EMC
Measurement and Test Report

For

XP Power

Unit 19, Fyfield Business Centre, Fyfield, Ongar, UK.

Test Standards:	EN 55032:2015/AC:2016-07 EN 61000-3-2:2014 EN 61000-3-3:2013 EN 55024:2010/A1:2015 EN 60601-1-2:2015
Product Description:	AC/DC Power supply
Tested Model:	FCS40US12/24/48
Report No.:	STR18098083E
Tested Date:	2018-08-24 to 2018-08-28
Issued Date:	2018-09-10
Tested By:	Gan Li / Engineer
Reviewed By:	Silin Chen / EMC Manager
Approved & Authorized By:	Jandy So / PSQ Manager

Prepared By:

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1.GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: XP Power

Address of applicant: Unit 19, Fyfield Business Centre, Fyfield, Ongar, UK.

Manufacturer: XP Power

Address of manufacturer: Unit 19, Fyfield Business Centre, Fyfield, Ongar, UK.

General Description of EUT	
Product Name:	AC/DC Power supply
Trade Name:	XP Power
Model No.:	FCS40US12/24/48
Adding Model(s):	/
Note: The test data is gathered from a production sample, provided by the manufacturer.	

Technical Characteristics of EUT	
Rated Voltage:	FCS40US12: DC12V
	FCS40US24: DC24V
	FCS40US48: DC48V
Rated Current:	FCS40US12: 3.33A
	FCS40US24: 1.67A
	FCS40US48: 0.83A
Rated Power:	40W
Power Adaptor Model:	/

1.2 Test Standards

The following report is prepared on behalf of the XP Power in accordance with EN 60601-1-2, Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests.

The following report is prepared on behalf of the XP Power LLC in accordance with EN55032, Electromagnetic compatibility of multimedia equipment - Emission requirements, and EN61000-3-2, Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current up to and including 16 A per phase), and EN61000-3-3, Electromagnetic compatibility (EMC) -- Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection, and EN55024, Immunity characteristics Limits and methods of measurement

The objective of the manufacturer is to demonstrate compliance with the standards EN60601-1-2 for Medical electrical equipment, EN55032, EN61000-3-2, EN61000-3-3, and EN55024 for multimedia equipment

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with the standards EN 60601-1-2 for Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility – Requirements and tests, EN55032, EN61000-3-2, EN61000-3-3, and EN55024 for Information Technology Equipment, and all related testing and measurement techniques intentional standards.

1.4 Test Facility

FCC – Registration No.: 125990

Shenzhen SEM.Test Technology Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files and the Registration is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Shenzhen SEM.Test Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

CNAS Registration No.: L4062

Shenzhen SEM.Test Technology Co., Ltd. is a testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L4062. All measurement facilities used to collect the measurement data are located at 1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road, Bao'an District, Shenzhen, P.R.C (518101).

1.5 EUT Setup and Operation Mode

The equipment under test (EUT) was configured to measure its highest possible emission/immunity level. The test modes were adapted according to the operation manual for use, more detailed description as follows:

(FCS40US12) Test Mode List:

Test Mode	Description	Remark
TM1	Working Input: 230VAC	Connected to the load
TM2	Working Input: 115VAC	Connected to the load

(FCS40US24) Test Mode List:

Test Mode	Description	Remark
TM1	Working Input: 230VAC	Connected to the load
TM2	Working Input: 115VAC	Connected to the load

(FCS40US48) Test Mode List:

Test Mode	Description	Remark
TM1	Working Input: 230VAC	Connected to the load
TM2	Working Input: 115VAC	Connected to the load

EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
/	/	/	/

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
/	/	/	/

Special Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
AC Cable	1.0	Unshielded	Without Core

1.6 Performance Criteria for EMS

All the test data has been collected, reduced, and analyzed within this report in accordance with Immunity requires the following as specific performance criteria:

A. The apparatus shall continue to operate as intended during and after the test. The manufacturer specifies some minimum performance level. The performance level may be specified by the manufacturer as a permissible loss of performance.

B. The apparatus shall continue to operate as intended after the test. This indicates that the EUT does not need to function at normal performance levels during the test, but must recover. Again some minimal performance is defined by the manufacture. No change in operating state or loss or data is permitted.

C. Temporary loss of function is allowed. Operation of the EUT may stop as long as it is either automatically reset or can be manually restored by operation of the controls.

1.7 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal. Date	Due. Date
Spectrum Analyzer	Rohde & Schwarz	FSP	836079/035	2018-05-22	2019-05-21
EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2018-05-22	2019-05-21
Amplifier	Agilent	8447F	3113A06717	2018-05-22	2019-05-21
Amplifier	C&D	PAP-1G18	2002	2018-05-22	2019-05-21
Trilog Broadband Antenna	Schwarz beck	VULB9163	9163-333	2017-06-08	2020-06-07
Trilog Broadband Antenna	Schwarz beck	VULB9163(B)	9163-333	2017-06-08	2020-06-07
Horn Antenna	ETS	3117	00086197	2017-06-08	2020-06-07
Loop Antenna	Schwarz beck	FMZB 1516	9773	2017-06-08	2020-06-07
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2018-05-22	2019-05-21
EMI Test Receiver	Rohde & Schwarz	ESPI	101391	2018-05-22	2019-05-21
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2018-05-22	2019-05-21
AC LISN	Schwarz beck	NSLK8126	8126-224	2018-05-22	2019-05-21
8-WIRE LISN	Schwarz beck	8158	CAT3-8158-0059	2018-05-22	2019-05-21
8-WIRE LISN	Schwarz beck	8158	CAT5-8158-0117	2018-05-22	2019-05-21
PMF Generator	LIONCEL	PMF-801C-C	0171101	2018-05-22	2019-05-21
PMF Antenna	LIONCEL	PMF-801C-A	0180302	2018-05-22	2019-05-21
Instantaneous PMF Generator Module	LIONCEL	PMF-801C-T	0171001	2018-05-22	2019-05-21
Digital Power Analyzer	California Instrument	CTS	72831	2018-05-22	2019-05-21

Power Source	California Instrument	5001IX-CTS-400	25965	2018-05-22	2019-05-21
ESD Generator	LIONCEL	ESD-203B	0170901	2018-05-28	2019-05-27
Amplifier	Agilent	8447D	2944A10179	2018-05-22	2019-05-21
Transient 2000	EMC PARTNER	TRA2000	863	2018-05-22	2019-05-21
Couple Clamp	EMC PARTNER	CN-EFT1000	513	2018-05-26	2019-05-25
CS Immunity Tester	SCHAFFNER	NSG2070	1123	2018-05-22	2019-05-21
Attenuator	EMTEST	MA-500	1009	2018-05-22	2019-05-21
CDN	Luthi	L-801M2/M3	2665	2018-05-22	2019-05-21
Immunity simulator	EMTEST	UCS 500N7	P1313116005	2018-07-15	2019-07-14
Motorized Variac	EMTEST	MV2616	P1401128623	2018-07-15	2019-07-14
Current Transformer	EMTEST	MC 2630	P1408131875	2018-07-15	2019-07-14
Magnetic Field Coil	EMTEST	MS 100N	P1325119613	2018-07-15	2019-07-14
Signal Generator	Rohde & Schwarz	SMB100A	177600	2018-07-07	2019-07-06
Power Amplifier	Rohde & Schwarz	BBA100	101238	2018-07-07	2019-07-06
Power Amplifier	Rohde & Schwarz	BBA150	101671	2018-07-07	2019-07-06
Power Amplifier	Rohde & Schwarz	BBA150-E100	102640	2018-07-07	2019-07-06
Log-Periodic Antenna	Rohde & Schwarz	HL046E	100160	2018-06-22	2019-06-21
Microwave Log-Periodic Antenna	Rohde & Schwarz	STLP 9149	9149-453	2018-06-22	2019-06-21
Power Meter	Rohde & Schwarz	NRP2	103497	2018-06-22	2019-06-21
Average Power Sensor	Rohde & Schwarz	NRP-Z91	102538	2018-06-22	2019-06-21
Average Power Sensor	Rohde & Schwarz	NRP-Z91	102539	2018-06-22	2019-06-21
Starprobe Laser-Powered Probe	AMPLIFIER RESEARCH	FL7006/KIT	0433720	2018-07-14	2019-07-13

2. SUMMARY OF TEST RESULTS

Standards	Description of Test Item	Test Level/Limit	Result
EN 55032 EN 55024 EN 61000-3-2: EN 61000-3-3 EN 60601-1-2	Conducted Disturbance	Class B	Compliant
	Radiated Disturbance	Class A / Class B	Compliant
	Harmonic Current Emission	Class A	Compliant
	Voltage Fluctuation and Flicker	Dmax = 4%	Compliant
	Electrostatic Discharge Immunity in accordance with IEC 61000-4-2	± 4 kV, ± 8 kV Contact ± 2 kV, ± 4 kV, ± 8kV, ± 15 kV Air	Compliant
	Continuous Radiated Disturbances Immunity in accordance with IEC 61000-4-3	80 MHz-2.7 GHz 10 V/m	Compliant
	Proximity Field Radiated Disturbances Immunity in accordance with IEC 61000-4-3	380-390MHz 27 V/m 430-470MHz 28 V/m 800-960MHz 28 V/m 704-787MHz 9 V/m 1700-1990MHz 28 V/m 2400-2570MHz 28 V/m 5100-5800MHz 9 V/m	Compliant
	Electrical Fast Transient/Burst Immunity in accordance with IEC 61000-4-4	+/- 2 KV L1 ; L2 ; PE	Compliant
	Surges Immunity in accordance with IEC 61000-4-5	+/- 2 KV L1 ; L2 ; PE	Compliant
	Continuous Conducted Disturbances Immunity in accordance with IEC 61000-4-6	10V 0.15-80 MHz	Compliant
	Power-frequency Magnetic Fields Immunity in accordance with IEC 61000-4-8	30 A/m	Compliant
	Voltage Dips/Interruptions Immunity in accordance with IEC 61000-4-11	/	Compliant

3. Conducted Disturbance

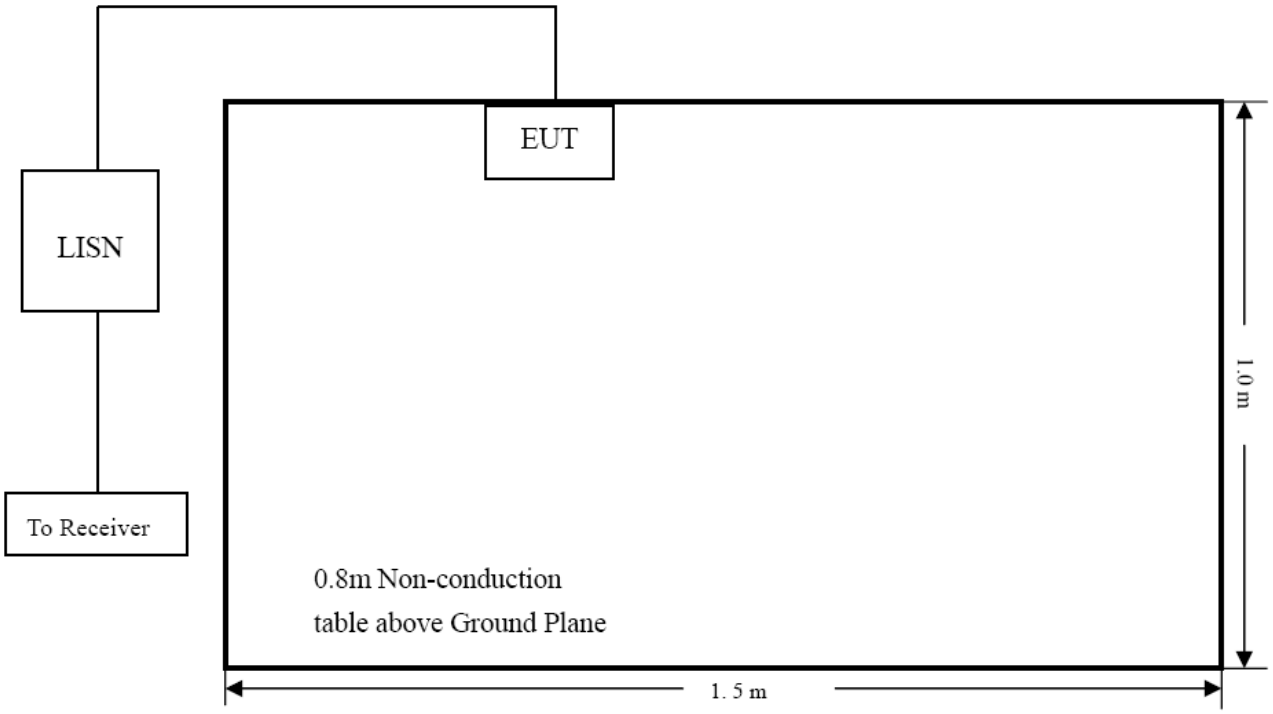
3.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement is ± 2.88 dB.

3.2 Test Procedure

Test is conducting under the description of EN55032 Annex A.3.5.

3.3 Basic Test Setup Block Diagram



3.4 Environmental Conditions

Temperature:	22 ° C
Relative Humidity:	55 %
ATM Pressure:	1015 mbar

3.5 Summary of Test Results/Plots

According to the data in section 3.6, the EUT complied with the EN 60601-1-2 / EN55032 Conducted margin for a Class B device, with the *worst* margin reading of:

-7.21 dB at 20.6980 MHz in the Neutral mode, Peak detector, FCS40US12 model,
Input 115VAC, Class II Output floating 100% convection cooled rating 0.15-30MHz

-5.31 dB at 8.5420 MHz in the Line mode, Peak detector, FCS40US24 model,
Input 230VAC, Class I Output grounded, 100% convection cooled rating 0.15-30MHz

-4.03 dB at 19.3420 MHz in the Line mode, Peak detector, FCS40US48 model,
Input 230VAC, Class I, Output floating, 50% convection cooled rating 0.15-30MHz

3.6 Conducted Emissions Test Data

Plot of Conducted Emissions Test Data

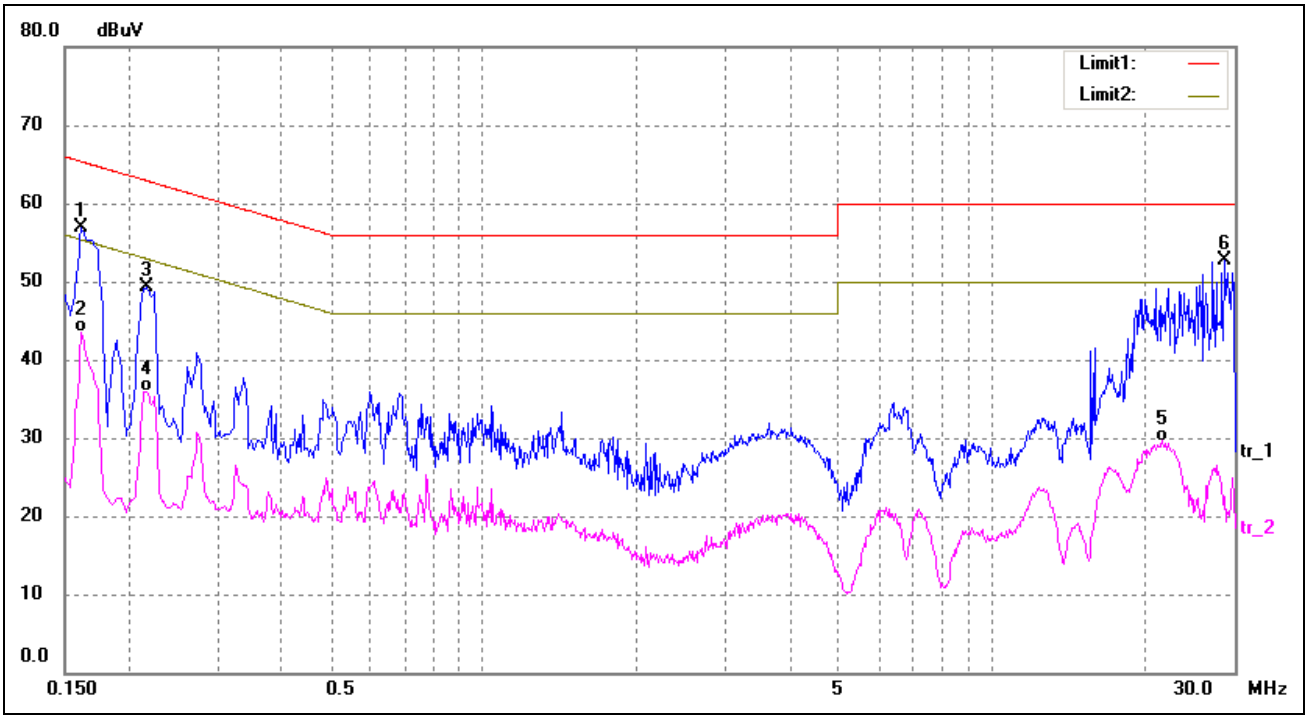
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 230VAC*

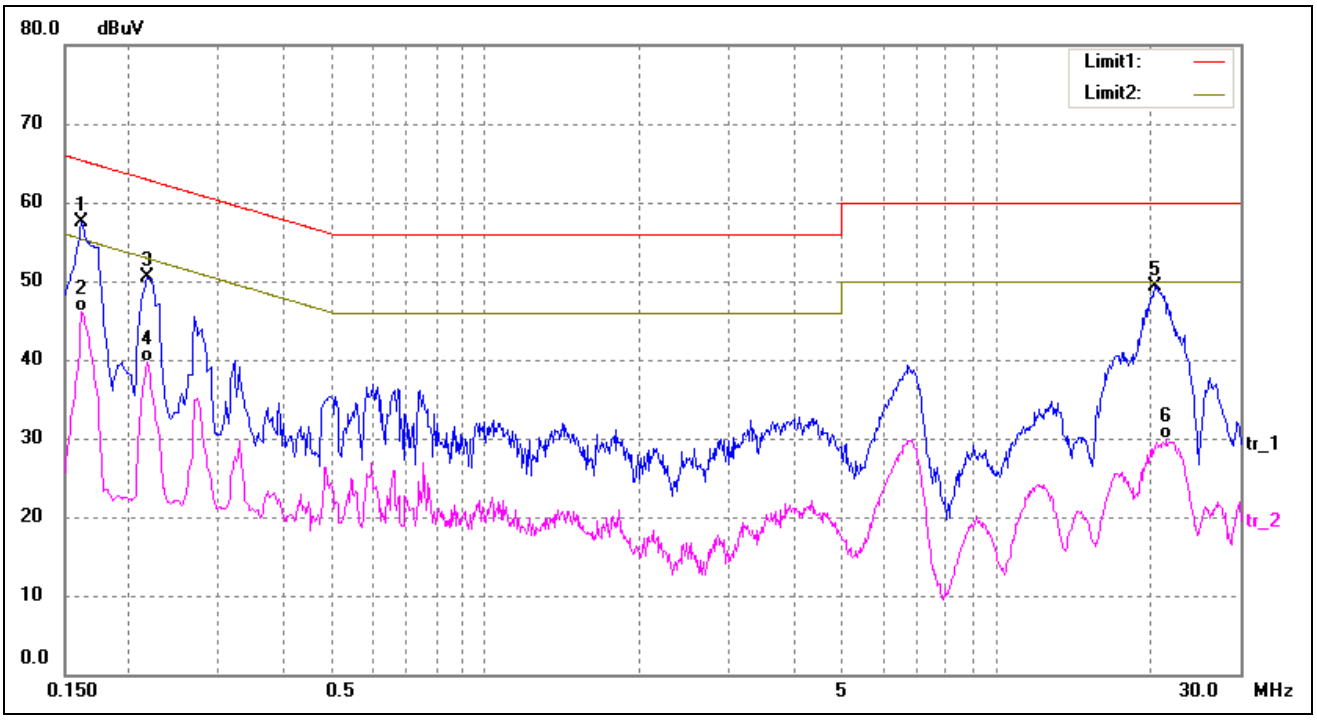
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	47.02	9.84	56.86	65.36	-8.50	peak
2	0.1620	33.71	9.84	43.55	55.36	-11.81	AVG
3	0.2180	39.45	9.80	49.25	62.89	-13.64	peak
4	0.2180	26.05	9.80	35.85	52.89	-17.04	AVG
5	21.6260	19.92	9.68	29.60	50.00	-20.40	AVG
6*	28.6100	42.97	9.69	52.66	60.00	-7.34	peak

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1620	47.61	9.84	57.45	65.36	-7.91	peak
2	0.1620	36.28	9.84	46.12	55.36	-9.24	AVG
3	0.2180	40.62	9.80	50.42	62.89	-12.47	peak
4	0.2180	29.86	9.80	39.66	52.89	-13.23	AVG
5	20.4580	39.66	9.68	49.34	60.00	-10.66	peak
6	21.5180	20.27	9.68	29.95	50.00	-20.05	AVG

Plot of Conducted Emissions Test Data

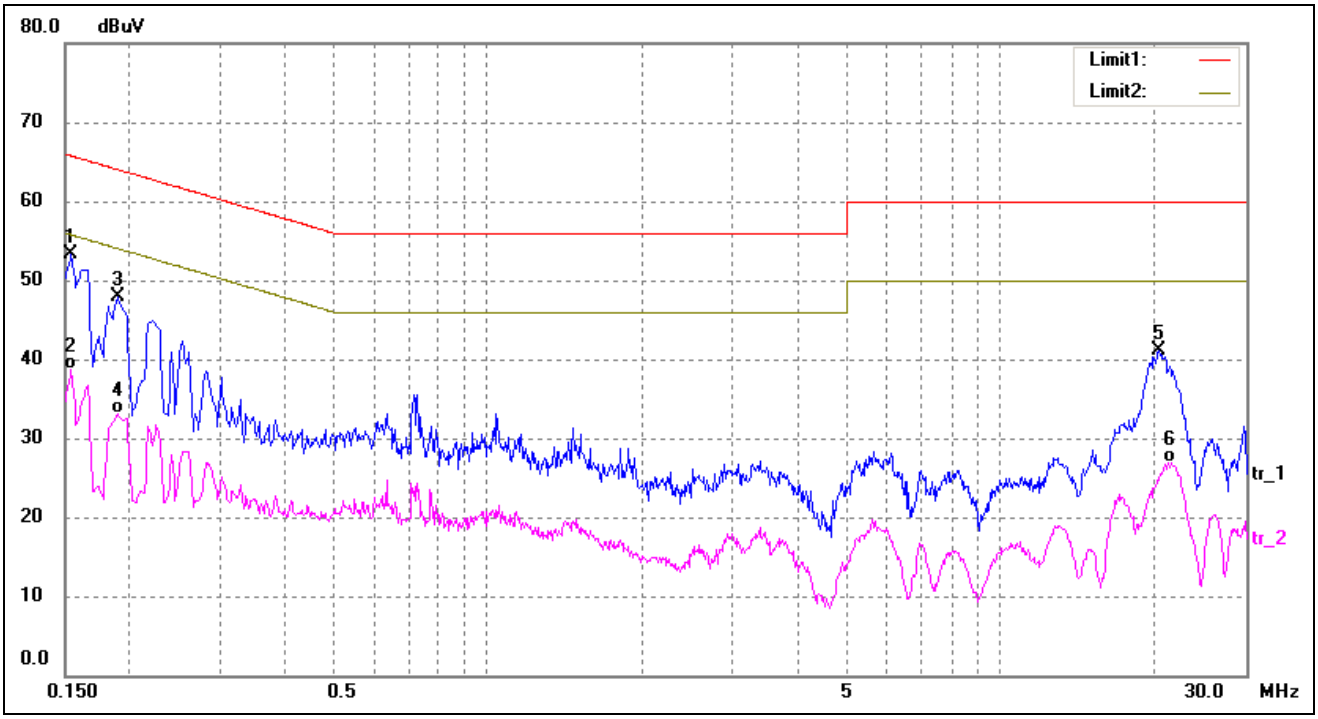
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 230VAC*

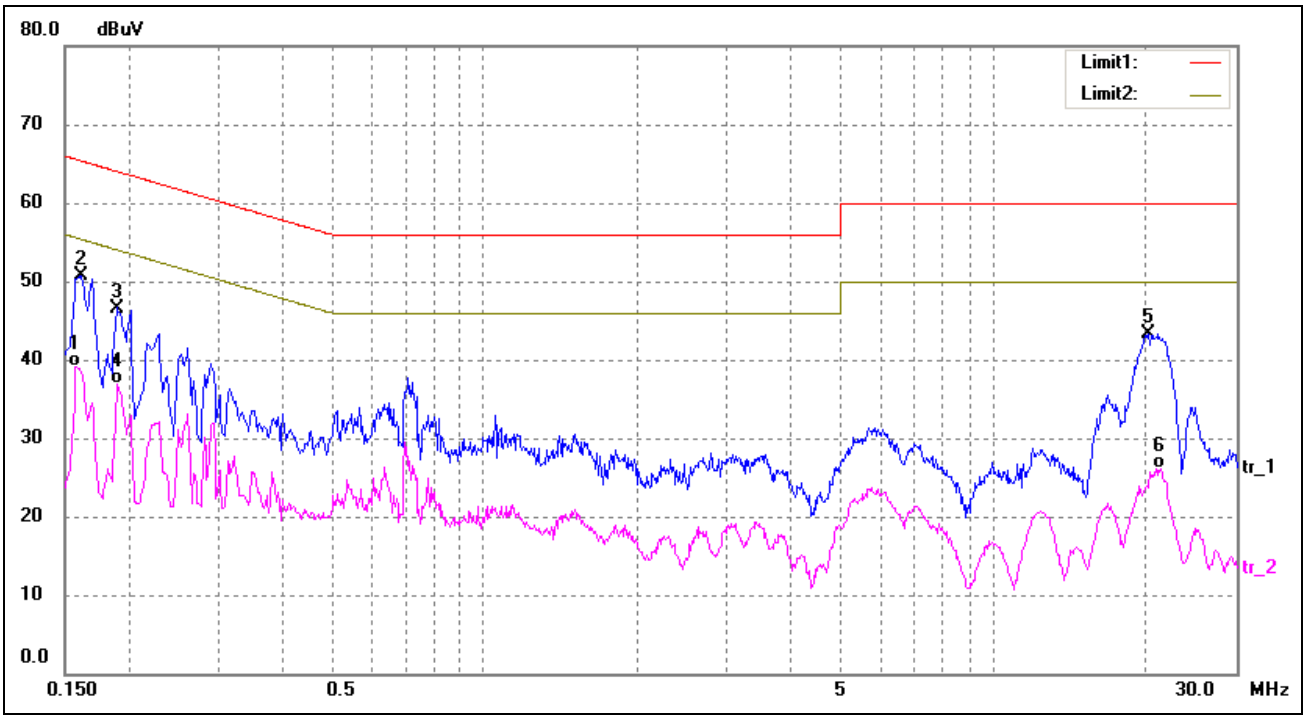
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1539	43.42	9.85	53.27	65.78	-12.51	peak
2	0.1539	28.85	9.85	38.70	55.78	-17.08	AVG
3	0.1900	38.18	9.81	47.99	64.03	-16.04	peak
4	0.1900	23.27	9.81	33.08	54.03	-20.95	AVG
5	20.3180	31.45	9.68	41.13	60.00	-18.87	peak
6	21.4260	17.14	9.68	26.82	50.00	-23.18	AVG

Test Specification: *Line*

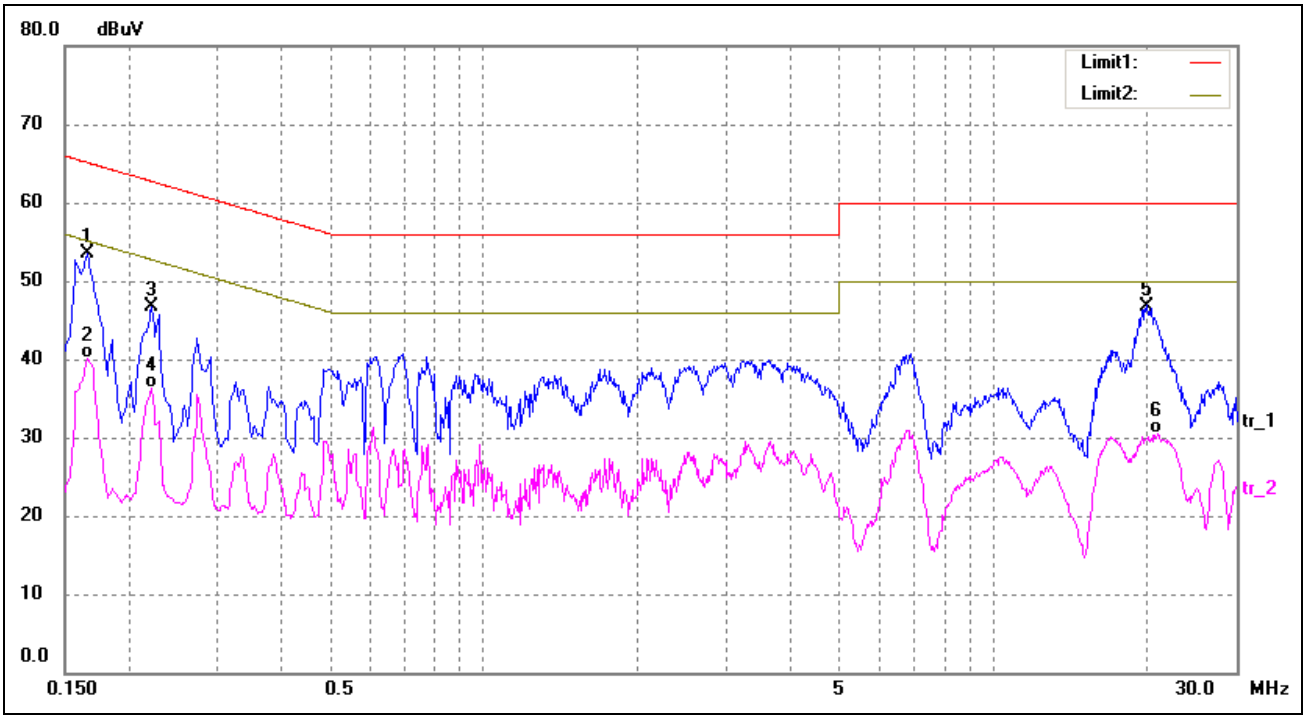


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1580	29.19	9.84	39.03	55.57	-16.54	AVG
2*	0.1620	40.92	9.84	50.76	65.36	-14.60	peak
3	0.1900	36.79	9.81	46.60	64.04	-17.44	peak
4	0.1900	27.17	9.81	36.98	54.04	-17.06	AVG
5	20.2500	33.61	9.68	43.29	60.00	-16.71	peak
6	21.2980	16.40	9.68	26.08	50.00	-23.92	AVG

Plot of Conducted Emissions Test Data

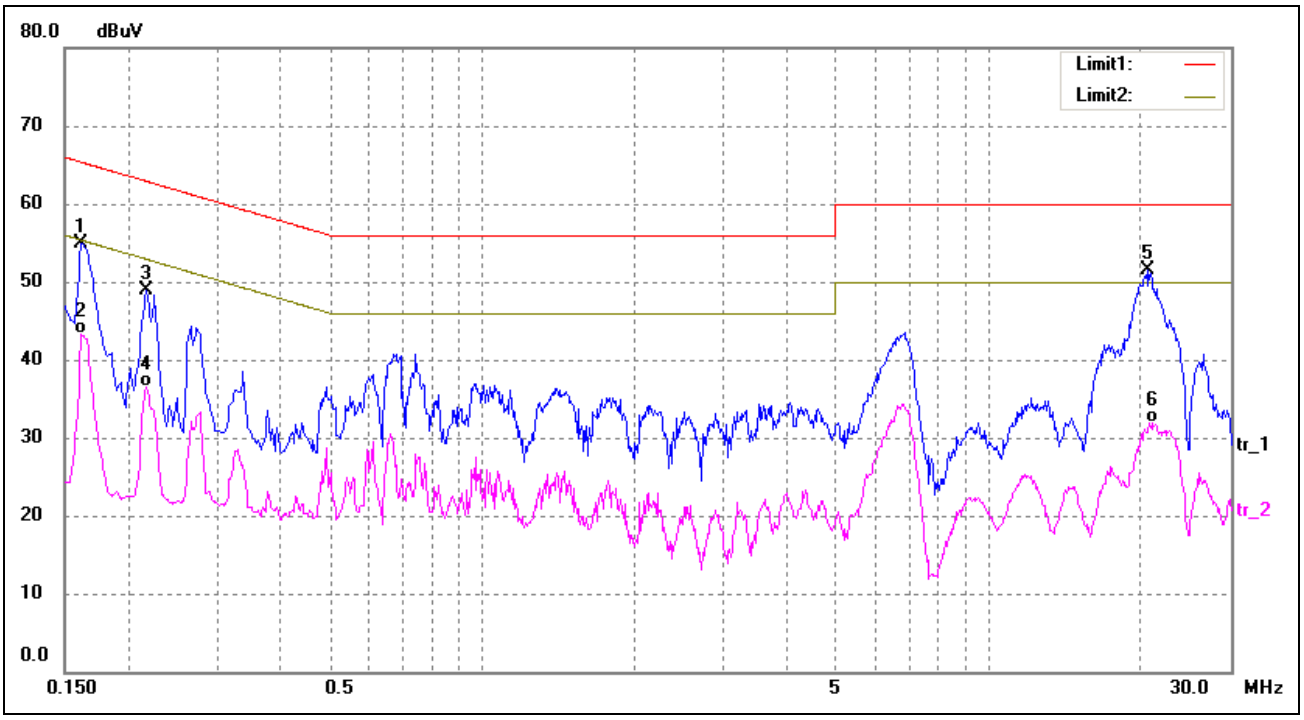
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1660	43.63	9.83	53.46	65.16	-11.70	peak
2	0.1660	30.30	9.83	40.13	55.16	-15.03	AVG
3	0.2220	36.94	9.80	46.74	62.74	-16.00	peak
4	0.2220	26.44	9.80	36.24	52.74	-16.50	AVG
5	20.0180	37.12	9.68	46.80	60.00	-13.20	peak
6	20.9980	20.82	9.68	30.50	50.00	-19.50	AVG

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1620	45.15	9.84	54.99	65.36	-10.37	peak
2	0.1620	33.40	9.84	43.24	55.36	-12.12	AVG
3	0.2180	39.18	9.80	48.98	62.89	-13.91	peak
4	0.2180	26.72	9.80	36.52	52.89	-16.37	AVG
5*	20.5300	41.74	9.68	51.42	60.00	-8.58	peak
6	21.0540	22.31	9.68	31.99	50.00	-18.01	AVG

Plot of Conducted Emissions Test Data

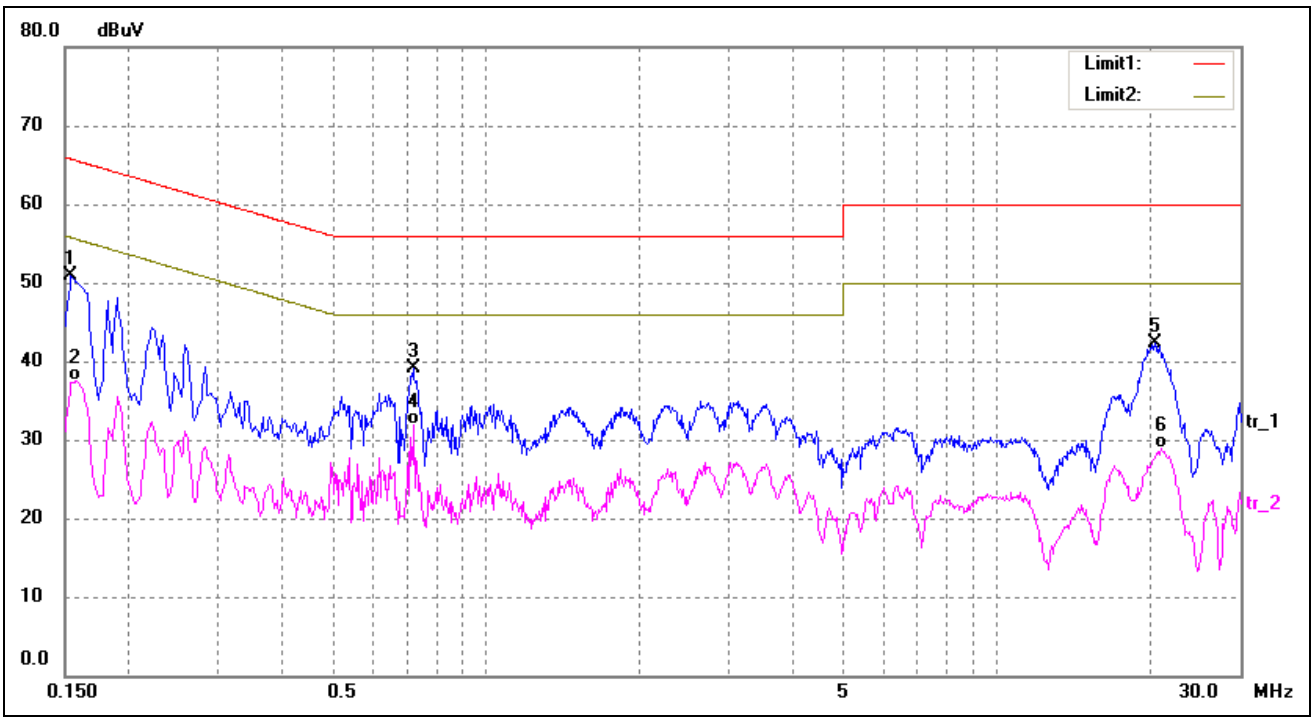
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 230VAC*

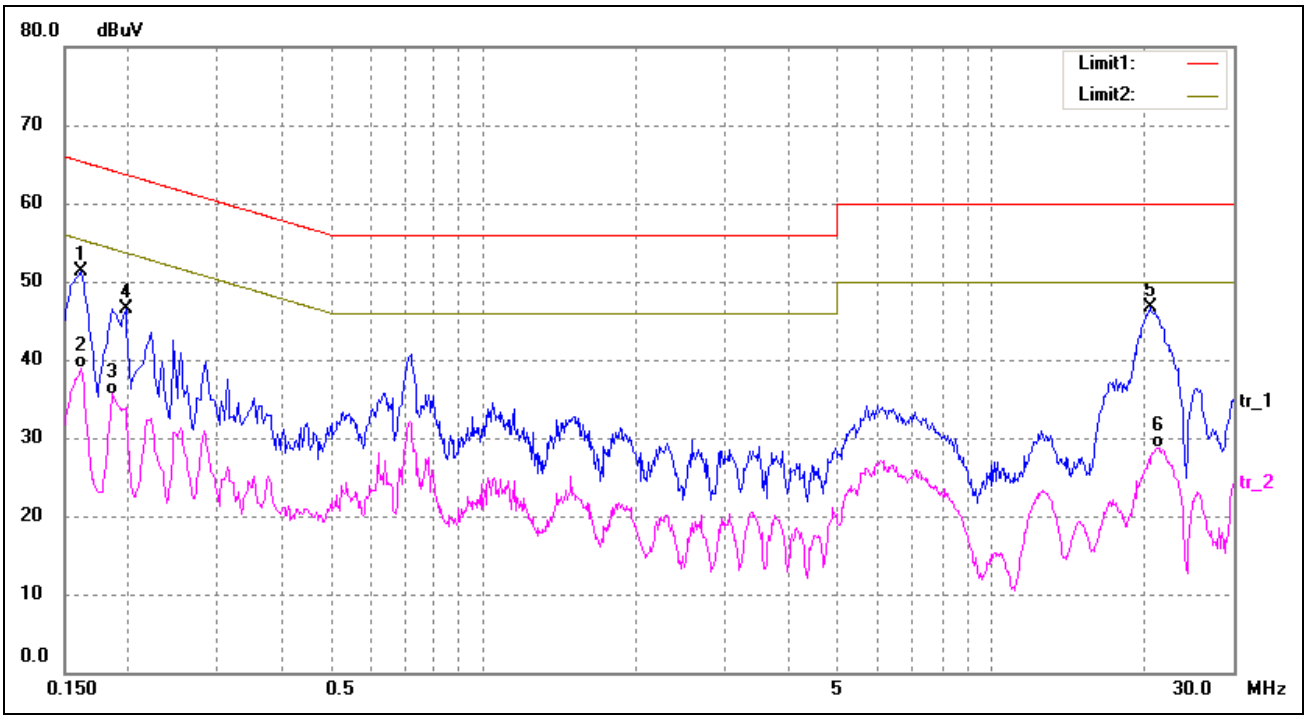
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1540	41.06	9.85	50.91	65.78	-14.87	peak
2	0.1580	27.61	9.84	37.45	55.57	-18.12	AVG
3	0.7220	29.33	9.78	39.11	56.00	-16.89	peak
4*	0.7260	22.15	9.78	31.93	46.00	-14.07	AVG
5	20.3780	32.68	9.68	42.36	60.00	-17.64	peak
6	21.0580	19.31	9.68	28.99	50.00	-21.01	AVG

Test Specification: *Line*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	41.50	9.84	51.34	65.36	-14.02	peak
2	0.1620	28.97	9.84	38.81	55.36	-16.55	AVG
3	0.1860	25.79	9.81	35.60	54.21	-18.61	AVG
4	0.1980	36.77	9.80	46.57	63.69	-17.12	peak
5*	20.4940	36.99	9.68	46.67	60.00	-13.33	peak
6	21.4740	19.07	9.68	28.75	50.00	-21.25	AVG

Plot of Conducted Emissions Test Data

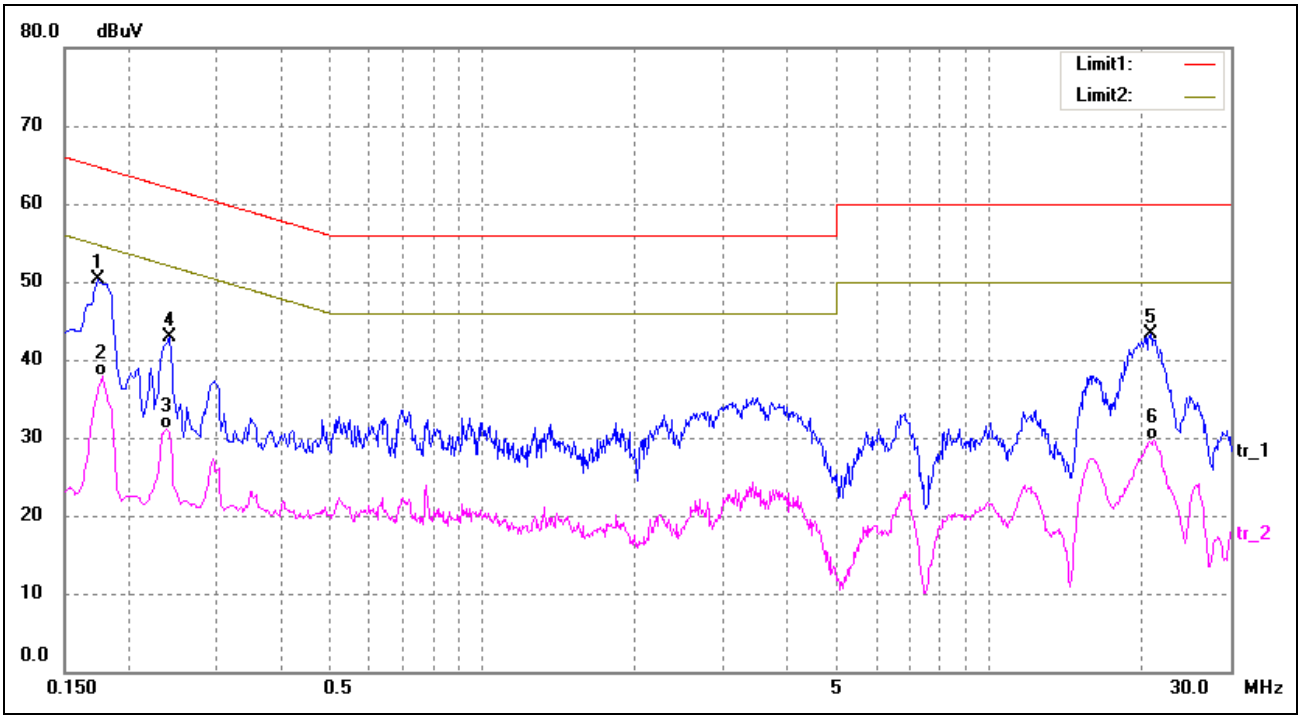
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 230VAC*

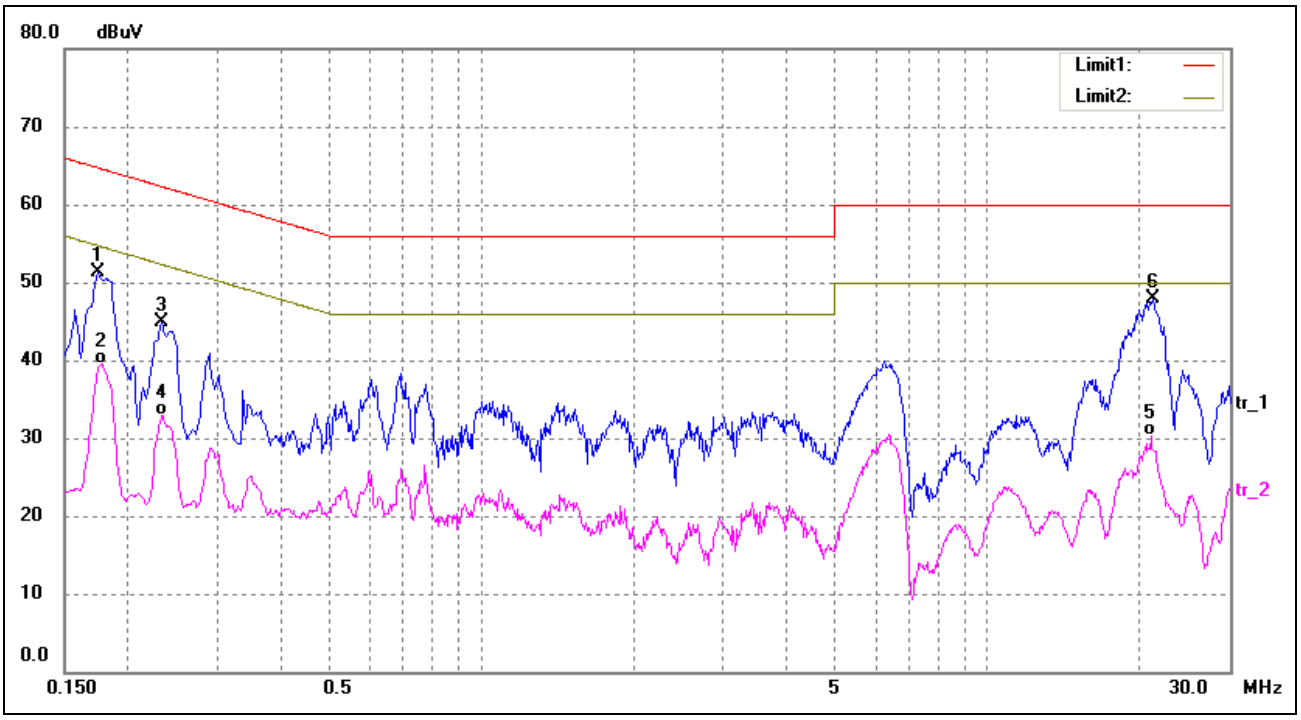
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1740	40.48	9.83	50.31	64.77	-14.46	peak
2	0.1780	28.16	9.82	37.98	54.58	-16.60	AVG
3	0.2380	21.34	9.80	31.14	52.17	-21.03	AVG
4	0.2420	33.15	9.80	42.95	62.03	-19.08	peak
5	20.8220	33.61	9.68	43.29	60.00	-16.71	peak
6	21.1900	20.08	9.68	29.76	50.00	-20.24	AVG

Test Specification: *Line*

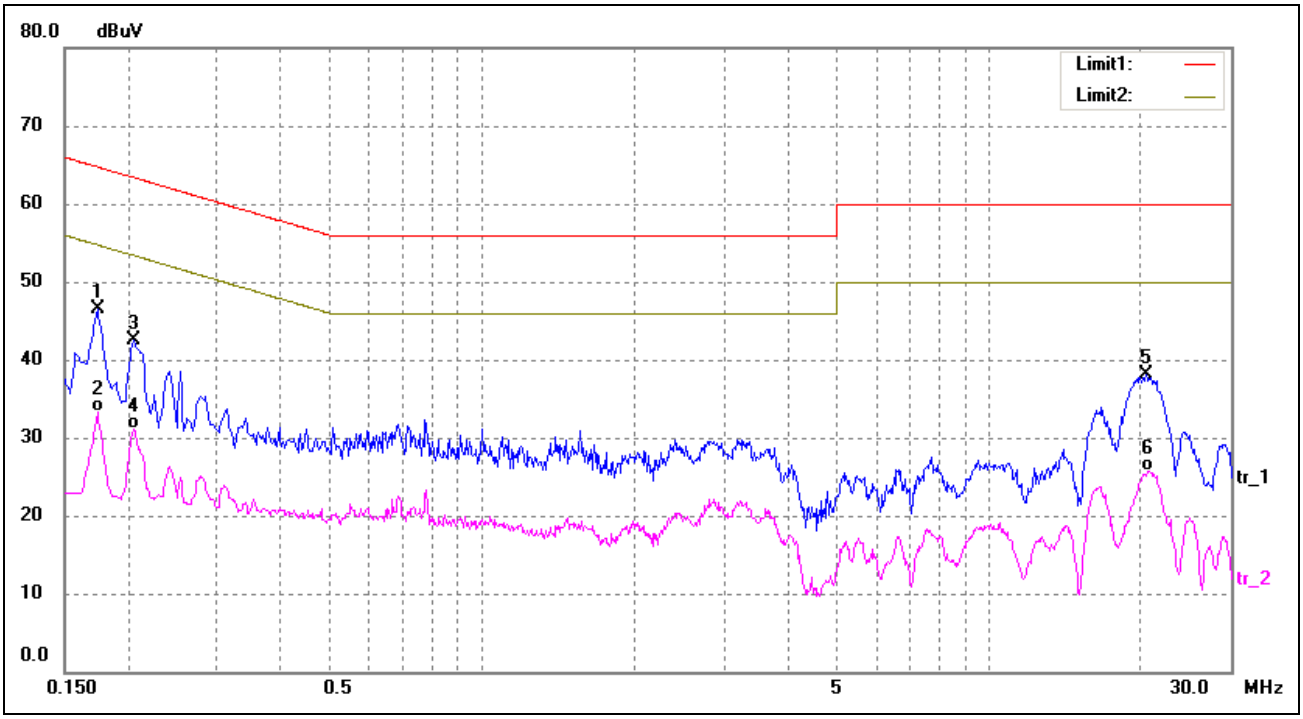


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1740	41.50	9.83	51.33	64.77	-13.44	peak
2	0.1780	29.76	9.82	39.58	54.58	-15.00	AVG
3	0.2340	35.04	9.80	44.84	62.31	-17.47	peak
4	0.2340	23.07	9.80	32.87	52.31	-19.44	AVG
5	20.9580	20.59	9.68	30.27	50.00	-19.73	AVG
6*	21.2340	38.24	9.68	47.92	60.00	-12.08	peak

Plot of Conducted Emissions Test Data

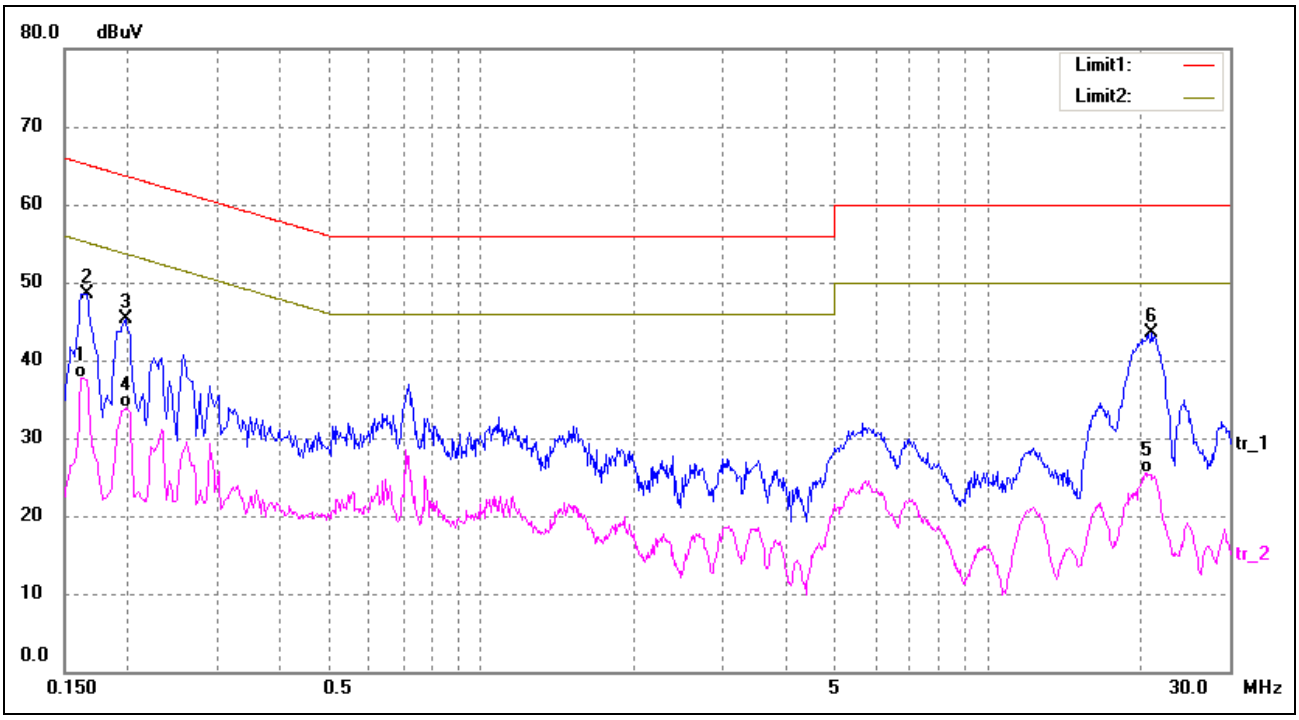
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1740	36.59	9.83	46.42	64.77	-18.35	peak
2	0.1740	23.49	9.83	33.32	54.77	-21.45	AVG
3	0.2060	32.62	9.80	42.42	63.37	-20.95	peak
4	0.2060	21.23	9.80	31.03	53.37	-22.34	AVG
5	20.4500	28.47	9.68	38.15	60.00	-21.85	peak
6	20.6620	16.05	9.68	25.73	50.00	-24.27	AVG

Test Specification: *Line*

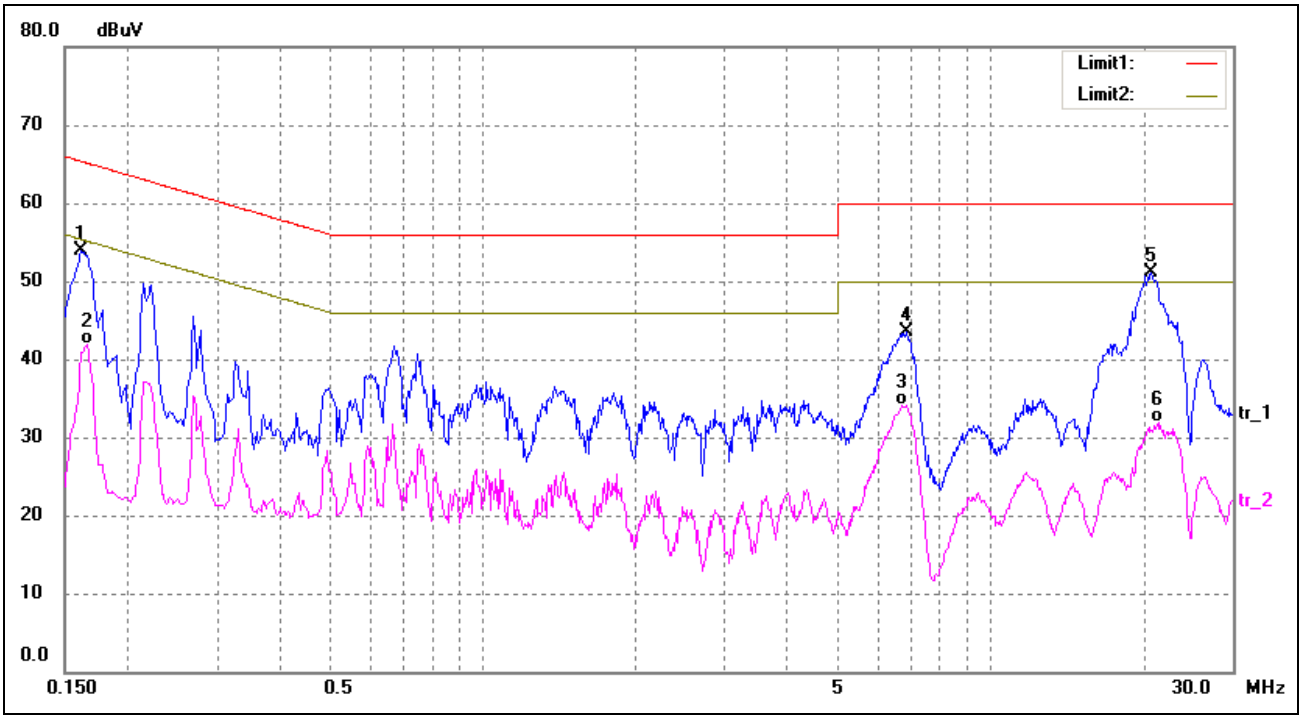


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1620	27.94	9.84	37.78	55.36	-17.58	AVG
2	0.1660	38.75	9.83	48.58	65.16	-16.58	peak
3	0.1980	35.45	9.80	45.25	63.69	-18.44	peak
4	0.1980	24.07	9.80	33.87	53.69	-19.82	AVG
5	20.6700	15.82	9.68	25.50	50.00	-24.50	AVG
6*	21.0740	33.79	9.68	43.47	60.00	-16.53	peak

Plot of Conducted Emissions Test Data

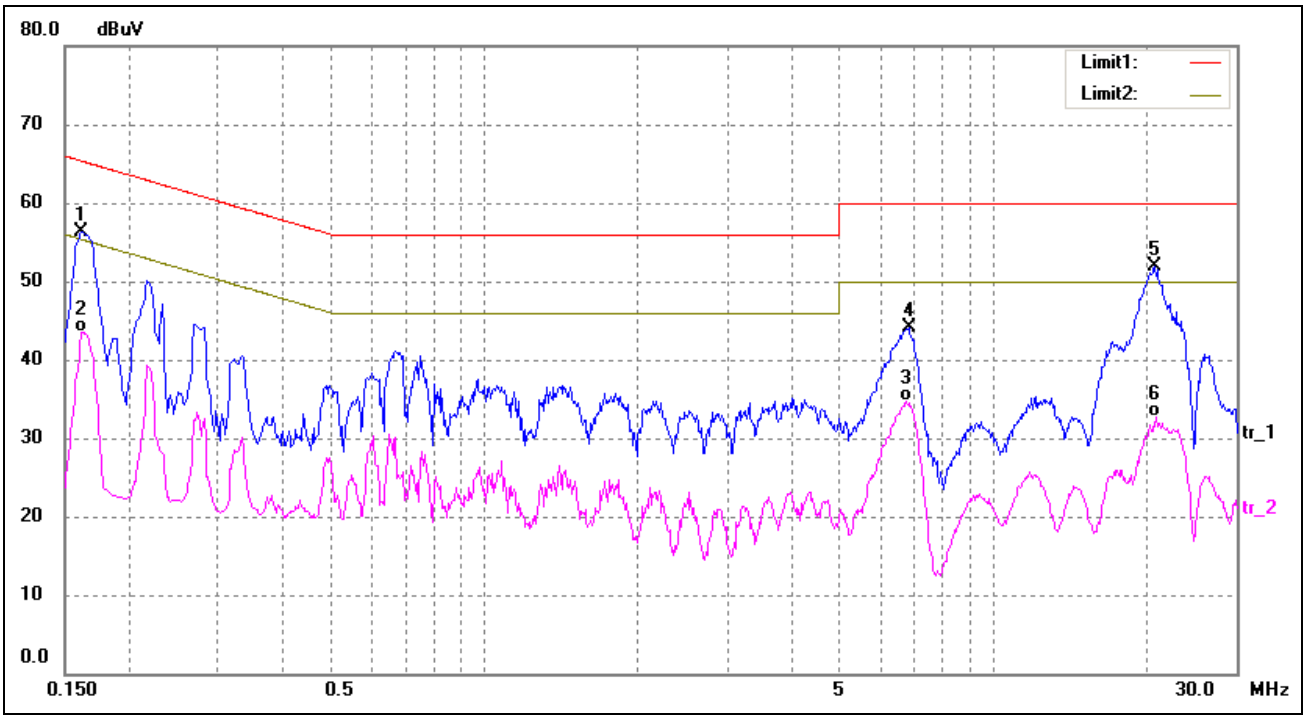
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1620	44.00	9.84	53.84	65.36	-11.52	peak
2	0.1660	32.04	9.83	41.87	55.15	-13.28	AVG
3	6.7100	24.56	9.61	34.17	50.00	-15.83	AVG
4	6.8500	33.88	9.61	43.49	60.00	-16.51	peak
5*	20.7620	41.34	9.68	51.02	60.00	-8.98	peak
6	21.3740	22.17	9.68	31.85	50.00	-18.15	AVG

Test Specification: *Line*

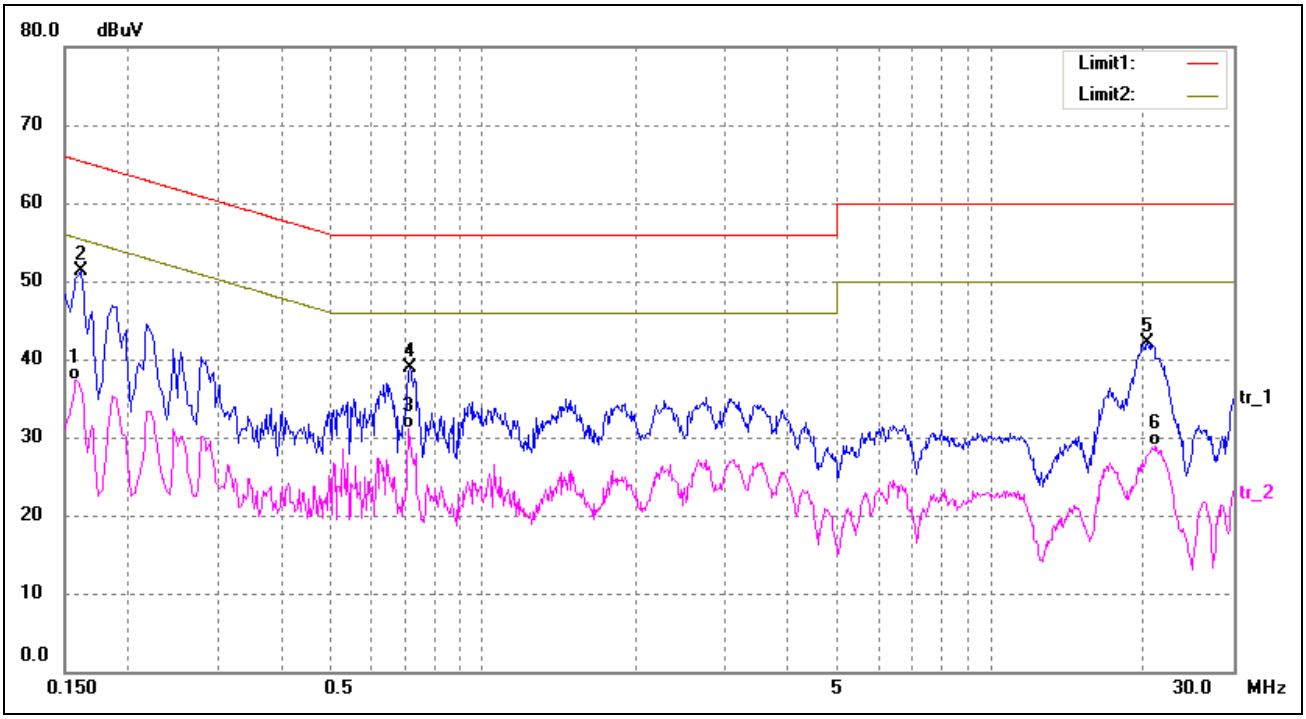


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1620	46.49	9.84	56.33	65.36	-9.03	peak
2	0.1620	33.69	9.84	43.53	55.36	-11.83	AVG
3	6.7660	25.14	9.61	34.75	50.00	-15.25	AVG
4	6.8060	34.40	9.61	44.01	60.00	-15.99	peak
5*	20.7700	42.21	9.68	51.89	60.00	-8.11	peak
6	20.8940	23.00	9.68	32.68	50.00	-17.32	AVG

Plot of Conducted Emissions Test Data

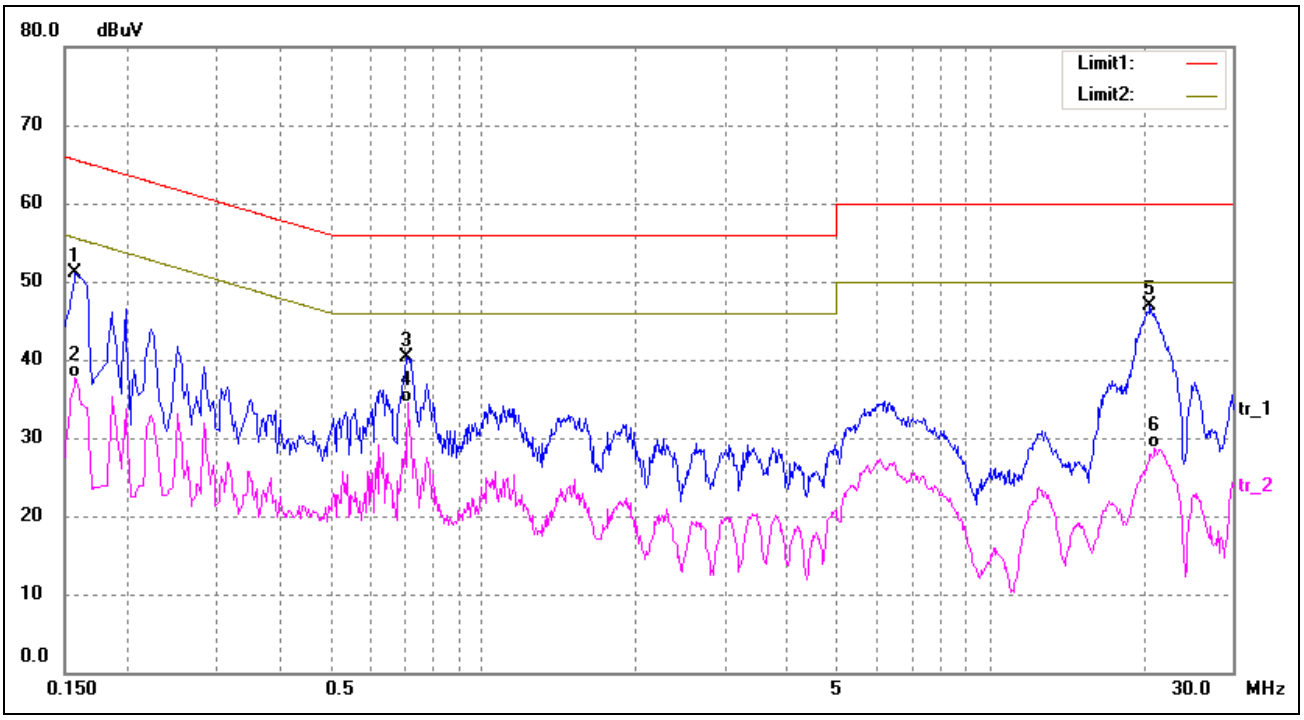
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1580	27.52	9.84	37.36	55.57	-18.21	AVG
2*	0.1620	41.40	9.84	51.24	65.36	-14.12	peak
3	0.7140	21.37	9.78	31.15	46.00	-14.85	AVG
4	0.7180	29.16	9.78	38.94	56.00	-17.06	peak
5	20.2980	32.45	9.68	42.13	60.00	-17.87	peak
6	21.1300	19.15	9.68	28.83	50.00	-21.17	AVG

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1580	41.27	9.84	51.11	65.57	-14.46	peak
2	0.1580	27.77	9.84	37.61	55.57	-17.96	AVG
3	0.7100	30.57	9.78	40.35	56.00	-15.65	peak
4*	0.7140	24.73	9.78	34.51	46.00	-11.49	AVG
5	20.6460	37.26	9.68	46.94	60.00	-13.06	peak
6	21.0420	19.01	9.68	28.69	50.00	-21.31	AVG

Plot of Conducted Emissions Test Data

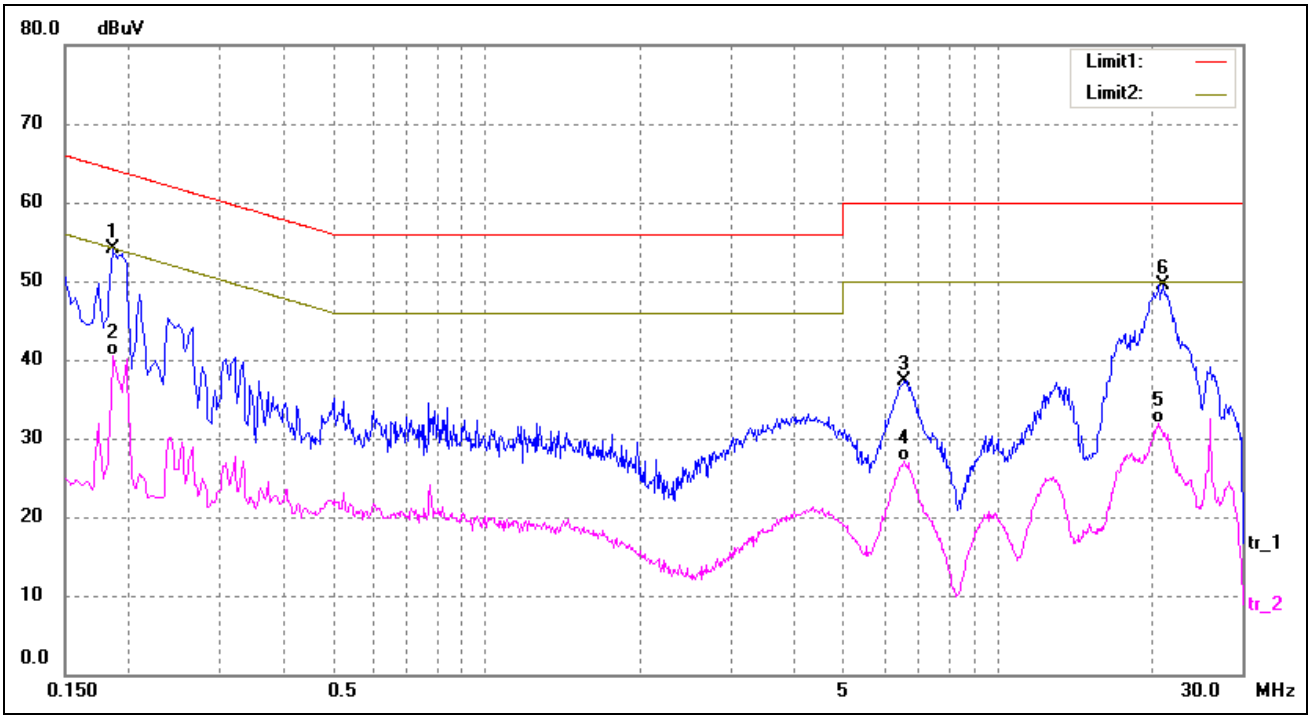
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 115VAC*

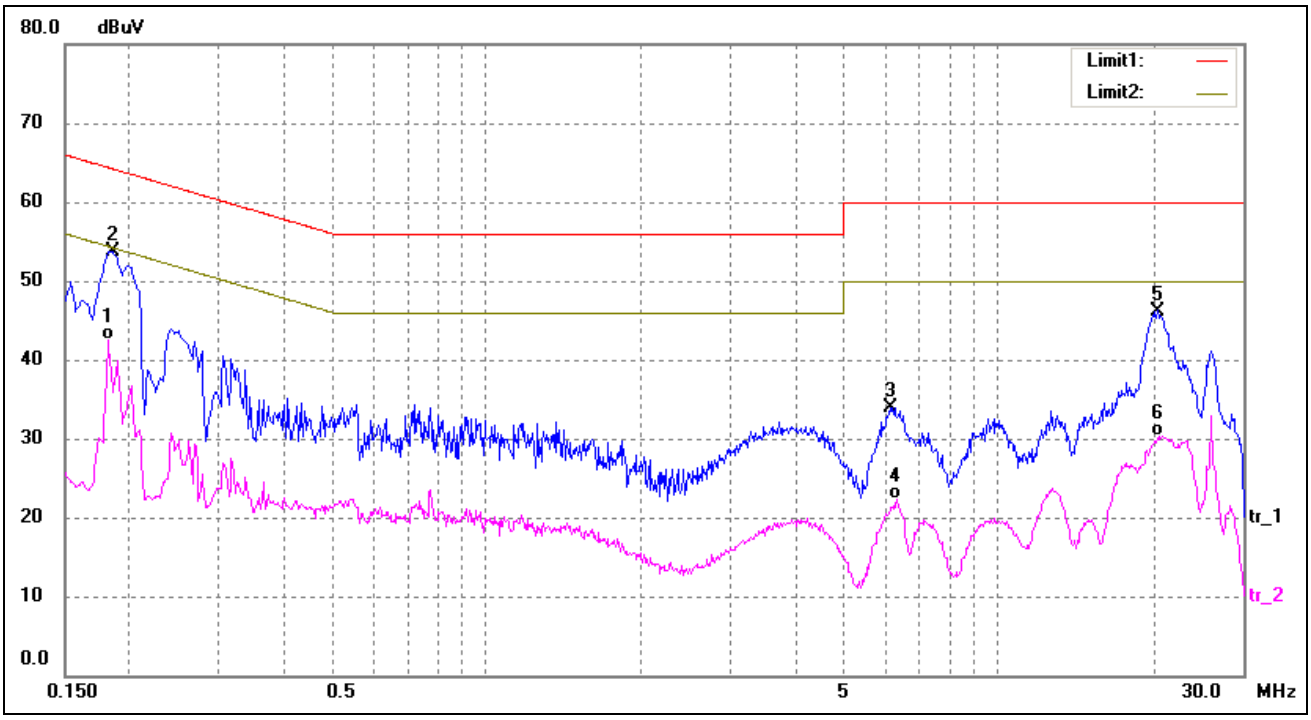
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1860	44.29	9.81	54.10	64.21	-10.11	peak
2	0.1860	30.70	9.81	40.51	54.21	-13.70	AVG
3	6.5660	27.77	9.62	37.39	60.00	-22.61	peak
4	6.5660	17.47	9.62	27.09	50.00	-22.91	AVG
5	20.6820	22.28	9.68	31.96	50.00	-18.04	AVG
6	21.0940	39.87	9.68	49.55	60.00	-10.45	peak

Test Specification: *Line*

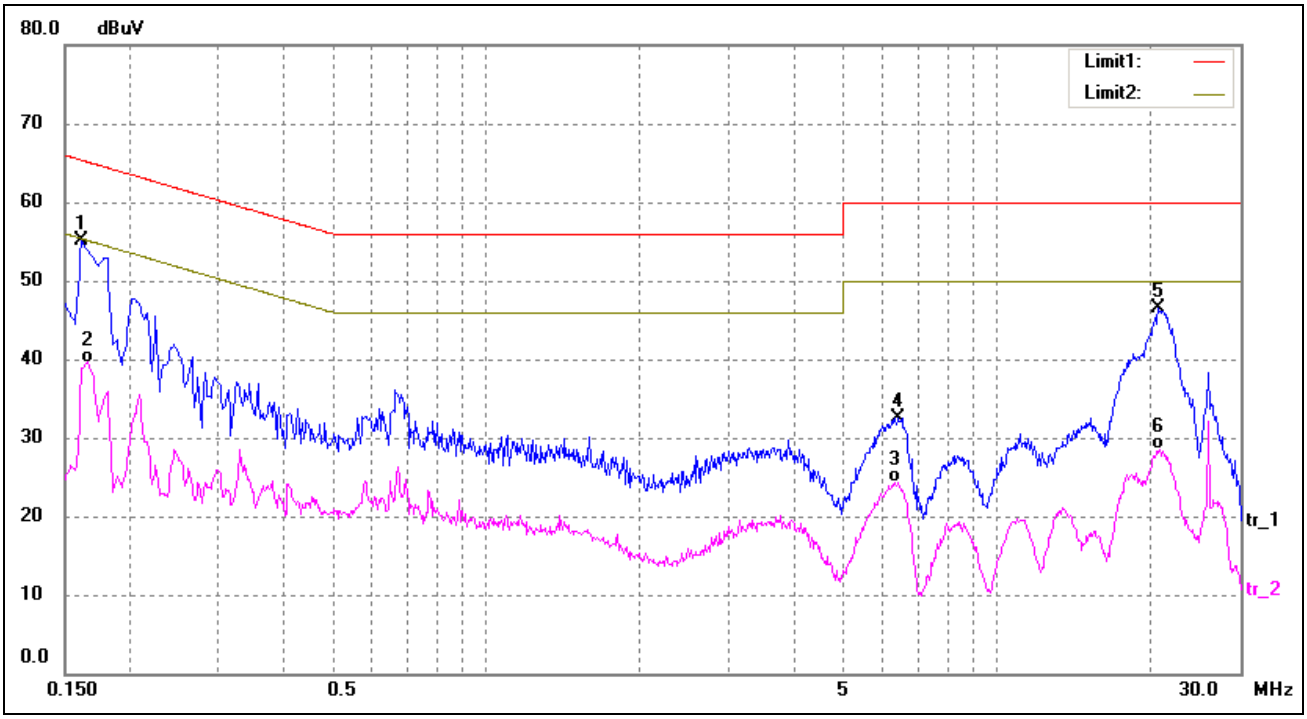


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1820	32.63	9.82	42.45	54.39	-11.94	AVG
2*	0.1860	43.84	9.81	53.65	64.21	-10.56	peak
3	6.1500	24.35	9.63	33.98	60.00	-26.02	peak
4	6.3300	12.70	9.62	22.32	50.00	-27.68	AVG
5	20.4260	36.52	9.68	46.20	60.00	-13.80	peak
6	20.5020	20.68	9.68	30.36	50.00	-19.64	AVG

Plot of Conducted Emissions Test Data

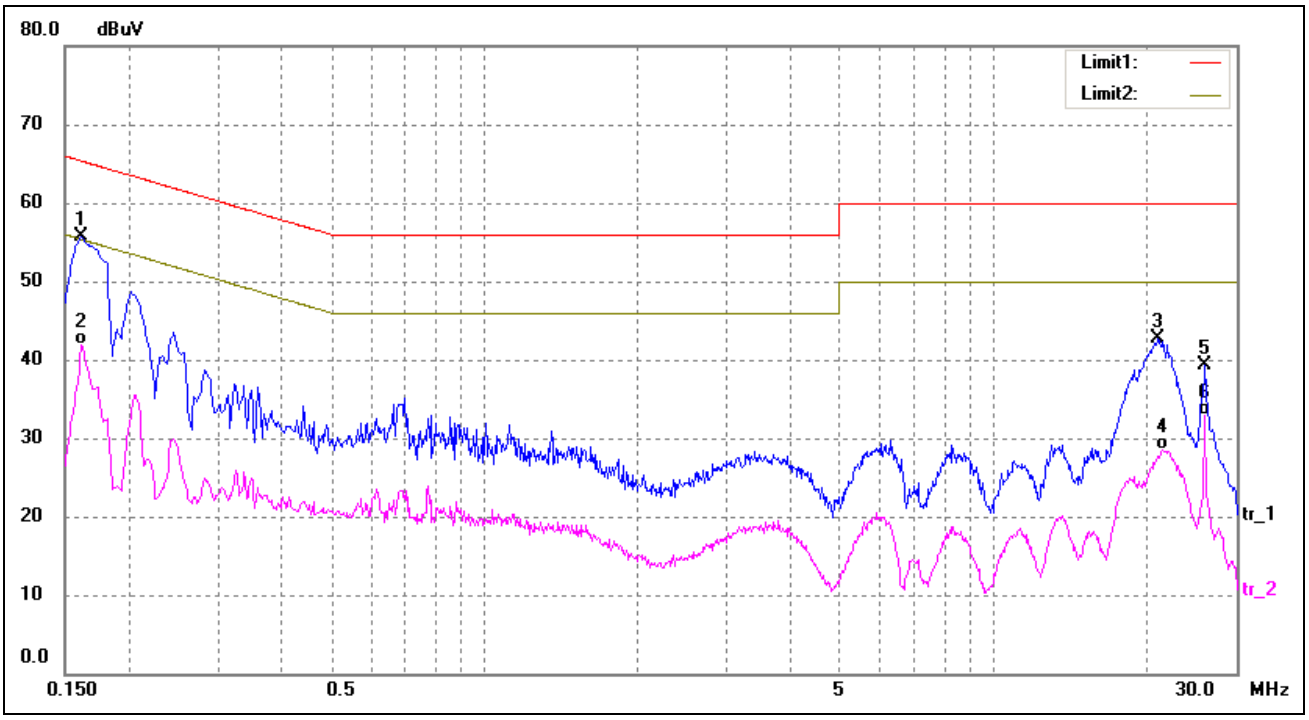
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1620	45.21	9.84	55.05	65.36	-10.31	peak
2	0.1660	29.77	9.83	39.60	55.16	-15.56	AVG
3	6.3340	14.74	9.62	24.36	50.00	-25.64	AVG
4	6.4220	22.97	9.62	32.59	60.00	-27.41	peak
5	20.7340	36.78	9.68	46.46	60.00	-13.54	peak
6	20.8580	18.86	9.68	28.54	50.00	-21.46	AVG

Test Specification: *Line*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1620	45.93	9.84	55.77	65.36	-9.59	peak
2	0.1620	32.10	9.84	41.94	55.36	-13.42	AVG
3	21.1260	33.05	9.68	42.73	60.00	-17.27	peak
4	21.5660	18.85	9.68	28.53	50.00	-21.47	AVG
5	26.0020	29.62	9.69	39.31	60.00	-20.69	peak
6	26.0020	23.18	9.69	32.87	50.00	-17.13	AVG

Plot of Conducted Emissions Test Data

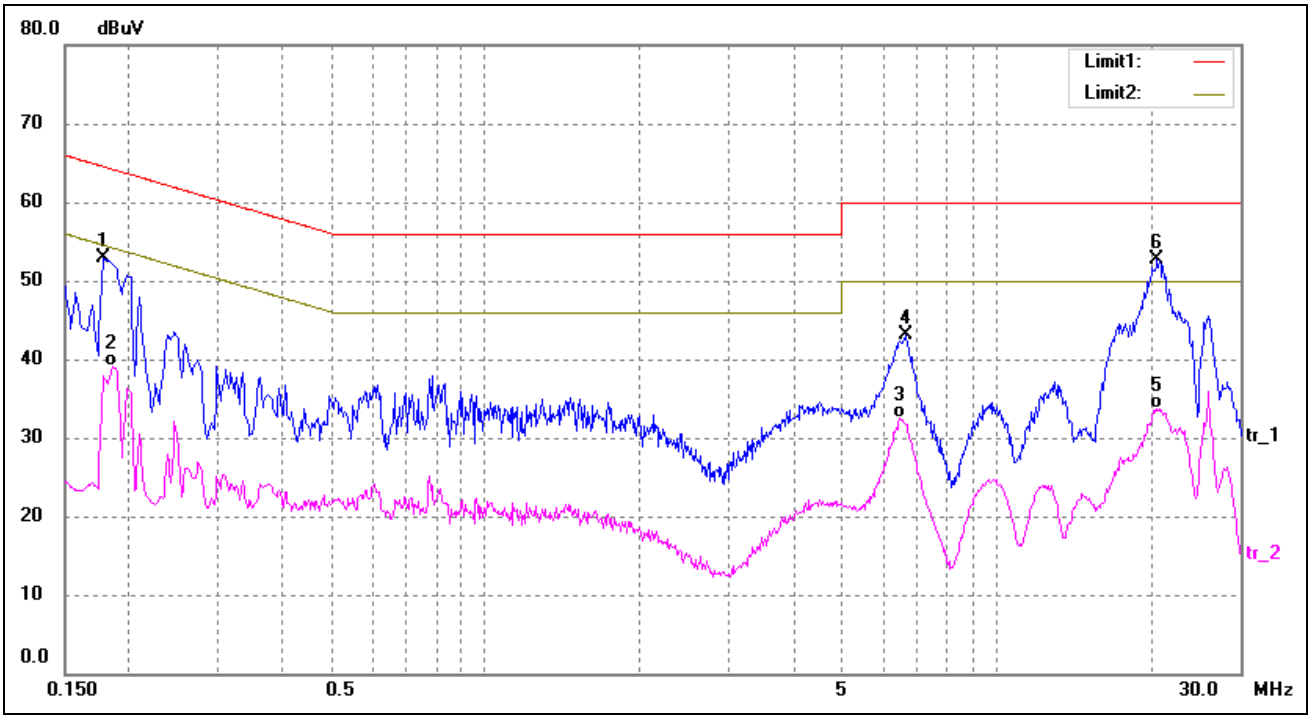
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 115VAC*

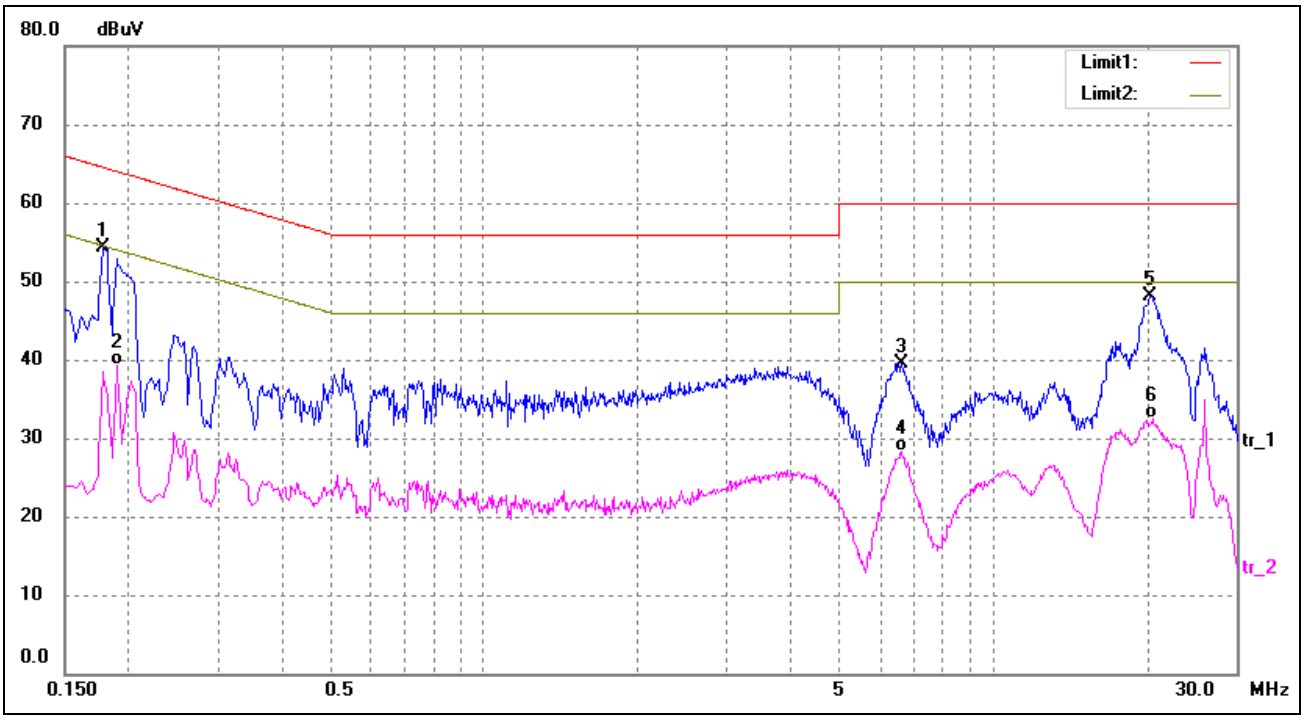
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1780	43.06	9.82	52.88	64.58	-11.70	peak
2	0.1860	29.31	9.81	39.12	54.21	-15.09	AVG
3	6.4820	22.88	9.62	32.50	50.00	-17.50	AVG
4	6.6380	33.48	9.61	43.09	60.00	-16.91	peak
5	20.4900	24.06	9.68	33.74	50.00	-16.26	AVG
6*	20.6980	43.11	9.68	52.79	60.00	-7.21	peak

Test Specification: *Line*

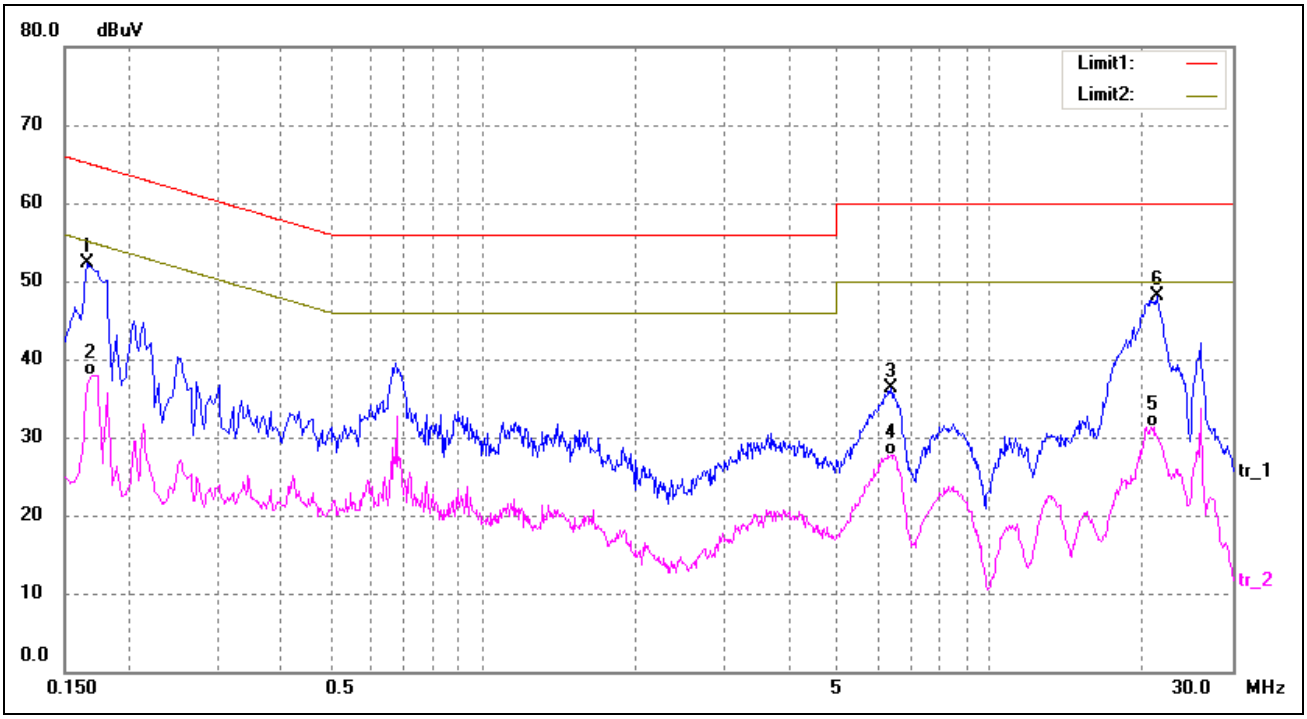


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1780	44.53	9.82	54.35	64.58	-10.23	peak
2	0.1900	29.49	9.81	39.30	54.04	-14.74	AVG
3	6.5980	29.87	9.62	39.49	60.00	-20.51	peak
4	6.5980	18.65	9.62	28.27	50.00	-21.73	AVG
5	20.3620	38.42	9.68	48.10	60.00	-11.90	peak
6	20.5300	22.74	9.68	32.42	50.00	-17.58	AVG

Plot of Conducted Emissions Test Data

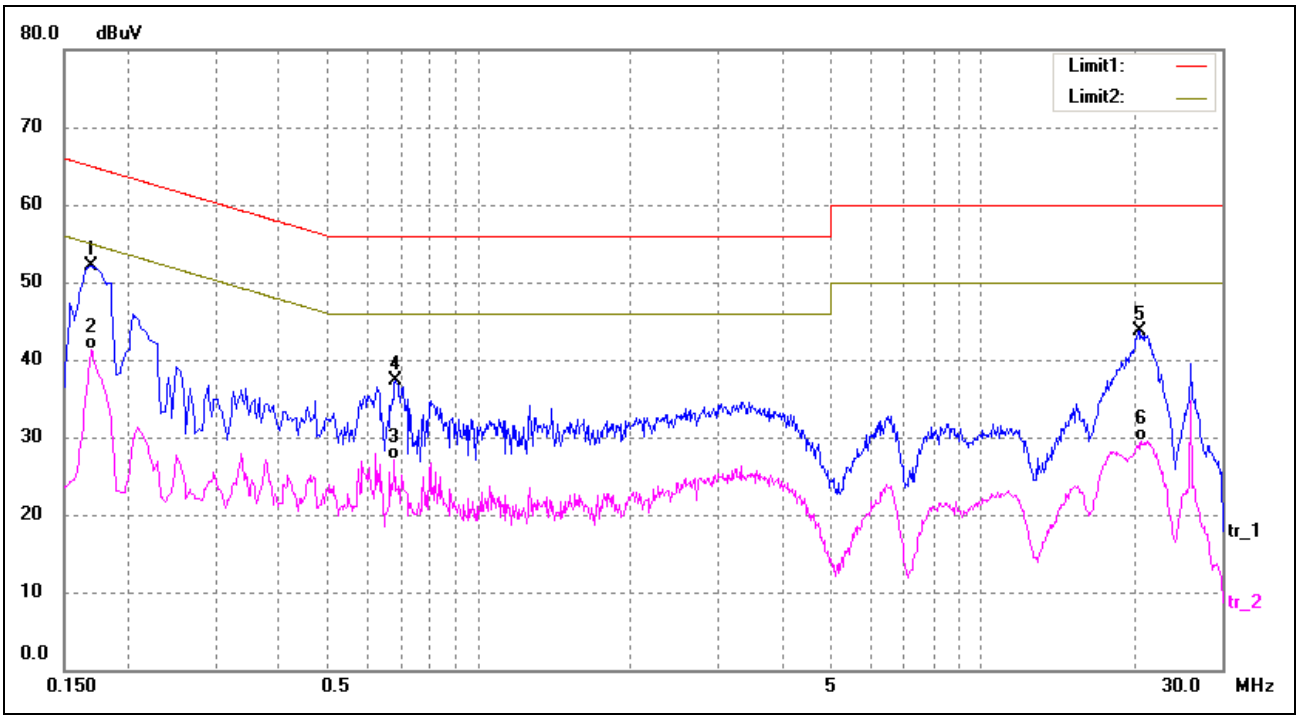
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	42.40	9.83	52.23	65.16	-12.93	peak
2	0.1700	28.05	9.83	37.88	54.96	-17.08	AVG
3	6.3620	26.64	9.62	36.26	60.00	-23.74	peak
4	6.3620	18.17	9.62	27.79	50.00	-22.21	AVG
5	20.9460	21.66	9.68	31.34	50.00	-18.66	AVG
6*	21.2740	38.38	9.68	48.06	60.00	-11.94	peak

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1700	42.23	9.83	52.06	64.96	-12.90	peak
2	0.1700	31.47	9.83	41.30	54.96	-13.66	AVG
3	0.6820	17.30	9.79	27.09	46.00	-18.91	AVG
4	0.6860	27.46	9.79	37.25	56.00	-18.75	peak
5	20.4900	34.05	9.68	43.73	60.00	-16.27	peak
6	20.7300	19.84	9.68	29.52	50.00	-20.48	AVG

Plot of Conducted Emissions Test Data

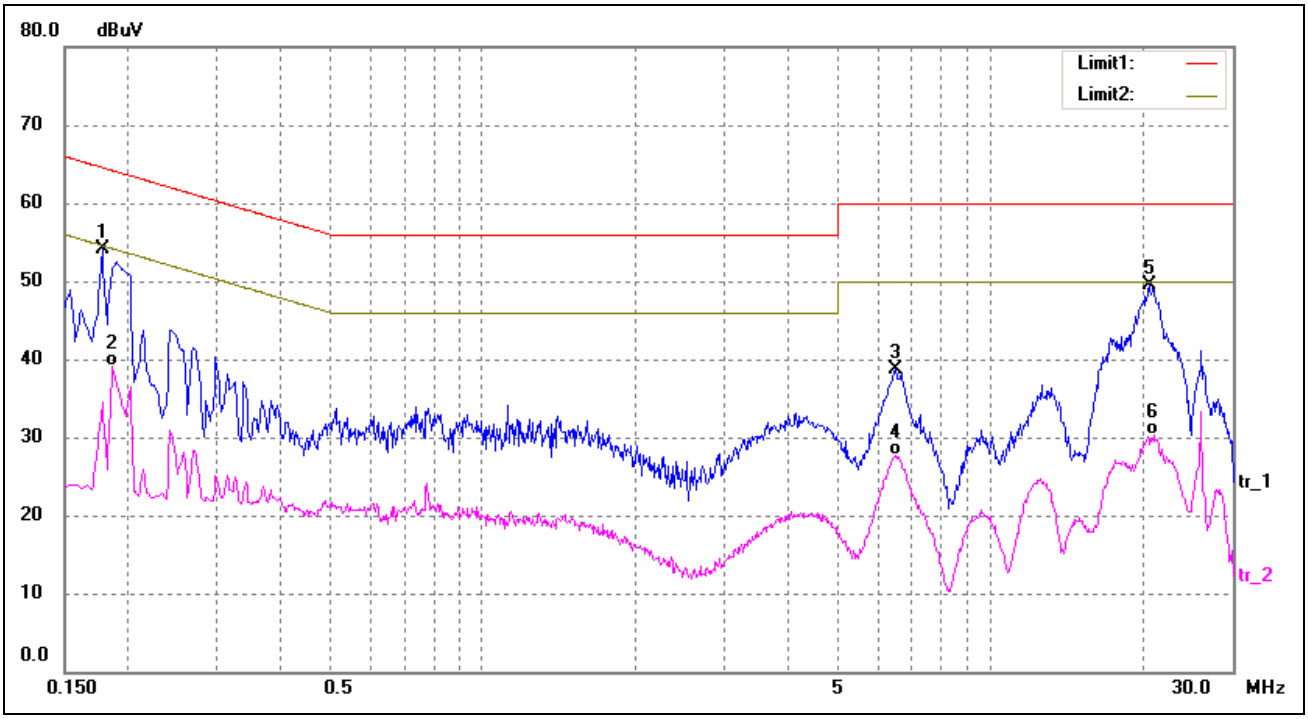
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 115VAC*

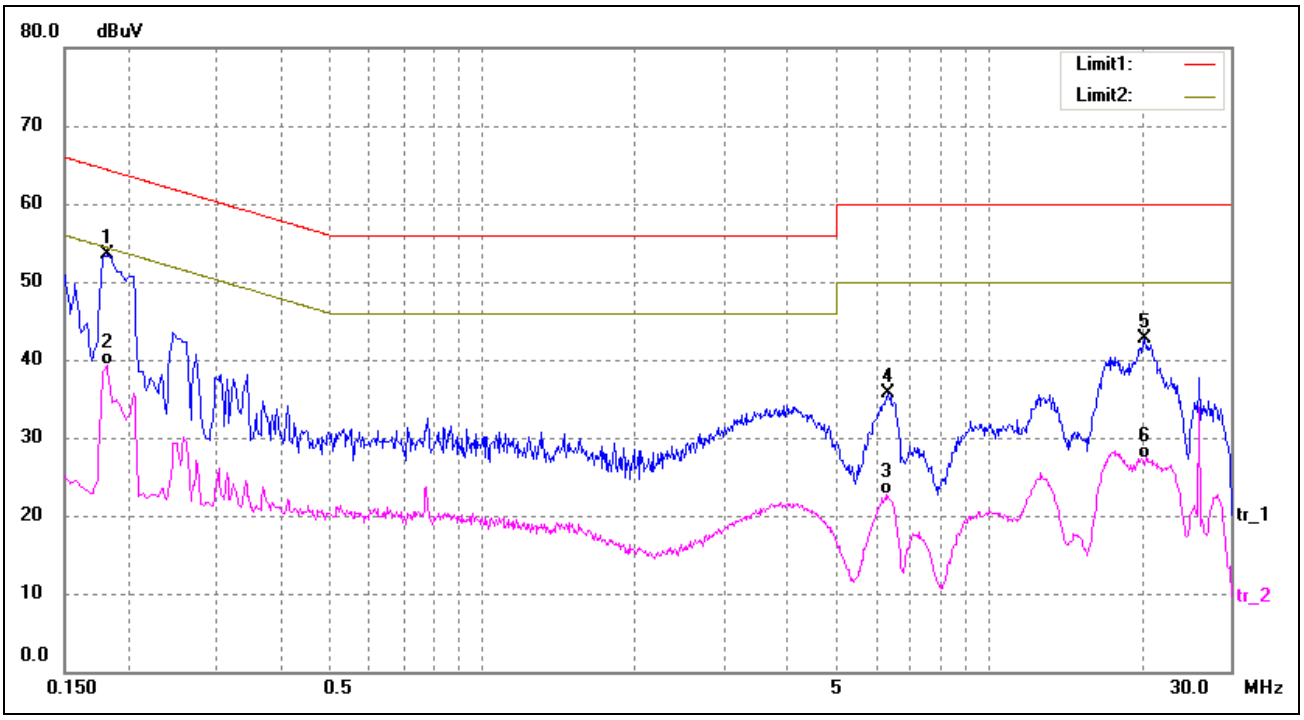
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	44.21	9.82	54.03	64.58	-10.55	peak
2	0.1860	29.26	9.81	39.07	54.21	-15.14	AVG
3	6.5020	29.10	9.62	38.72	60.00	-21.28	peak
4	6.5020	18.01	9.62	27.63	50.00	-22.37	AVG
5*	20.5180	39.92	9.68	49.60	60.00	-10.40	peak
6	20.9420	20.55	9.68	30.23	50.00	-19.77	AVG

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1820	43.61	9.82	53.43	64.39	-10.96	peak
2	0.1820	29.52	9.82	39.34	54.39	-15.05	AVG
3	6.3100	13.01	9.62	22.63	50.00	-27.37	AVG
4	6.3460	26.00	9.62	35.62	60.00	-24.38	peak
5	20.3140	33.01	9.68	42.69	60.00	-17.31	peak
6	20.4300	17.72	9.68	27.40	50.00	-22.60	AVG

Plot of Conducted Emissions Test Data

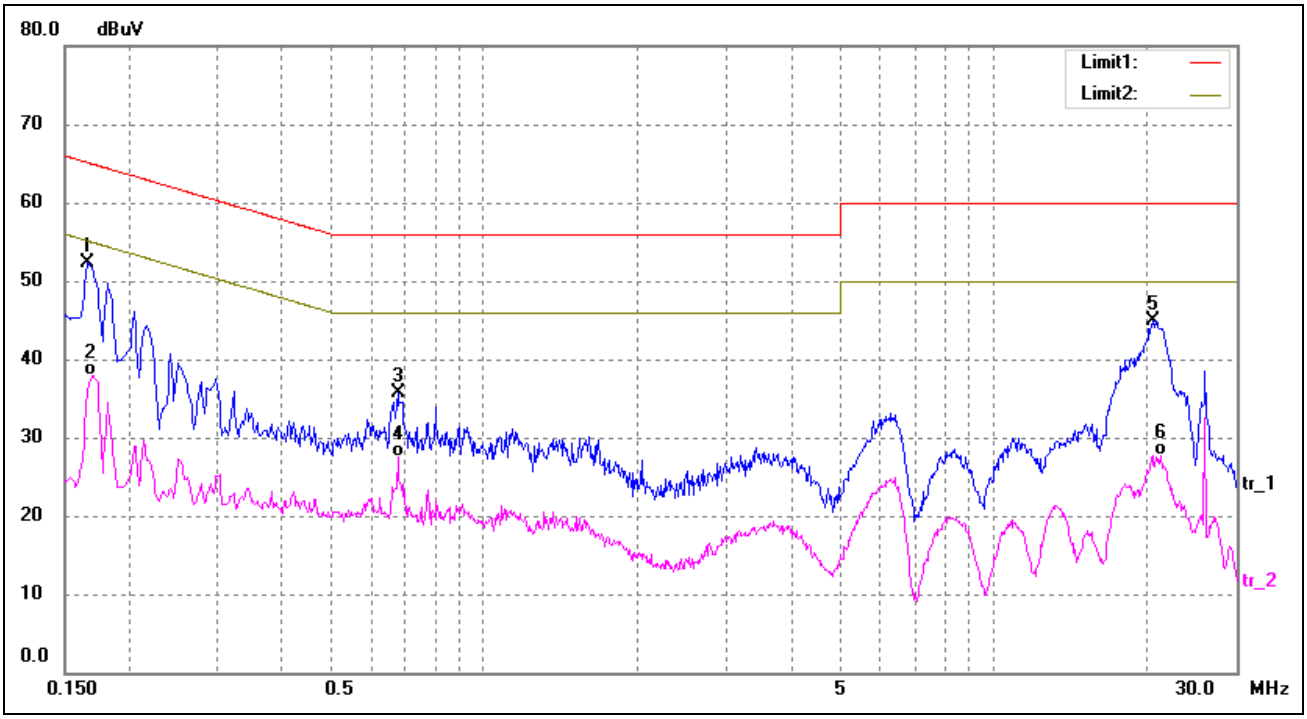
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 115VAC*

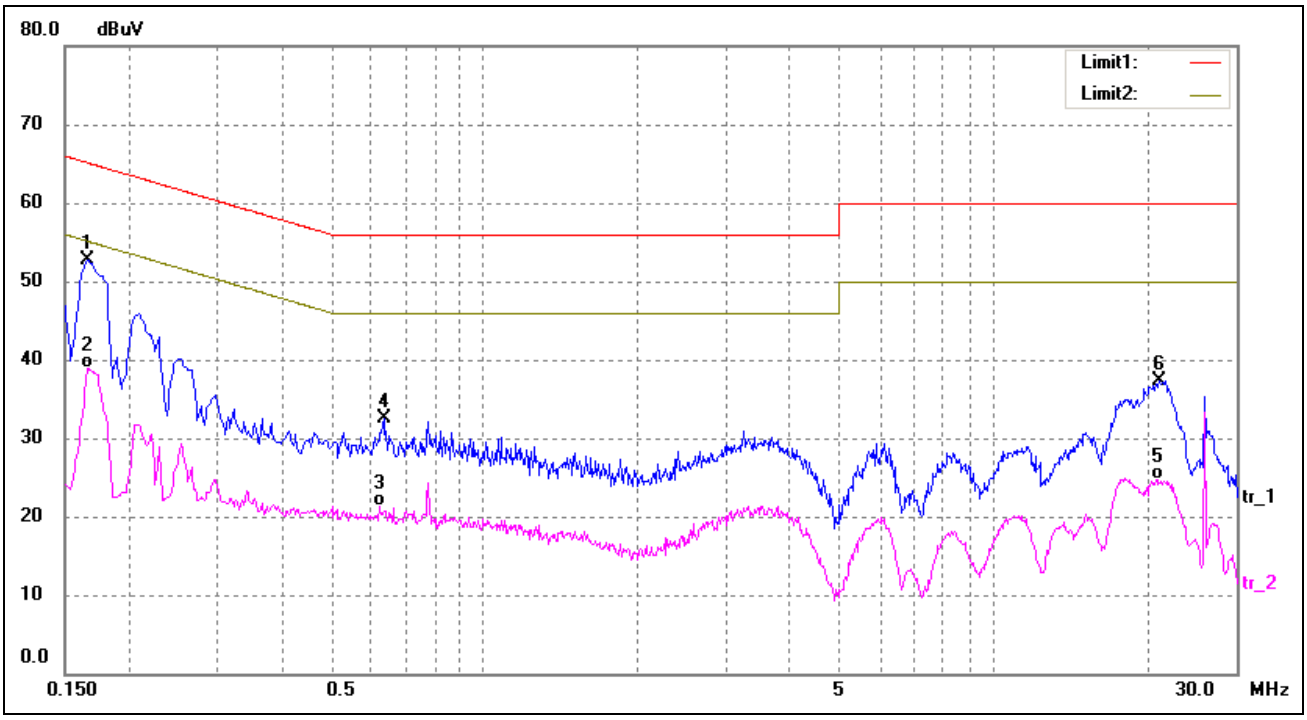
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1660	42.54	9.83	52.37	65.16	-12.79	peak
2	0.1700	28.17	9.83	38.00	54.96	-16.96	AVG
3	0.6780	25.93	9.79	35.72	56.00	-20.28	peak
4	0.6780	17.66	9.79	27.45	46.00	-18.55	AVG
5	20.6700	35.26	9.68	44.94	60.00	-15.06	peak
6	21.3060	18.00	9.68	27.68	50.00	-22.32	AVG

Test Specification: *Line*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1660	42.94	9.83	52.77	65.16	-12.39	peak
2	0.1660	29.12	9.83	38.95	55.16	-16.21	AVG
3	0.6220	11.50	9.79	21.29	46.00	-24.71	AVG
4	0.6340	22.75	9.79	32.54	56.00	-23.46	peak
5	21.0540	15.11	9.68	24.79	50.00	-25.21	AVG
6	21.2260	27.58	9.68	37.26	60.00	-22.74	peak

Plot of Conducted Emissions Test Data

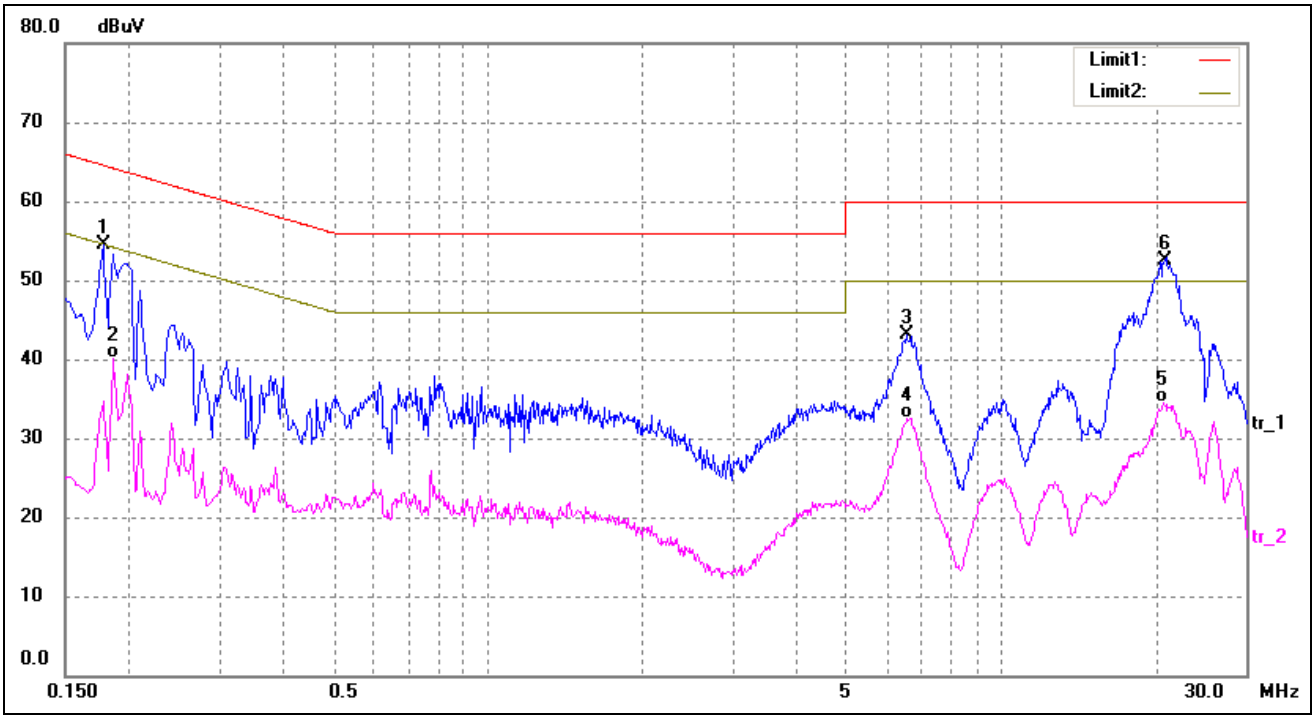
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 115VAC*

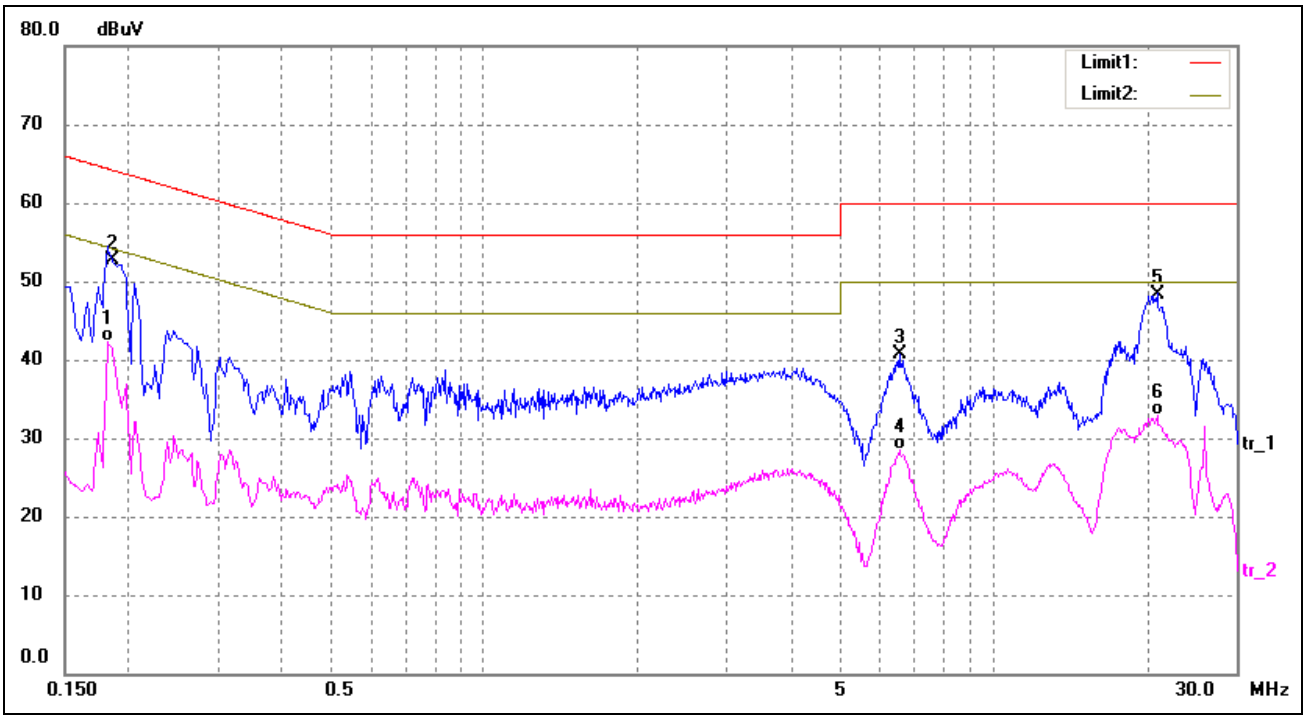
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	44.65	9.82	54.47	64.58	-10.11	peak
2	0.1860	30.38	9.81	40.19	54.21	-14.02	AVG
3	6.5540	33.50	9.62	43.12	60.00	-16.88	peak
4	6.5860	22.89	9.62	32.51	50.00	-17.49	AVG
5	20.7100	24.78	9.68	34.46	50.00	-15.54	AVG
6*	20.8220	42.87	9.68	52.55	60.00	-7.45	peak

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1820	32.44	9.82	42.26	54.39	-12.13	AVG
2*	0.1864	42.82	9.81	52.63	64.20	-11.57	peak
3	6.5340	31.06	9.62	40.68	60.00	-19.32	peak
4	6.5340	18.91	9.62	28.53	50.00	-21.47	AVG
5	20.9780	38.72	9.68	48.40	60.00	-11.60	peak
6	20.9780	23.14	9.68	32.82	50.00	-17.18	AVG

Plot of Conducted Emissions Test Data

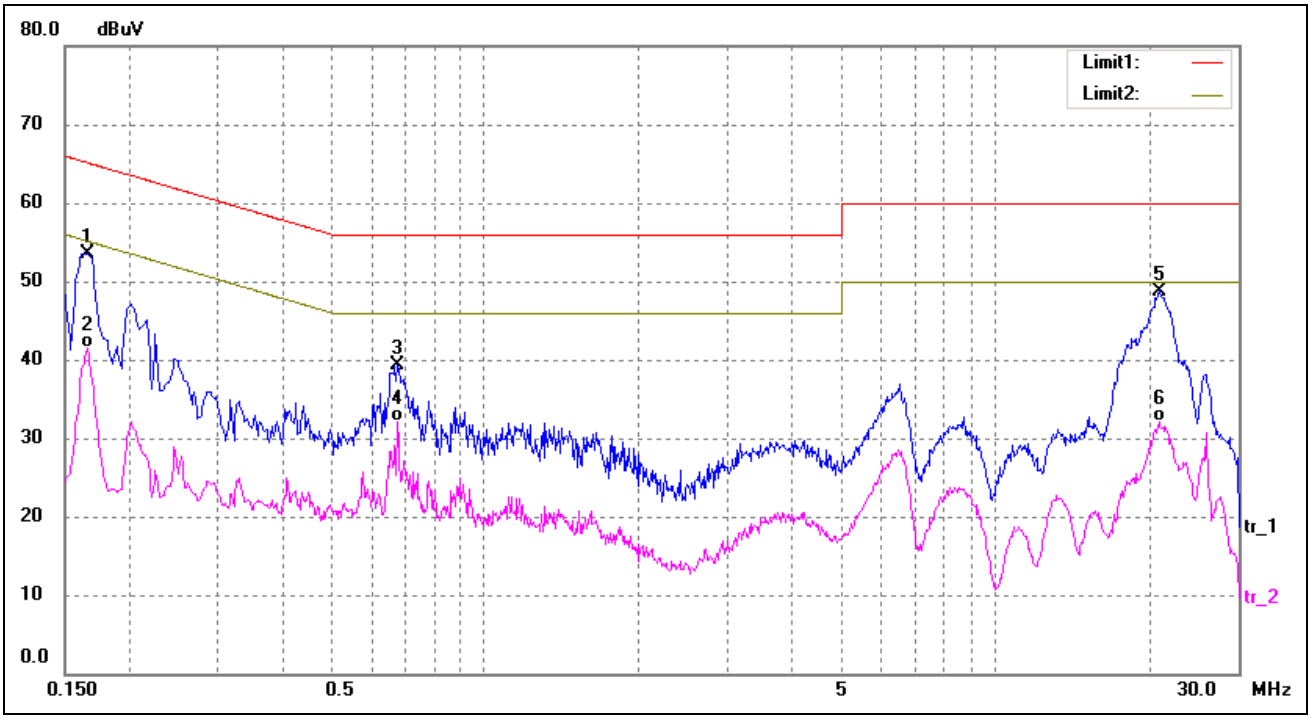
EUT: *AC/DC Power supply*

Tested Model: *FCS40US12*

Operating Condition: *Input: 115VAC*

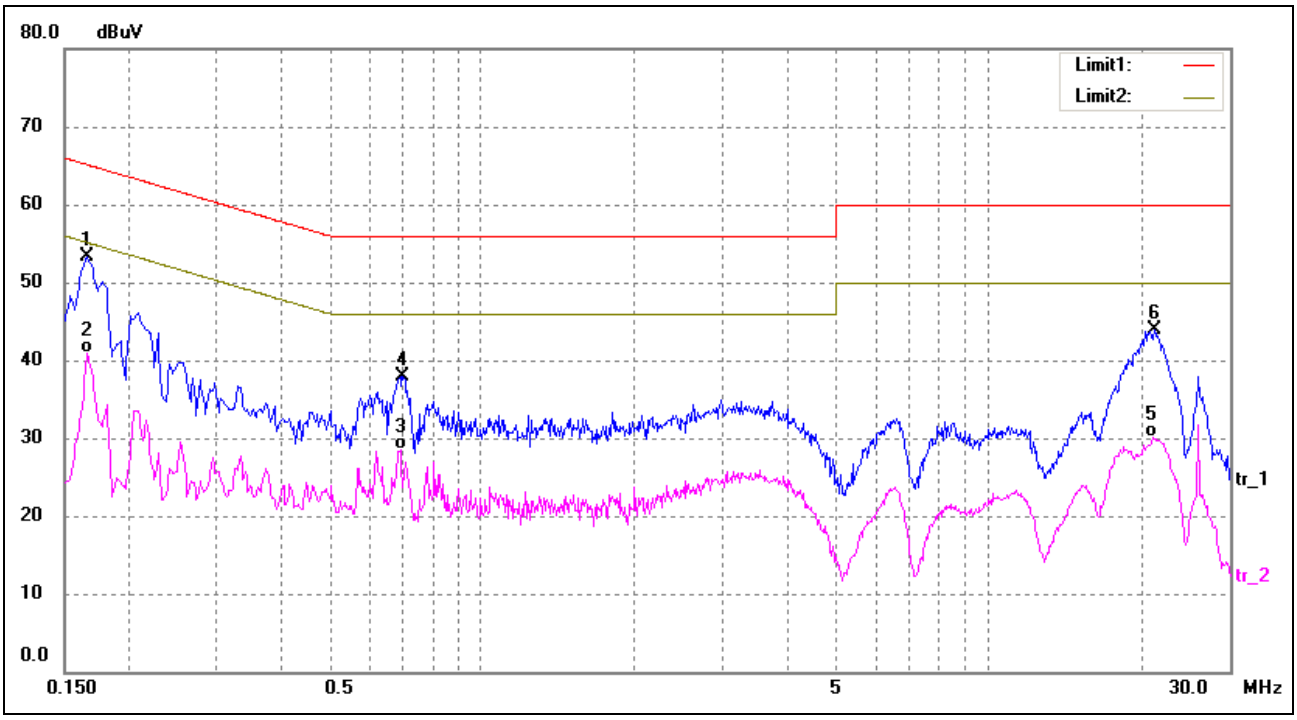
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1660	43.72	9.83	53.55	65.16	-11.61	peak
2	0.1660	31.76	9.83	41.59	55.16	-13.57	AVG
3	0.6740	29.55	9.79	39.34	56.00	-16.66	peak
4	0.6740	22.34	9.79	32.13	46.00	-13.87	AVG
5*	20.9820	39.12	9.68	48.80	60.00	-11.20	peak
6	20.9820	22.47	9.68	32.15	50.00	-17.85	AVG

Test Specification: *Line*

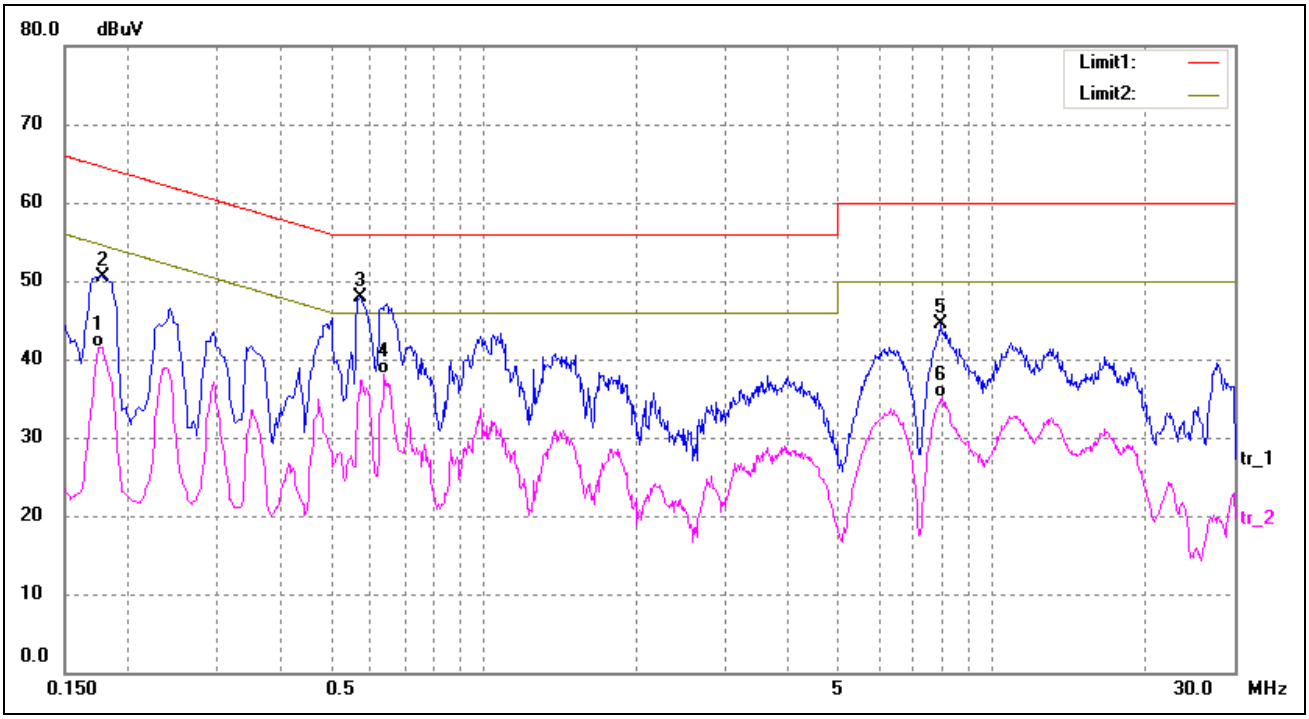


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1660	43.38	9.83	53.21	65.16	-11.95	peak
2	0.1660	31.08	9.83	40.91	55.16	-14.25	AVG
3	0.6900	18.78	9.78	28.56	46.00	-17.44	AVG
4	0.6980	28.21	9.78	37.99	56.00	-18.01	peak
5	21.1780	20.34	9.68	30.02	50.00	-19.98	AVG
6	21.3180	34.19	9.68	43.87	60.00	-16.13	peak

Plot of Conducted Emissions Test Data

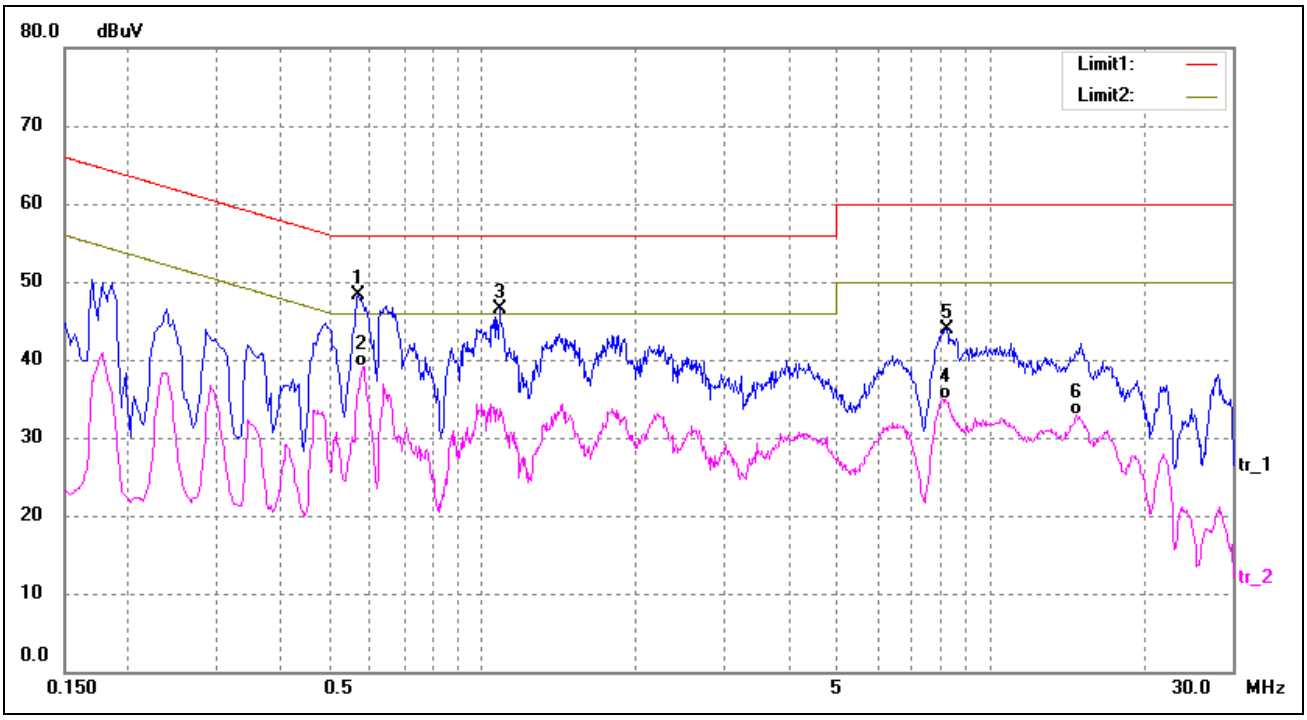
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	31.68	9.83	41.51	54.77	-13.26	AVG
2	0.1780	40.78	9.82	50.60	64.58	-13.98	peak
3	0.5740	38.14	9.79	47.93	56.00	-8.07	peak
4*	0.6380	28.33	9.79	38.12	46.00	-7.88	AVG
5	7.8940	34.99	9.58	44.57	60.00	-15.43	peak
6	7.9860	25.58	9.58	35.16	50.00	-14.84	AVG

Test Specification: *Line*

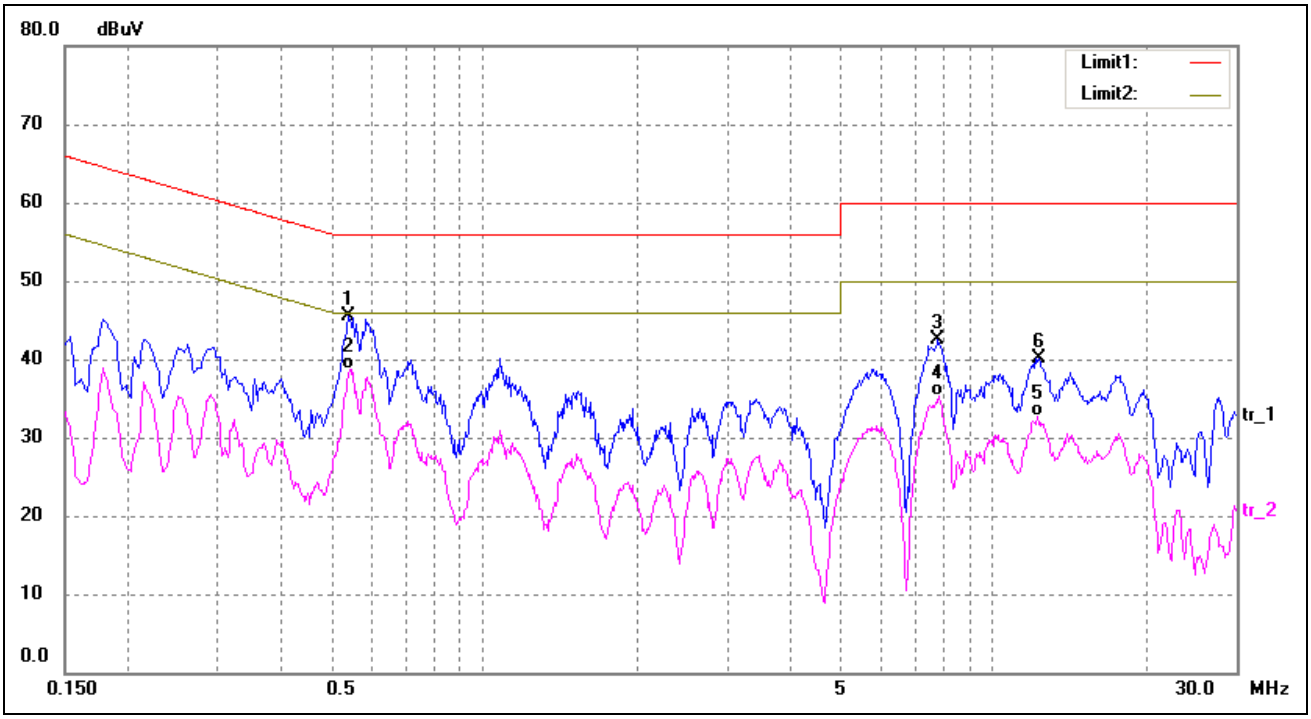


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.5700	38.43	9.79	48.22	56.00	-7.78	peak
2*	0.5820	29.41	9.79	39.20	46.00	-6.80	AVG
3	1.0780	36.70	9.76	46.46	56.00	-9.54	peak
4	8.1500	25.36	9.57	34.93	50.00	-15.07	AVG
5	8.2180	34.37	9.57	43.94	60.00	-16.06	peak
6	14.8020	23.24	9.61	32.85	50.00	-17.15	AVG

Plot of Conducted Emissions Test Data

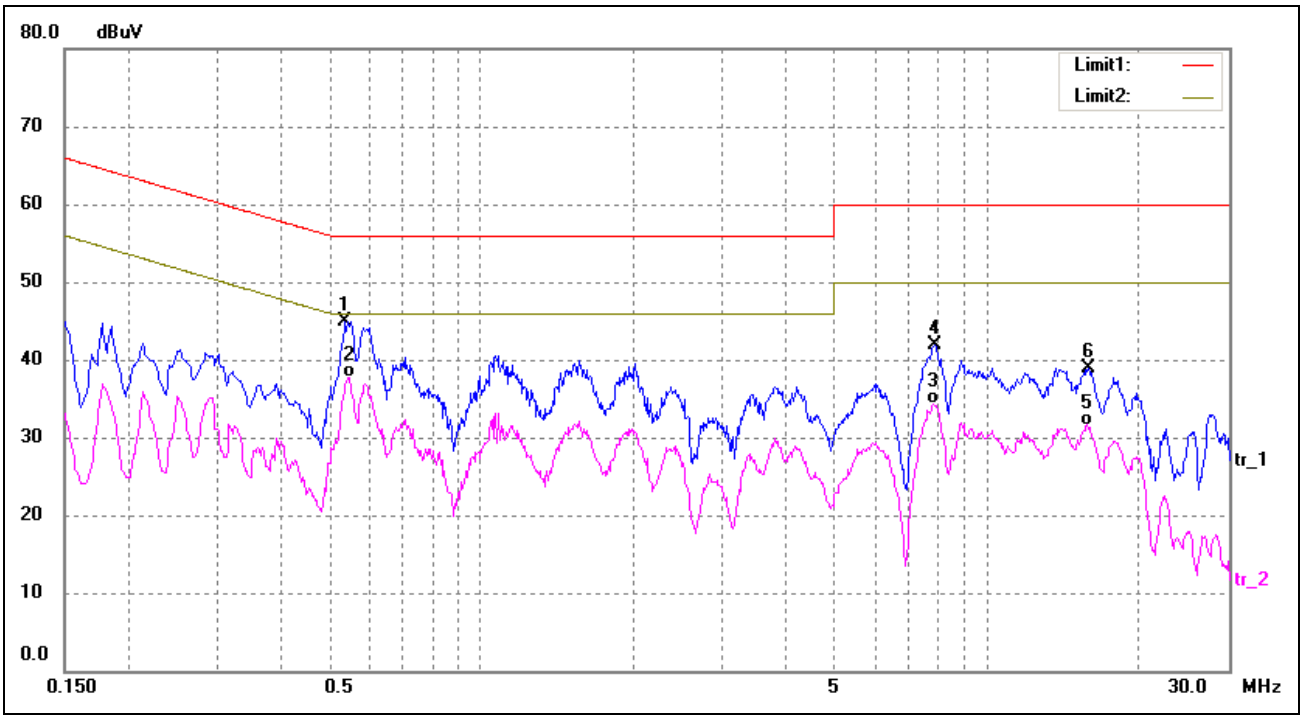
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.5420	35.71	9.80	45.51	56.00	-10.49	peak
2*	0.5460	28.94	9.80	38.74	46.00	-7.26	AVG
3	7.8020	32.83	9.58	42.41	60.00	-17.59	peak
4	7.8180	25.73	9.58	35.31	50.00	-14.69	AVG
5	12.2340	23.17	9.56	32.73	50.00	-17.27	AVG
6	12.3020	30.55	9.56	40.11	60.00	-19.89	peak

Test Specification: *Line*

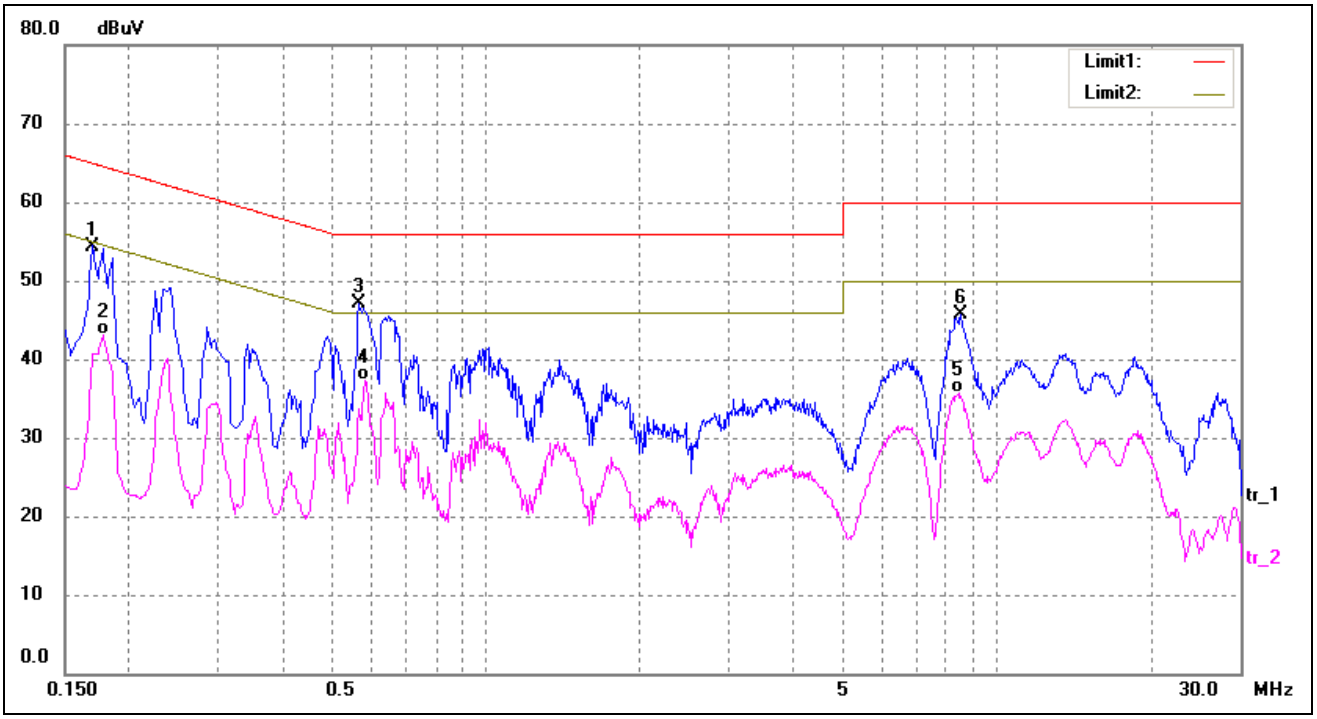


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.5380	35.11	9.80	44.91	56.00	-11.09	peak
2*	0.5500	27.87	9.80	37.67	46.00	-8.33	AVG
3	7.8380	24.70	9.58	34.28	50.00	-15.72	AVG
4	7.8820	32.26	9.58	41.84	60.00	-18.16	peak
5	15.7900	21.98	9.62	31.60	50.00	-18.40	AVG
6	15.8580	29.24	9.62	38.86	60.00	-21.14	peak

Plot of Conducted Emissions Test Data

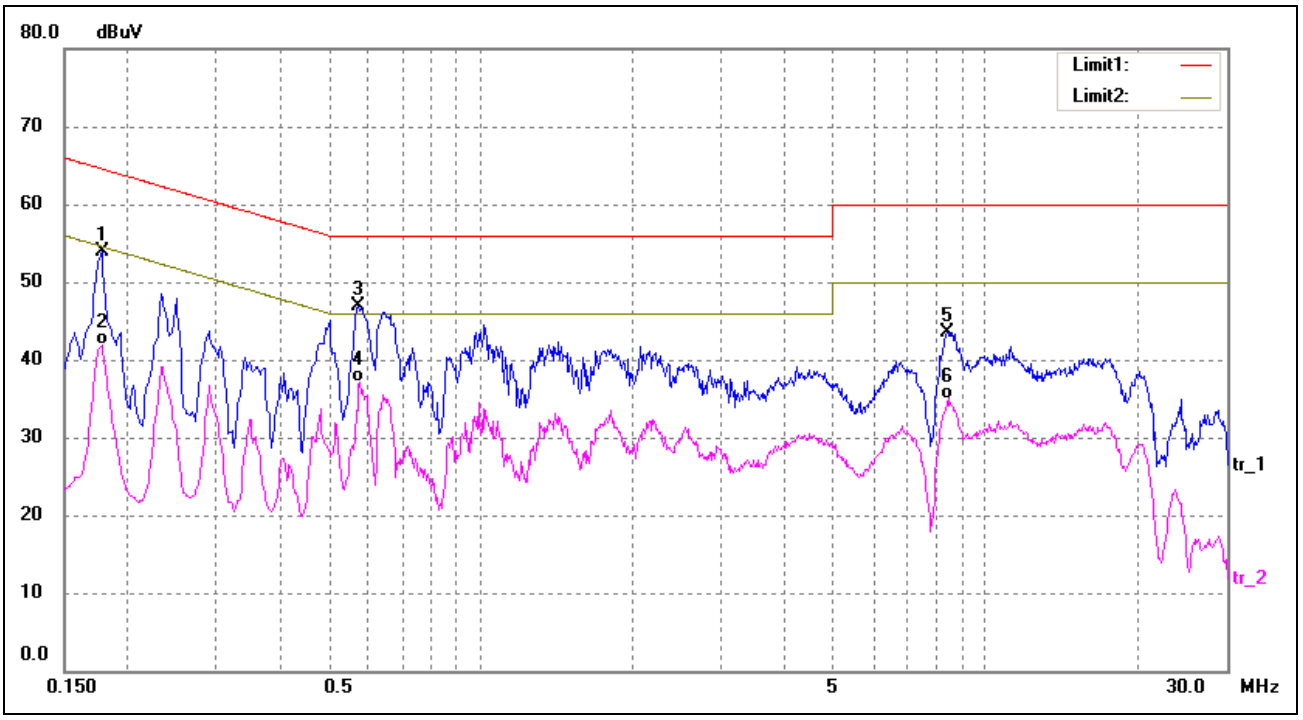
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1700	44.57	9.83	54.40	64.96	-10.56	peak
2	0.1780	33.35	9.82	43.17	54.58	-11.41	AVG
3	0.5660	37.30	9.79	47.09	56.00	-8.91	peak
4*	0.5820	27.44	9.79	37.23	46.00	-8.77	AVG
5	8.4460	26.06	9.56	35.62	50.00	-14.38	AVG
6	8.5380	36.14	9.56	45.70	60.00	-14.30	peak

Test Specification: *Line*

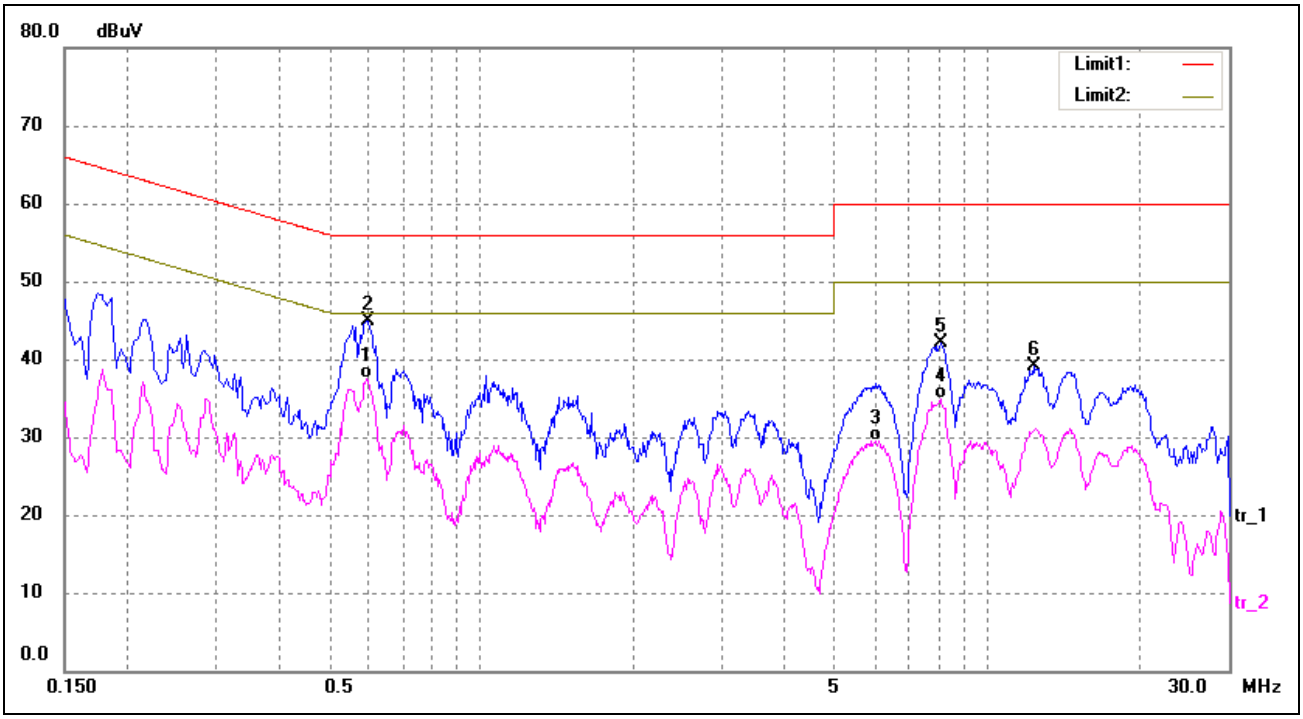


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1780	44.01	9.82	53.83	64.58	-10.75	peak
2	0.1780	32.11	9.82	41.93	54.58	-12.65	AVG
3	0.5740	37.12	9.79	46.91	56.00	-9.09	peak
4*	0.5780	27.26	9.79	37.05	46.00	-8.95	AVG
5	8.4100	33.94	9.56	43.50	60.00	-16.50	peak
6	8.4260	25.44	9.56	35.00	50.00	-15.00	AVG

Plot of Conducted Emissions Test Data

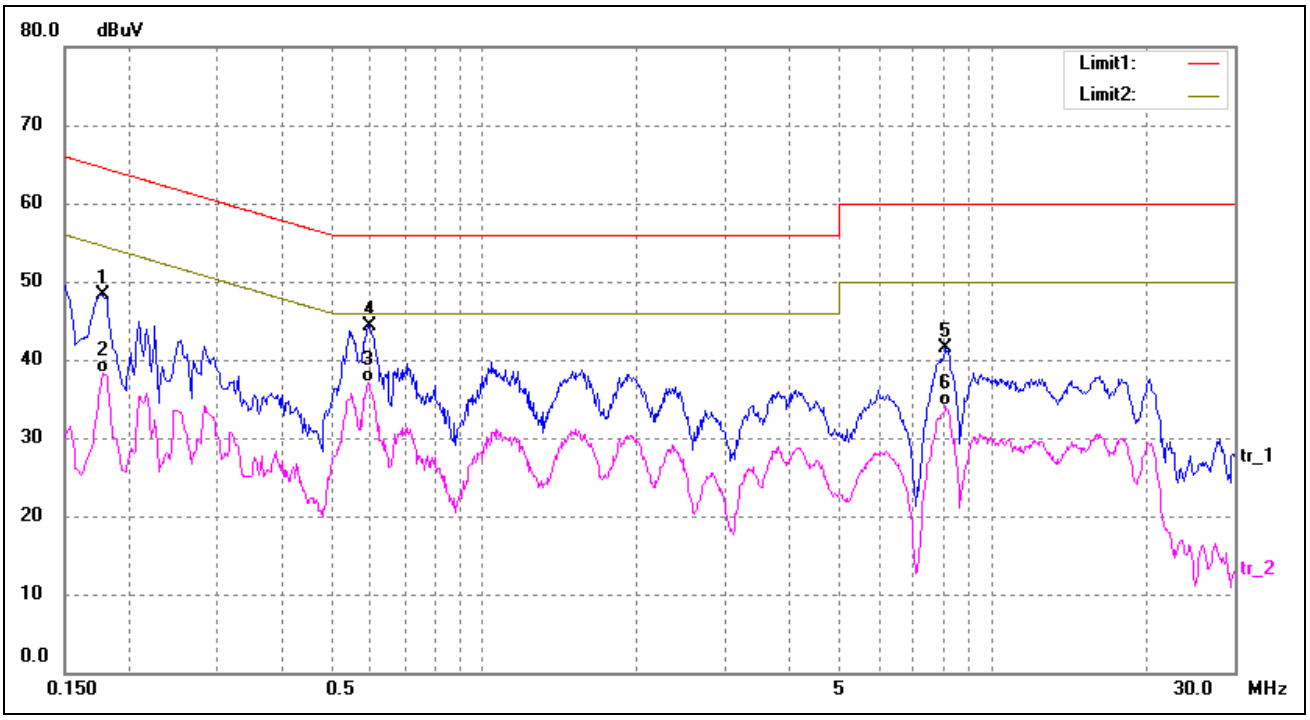
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.5940	27.74	9.79	37.53	46.00	-8.47	AVG
2	0.5980	35.19	9.79	44.98	56.00	-11.02	peak
3	6.0300	19.97	9.63	29.60	50.00	-20.40	AVG
4	8.0860	25.26	9.57	34.83	50.00	-15.17	AVG
5	8.1140	32.50	9.57	42.07	60.00	-17.93	peak
6	12.3580	29.52	9.56	39.08	60.00	-20.92	peak

Test Specification: *Line*

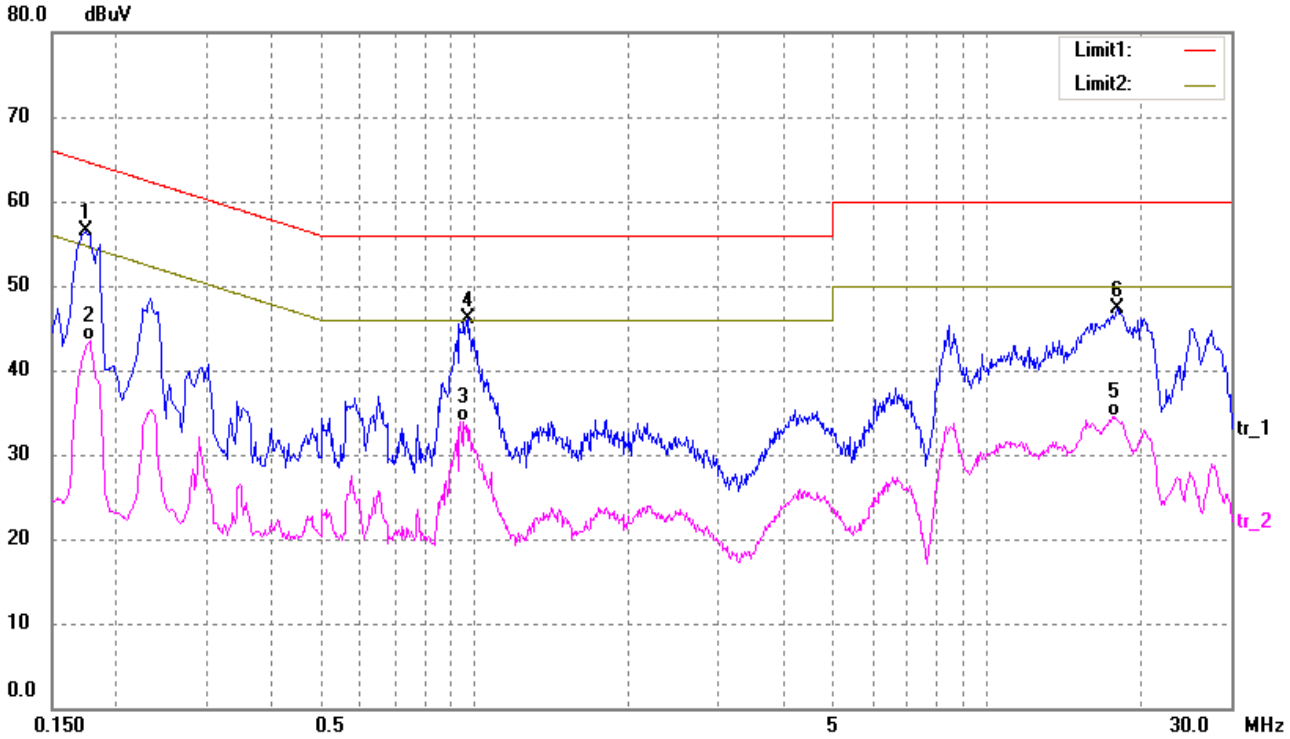


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	38.55	9.82	48.37	64.58	-16.21	peak
2	0.1780	28.42	9.82	38.24	54.58	-16.34	AVG
3*	0.5940	27.22	9.79	37.01	46.00	-8.99	AVG
4	0.5980	34.58	9.79	44.37	56.00	-11.63	peak
5	8.1220	31.85	9.57	41.42	60.00	-18.58	peak
6	8.1220	24.50	9.57	34.07	50.00	-15.93	AVG

Plot of Conducted Emissions Test Data

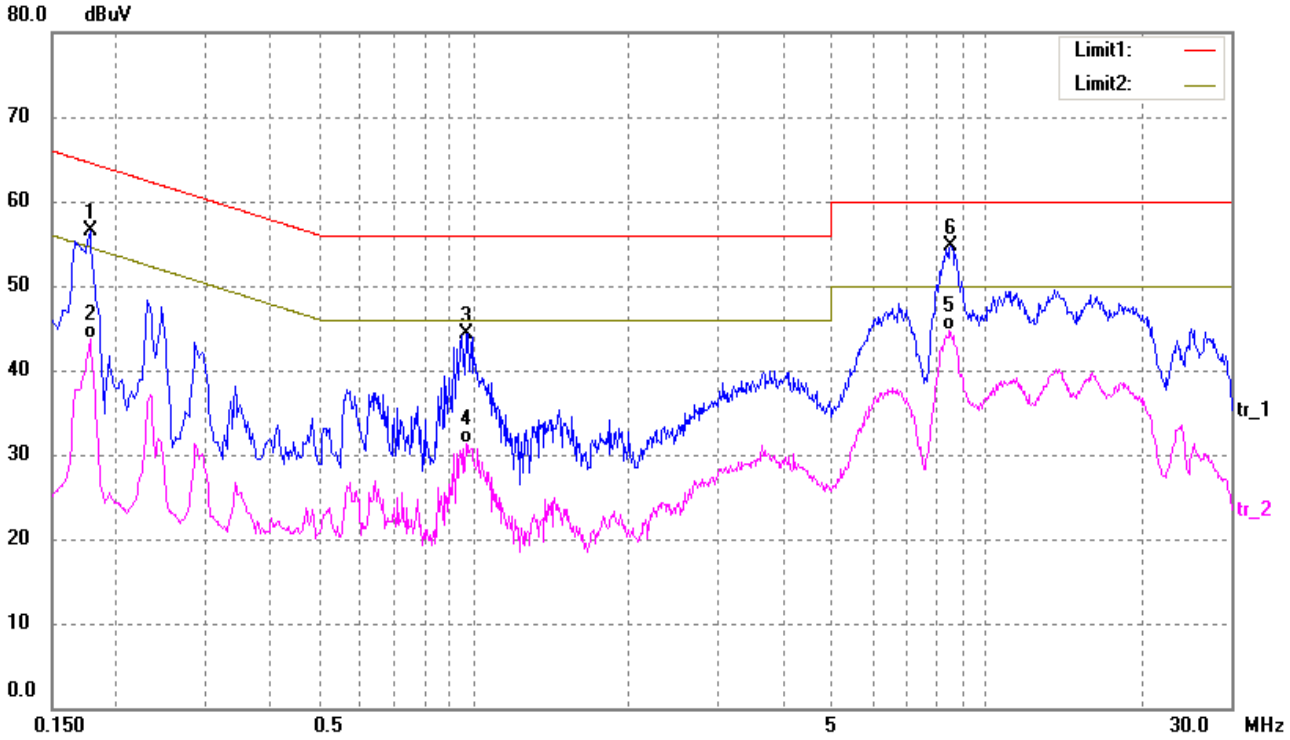
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1740	46.67	9.83	56.50	64.77	-8.27	Peak
2	0.1780	33.60	9.82	43.42	54.58	-11.16	AVG
3	0.9580	24.22	9.76	33.98	46.00	-12.02	AVG
4	0.9700	36.44	9.76	46.20	56.00	-9.80	Peak
5	17.7660	24.94	9.65	34.59	50.00	-15.41	AVG
6	17.9820	37.59	9.65	47.24	60.00	-12.76	Peak

Test Specification: *Line*

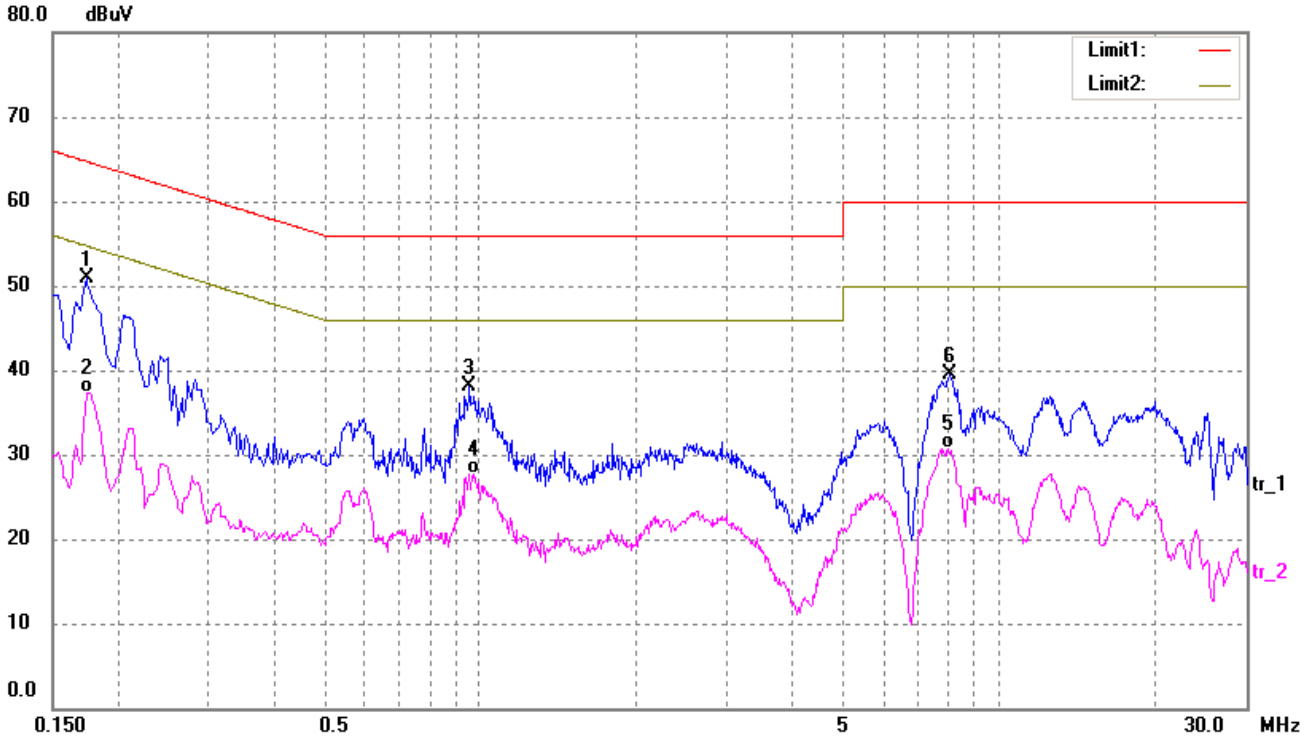


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1780	46.61	9.82	56.43	64.58	-8.15	peak
2	0.1780	33.82	9.82	43.64	54.58	-10.94	AVG
3	0.9660	34.63	9.76	44.39	56.00	-11.61	peak
4	0.9660	21.62	9.76	31.38	46.00	-14.62	AVG
5	8.4740	35.05	9.56	44.61	50.00	-5.39	AVG
6*	8.5420	45.13	9.56	54.69	60.00	-5.31	peak

Plot of Conducted Emissions Test Data

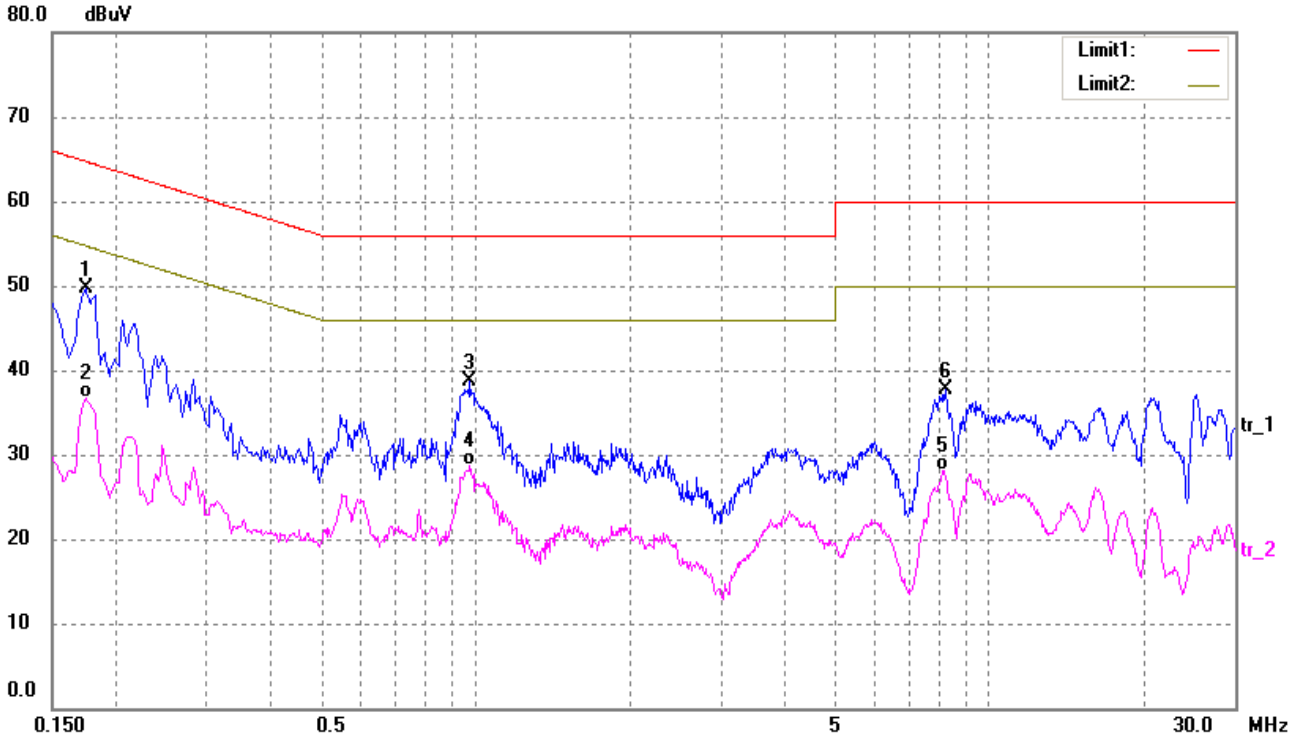
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1740	40.98	9.83	50.81	64.77	-13.96	peak
2	0.1740	27.52	9.83	37.35	54.77	-17.42	AVG
3	0.9580	28.39	9.76	38.15	56.00	-17.85	peak
4	0.9740	17.95	9.76	27.71	46.00	-18.29	AVG
5	8.0100	21.12	9.58	30.70	50.00	-19.30	AVG
6	8.0540	30.03	9.57	39.60	60.00	-20.40	peak

Test Specification: *Line*

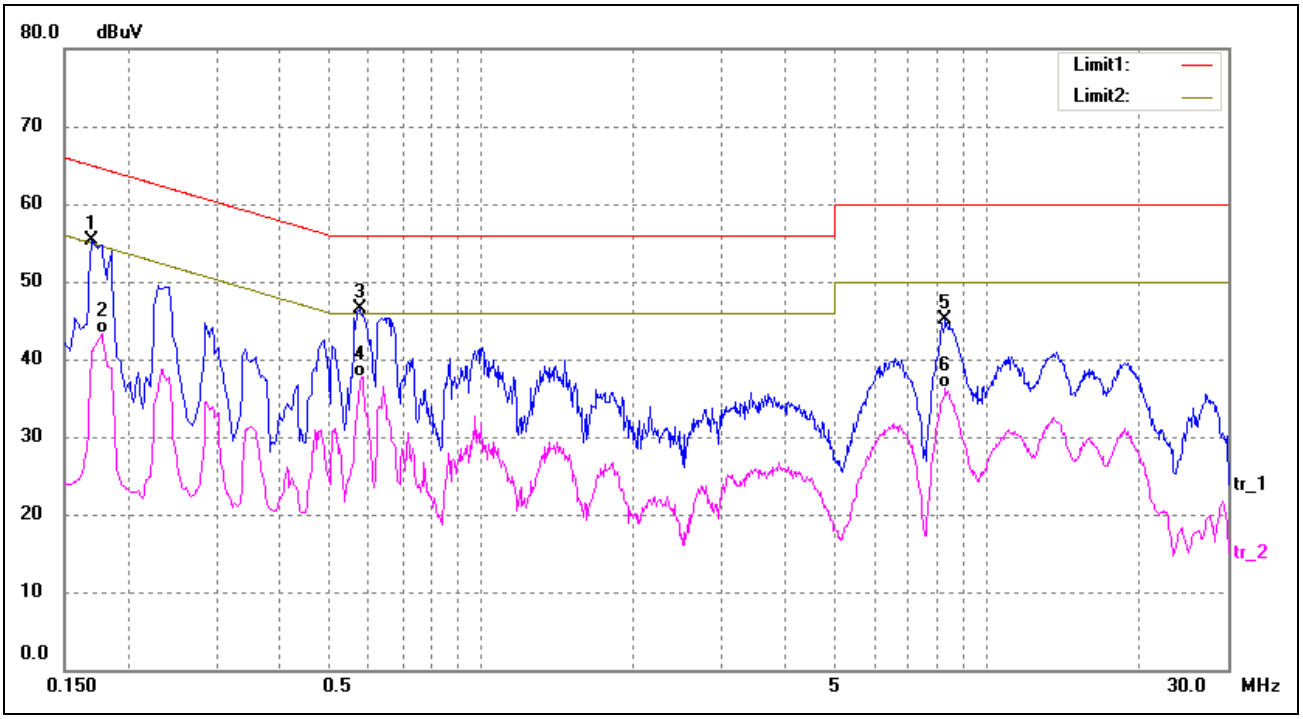


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1740	39.84	9.83	49.67	64.77	-15.10	peak
2	0.1740	26.93	9.83	36.76	54.77	-18.01	AVG
3	0.9740	29.02	9.76	38.78	56.00	-17.22	peak
4	0.9740	18.89	9.76	28.65	46.00	-17.35	AVG
5	8.1420	18.54	9.57	28.11	50.00	-21.89	AVG
6	8.2060	28.04	9.57	37.61	60.00	-22.39	peak

Plot of Conducted Emissions Test Data

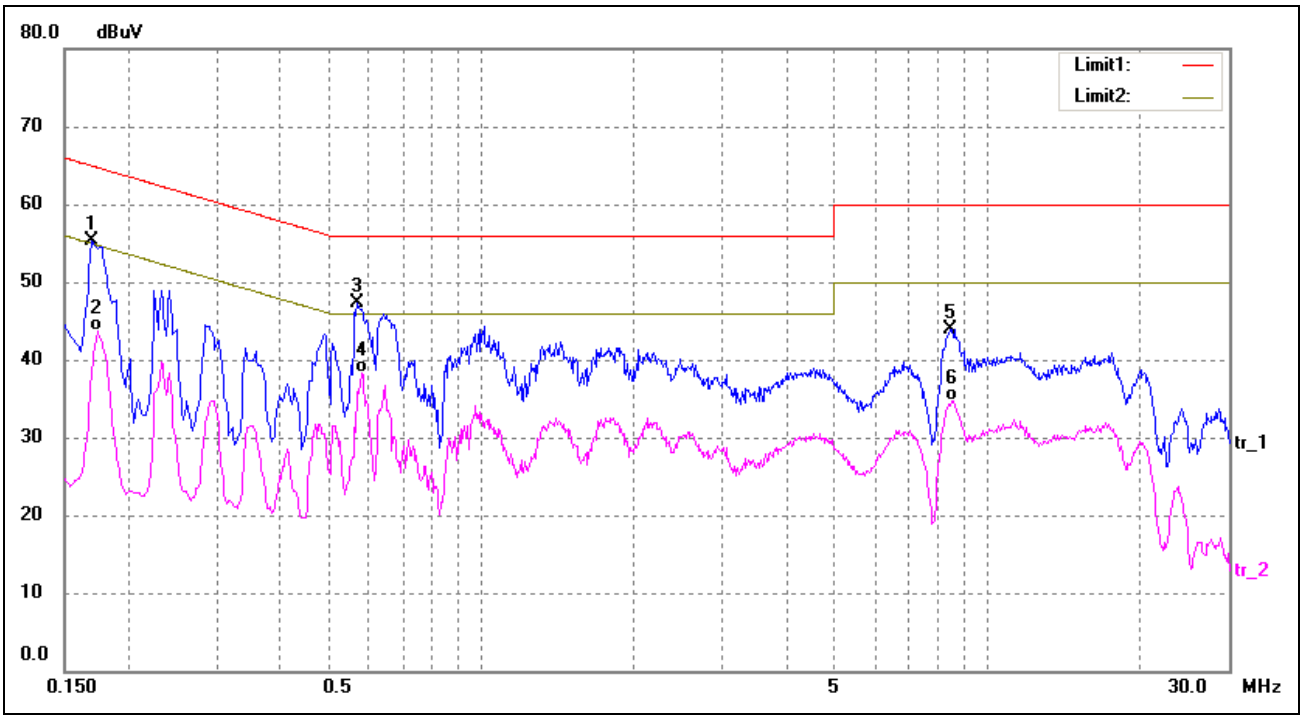
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1700	45.39	9.83	55.22	64.96	-9.74	Peak
2	0.1780	33.40	9.82	43.22	54.58	-11.36	AVG
3	0.5780	36.63	9.79	46.42	56.00	-9.58	Peak
4*	0.5820	27.90	9.79	37.69	46.00	-8.31	AVG
5	8.3060	35.60	9.57	45.17	60.00	-14.83	Peak
6	8.3060	26.70	9.57	36.27	50.00	-13.73	AVG

Test Specification: *Line*

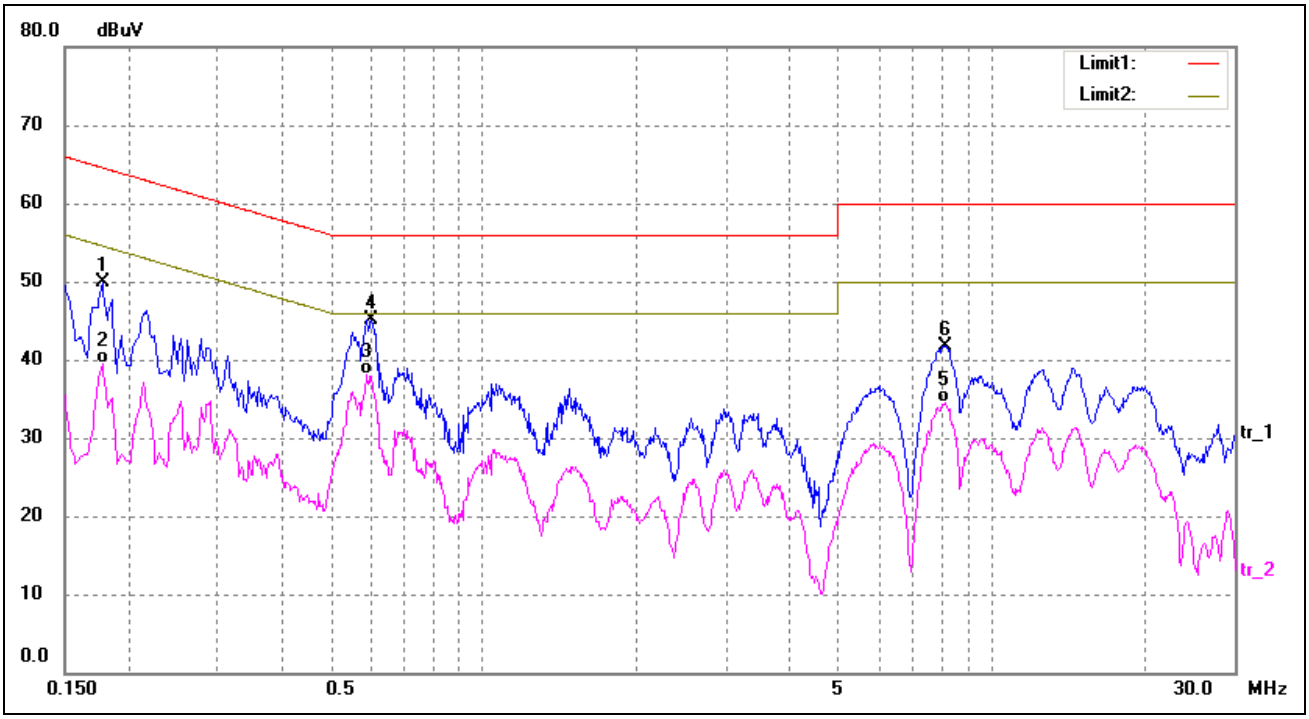


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1700	45.55	9.83	55.38	64.96	-9.58	Peak
2	0.1740	33.93	9.83	43.76	54.77	-11.01	AVG
3	0.5700	37.56	9.79	47.35	56.00	-8.65	Peak
4*	0.5820	28.45	9.79	38.24	46.00	-7.76	AVG
5	8.4940	34.40	9.56	43.96	60.00	-16.04	Peak
6	8.5620	25.13	9.56	34.69	50.00	-15.31	AVG

Plot of Conducted Emissions Test Data

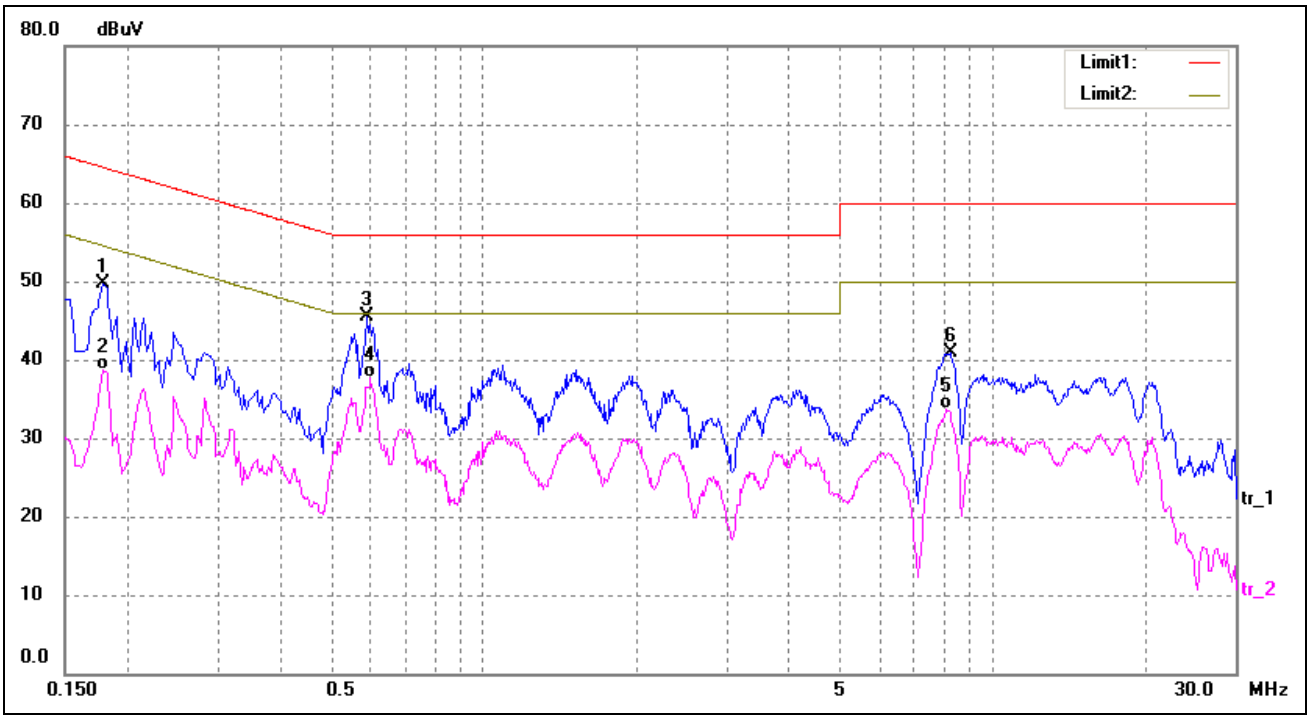
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	40.12	9.82	49.94	64.58	-14.64	peak
2	0.1780	29.71	9.82	39.53	54.58	-15.05	AVG
3*	0.5900	28.25	9.79	38.04	46.00	-7.96	AVG
4	0.6020	35.26	9.79	45.05	56.00	-10.95	peak
5	8.0820	25.00	9.57	34.57	50.00	-15.43	AVG
6	8.1300	32.16	9.57	41.73	60.00	-18.27	peak

Test Specification: *Line*

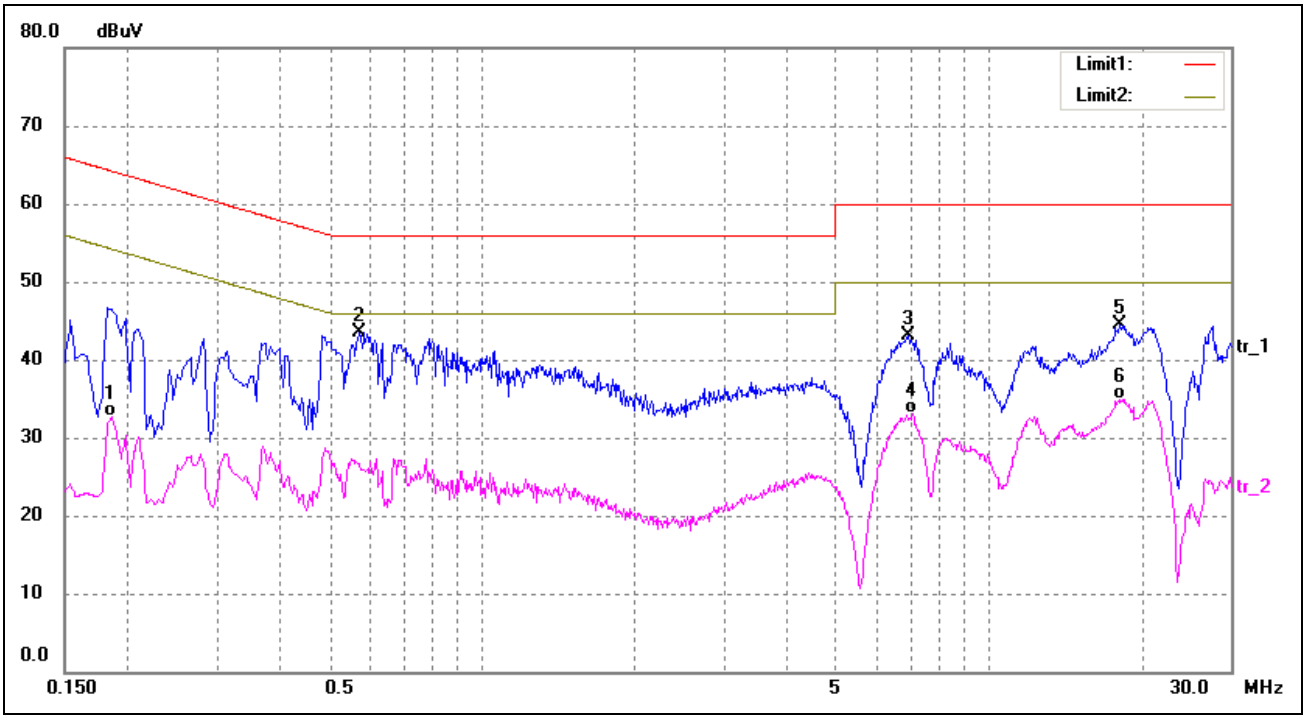


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	39.97	9.82	49.79	64.58	-14.79	peak
2	0.1780	28.93	9.82	38.75	54.58	-15.83	AVG
3	0.5900	35.69	9.79	45.48	56.00	-10.52	peak
4*	0.5980	27.89	9.79	37.68	46.00	-8.32	AVG
5	8.1420	24.07	9.57	33.64	50.00	-16.36	AVG
6	8.2540	31.26	9.57	40.83	60.00	-19.17	peak

Plot of Conducted Emissions Test Data

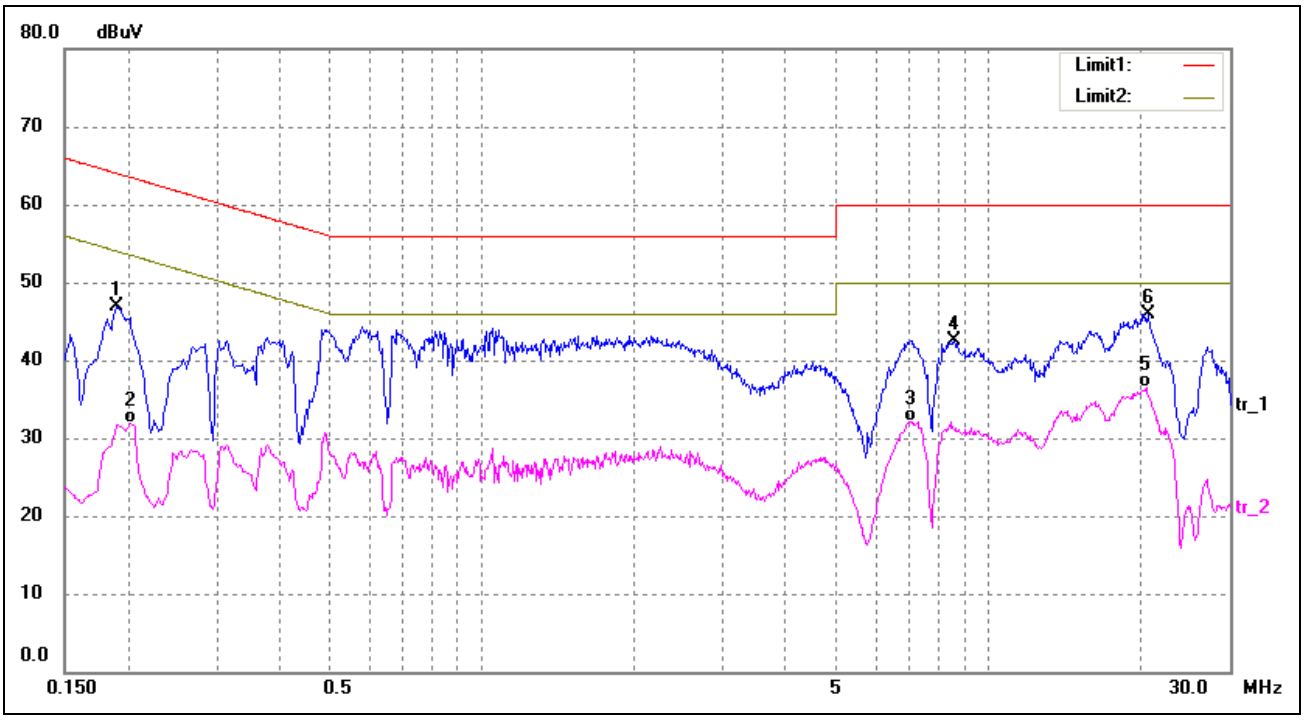
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1860	22.94	9.81	32.75	54.21	-21.46	AVG
2*	0.5740	33.65	9.79	43.44	56.00	-12.56	peak
3	6.9460	33.40	9.61	43.01	60.00	-16.99	peak
4	7.0780	23.43	9.60	33.03	50.00	-16.97	AVG
5	18.0420	34.91	9.65	44.56	60.00	-15.44	peak
6	18.1740	25.29	9.65	34.94	50.00	-15.06	AVG

Test Specification: *Line*

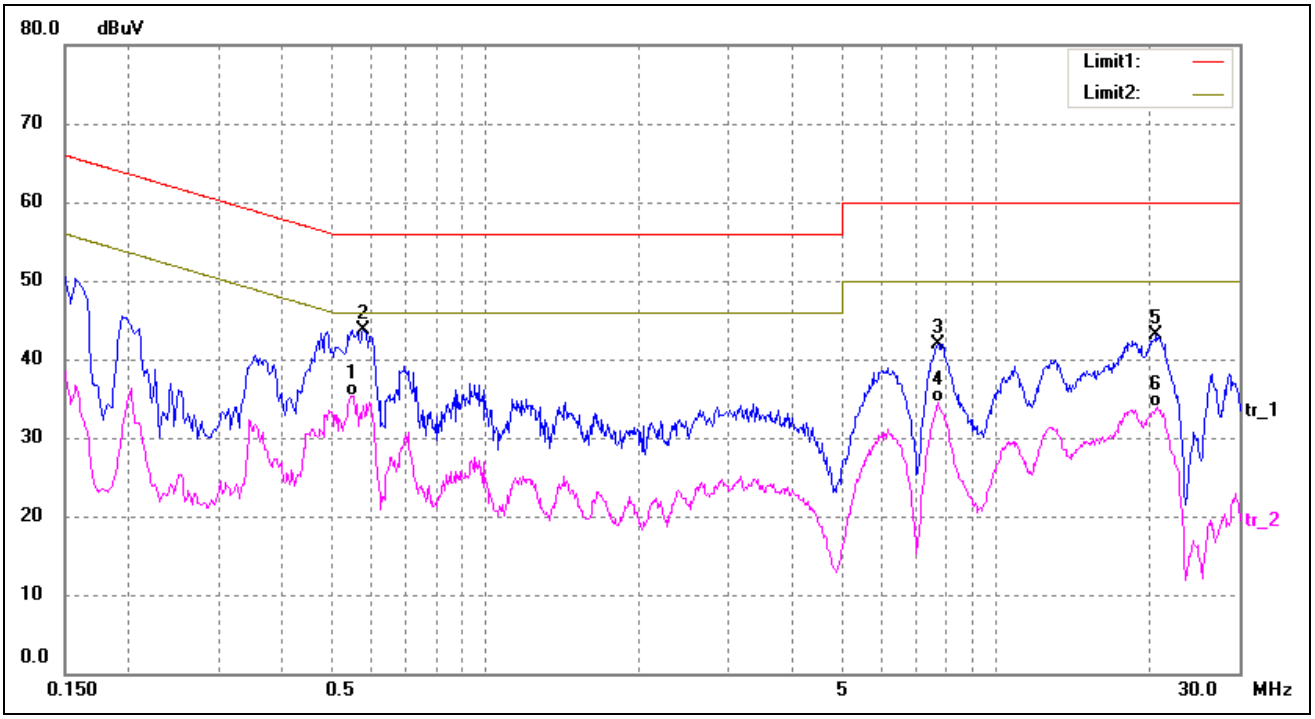


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1900	37.15	9.81	46.96	64.04	-17.08	peak
2	0.2020	22.03	9.80	31.83	53.53	-21.70	AVG
3	7.0540	22.52	9.60	32.12	50.00	-17.88	AVG
4	8.5660	33.01	9.56	42.57	60.00	-17.43	peak
5*	20.5500	26.76	9.68	36.44	50.00	-13.56	AVG
6	20.8100	36.24	9.68	45.92	60.00	-14.08	peak

Plot of Conducted Emissions Test Data

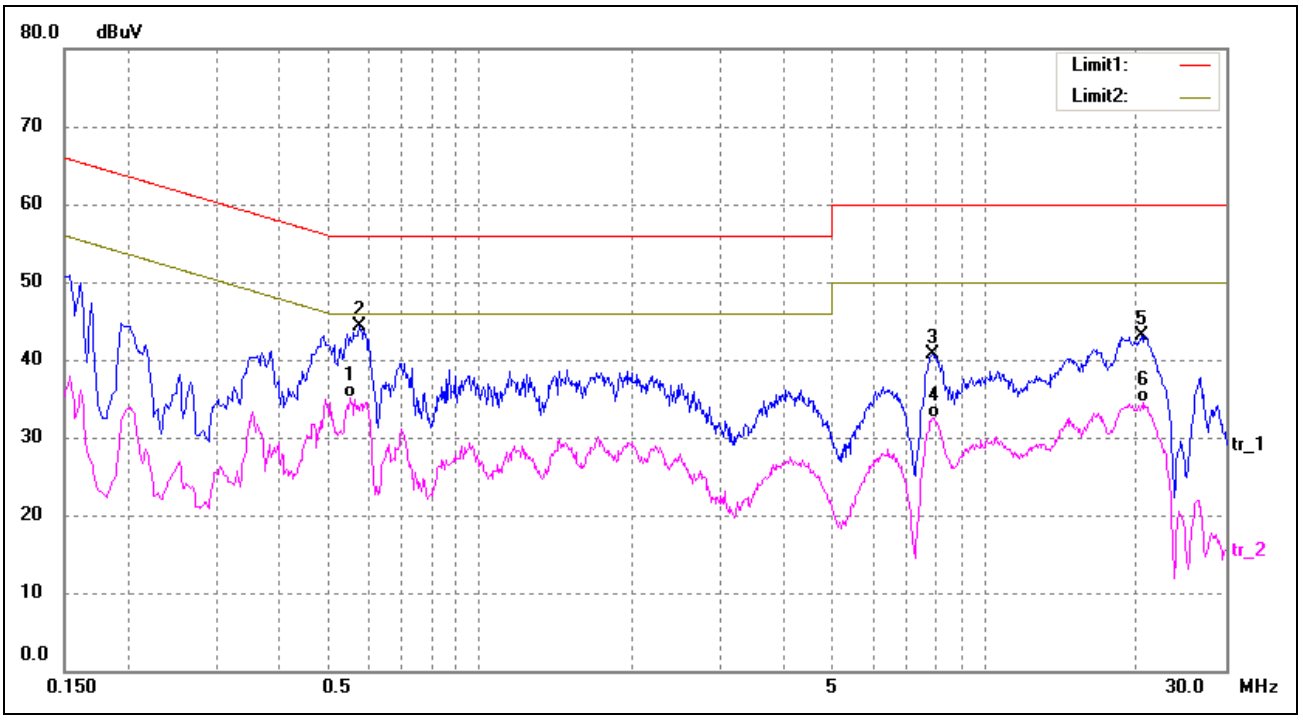
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.5540	25.58	9.80	35.38	46.00	-10.62	AVG
2	0.5780	33.96	9.79	43.75	56.00	-12.25	peak
3	7.7100	32.37	9.58	41.95	60.00	-18.05	peak
4	7.7100	24.89	9.58	34.47	50.00	-15.53	AVG
5	20.6540	33.39	9.68	43.07	60.00	-16.93	peak
6	20.7620	24.27	9.68	33.95	50.00	-16.05	AVG

Test Specification: *Line*

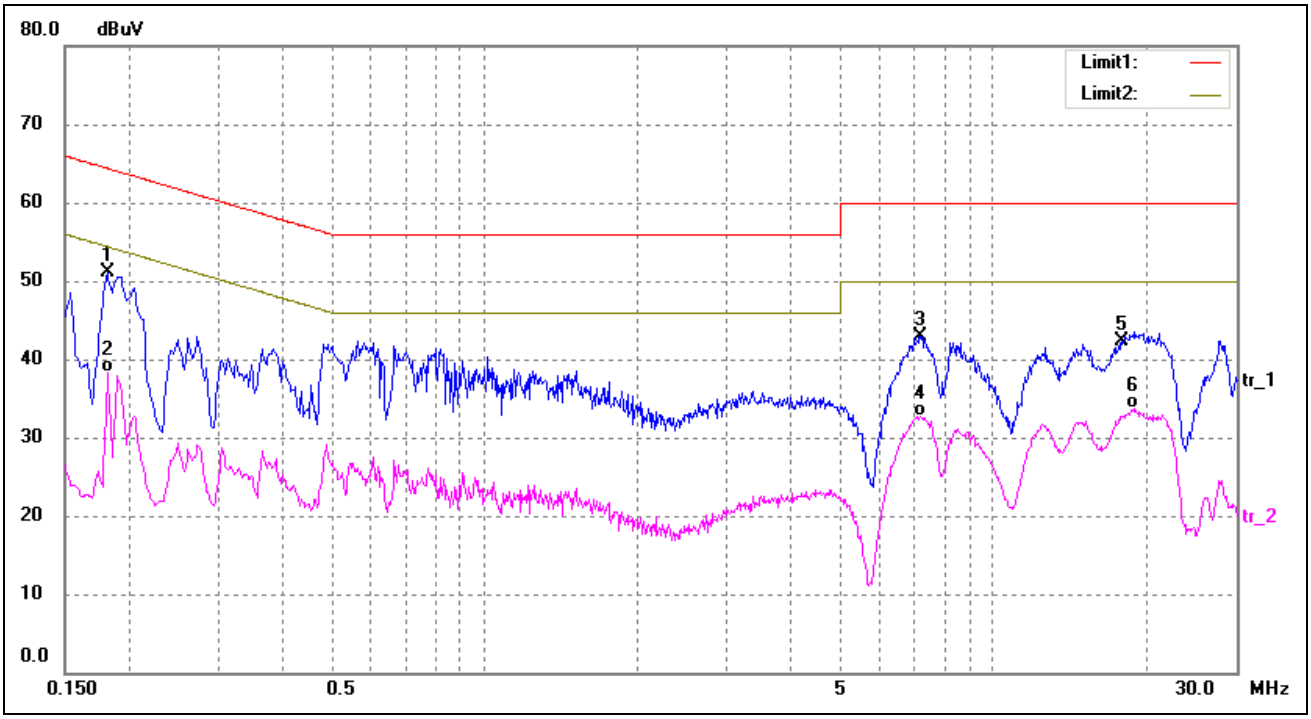


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.5540	25.36	9.80	35.16	46.00	-10.84	AVG
2	0.5780	34.59	9.79	44.38	56.00	-11.62	peak
3	7.8700	31.17	9.58	40.75	60.00	-19.25	peak
4	7.9500	22.93	9.58	32.51	50.00	-17.49	AVG
5	20.3860	33.44	9.68	43.12	60.00	-16.88	peak
6	20.6420	24.91	9.68	34.59	50.00	-15.41	AVG

Plot of Conducted Emissions Test Data

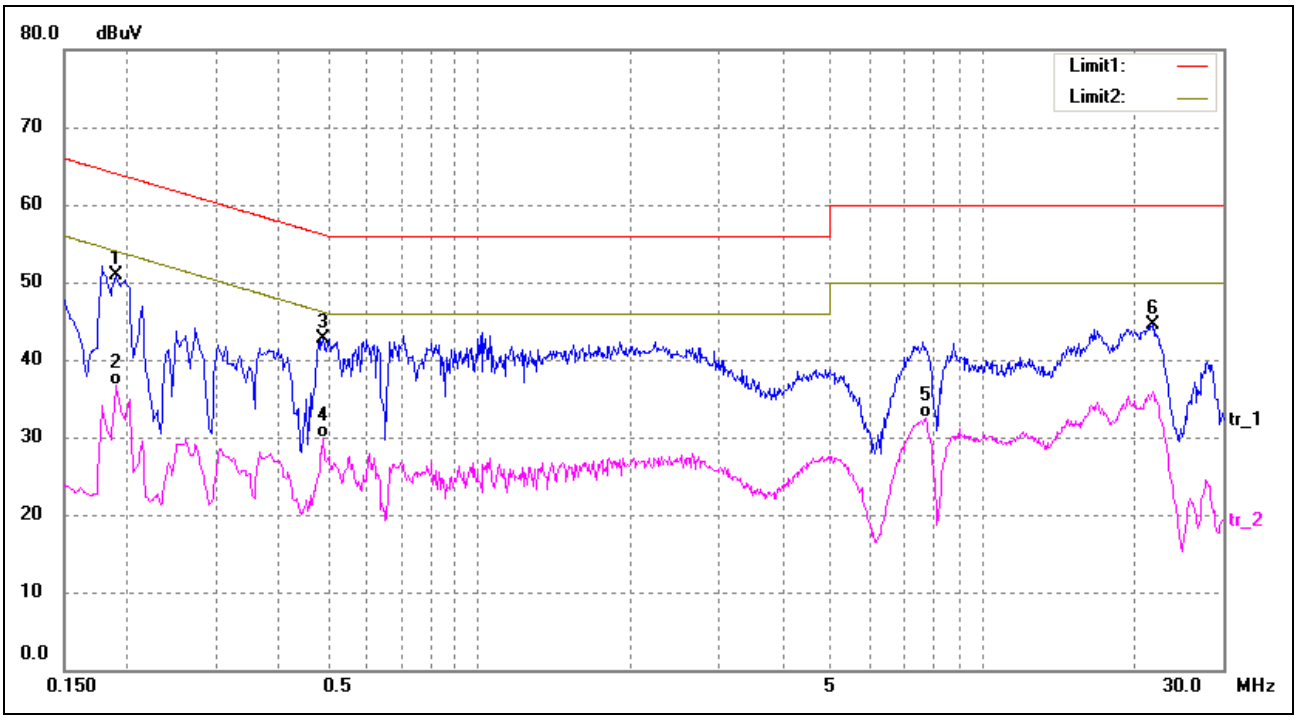
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1820	41.32	9.82	51.14	64.39	-13.25	peak
2	0.1820	28.44	9.82	38.26	54.39	-16.13	AVG
3	7.2020	33.35	9.60	42.95	60.00	-17.05	peak
4	7.2020	23.15	9.60	32.75	50.00	-17.25	AVG
5	17.8980	32.59	9.65	42.24	60.00	-17.76	peak
6	18.8980	23.98	9.66	33.64	50.00	-16.36	AVG

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1900	41.16	9.81	50.97	64.04	-13.07	peak
2	0.1900	26.99	9.81	36.80	54.04	-17.24	AVG
3	0.4900	32.95	9.80	42.75	56.17	-13.42	peak
4	0.4900	20.10	9.80	29.90	46.17	-16.27	AVG
5	7.7060	22.83	9.58	32.41	50.00	-17.59	AVG
6	21.7180	34.91	9.68	44.59	60.00	-15.41	peak

Plot of Conducted Emissions Test Data

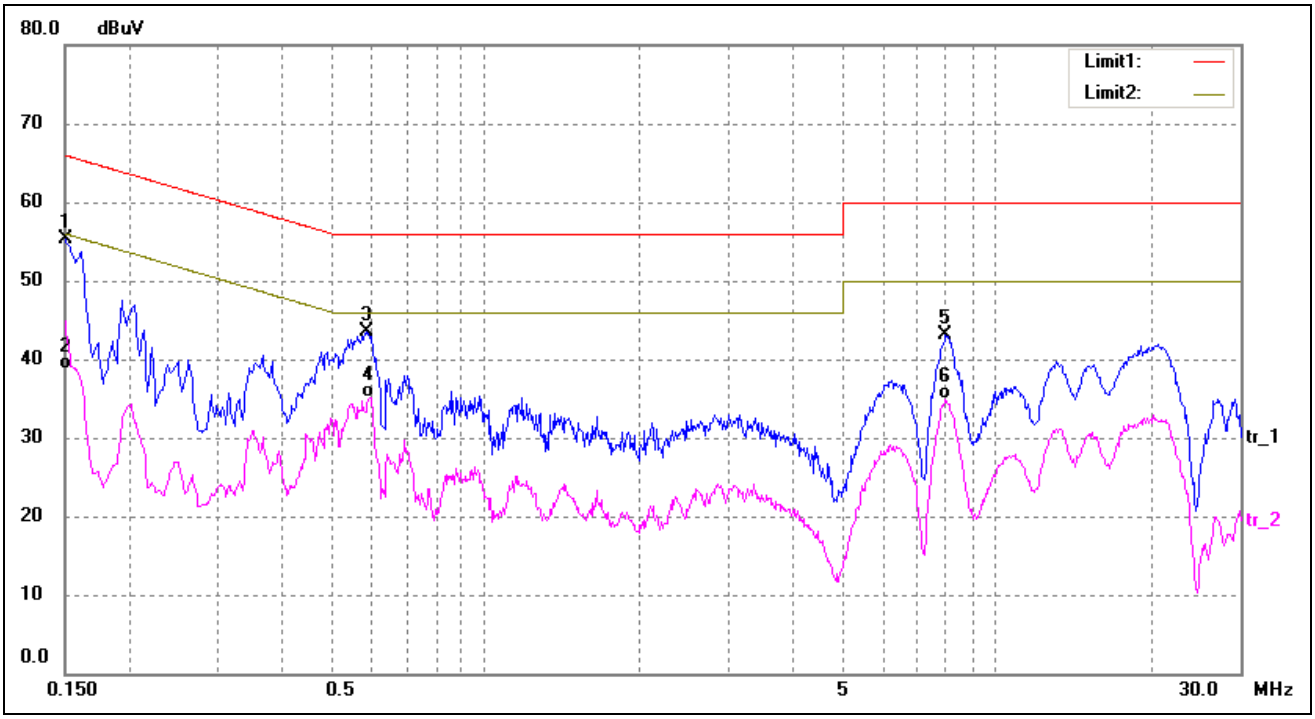
EUT: *AC/DC Power supply*

Tested Model: *FCS40US24*

Operating Condition: *Input: 115VAC*

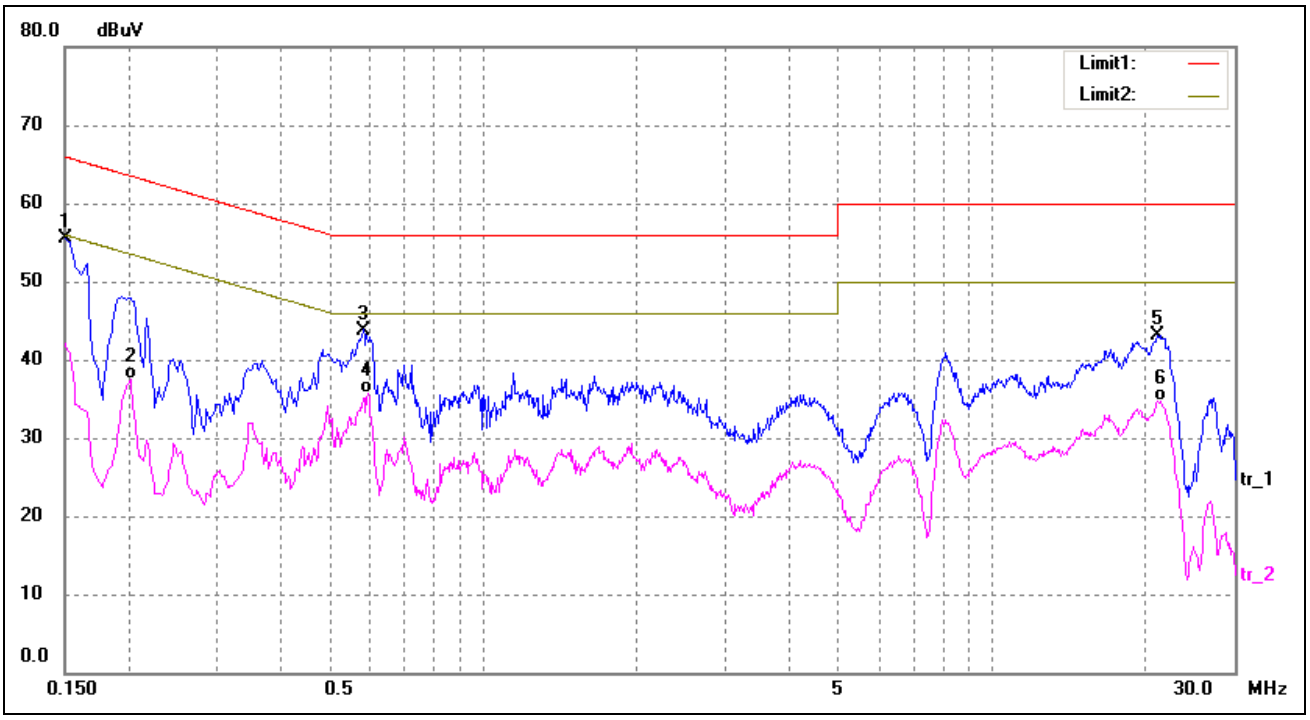
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1500	45.53	9.85	55.38	66.00	-10.62	peak
2	0.1500	28.79	9.85	38.64	56.00	-17.36	AVG
3	0.5860	33.73	9.79	43.52	56.00	-12.48	peak
4	0.5940	25.39	9.79	35.18	46.00	-10.82	AVG
5	7.9540	33.46	9.58	43.04	60.00	-16.96	peak
6	7.9540	25.23	9.58	34.81	50.00	-15.19	AVG

Test Specification: *Line*

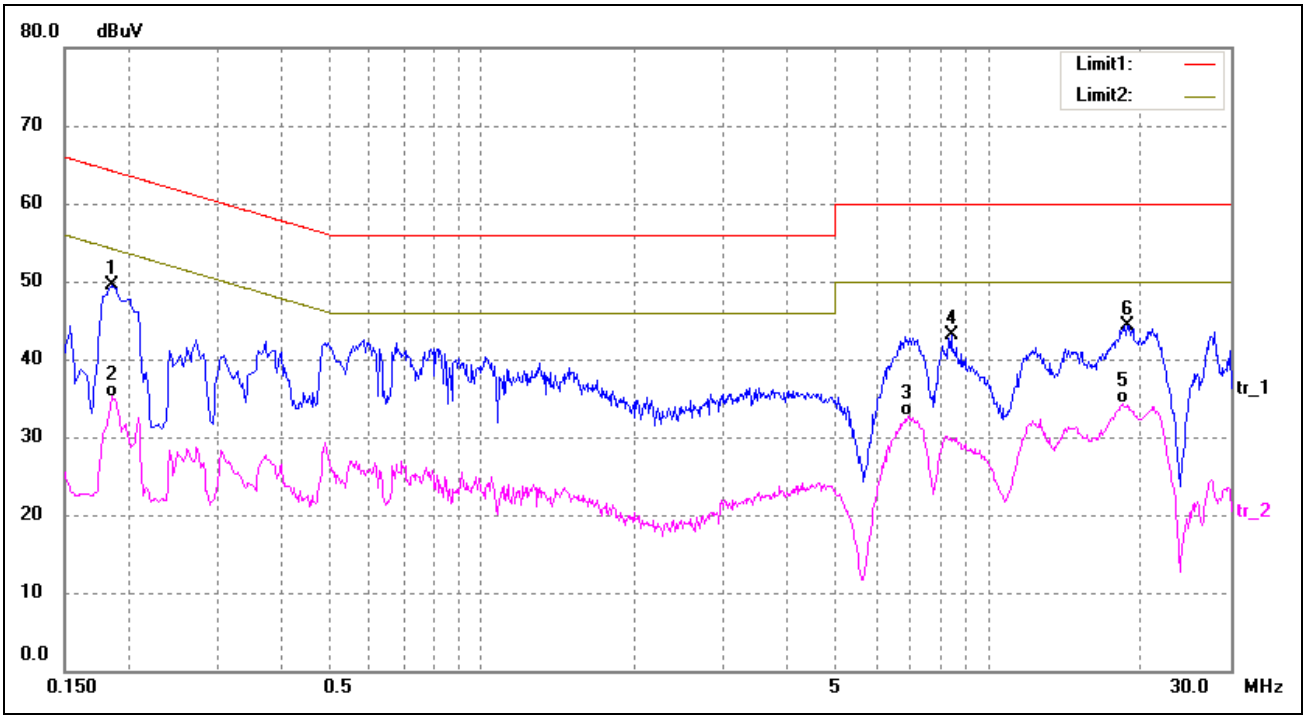


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1500	45.70	9.85	55.55	66.00	-10.45	peak
2	0.2020	27.68	9.80	37.48	53.53	-16.05	AVG
3	0.5820	34.01	9.79	43.80	56.00	-12.20	peak
4*	0.5940	25.96	9.79	35.75	46.00	-10.25	AVG
5	21.2220	33.41	9.68	43.09	60.00	-16.91	peak
6	21.5340	25.12	9.68	34.80	50.00	-15.20	AVG

Plot of Conducted Emissions Test Data

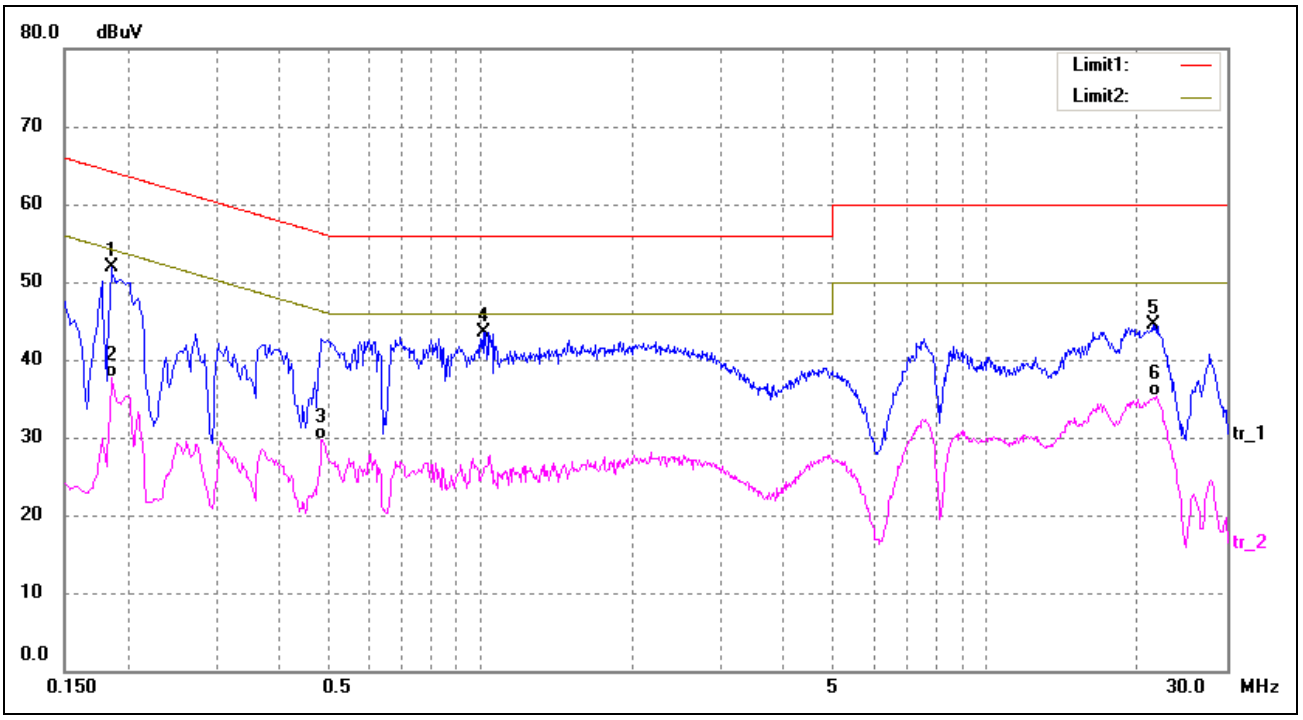
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1860	39.70	9.81	49.51	64.21	-14.70	peak
2	0.1860	25.39	9.81	35.20	54.21	-19.01	AVG
3	6.9460	23.05	9.61	32.66	50.00	-17.34	AVG
4	8.4380	33.52	9.56	43.08	60.00	-16.92	peak
5	18.3380	24.67	9.66	34.33	50.00	-15.67	AVG
6	18.7500	34.71	9.66	44.37	60.00	-15.63	peak

Test Specification: *Line*

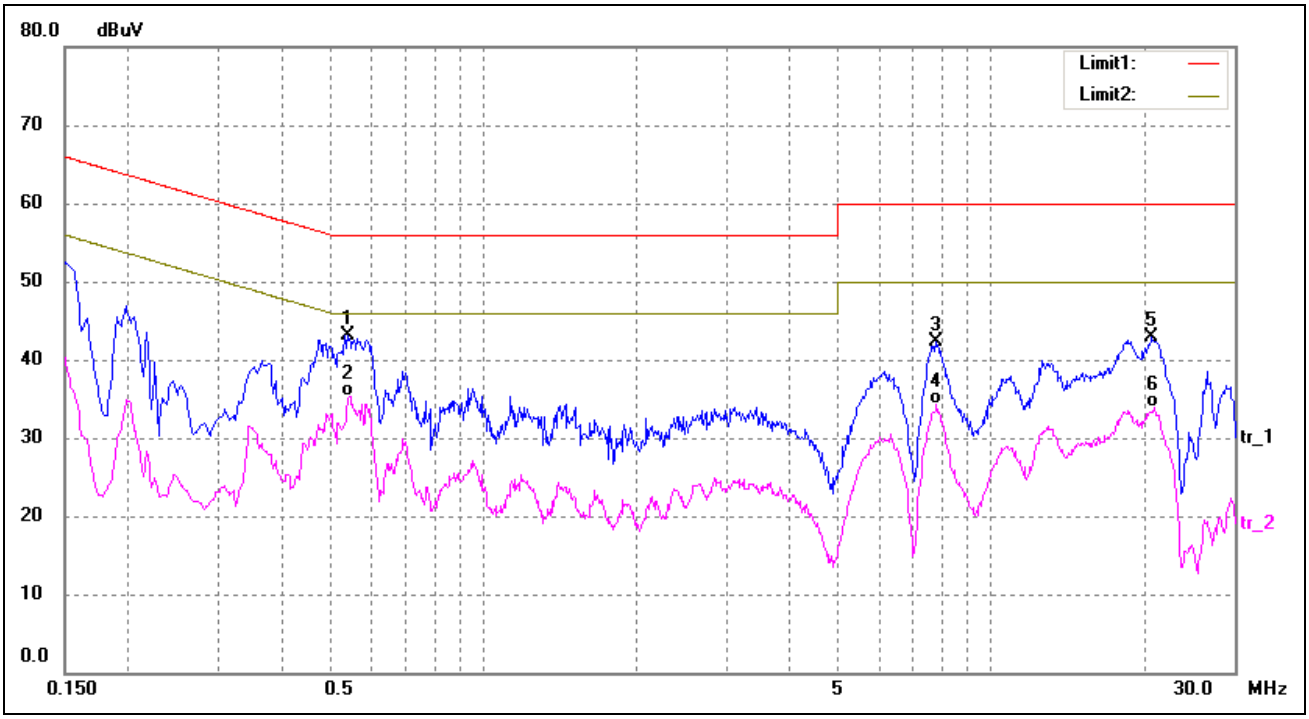


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1860	42.04	9.81	51.85	64.21	-12.36	peak
2	0.1860	27.91	9.81	37.72	54.21	-16.49	AVG
3	0.4860	19.91	9.80	29.71	46.24	-16.53	AVG
4	1.0140	33.76	9.76	43.52	56.00	-12.48	peak
5	21.4780	34.89	9.68	44.57	60.00	-15.43	peak
6	21.7900	25.57	9.68	35.25	50.00	-14.75	AVG

Plot of Conducted Emissions Test Data

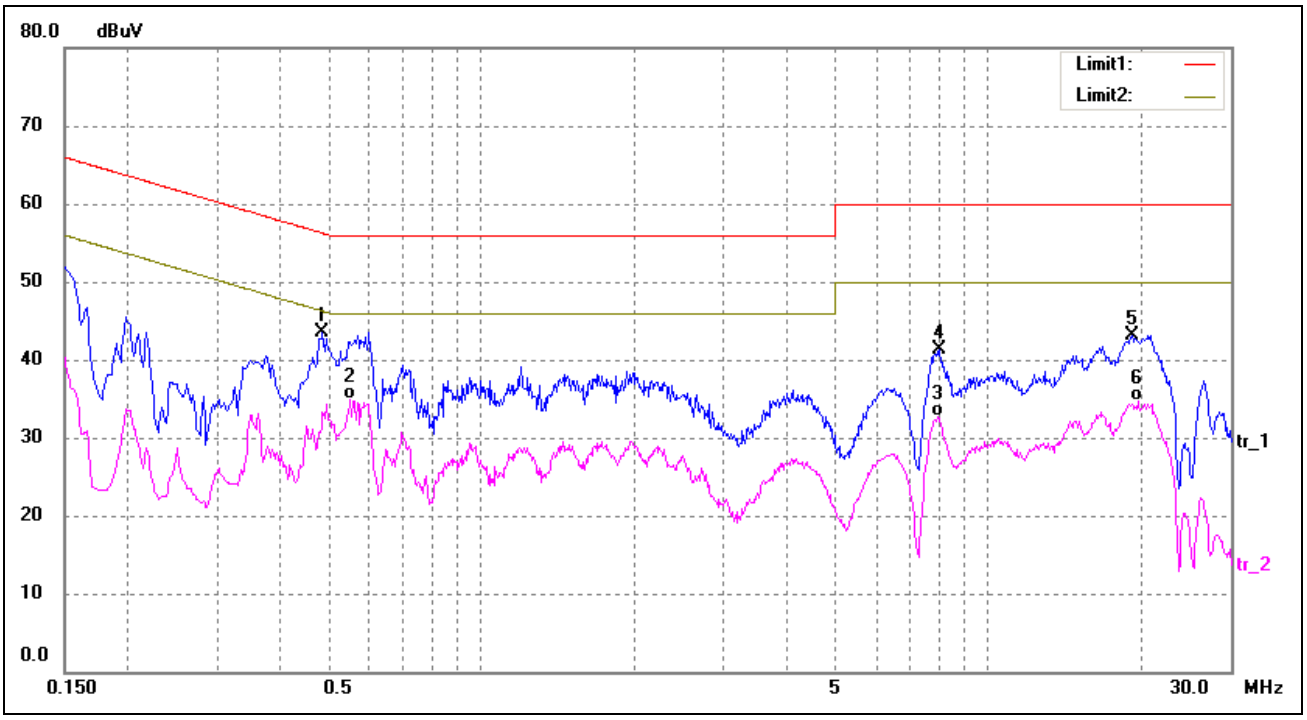
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.5420	33.35	9.80	43.15	56.00	-12.85	peak
2*	0.5460	25.51	9.80	35.31	46.00	-10.69	AVG
3	7.7660	32.70	9.58	42.28	60.00	-17.72	peak
4	7.7740	24.64	9.58	34.22	50.00	-15.78	AVG
5	20.6100	33.27	9.68	42.95	60.00	-17.05	peak
6	20.8340	24.20	9.68	33.88	50.00	-16.12	AVG

Test Specification: *Line*

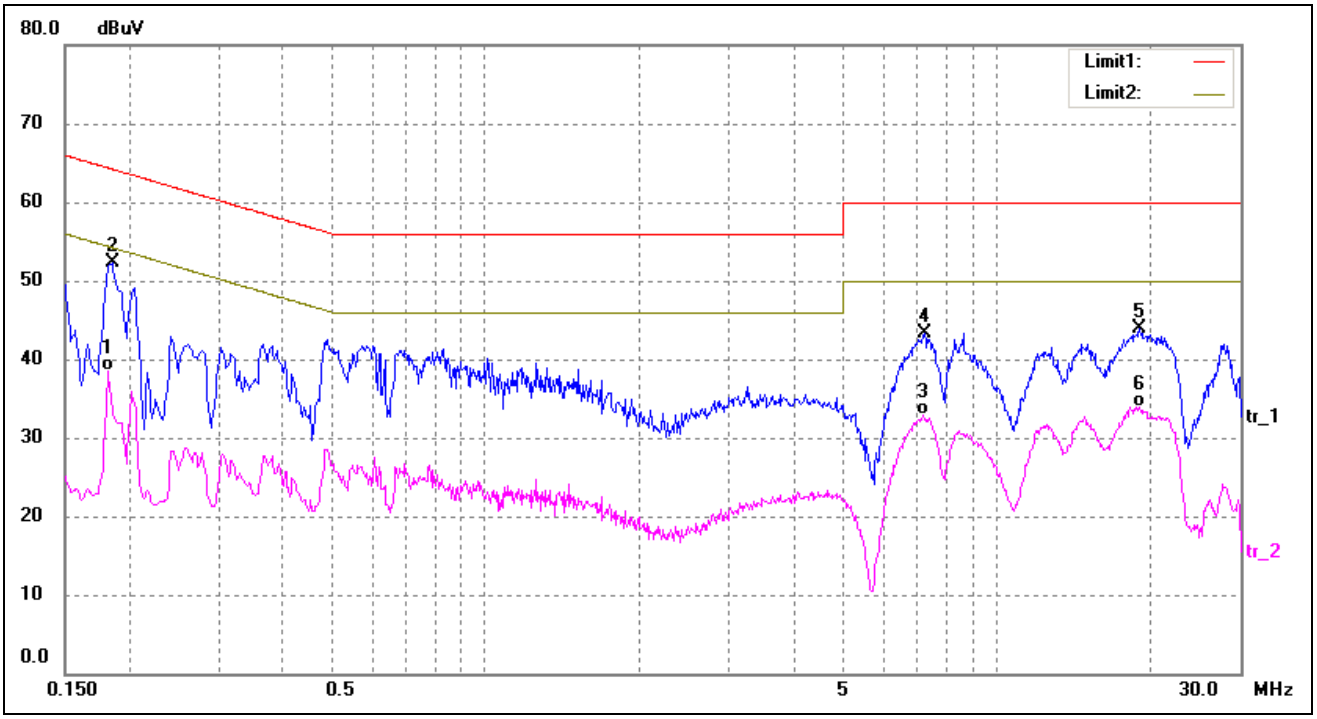


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.4860	33.65	9.80	43.45	56.24	-12.79	peak
2*	0.5500	25.05	9.80	34.85	46.00	-11.15	AVG
3	7.8940	23.06	9.58	32.64	50.00	-17.36	AVG
4	7.9860	31.69	9.58	41.27	60.00	-18.73	peak
5	19.1820	33.47	9.67	43.14	60.00	-16.86	peak
6	19.7300	24.99	9.68	34.67	50.00	-15.33	AVG

Plot of Conducted Emissions Test Data

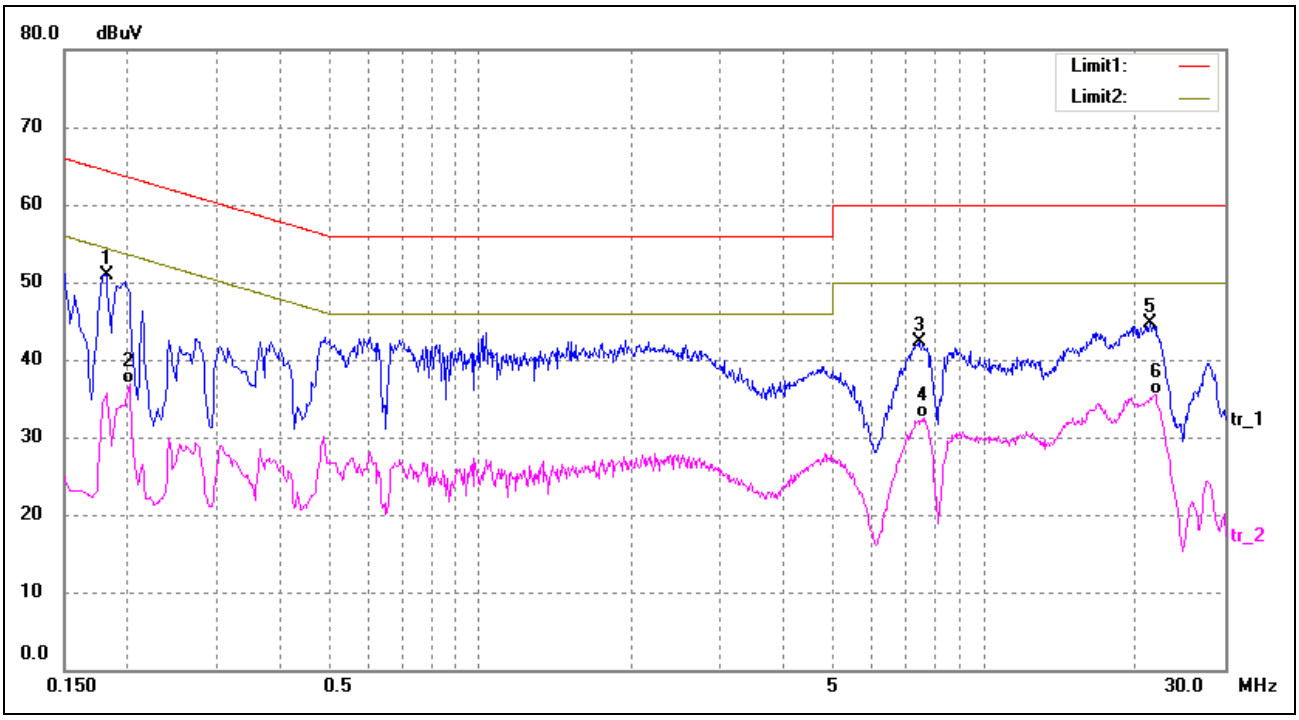
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1820	28.67	9.82	38.49	54.39	-15.90	AVG
2*	0.1860	42.44	9.81	52.25	64.21	-11.96	peak
3	7.1940	23.34	9.60	32.94	50.00	-17.06	AVG
4	7.2220	33.79	9.60	43.39	60.00	-16.61	peak
5	19.0500	34.21	9.67	43.88	60.00	-16.12	peak
6	19.0500	24.18	9.67	33.85	50.00	-16.15	AVG

Test Specification: *Line*

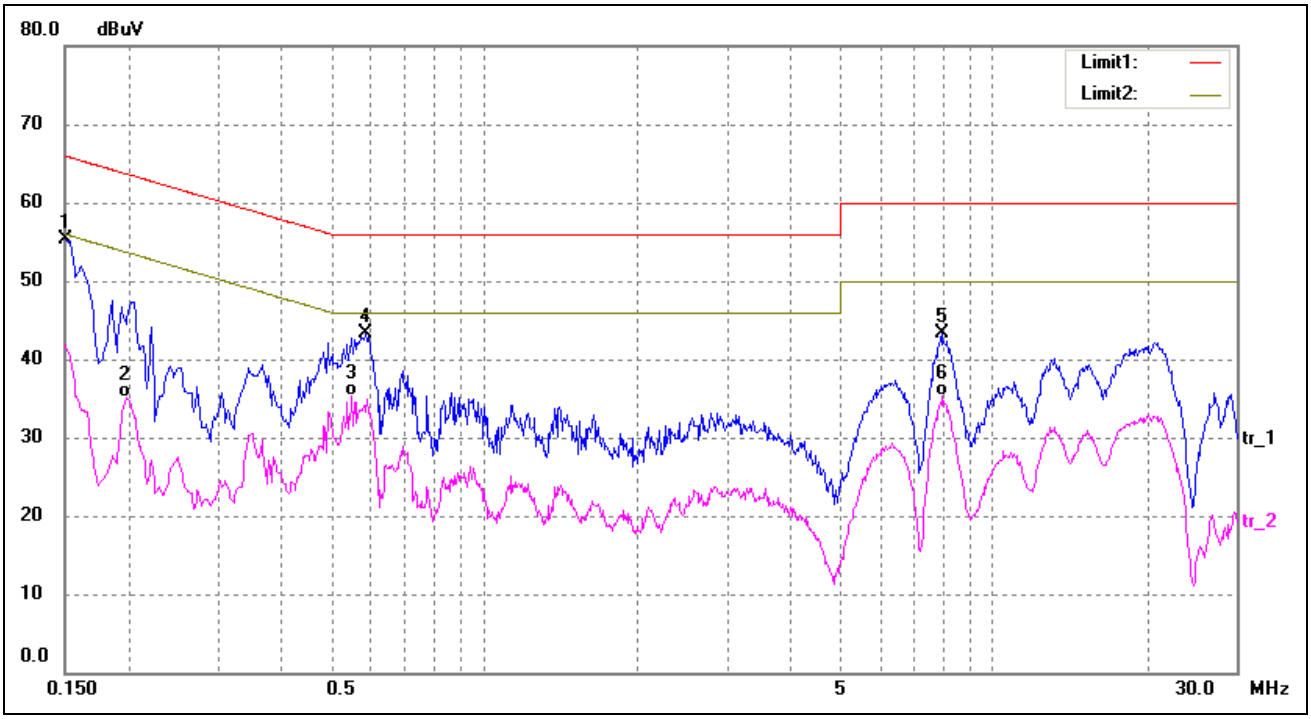


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1820	41.09	9.82	50.91	64.39	-13.48	peak
2	0.2020	27.17	9.80	36.97	53.53	-16.56	AVG
3	7.4300	32.62	9.59	42.21	60.00	-17.79	peak
4	7.5860	22.86	9.59	32.45	50.00	-17.55	AVG
5	21.3220	35.11	9.68	44.79	60.00	-15.21	peak
6	21.8780	25.85	9.68	35.53	50.00	-14.47	AVG

Plot of Conducted Emissions Test Data

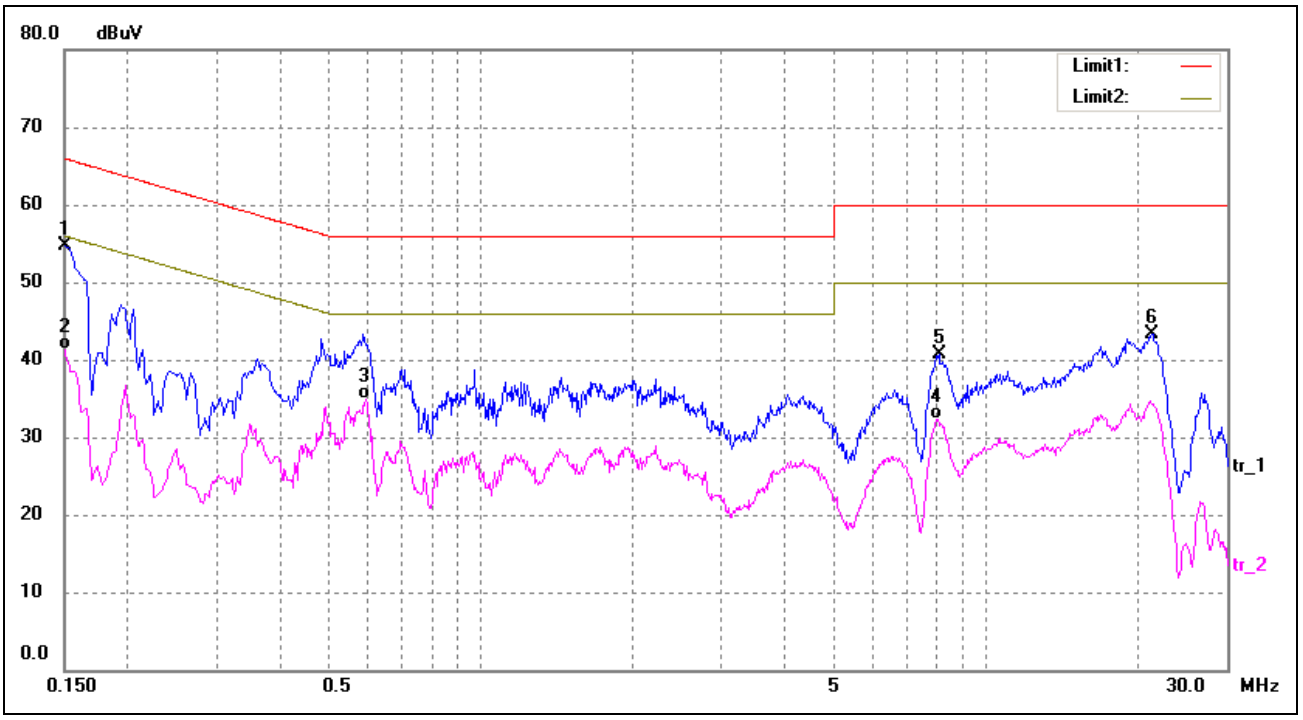
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1500	45.47	9.85	55.32	66.00	-10.68	peak
2	0.1980	25.35	9.80	35.15	53.69	-18.54	AVG
3*	0.5500	25.56	9.80	35.36	46.00	-10.64	AVG
4	0.5860	33.47	9.79	43.26	56.00	-12.74	peak
5	7.9340	33.67	9.58	43.25	60.00	-16.75	peak
6	7.9740	25.72	9.58	35.30	50.00	-14.70	AVG

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1500	44.88	9.85	54.73	66.00	-11.27	peak
2	0.1500	31.45	9.85	41.30	56.00	-14.70	AVG
3*	0.5940	25.08	9.79	34.87	46.00	-11.13	AVG
4	7.9940	22.75	9.58	32.33	50.00	-17.67	AVG
5	8.0900	31.13	9.57	40.70	60.00	-19.30	peak
6	21.3420	33.68	9.68	43.36	60.00	-16.64	peak

Plot of Conducted Emissions Test Data

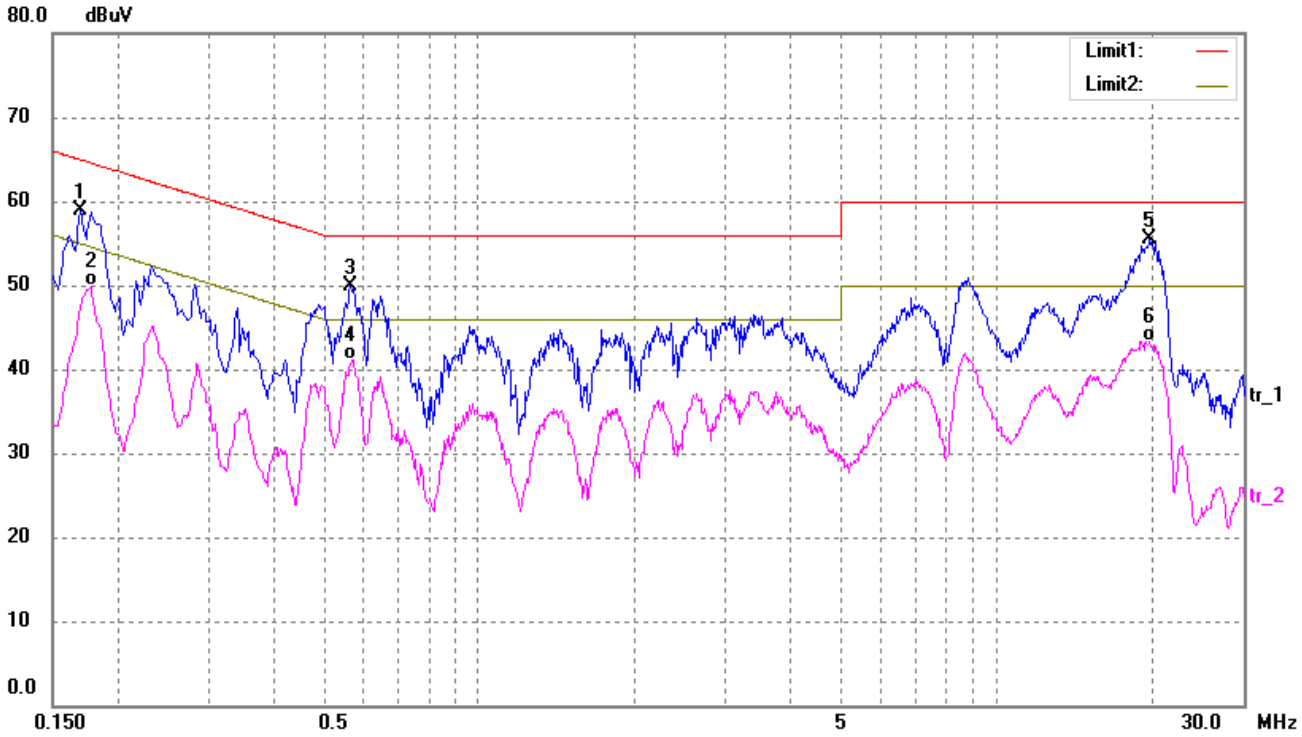
EUT: *AC/DC Power supply*

Tested Model: *FCS40US48*

Operating Condition: *Input: 230VAC*

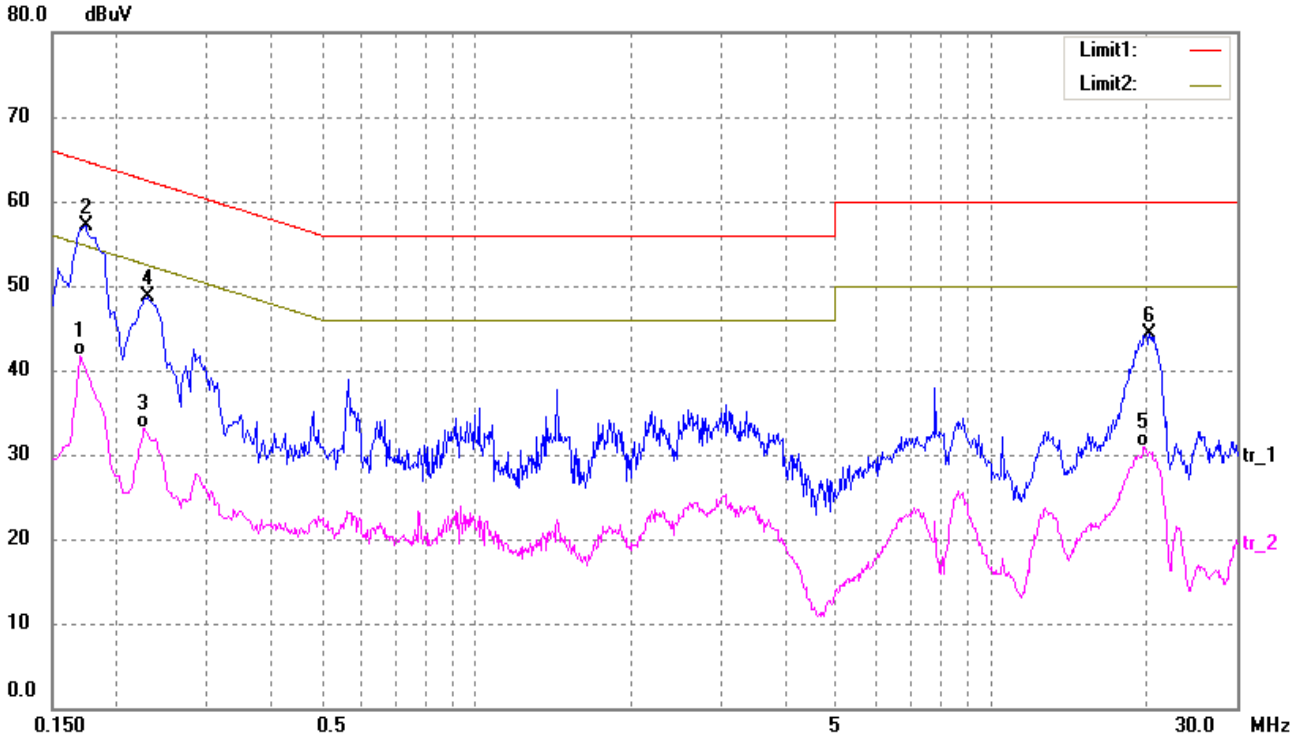
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1700	49.03	9.83	58.86	64.96	-6.10	peak
2	0.1780	40.01	9.82	49.83	54.57	-4.74	AVG
3	0.5660	40.13	9.79	49.92	56.00	-6.08	peak
4	0.5700	31.22	9.79	41.01	46.00	-4.99	AVG
5*	19.7900	45.88	9.68	55.56	60.00	-4.44	peak
6	19.7900	33.69	9.68	43.37	50.00	-6.63	AVG

Test Specification: *Line*

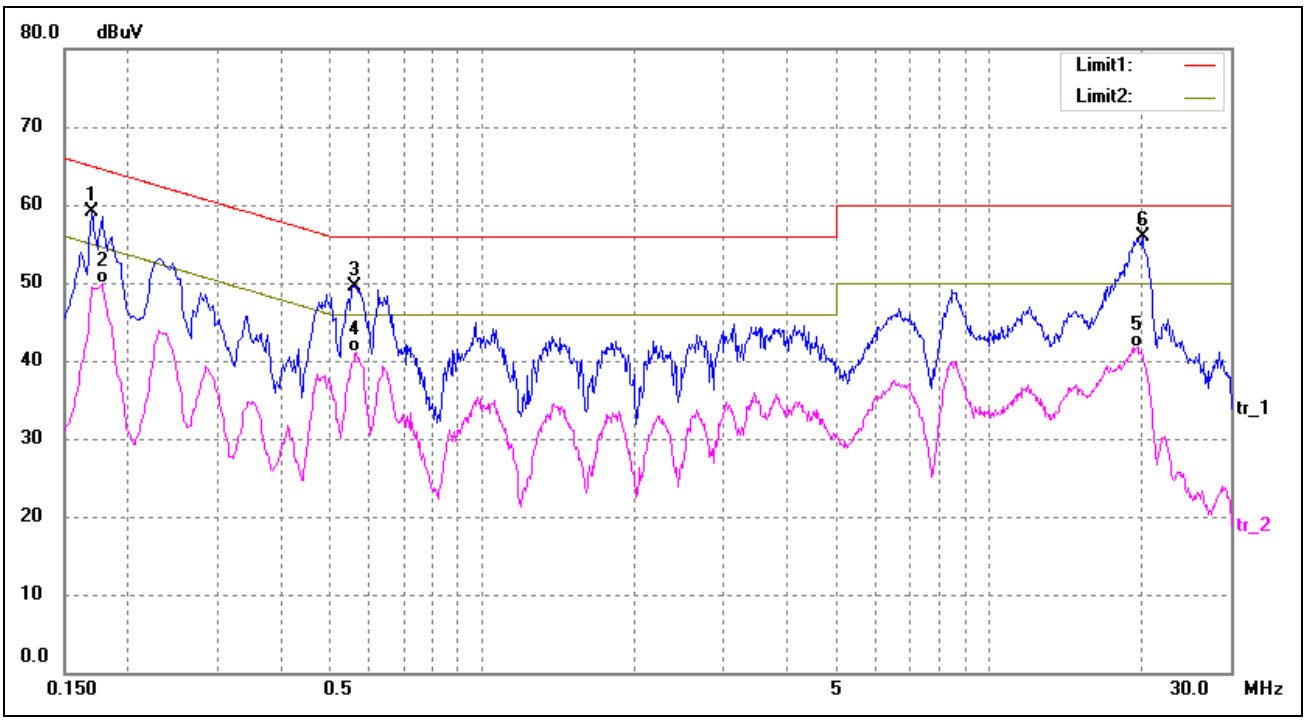


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1700	31.85	9.83	41.68	54.96	-13.28	AVG
2*	0.1740	47.30	9.83	57.13	64.77	-7.64	peak
3	0.2260	23.37	9.80	33.17	52.60	-19.43	AVG
4	0.2300	38.95	9.80	48.75	62.45	-13.70	peak
5	19.7740	21.27	9.68	30.95	50.00	-19.05	AVG
6	20.3540	34.66	9.68	44.34	60.00	-15.66	peak

Plot of Conducted Emissions Test Data

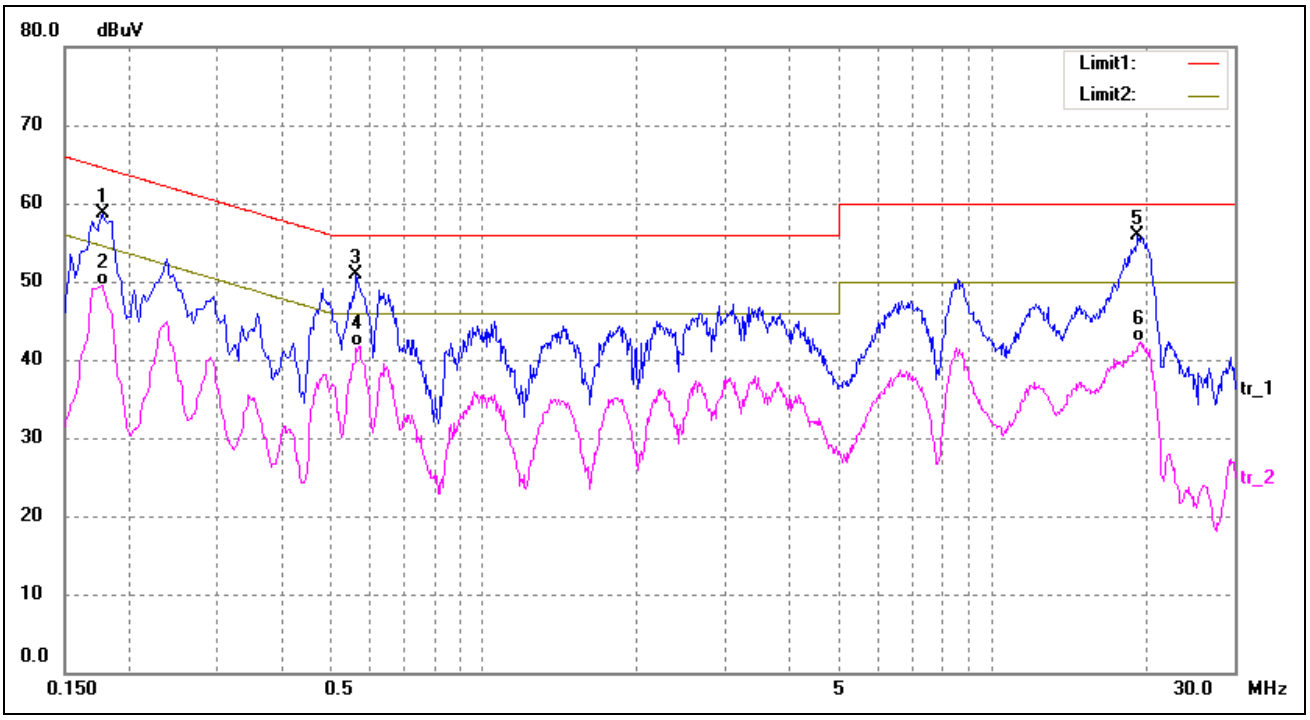
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1700	49.18	9.83	59.01	64.96	-5.95	peak
2	0.1780	40.09	9.82	49.91	54.58	-4.67	AVG
3	0.5620	39.74	9.80	49.54	56.00	-6.46	peak
4	0.5660	31.41	9.79	41.20	46.00	-4.80	AVG
5	19.6540	32.01	9.67	41.68	50.00	-8.32	AVG
6*	20.0580	46.19	9.68	55.87	60.00	-4.13	peak

Test Specification: *Line*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	48.93	9.82	58.75	64.58	-5.83	peak
2	0.1780	39.76	9.82	49.58	54.58	-5.00	AVG
3	0.5620	41.12	9.80	50.92	56.00	-5.08	peak
4	0.5700	31.97	9.79	41.76	46.00	-4.24	AVG
5*	19.3420	46.30	9.67	55.97	60.00	-4.03	peak
6	19.6020	32.65	9.67	42.32	50.00	-7.68	AVG

Plot of Conducted Emissions Test Data

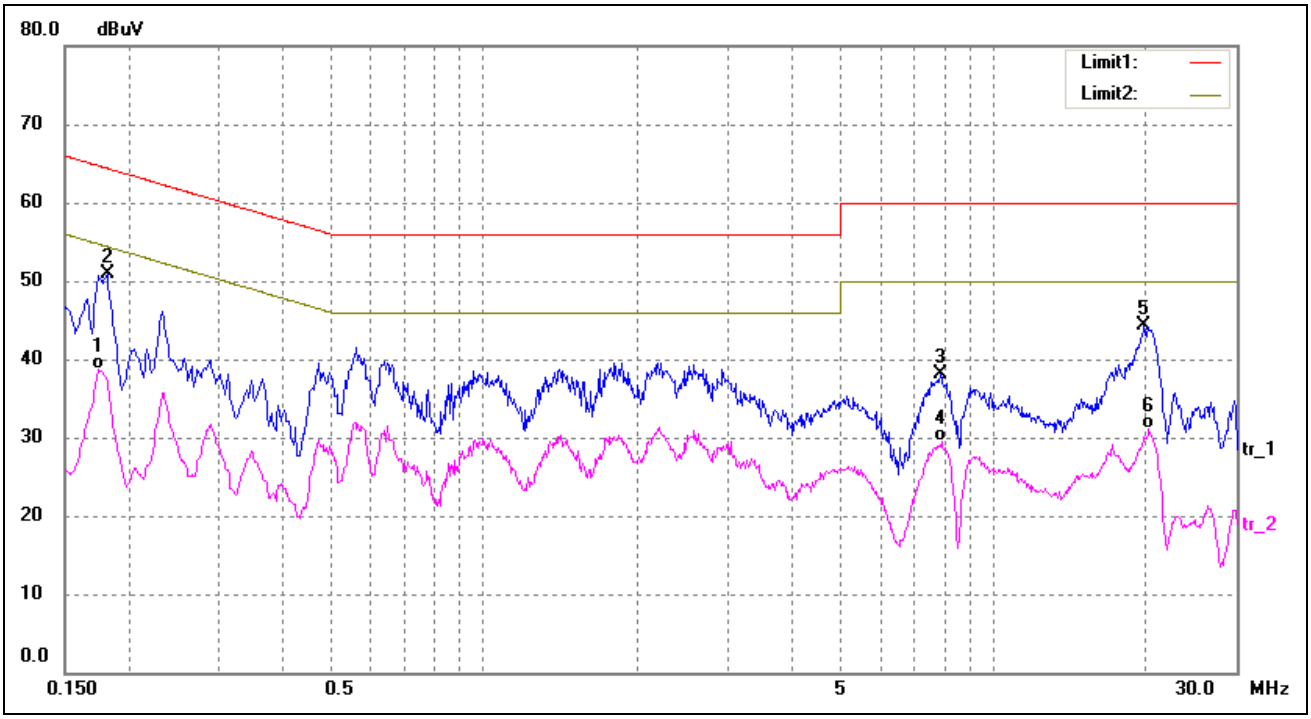
EUT: *AC/DC Power supply*

Tested Model: *FCS40US48*

Operating Condition: *Input: 230VAC*

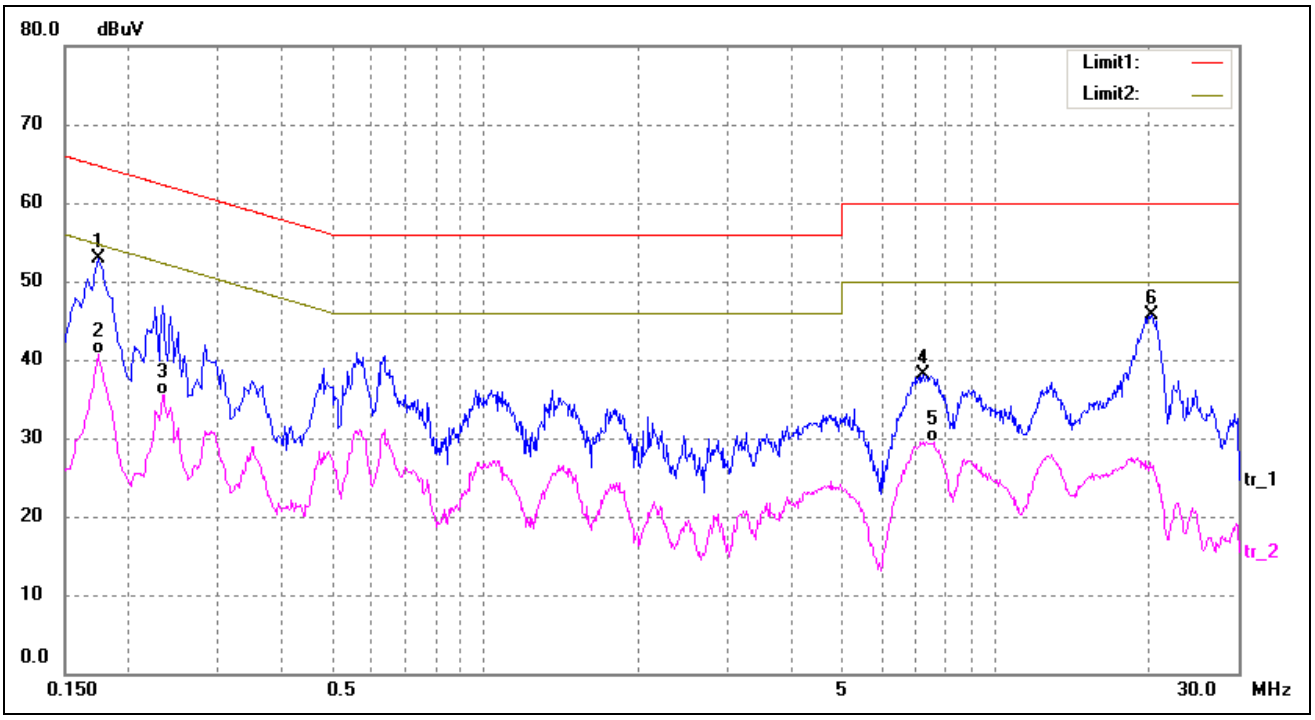
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1740	28.88	9.83	38.71	54.77	-16.06	AVG
2*	0.1820	40.99	9.82	50.81	64.39	-13.58	peak
3	7.8780	28.46	9.58	38.04	60.00	-21.96	peak
4	7.9140	19.91	9.58	29.49	50.00	-20.51	AVG
5	19.8420	34.67	9.68	44.35	60.00	-15.65	peak
6	20.2220	21.47	9.68	31.15	50.00	-18.85	AVG

Test Specification: *Line*

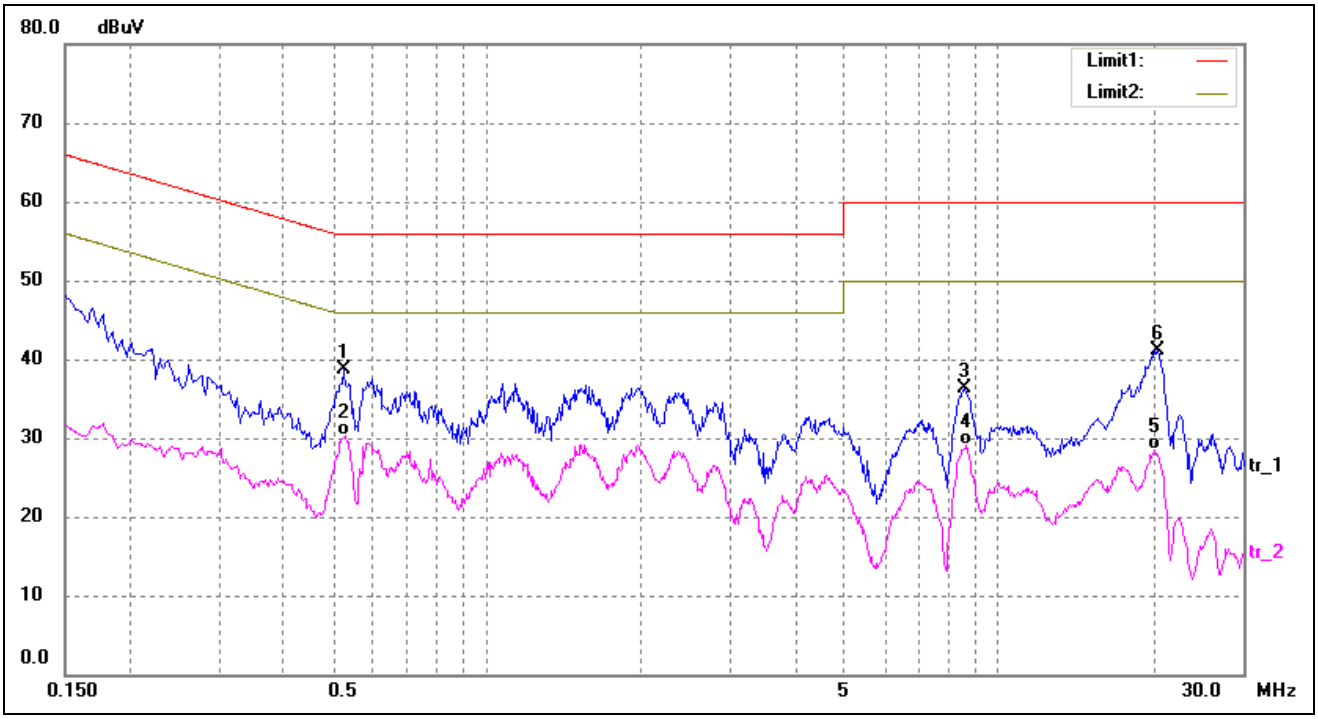


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1740	43.16	9.83	52.99	64.77	-11.78	peak
2	0.1740	30.91	9.83	40.74	54.77	-14.03	AVG
3	0.2340	25.68	9.80	35.48	52.31	-16.83	AVG
4	7.2500	28.49	9.60	38.09	60.00	-21.91	peak
5	7.5700	19.97	9.59	29.56	50.00	-20.44	AVG
6	20.3300	36.00	9.68	45.68	60.00	-14.32	peak

Plot of Conducted Emissions Test Data

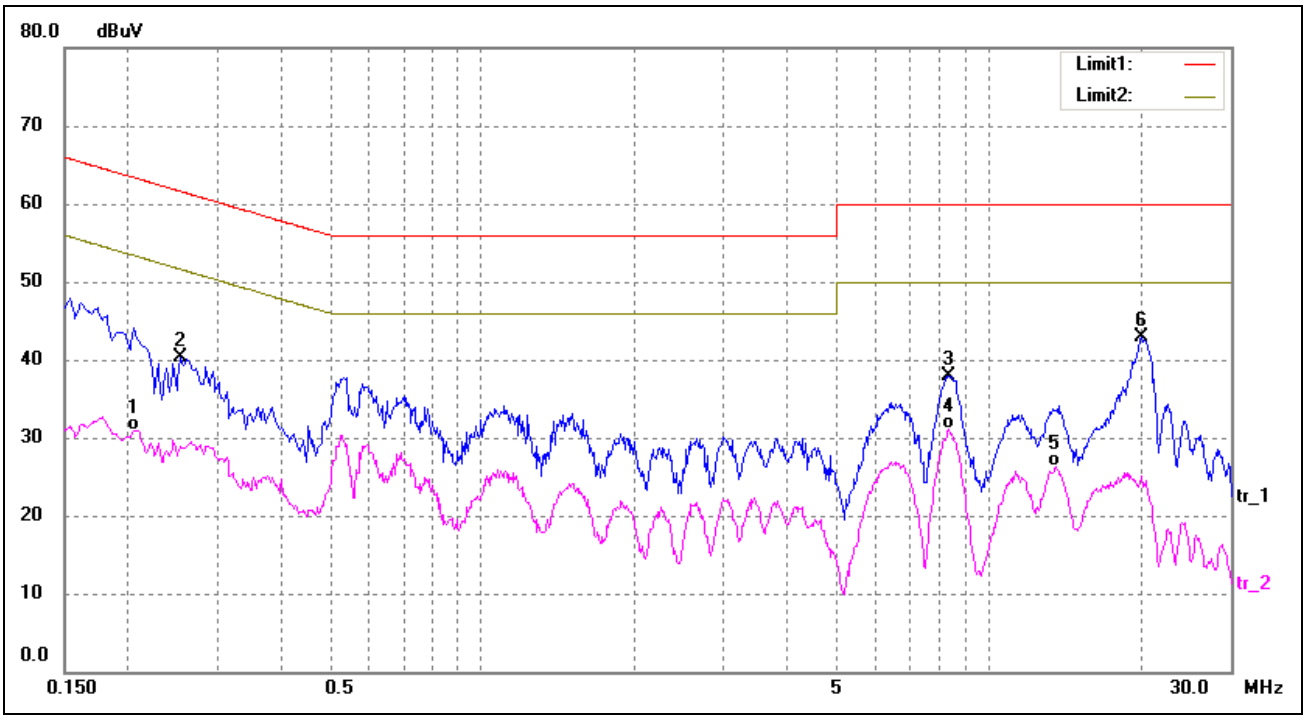
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.5260	28.98	9.80	38.78	56.00	-17.22	peak
2*	0.5300	20.43	9.80	30.23	46.00	-15.77	AVG
3	8.5860	26.69	9.56	36.25	60.00	-23.75	peak
4	8.6620	19.51	9.56	29.07	50.00	-20.93	AVG
5	20.2140	18.82	9.68	28.50	50.00	-21.50	AVG
6	20.4780	31.42	9.68	41.10	60.00	-18.90	peak

Test Specification: *Line*

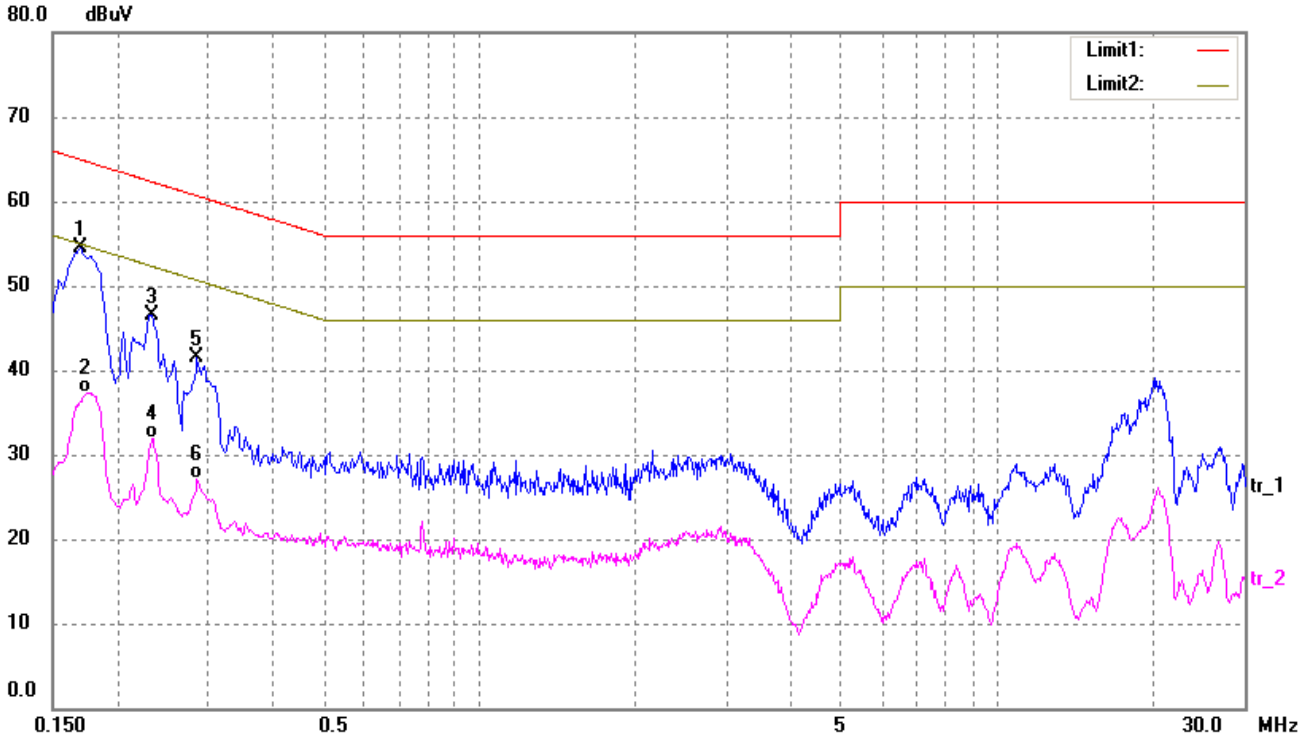


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.2060	21.13	9.80	30.93	53.37	-22.44	AVG
2	0.2540	30.43	9.80	40.23	61.63	-21.40	peak
3	8.3580	28.29	9.57	37.86	60.00	-22.14	peak
4	8.3580	21.54	9.57	31.11	50.00	-18.89	AVG
5	13.5820	16.71	9.58	26.29	50.00	-23.71	AVG
6*	19.9980	33.18	9.68	42.86	60.00	-17.14	peak

Plot of Conducted Emissions Test Data

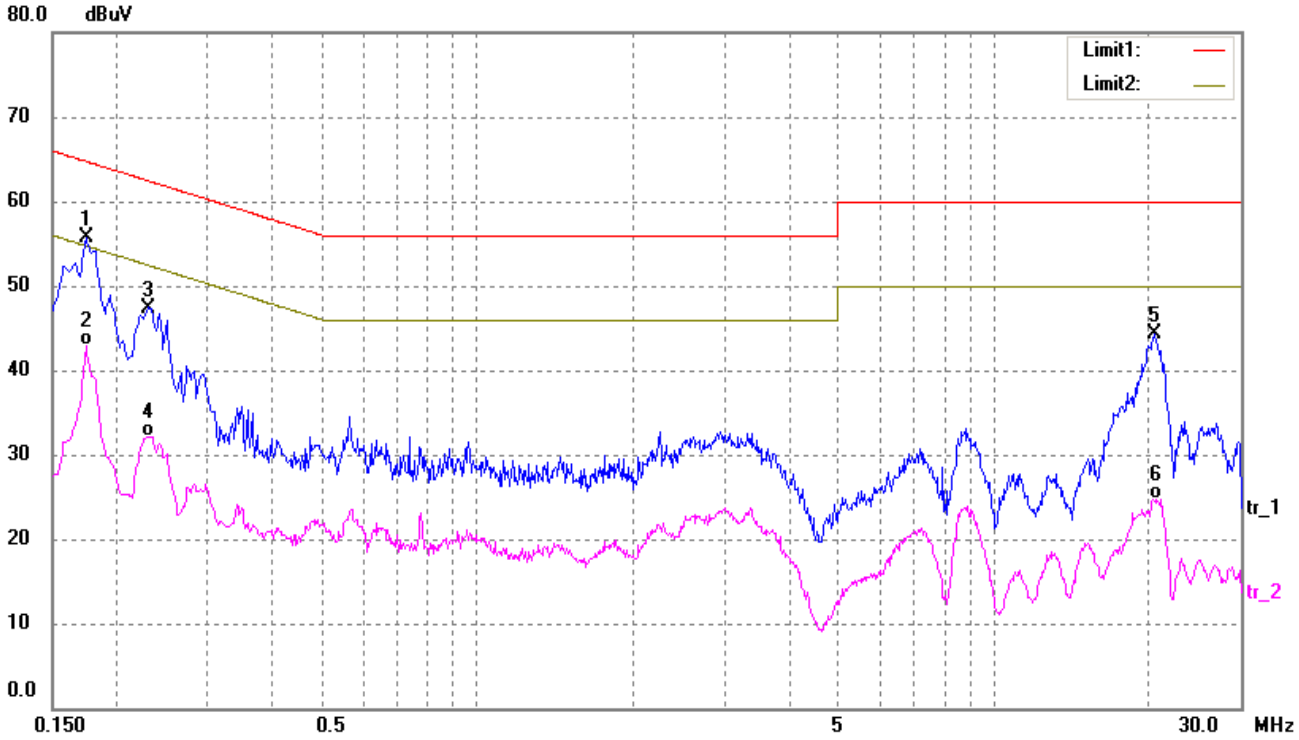
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1700	44.58	9.83	54.41	64.96	-10.55	peak
2	0.1740	27.46	9.83	37.29	54.77	-17.48	AVG
3	0.2340	36.76	9.80	46.56	62.31	-15.75	peak
4	0.2340	22.06	9.80	31.86	52.31	-20.45	AVG
5	0.2860	31.66	9.80	41.46	60.64	-19.18	peak
6	0.2860	17.24	9.80	27.04	50.64	-23.60	AVG

Test Specification: *Line*

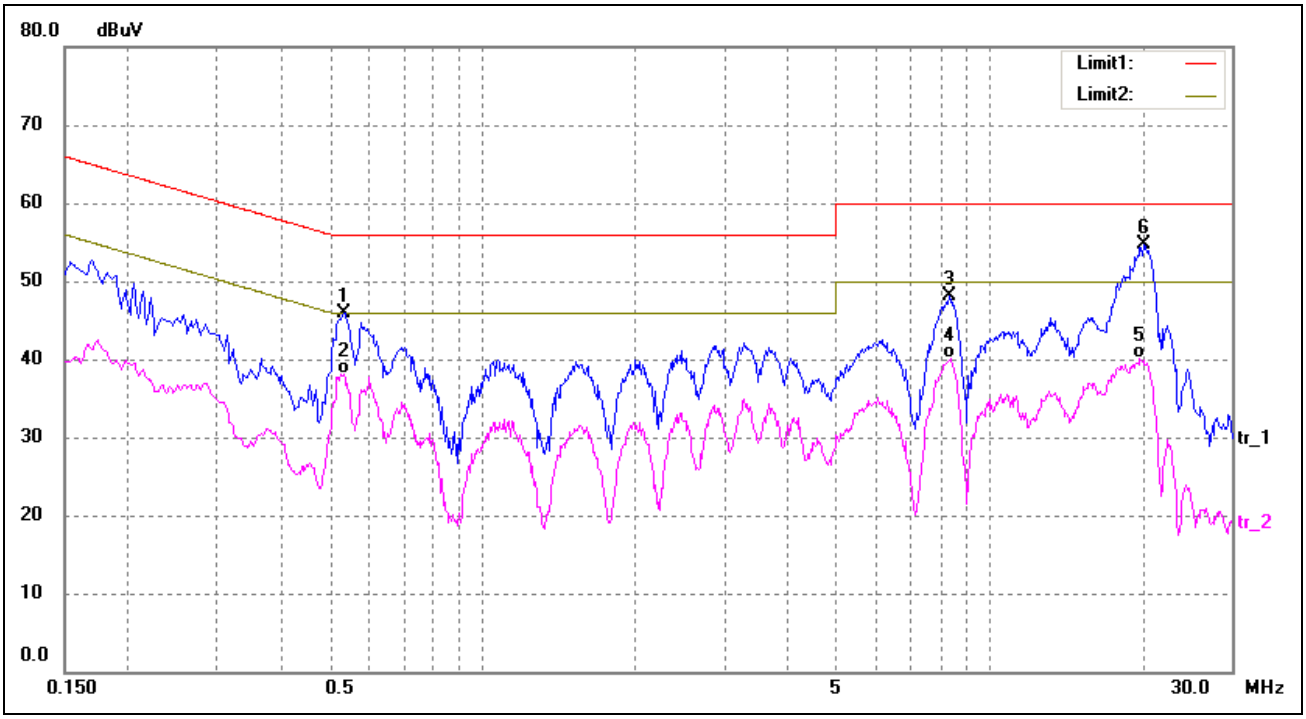


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1740	45.89	9.83	55.72	64.77	-9.05	peak
2	0.1740	32.98	9.83	42.81	54.77	-11.96	AVG
3	0.2300	37.60	9.80	47.40	62.45	-15.05	peak
4	0.2300	22.36	9.80	32.16	52.45	-20.29	AVG
5	20.3780	34.62	9.68	44.30	60.00	-15.70	peak
6	20.6740	15.08	9.68	24.76	50.00	-25.24	AVG

Plot of Conducted Emissions Test Data

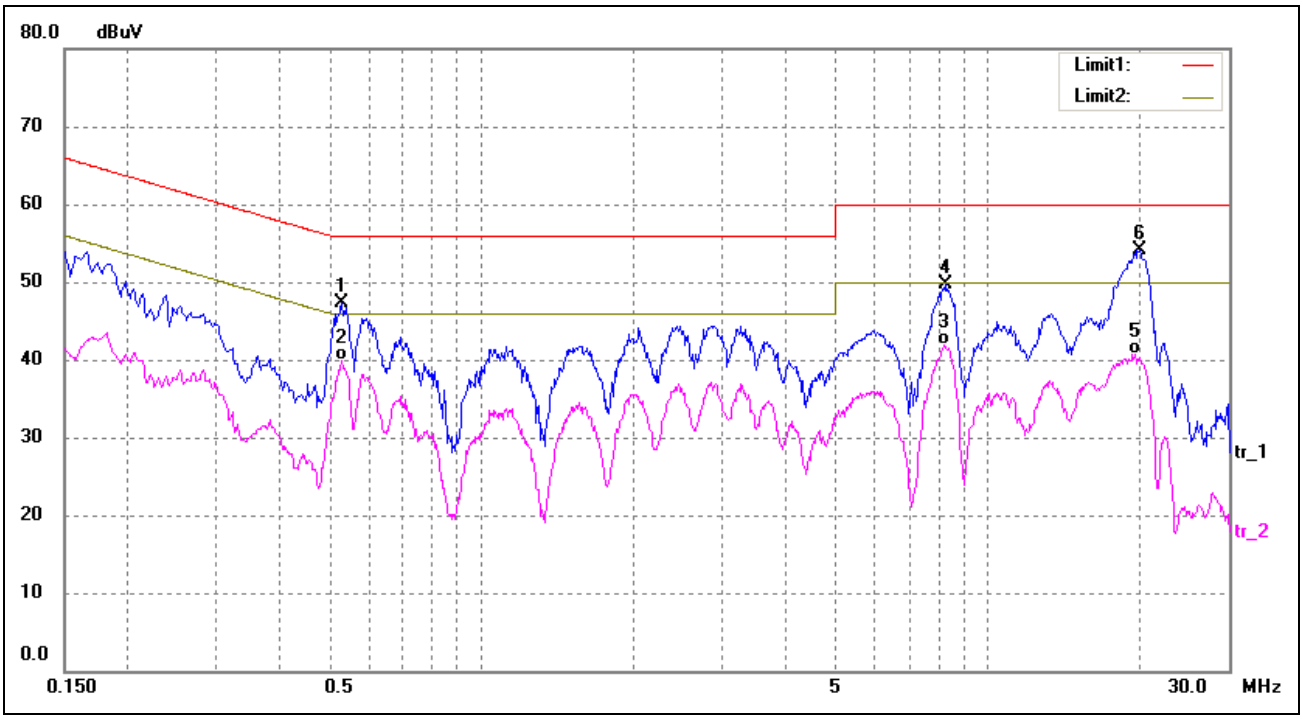
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.5340	36.03	9.80	45.83	56.00	-10.17	peak
2	0.5340	28.33	9.80	38.13	46.00	-7.87	AVG
3	8.3580	38.49	9.57	48.06	60.00	-11.94	peak
4	8.3740	30.47	9.57	40.04	50.00	-9.96	AVG
5	19.7860	30.37	9.68	40.05	50.00	-9.95	AVG
6*	20.0780	44.96	9.68	54.64	60.00	-5.36	peak

Test Specification: *Line*

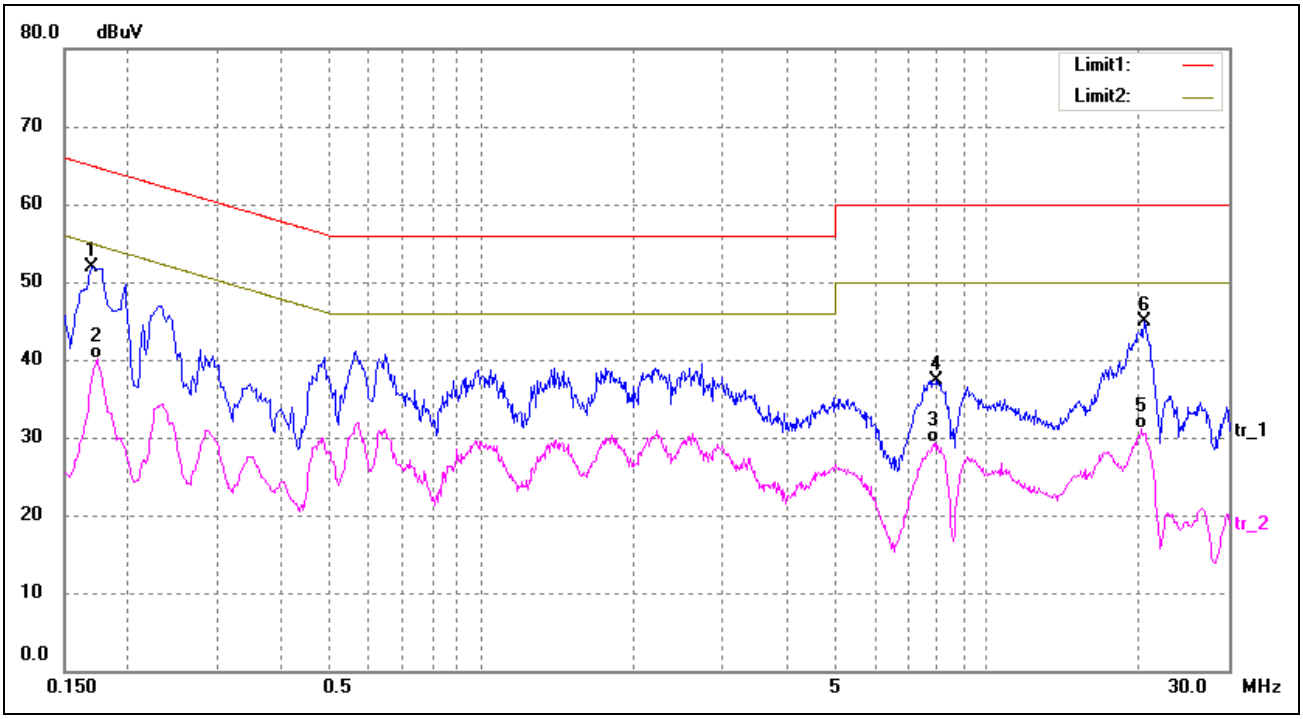


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.5300	37.54	9.80	47.34	56.00	-8.66	peak
2	0.5300	30.05	9.80	39.85	46.00	-6.15	AVG
3	8.2020	32.43	9.57	42.00	50.00	-8.00	AVG
4	8.2940	40.05	9.57	49.62	60.00	-10.38	peak
5	19.5860	31.06	9.67	40.73	50.00	-9.27	AVG
6*	20.0380	44.43	9.68	54.11	60.00	-5.89	peak

Plot of Conducted Emissions Test Data

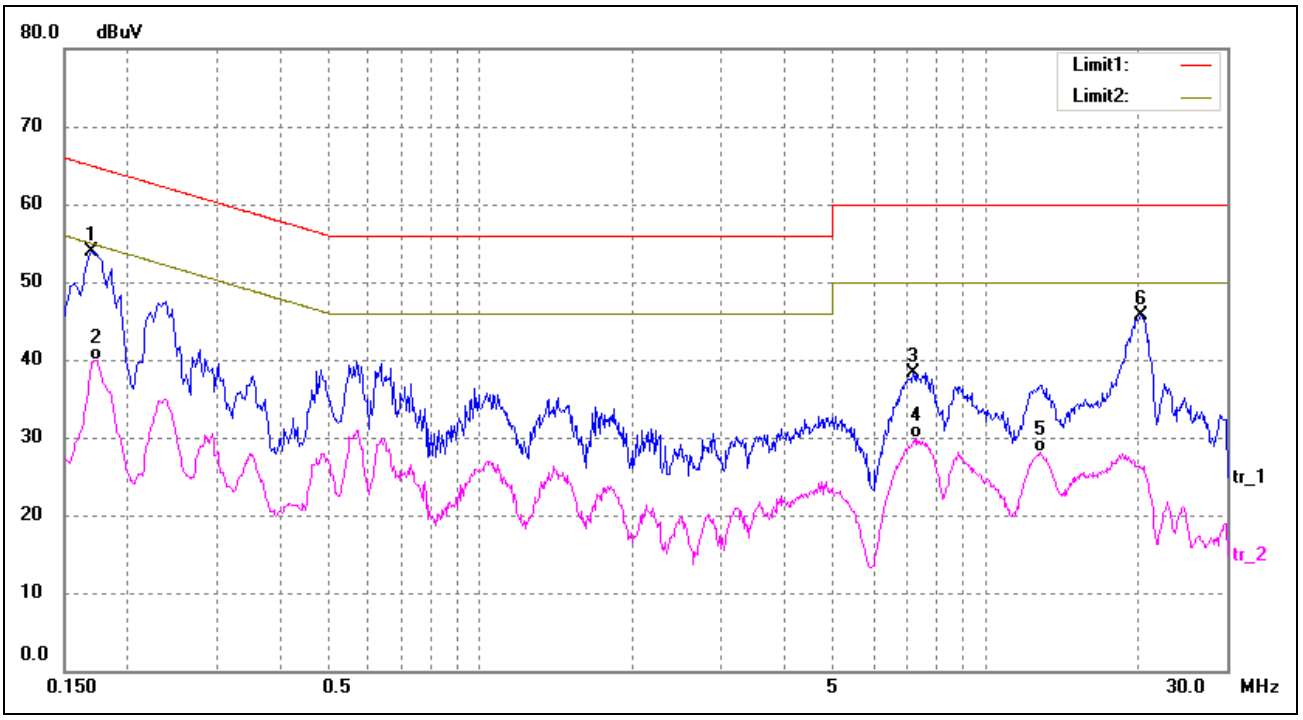
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1700	42.08	9.83	51.91	64.96	-13.05	peak
2	0.1740	30.30	9.83	40.13	54.77	-14.64	AVG
3	7.8580	19.68	9.58	29.26	50.00	-20.74	AVG
4	7.9420	27.73	9.58	37.31	60.00	-22.69	peak
5	20.2180	21.39	9.68	31.07	50.00	-18.93	AVG
6	20.4020	35.17	9.68	44.85	60.00	-15.15	peak

Test Specification: *Line*

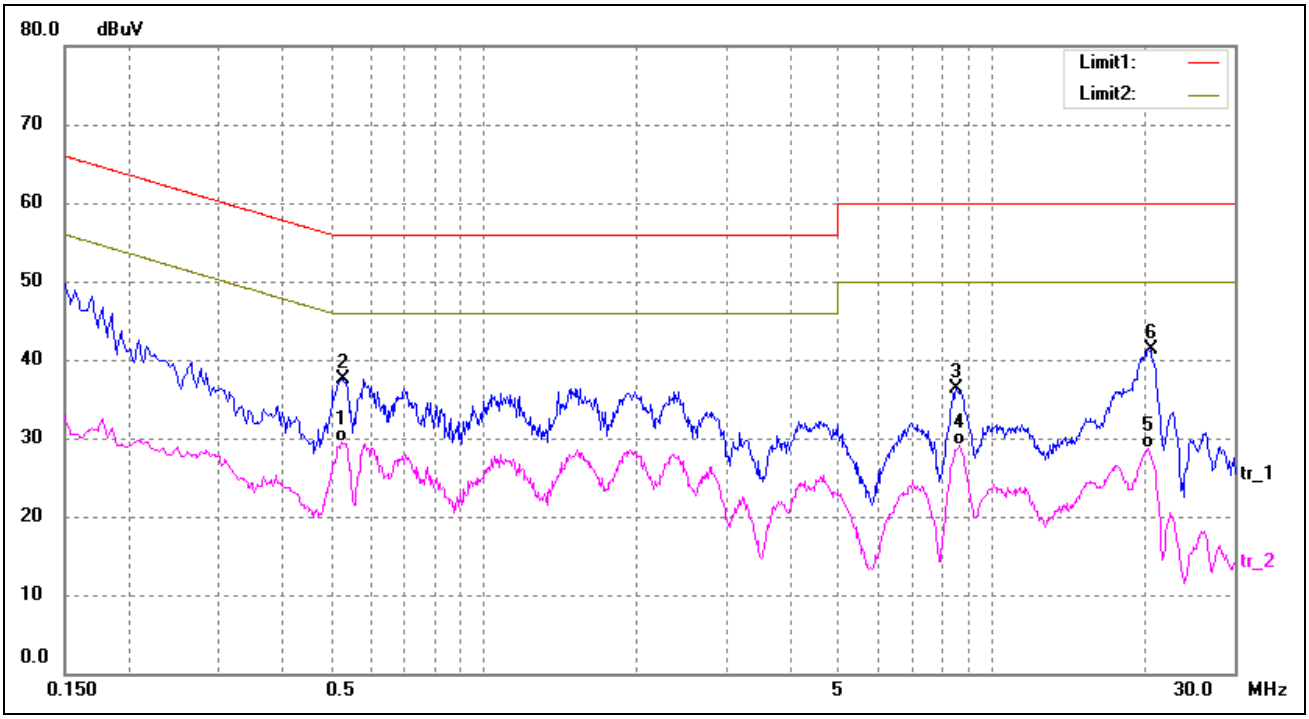


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1700	44.12	9.83	53.95	64.96	-11.01	peak
2	0.1740	30.16	9.83	39.99	54.77	-14.78	AVG
3	7.1980	28.68	9.60	38.28	60.00	-21.72	peak
4	7.3180	20.27	9.60	29.87	50.00	-20.13	AVG
5	12.8420	18.46	9.57	28.03	50.00	-21.97	AVG
6	20.3340	36.02	9.68	45.70	60.00	-14.30	peak

Plot of Conducted Emissions Test Data

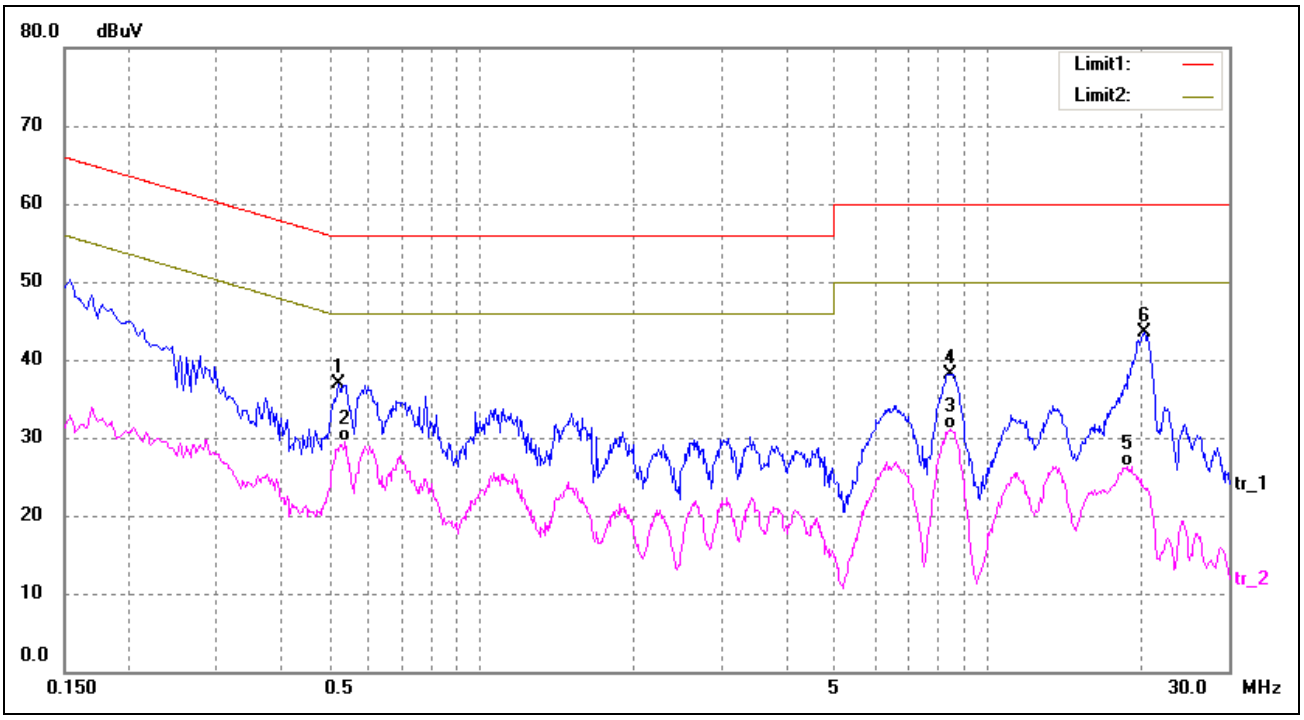
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.5260	19.79	9.80	29.59	46.00	-16.41	AVG
2	0.5300	27.80	9.80	37.60	56.00	-18.40	peak
3	8.5380	26.70	9.56	36.26	60.00	-23.74	peak
4	8.6540	19.49	9.56	29.05	50.00	-20.95	AVG
5	20.2780	19.00	9.68	28.68	50.00	-21.32	AVG
6	20.5620	31.65	9.68	41.33	60.00	-18.67	peak

Test Specification: *Line*

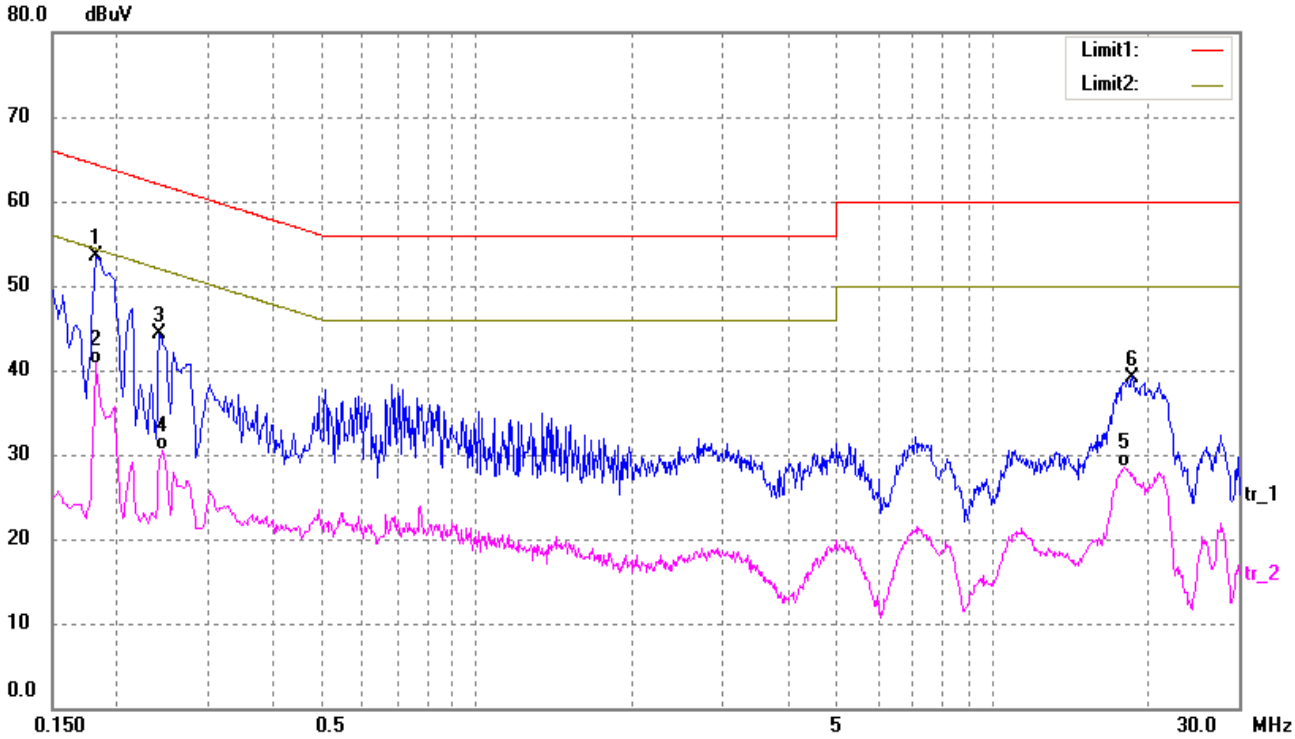


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.5220	27.10	9.80	36.90	56.00	-19.10	peak
2*	0.5380	19.80	9.80	29.60	46.00	-16.40	AVG
3	8.4380	21.50	9.56	31.06	50.00	-18.94	AVG
4	8.4900	28.63	9.56	38.19	60.00	-21.81	peak
5	18.9900	16.71	9.67	26.38	50.00	-23.62	AVG
6	20.4580	33.86	9.68	43.54	60.00	-16.46	peak

Plot of Conducted Emissions Test Data

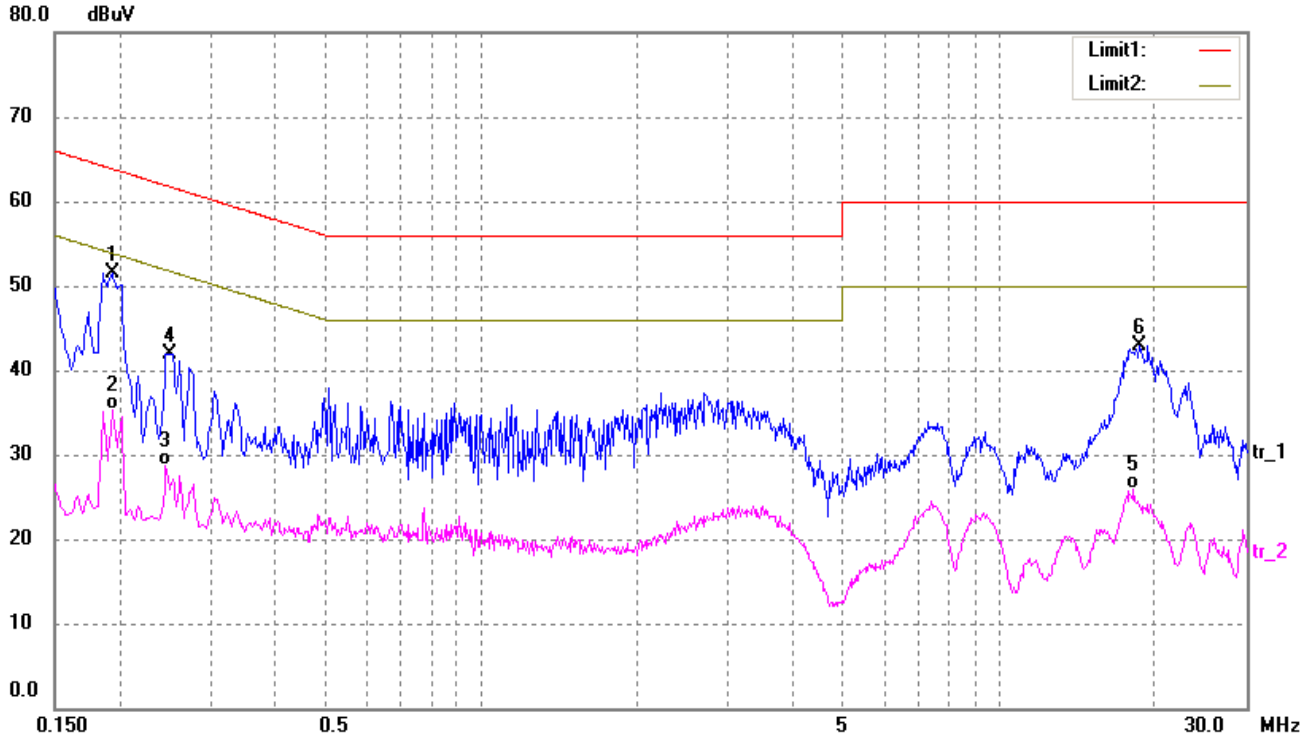
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1820	43.75	9.82	53.57	64.39	-10.82	peak
2	0.1820	30.98	9.82	40.80	54.39	-13.59	AVG
3	0.2420	34.58	9.80	44.38	62.03	-17.65	peak
4	0.2460	20.76	9.80	30.56	51.89	-21.33	AVG
5	18.0380	18.84	9.65	28.49	50.00	-21.51	AVG
6	18.6300	29.54	9.66	39.20	60.00	-20.80	peak

Test Specification: *Line*

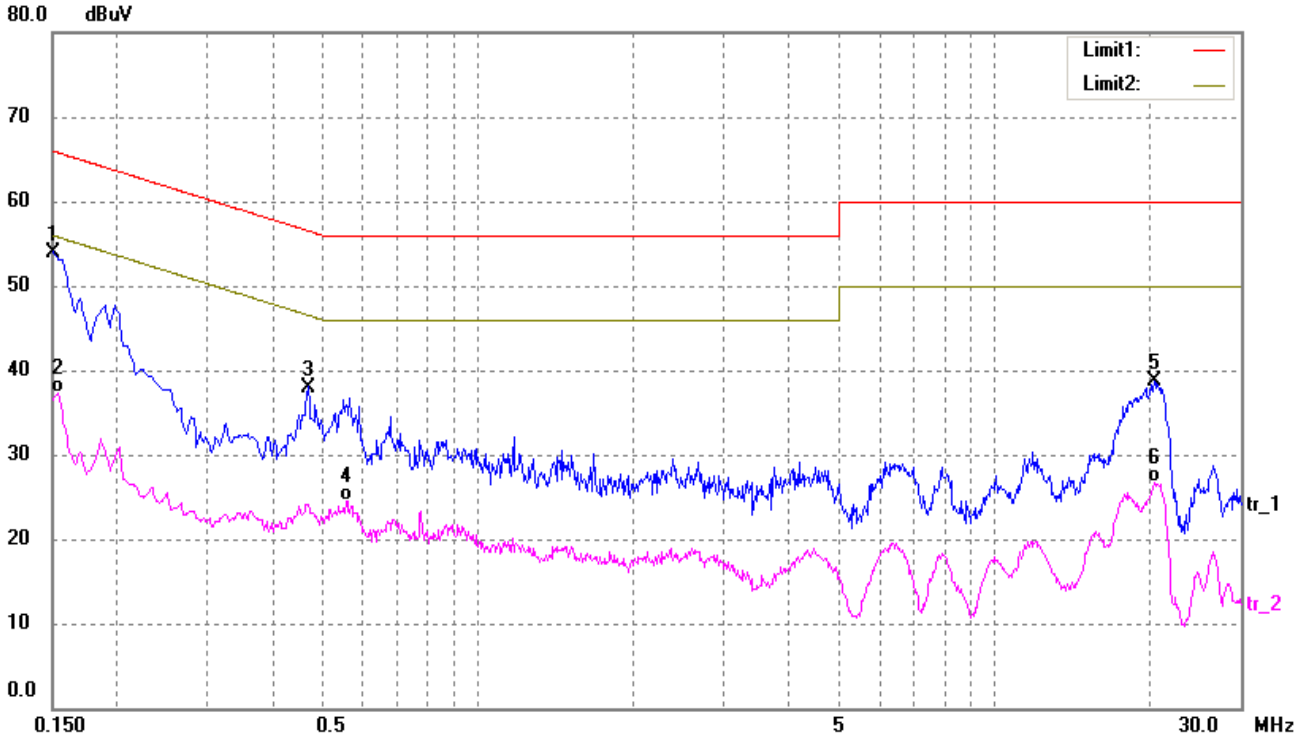


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1940	41.71	9.81	51.52	63.86	-12.34	peak
2	0.1940	25.52	9.81	35.33	53.86	-18.53	AVG
3	0.2460	18.88	9.80	28.68	51.89	-23.21	AVG
4	0.2500	32.13	9.80	41.93	61.76	-19.83	peak
5	18.1660	16.18	9.65	25.83	50.00	-24.17	AVG
6	18.6380	33.31	9.66	42.97	60.00	-17.03	peak

Plot of Conducted Emissions Test Data

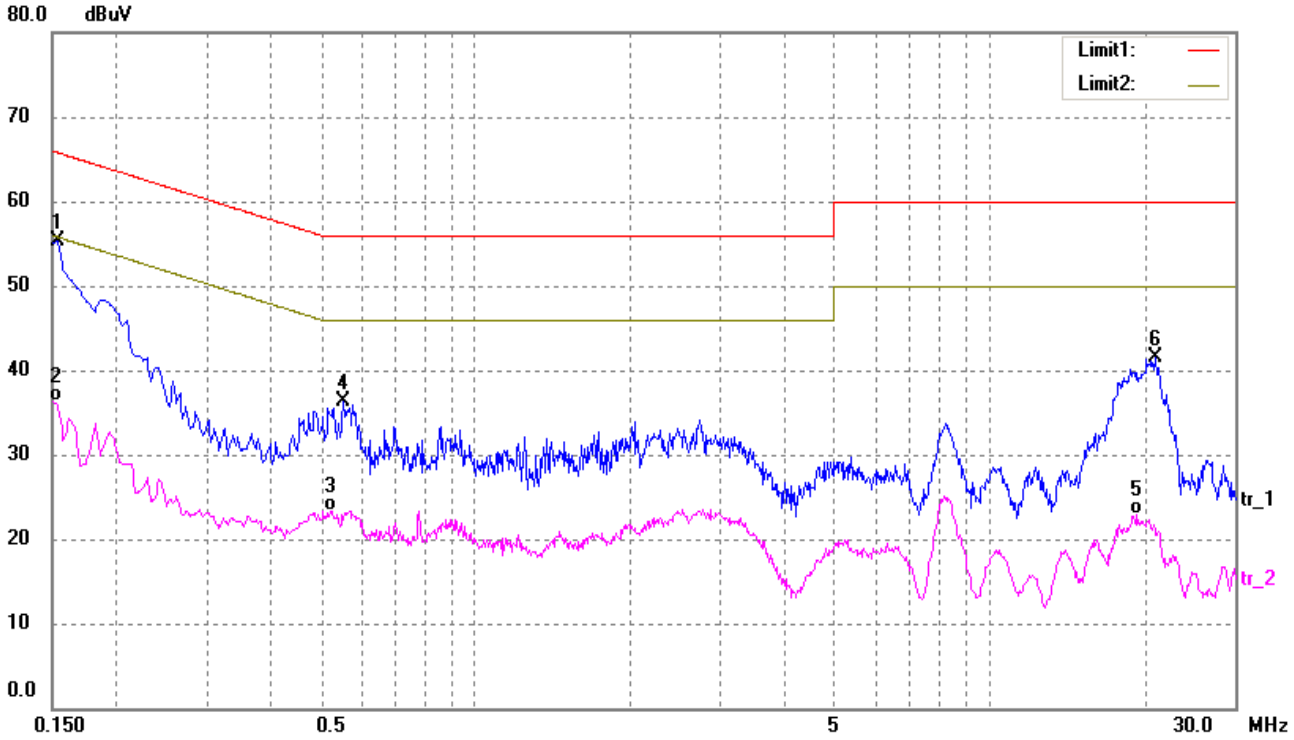
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1500	44.15	9.85	54.00	66.00	-12.00	peak
2	0.1540	27.54	9.85	37.39	55.78	-18.39	AVG
3	0.4700	28.20	9.80	38.00	56.51	-18.51	peak
4	0.5580	14.76	9.80	24.56	46.00	-21.44	AVG
5	20.3820	29.07	9.68	38.75	60.00	-21.25	peak
6	20.3820	16.98	9.68	26.66	50.00	-23.34	AVG

Test Specification: *Line*

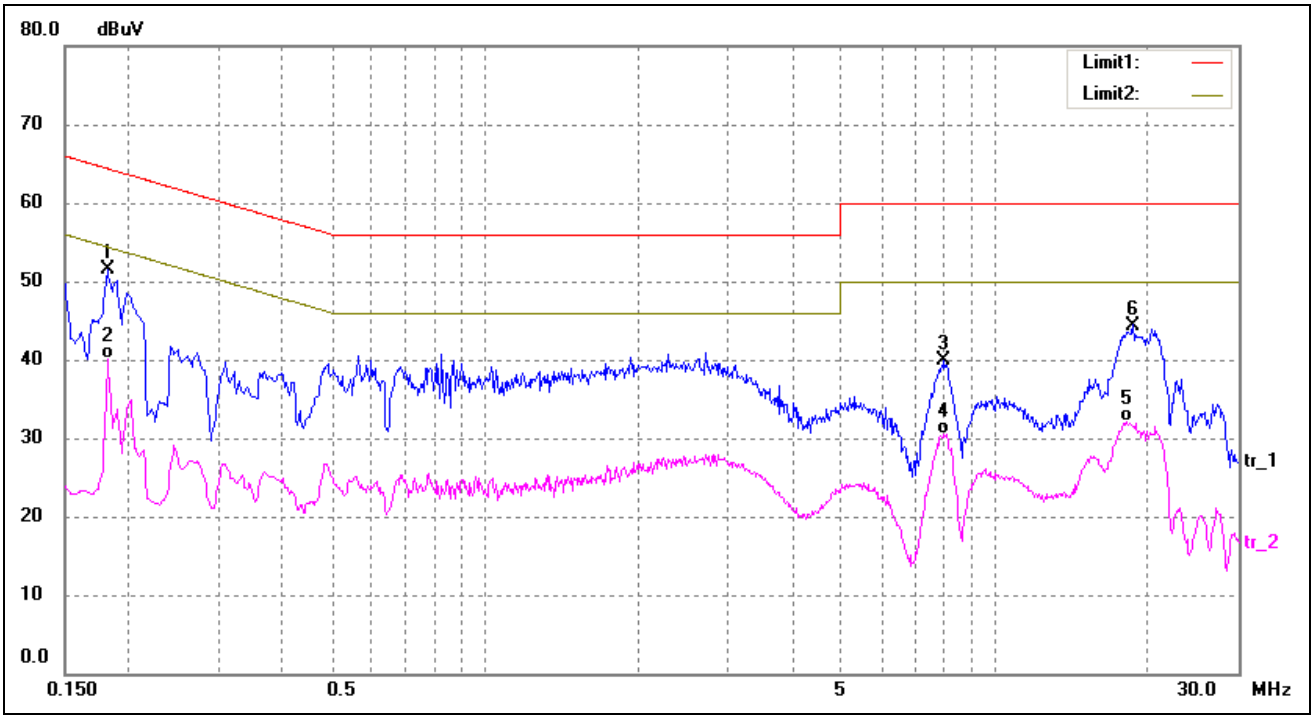


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1540	45.47	9.85	55.32	65.78	-10.46	peak
2	0.1540	26.50	9.85	36.35	55.78	-19.43	AVG
3	0.5260	13.56	9.80	23.36	46.00	-22.64	AVG
4	0.5540	26.53	9.80	36.33	56.00	-19.67	peak
5	19.4260	13.16	9.67	22.83	50.00	-27.17	AVG
6	20.9860	31.80	9.68	41.48	60.00	-18.52	peak

Plot of Conducted Emissions Test Data

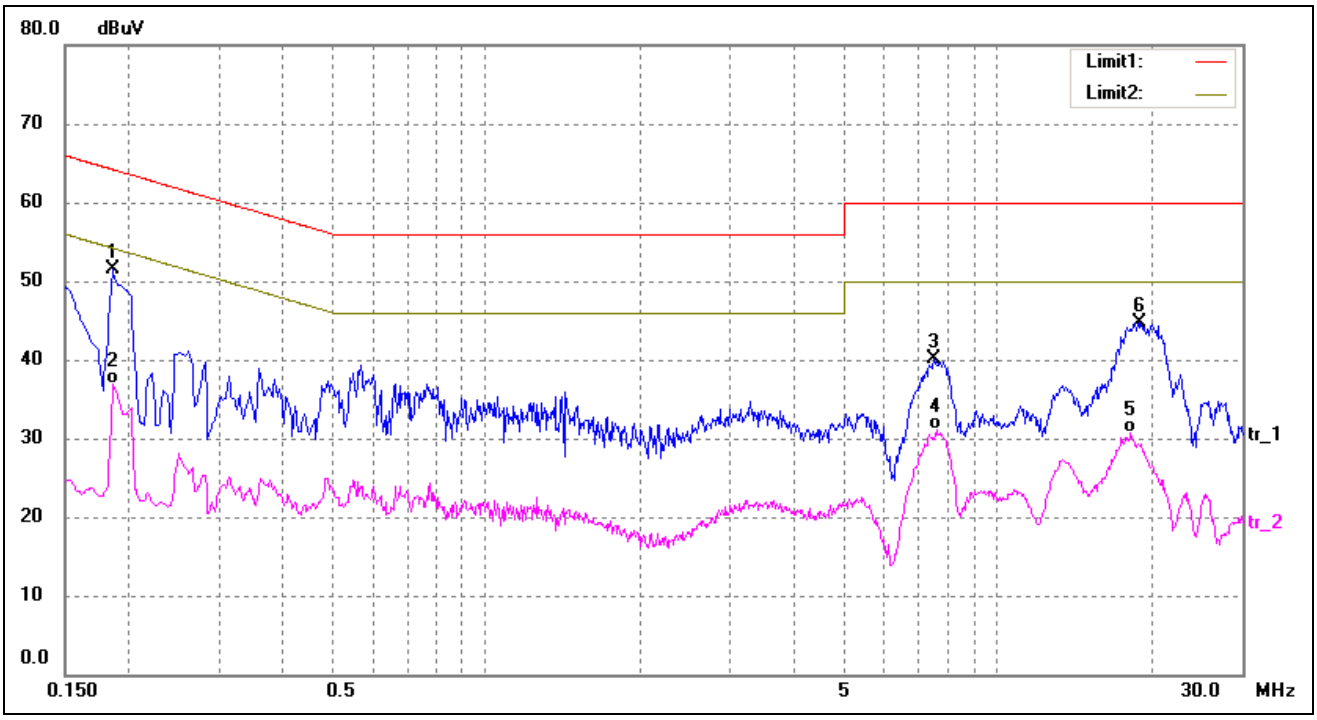
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1820	41.68	9.82	51.50	64.39	-12.89	peak
2	0.1820	30.23	9.82	40.05	54.39	-14.34	AVG
3	7.9580	30.32	9.58	39.90	60.00	-20.10	peak
4	7.9580	20.95	9.58	30.53	50.00	-19.47	AVG
5	18.0460	22.40	9.65	32.05	50.00	-17.95	AVG
6	18.7100	34.74	9.66	44.40	60.00	-15.60	peak

Test Specification: *Line*

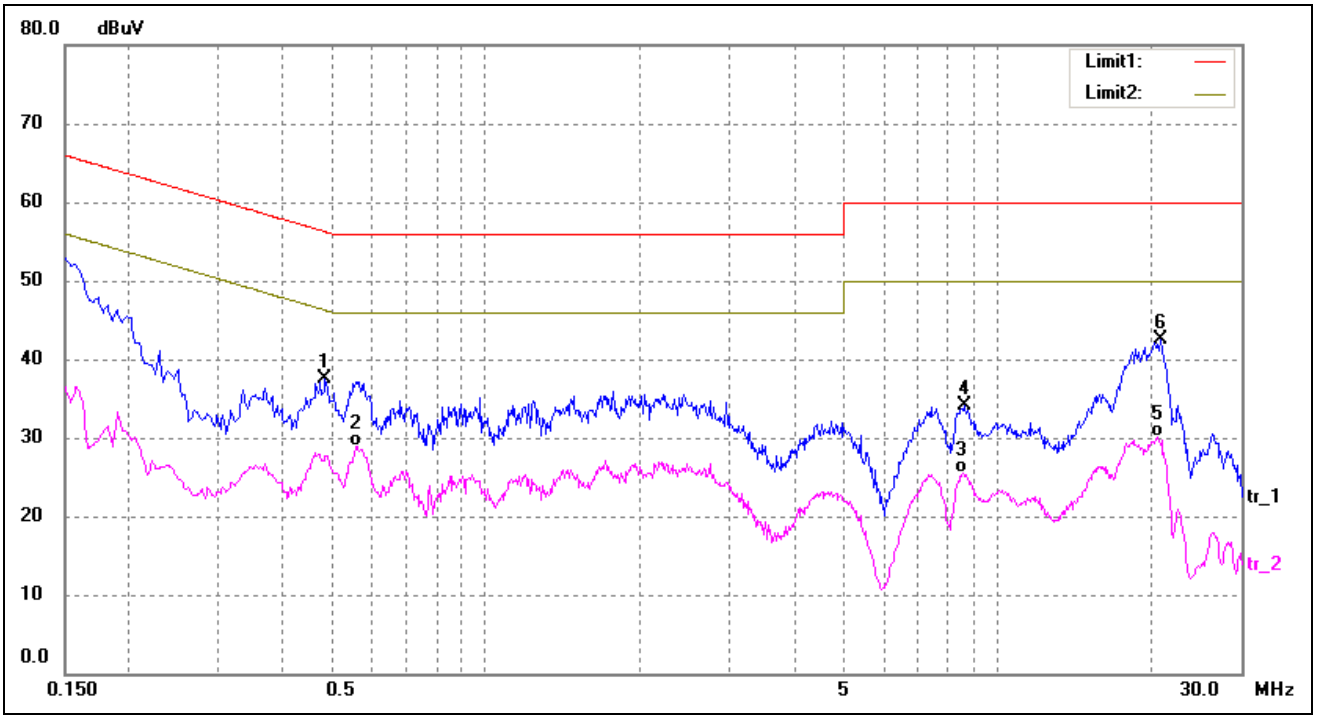


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1860	41.69	9.81	51.50	64.21	-12.71	peak
2	0.1860	27.18	9.81	36.99	54.21	-17.22	AVG
3	7.5100	30.50	9.59	40.09	60.00	-19.91	peak
4	7.5980	21.54	9.59	31.13	50.00	-18.87	AVG
5	18.2220	20.99	9.65	30.64	50.00	-19.36	AVG
6	18.8340	35.08	9.66	44.74	60.00	-15.26	peak

Plot of Conducted Emissions Test Data

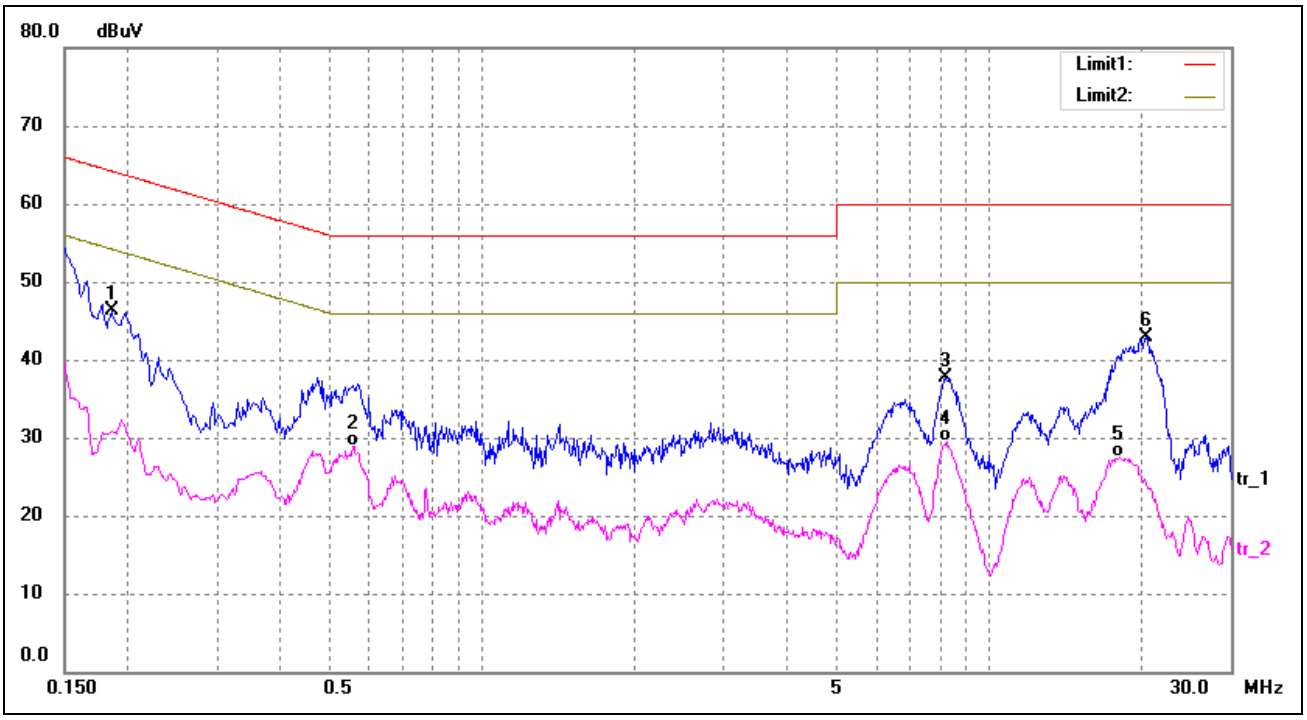
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.4860	27.65	9.80	37.45	56.24	-18.79	peak
2*	0.5580	19.12	9.80	28.92	46.00	-17.08	AVG
3	8.5700	15.97	9.56	25.53	50.00	-24.47	AVG
4	8.5980	24.49	9.56	34.05	60.00	-25.95	peak
5	20.5980	20.48	9.68	30.16	50.00	-19.84	AVG
6	20.8420	32.77	9.68	42.45	60.00	-17.55	peak

Test Specification: *Line*

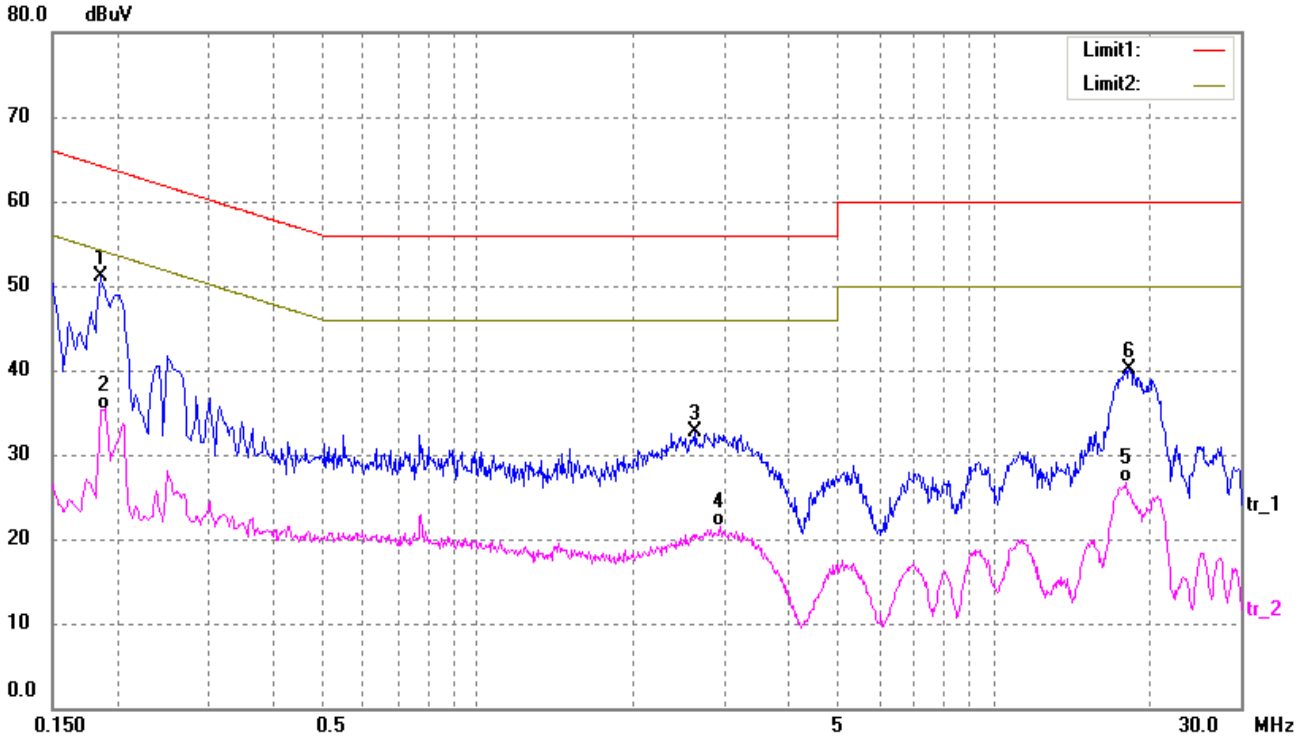


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1	0.1860	36.42	9.81	46.23	64.21	-17.98	peak
2	0.5580	19.02	9.80	28.82	46.00	-17.18	AVG
3	8.2300	28.20	9.57	37.77	60.00	-22.23	peak
4	8.2500	19.91	9.57	29.48	50.00	-20.52	AVG
5	18.0420	17.79	9.65	27.44	50.00	-22.56	AVG
6*	20.4140	33.22	9.68	42.90	60.00	-17.10	peak

Plot of Conducted Emissions Test Data

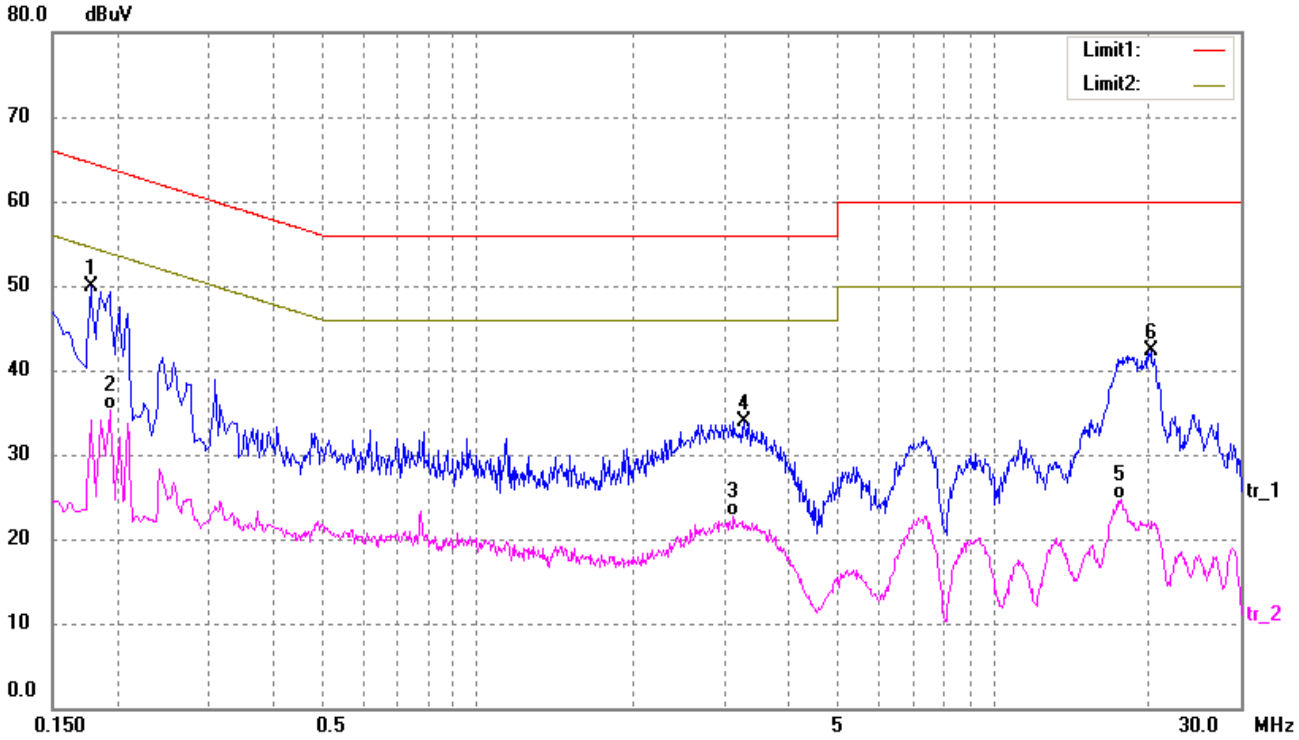
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1860	41.31	9.81	51.12	64.21	-13.09	peak
2	0.1900	25.59	9.81	35.40	54.04	-18.64	AVG
3	2.6420	22.98	9.72	32.70	56.00	-23.30	peak
4	2.9540	11.80	9.71	21.51	46.00	-24.49	AVG
5	17.9900	17.08	9.65	26.73	50.00	-23.27	AVG
6	18.3260	30.50	9.66	40.16	60.00	-19.84	peak

Test Specification: *Line*

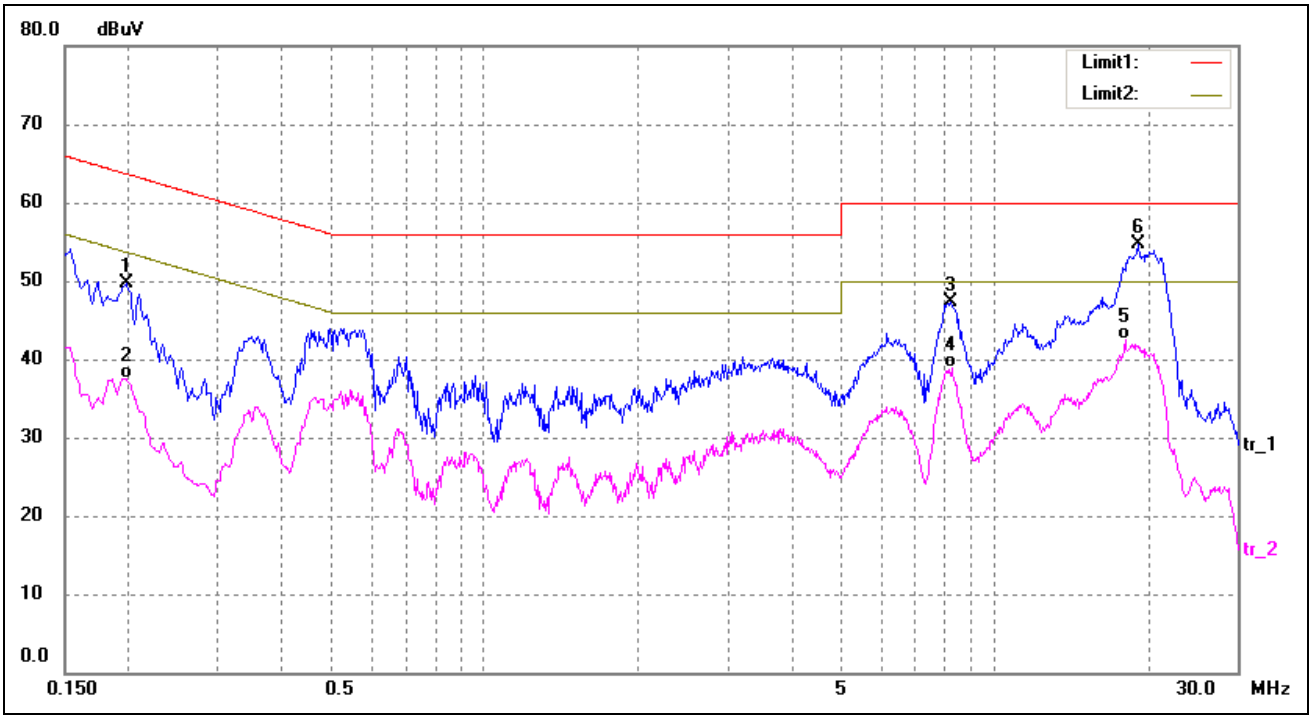


No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1780	40.01	9.82	49.83	64.58	-14.75	peak
2	0.1940	25.57	9.81	35.38	53.86	-18.48	AVG
3	3.1380	12.94	9.71	22.65	46.00	-23.35	AVG
4	3.2820	24.29	9.70	33.99	56.00	-22.01	peak
5	17.5700	15.09	9.65	24.74	50.00	-25.26	AVG
6	20.1460	32.67	9.68	42.35	60.00	-17.65	peak

Plot of Conducted Emissions Test Data

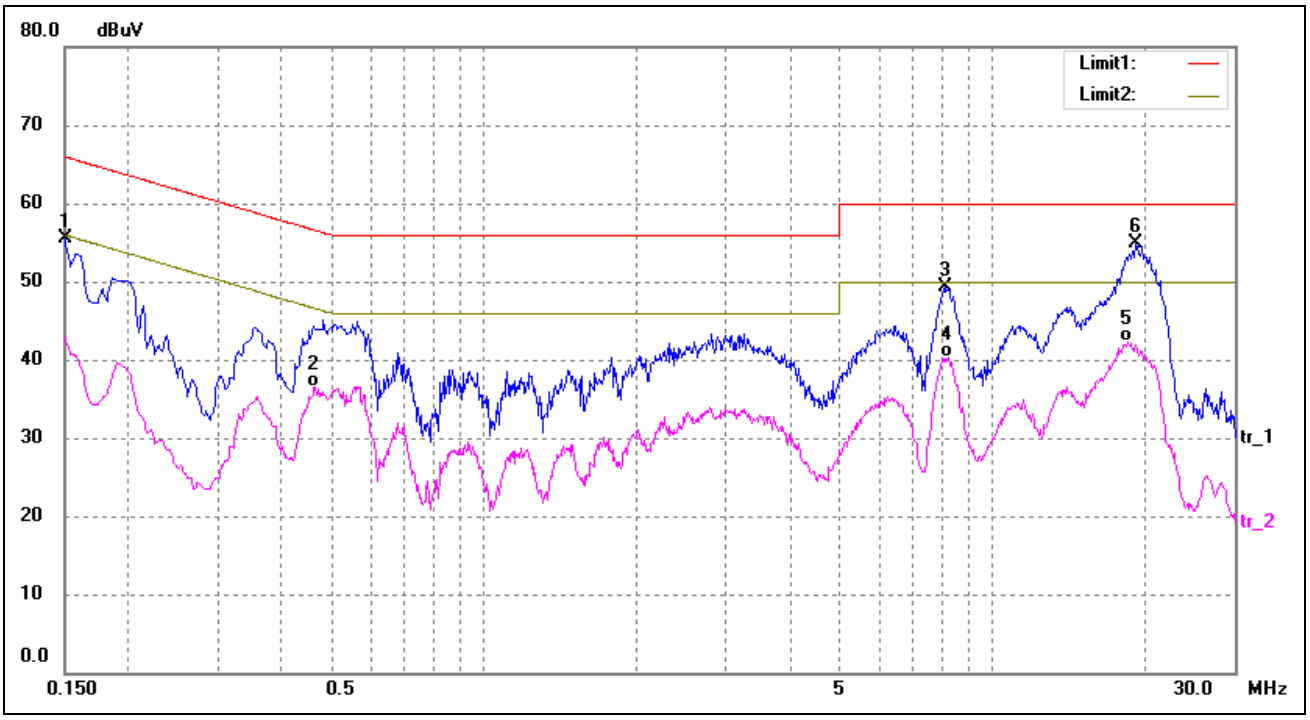
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1980	39.91	9.80	49.71	63.69	-13.98	peak
2	0.1980	27.77	9.80	37.57	53.69	-16.12	AVG
3	8.2300	37.76	9.57	47.33	60.00	-12.67	peak
4	8.2420	29.29	9.57	38.86	50.00	-11.14	AVG
5	18.1220	32.95	9.65	42.60	50.00	-7.40	AVG
6*	19.2060	45.07	9.67	54.74	60.00	-5.26	peak

Test Specification: *Line*

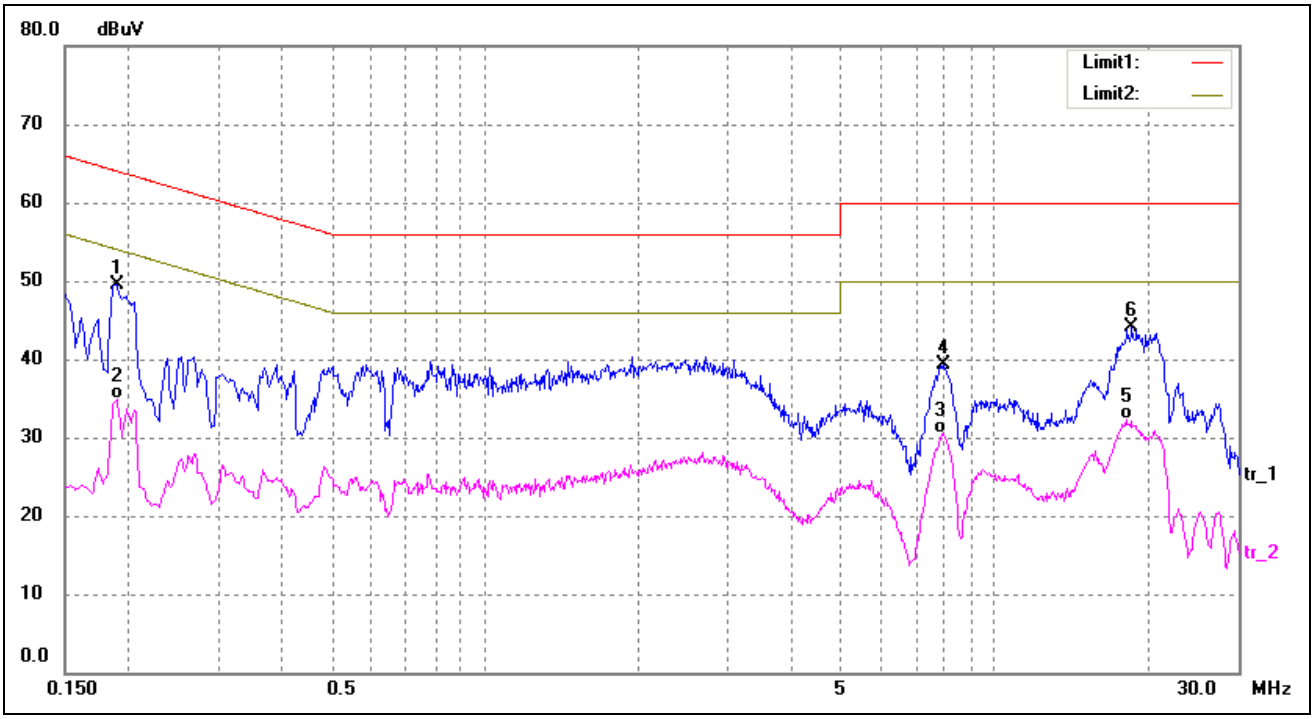


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1500	45.59	9.85	55.44	66.00	-10.56	peak
2	0.4660	26.74	9.80	36.54	46.58	-10.04	AVG
3	8.1260	39.69	9.57	49.26	60.00	-10.74	peak
4	8.2220	30.64	9.57	40.21	50.00	-9.79	AVG
5	18.5020	32.68	9.66	42.34	50.00	-7.66	AVG
6*	19.1460	45.20	9.67	54.87	60.00	-5.13	peak

Plot of Conducted Emissions Test Data

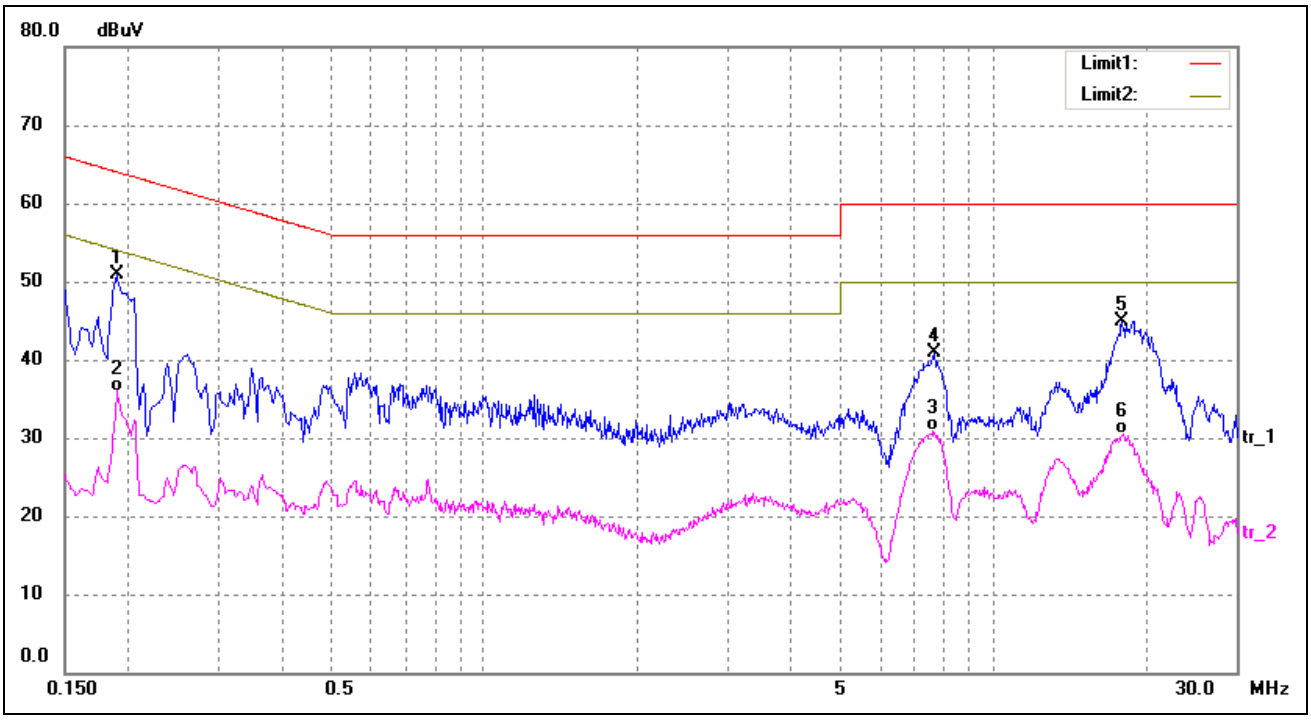
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1900	39.69	9.81	49.50	64.04	-14.54	peak
2	0.1900	25.16	9.81	34.97	54.04	-19.07	AVG
3	7.8700	20.92	9.58	30.50	50.00	-19.50	AVG
4	7.9340	29.82	9.58	39.40	60.00	-20.60	peak
5	18.1020	22.61	9.65	32.26	50.00	-17.74	AVG
6	18.5300	34.40	9.66	44.06	60.00	-15.94	peak

Test Specification: *Line*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Detector
	(MHz)	(dBuV)	(dB/m)	(dBuV)	(dBuV)	(dB)	
1*	0.1900	41.08	9.81	50.89	64.04	-13.15	peak
2	0.1900	26.19	9.81	36.00	54.04	-18.04	AVG
3	7.6420	21.33	9.59	30.92	50.00	-19.08	AVG
4	7.6740	31.37	9.59	40.96	60.00	-19.04	peak
5	17.8540	35.33	9.65	44.98	60.00	-15.02	peak
6	17.9620	20.79	9.65	30.44	50.00	-19.56	AVG

Plot of Conducted Emissions Test Data

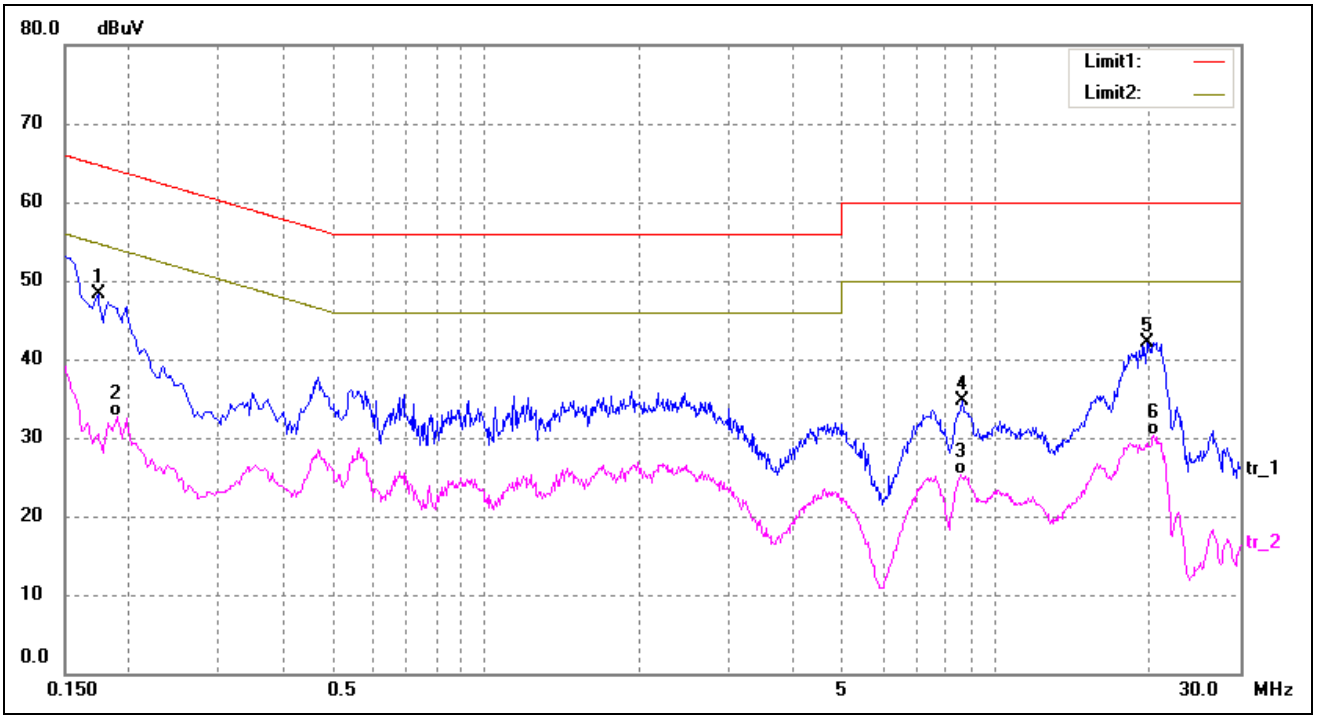
EUT: *AC/DC Power supply*

Tested Model: *FCS40US48*

Operating Condition: *Input: 115VAC*

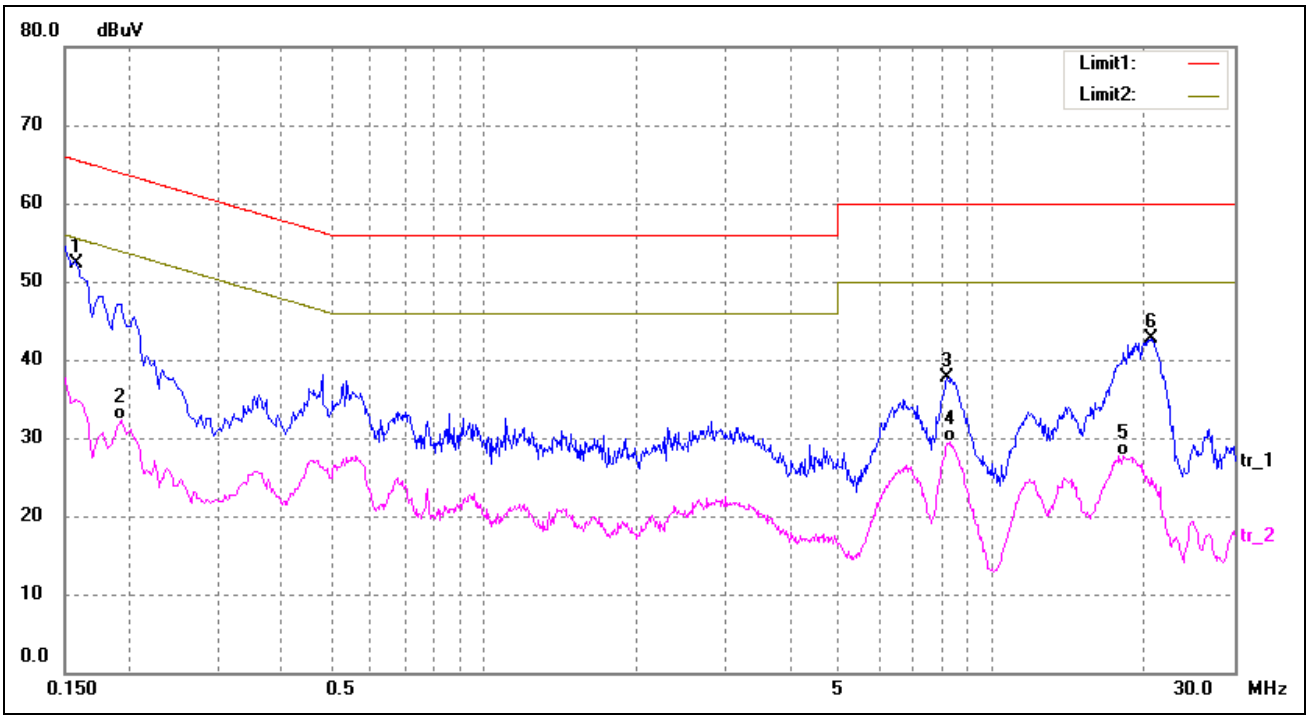
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Neutral*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1740	38.41	9.83	48.24	64.77	-16.53	peak
2	0.1900	22.86	9.81	32.67	54.04	-21.37	AVG
3	8.5340	15.79	9.56	25.35	50.00	-24.65	AVG
4	8.5820	25.17	9.56	34.73	60.00	-25.27	peak
5	19.7260	32.48	9.68	42.16	60.00	-17.84	peak
6	20.2940	20.53	9.68	30.21	50.00	-19.79	AVG

Test Specification: *Line*



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1*	0.1582	42.37	9.84	52.21	65.56	-13.35	peak
2	0.1940	22.48	9.81	32.29	53.86	-21.57	AVG
3	8.1500	28.07	9.57	37.64	60.00	-22.36	peak
4	8.2860	19.89	9.57	29.46	50.00	-20.54	AVG
5	18.1780	18.07	9.65	27.72	50.00	-22.28	AVG
6	20.6460	32.94	9.68	42.62	60.00	-17.38	peak

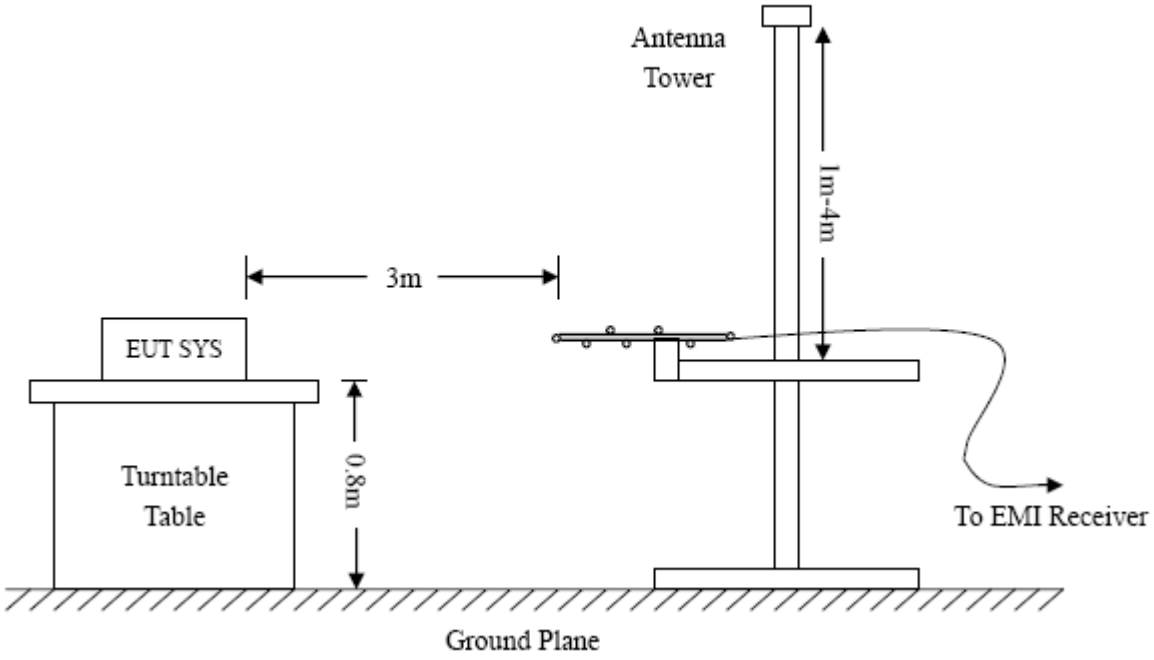
4. Radiated Disturbance

4.1 Measurement Uncertainty

Base on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any radiation emissions measurement is ± 5.10 dB.

4.2 Test Procedure

Test is conducting under the description of EN55032 Annex A.3.4.



4.3 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and the Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -6dBμV means the emission is 6dBμV below the maximum limit for Class A device. The equation for margin calculation is as follows:

Margin = Corr. Ampl. – EN 60601-1-2 / EN55032 Class A/B Limit

4.4 Environmental Conditions

Temperature:	23° C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

4.5 Summary of Test Results/Plots

According to the data in section 4.5, the EUT complied with the EN 60601-1-2 / EN55032 Class A/B standards, Class B standards and had the worst margin is:

-2.88 dB at 63.3132 MHz in the **Vertical polarization， FCS40US12** model**,**

Input 230VAC, Class II, Output floating, 100% convection cooled rating, 30 MHz to 1 GHz, 3Meters

-3.49 dB at 107.8877 MHz in the **Vertical polarization， FCS40US24** model**,**

Input 115VA, ClassⅡ， Output floating， 100% convection cooled rating, 30 MHz to 1 GHz, 3Meters

-4.34 dB at **77.0504 MHz** in the **Vertical polarization, FCS40US48** model**,**

Input 230VAC, Class I, Output floating, 50% convection cooled rating, 30 MHz to 1 GHz, 3Meters

Note:

In order to obtain the Radiated Emission Class B results as shown on Page 207 -page 278, a mains cable fitted with small ferrite was used (part no. Wurth electronics 742 700 91 with 4 turns). The cable being passed through the ferrite as shown in figure 1. This cable was supplied by the customer.

Wurth electronics 742 700 91 with 4 turns

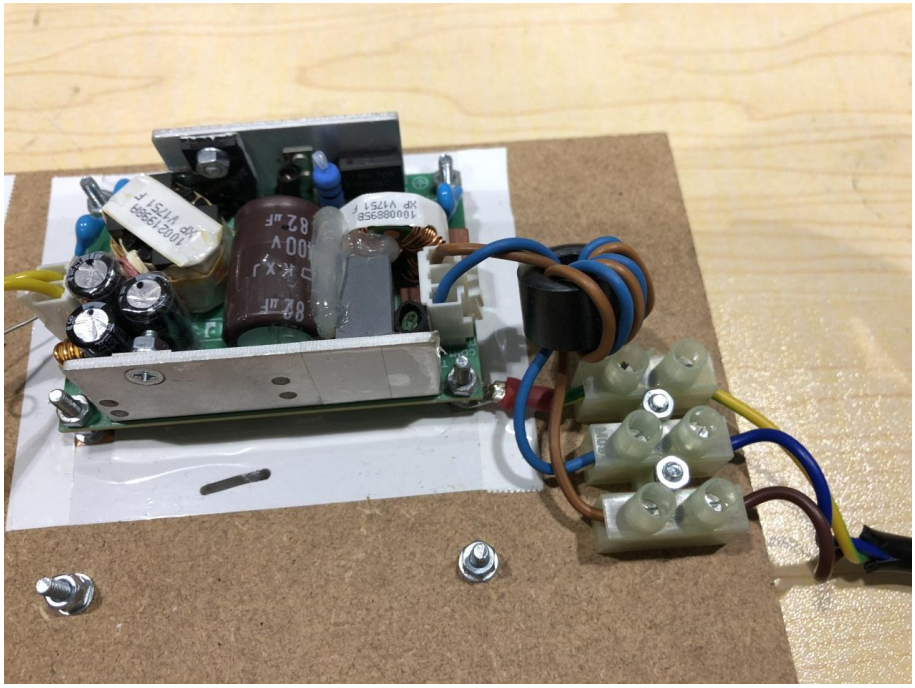
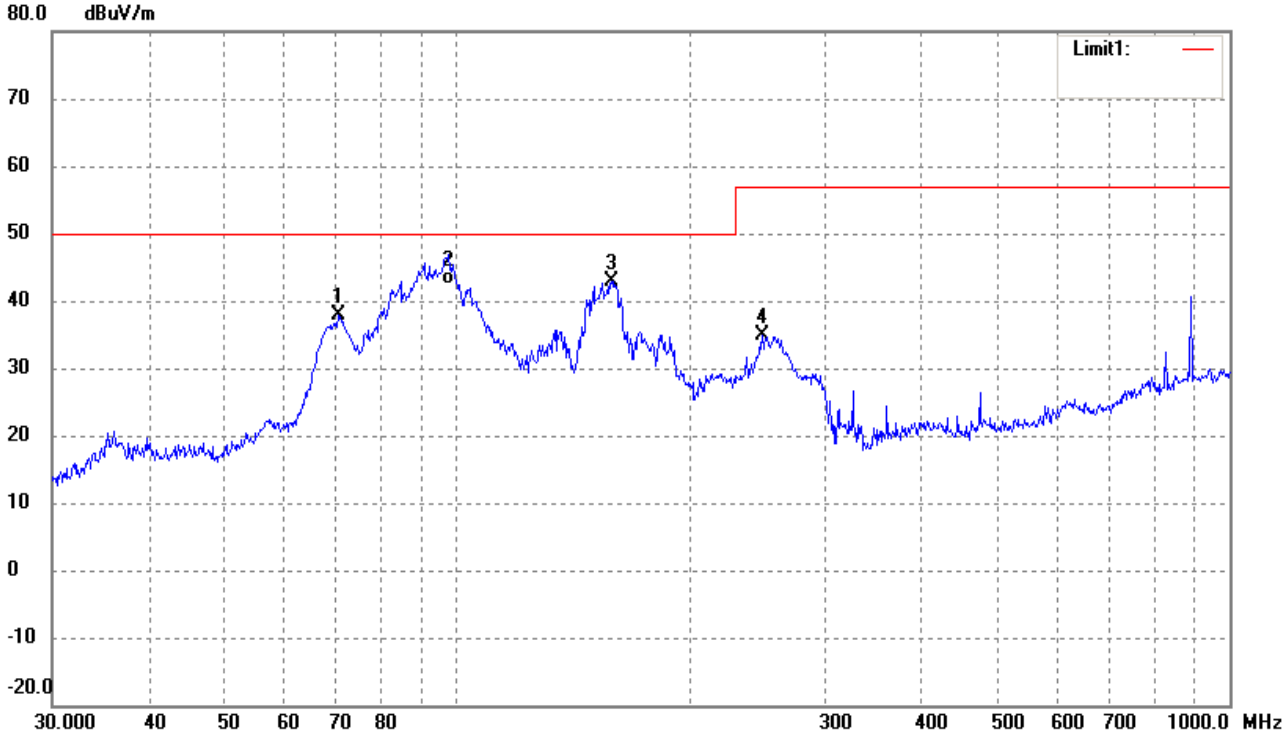


Figure 1 - Ferrite on input lead

Plot of Radiated Emissions Test Data

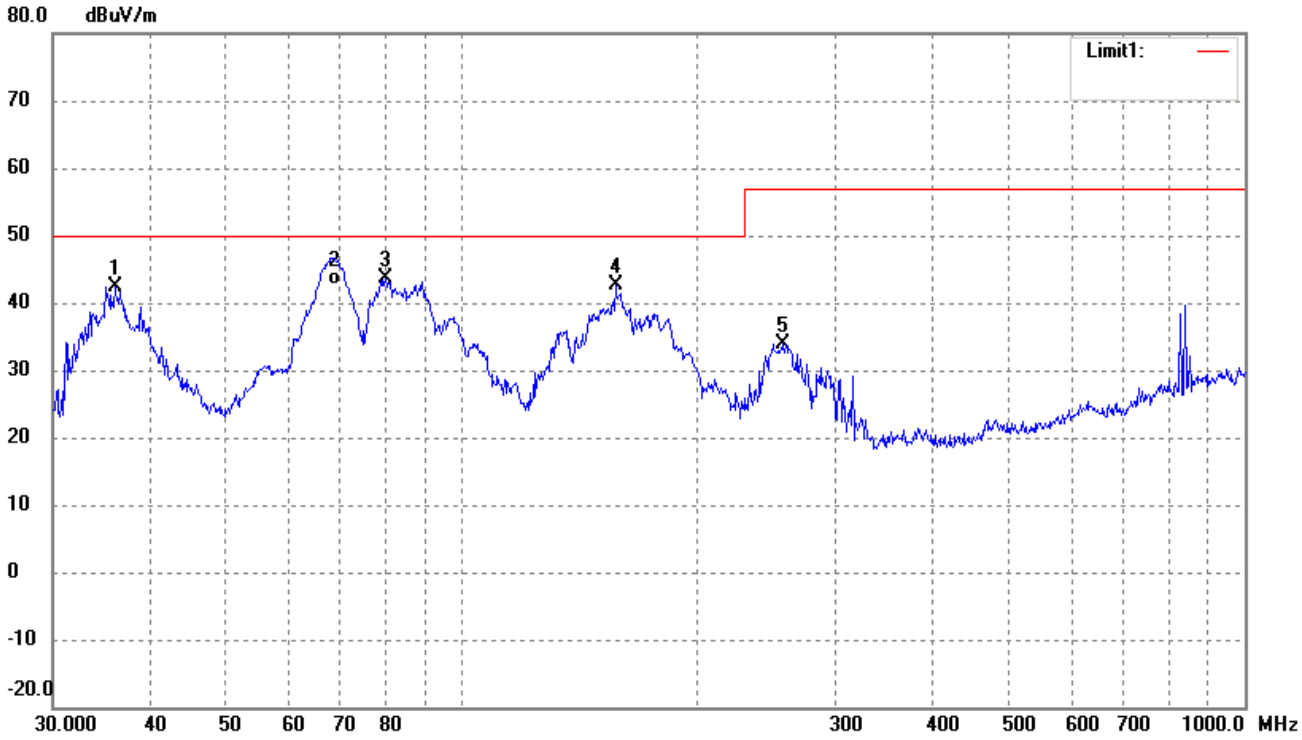
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	70.3365	52.80	-14.82	37.98	50.00	-12.02	230	100	peak
2	97.7983	54.18	-11.88	42.30	50.00	-7.70	160	100	QP
3	158.6677	57.83	-15.03	42.80	50.00	-7.20	40	100	peak
4	248.5519	45.42	-10.57	34.85	57.00	-22.15	180	100	peak

Test Specification: *Vertical*

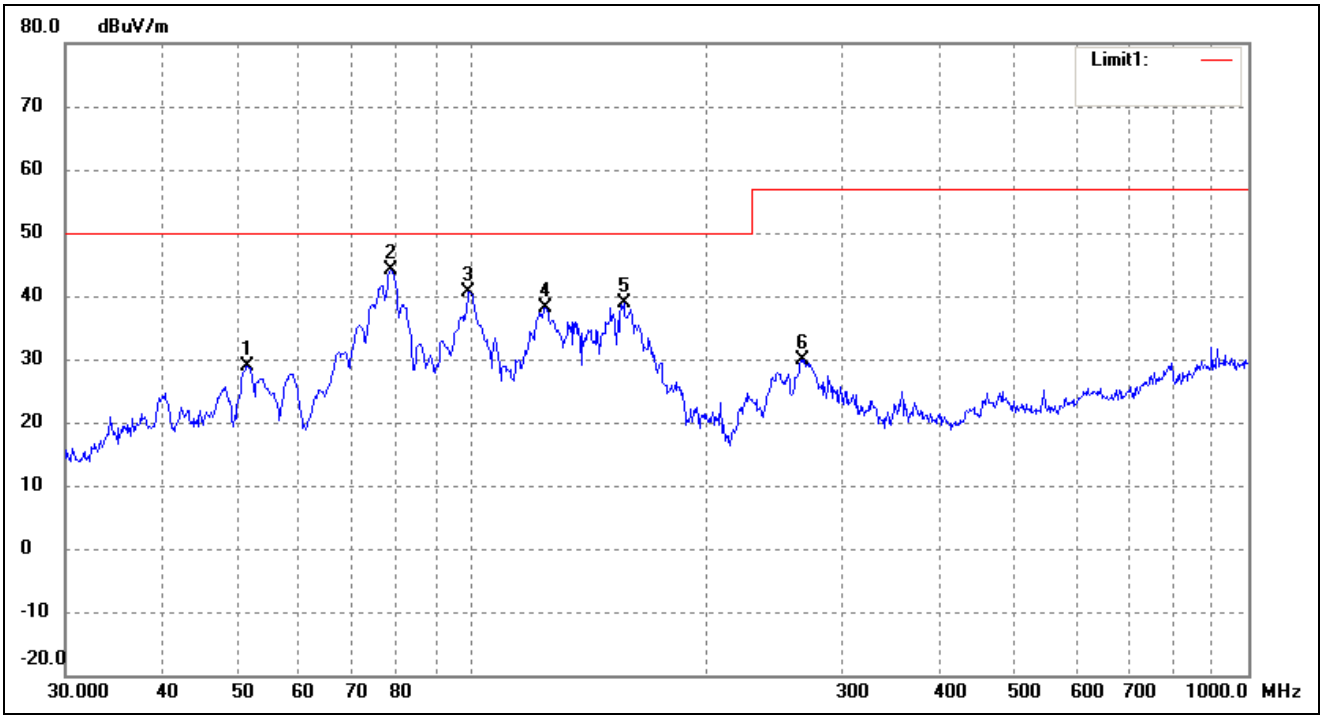


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.0007	53.67	-11.32	42.35	50.00	-7.65	230	100	peak
2	68.8721	58.55	-15.97	42.58	50.00	-7.42	250	100	QP
3	79.8003	61.73	-18.10	43.63	50.00	-6.37	180	100	peak
4	157.0074	57.71	-15.02	42.69	50.00	-7.31	48	100	peak
5	256.5211	44.18	-10.22	33.96	57.00	-23.04	50	100	peak

Plot of Radiated Emissions Test Data

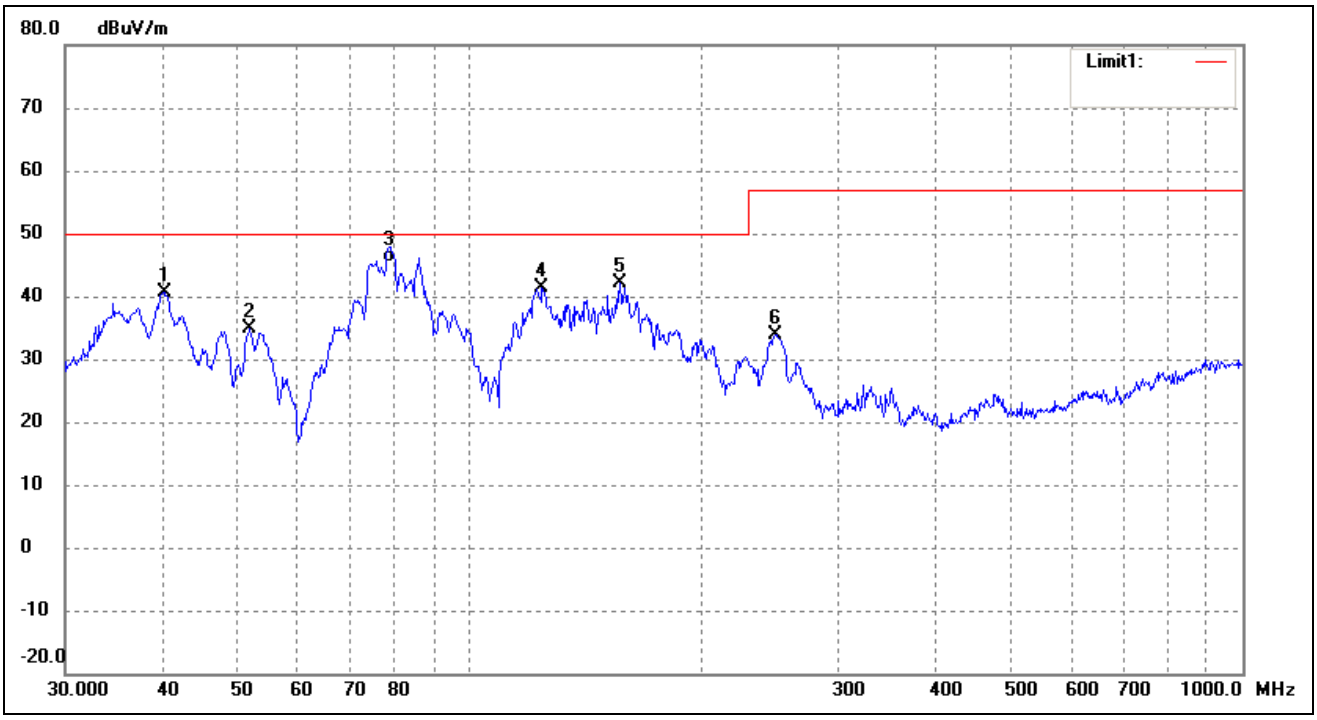
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.4807	39.75	-10.86	28.89	50.00	-21.11	166	100	peak
2	78.6888	60.37	-16.30	44.07	50.00	-5.93	320	100	peak
3	99.1797	52.19	-11.58	40.61	50.00	-9.39	247	100	peak
4	124.5690	52.13	-13.95	38.18	50.00	-11.82	152	100	peak
5	157.0074	53.83	-15.02	38.81	50.00	-11.19	298	100	peak
6	266.6089	39.75	-9.88	29.87	57.00	-27.13	56	100	peak

Test Specification: *Vertical*

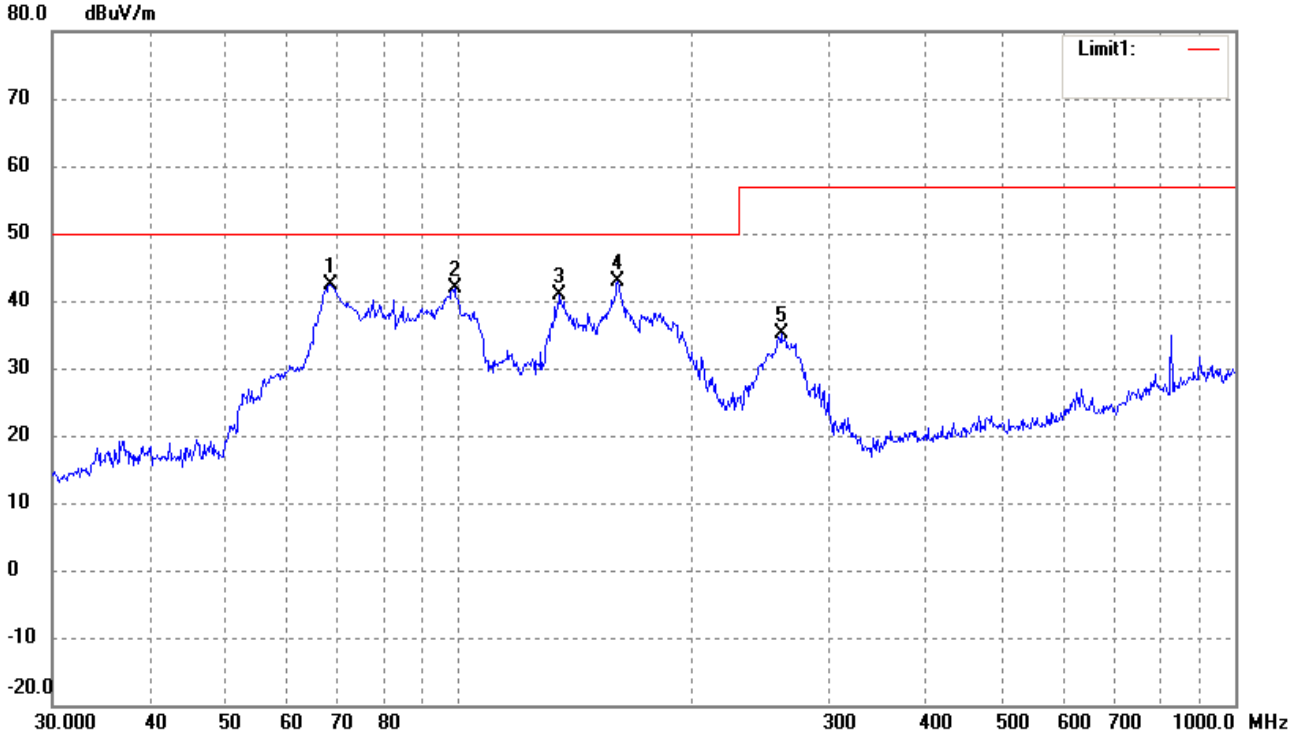


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.2757	50.93	-10.41	40.52	50.00	-9.48	354	100	peak
2	52.0251	45.90	-11.07	34.83	50.00	-15.17	43	100	peak
3	78.6888	63.19	-17.89	45.30	50.00	-4.70	266	100	QP
4	124.1330	55.19	-13.93	41.26	50.00	-8.74	105	100	peak
5	156.4578	57.02	-15.01	42.01	50.00	-7.99	274	100	peak
6	248.5519	44.51	-10.57	33.94	57.00	-23.06	120	100	peak

Plot of Radiated Emissions Test Data

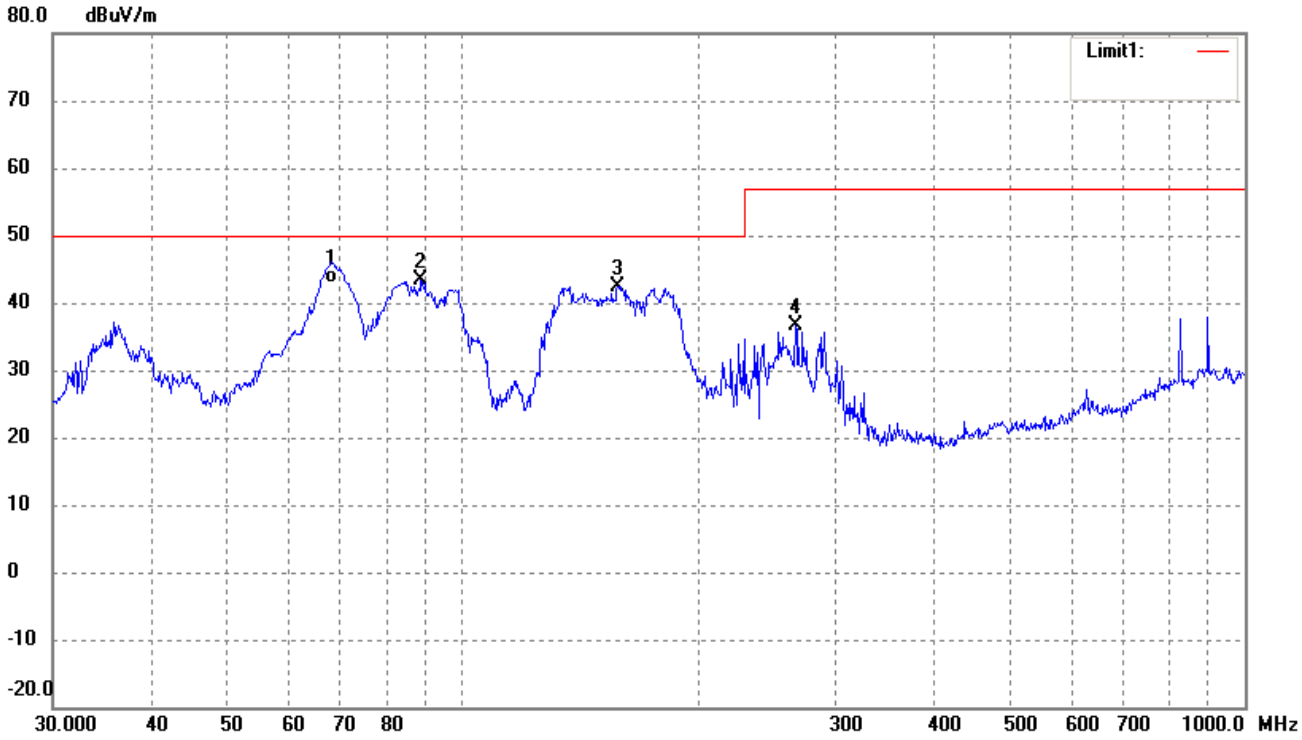
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	68.3908	56.69	-14.28	42.41	50.00	-7.59	250	100	peak
2	98.8326	53.54	-11.66	41.88	50.00	-8.12	180	100	peak
3	135.0319	55.48	-14.53	40.95	50.00	-9.05	45	100	peak
4	160.3457	58.03	-15.03	43.00	50.00	-7.00	315	100	peak
5	260.1444	45.14	-10.07	35.07	57.00	-21.93	330	100	peak

Test Specification: *Vertical*

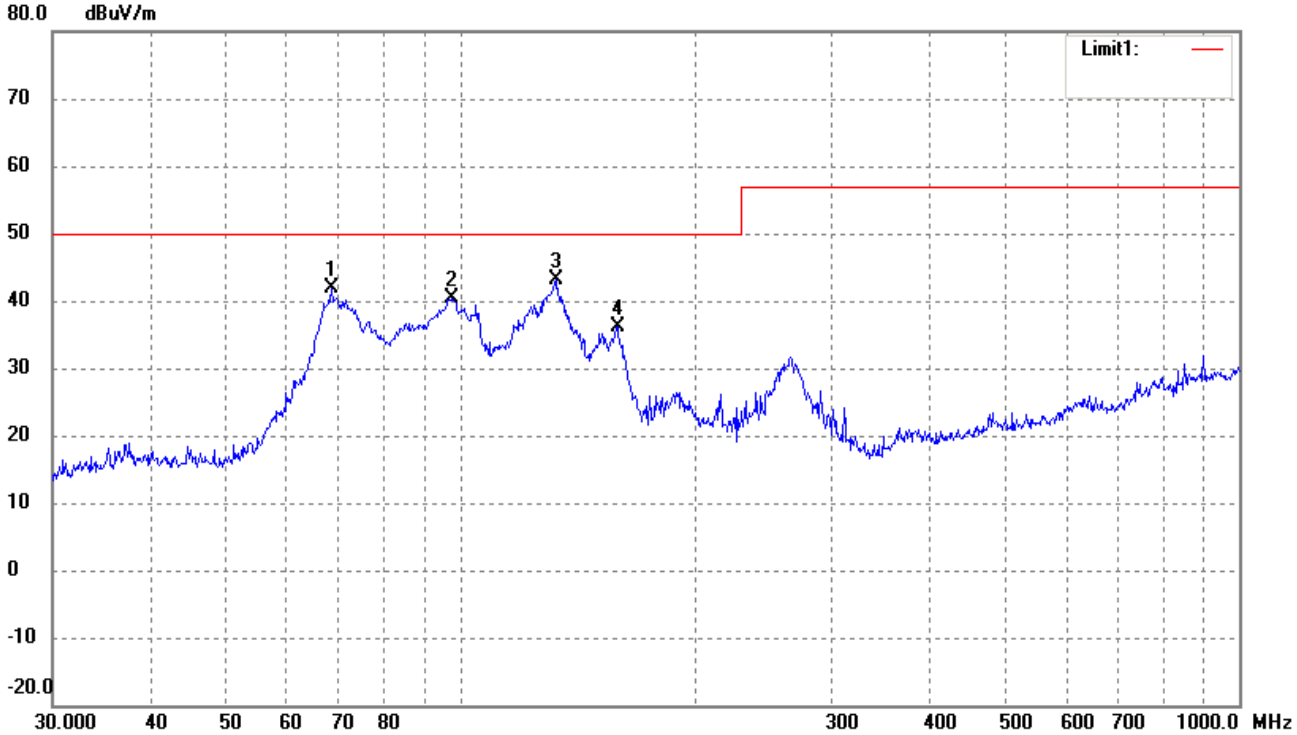


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	68.1514	58.67	-15.78	42.89	50.00	-7.11	350	100	QP
2	88.6525	57.66	-14.23	43.43	50.00	-6.57	256	100	peak
3	158.1123	57.49	-15.02	42.47	50.00	-7.53	345	100	peak
4	266.6089	46.56	-9.88	36.68	57.00	-20.32	360	100	peak

Plot of Radiated Emissions Test Data

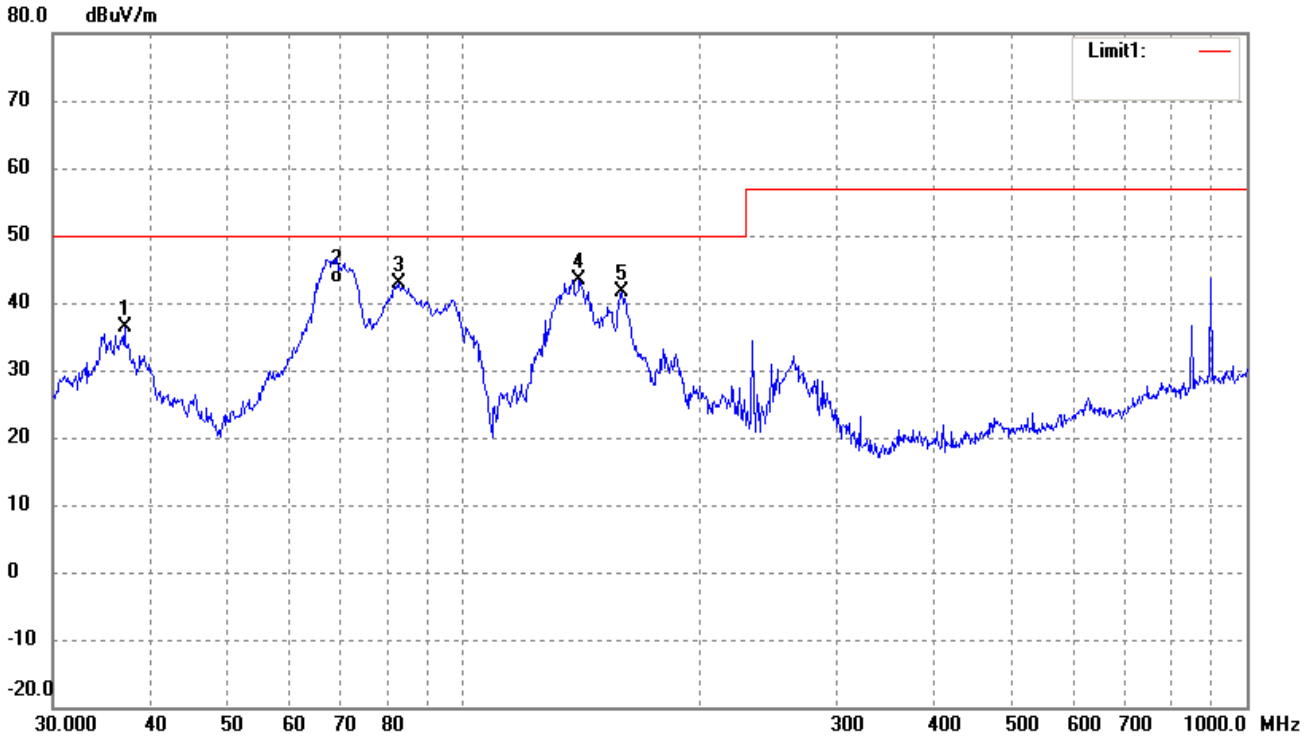
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	68.3908	56.16	-14.28	41.88	50.00	-8.12	265	100	peak
2	97.4560	52.28	-11.97	40.31	50.00	-9.69	180	100	peak
3	133.1511	57.56	-14.42	43.14	50.00	-6.86	135	100	peak
4	159.2251	51.25	-15.03	36.22	50.00	-13.78	95	100	peak

Test Specification: *Vertical*

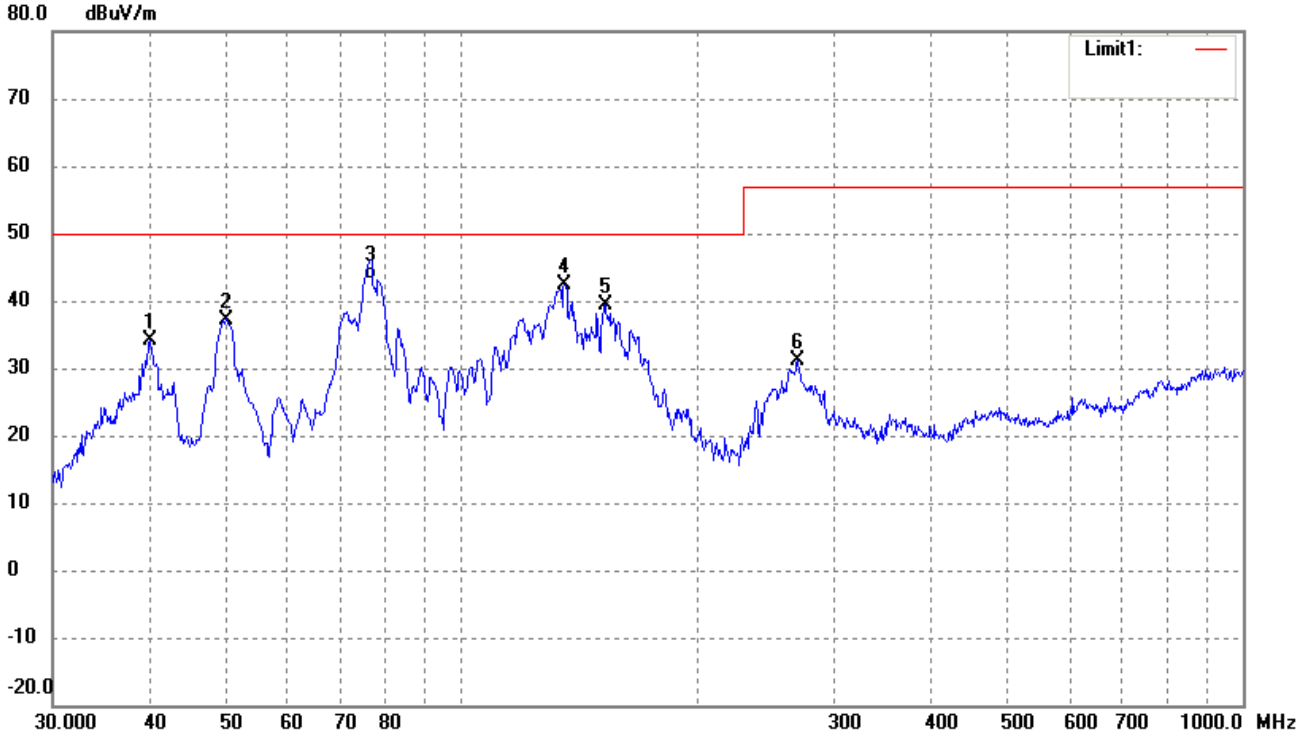


	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	37.0249	47.35	-11.09	36.26	50.00	-13.74	253	100	peak
2	69.1141	59.01	-16.03	42.98	50.00	-7.02	186	100	QP
3	82.9385	59.67	-16.81	42.86	50.00	-7.14	150	100	peak
4	140.8351	58.17	-14.81	43.36	50.00	-6.64	97	100	peak
5	159.7844	56.76	-15.03	41.73	50.00	-8.27	325	100	peak

Plot of Radiated Emissions Test Data

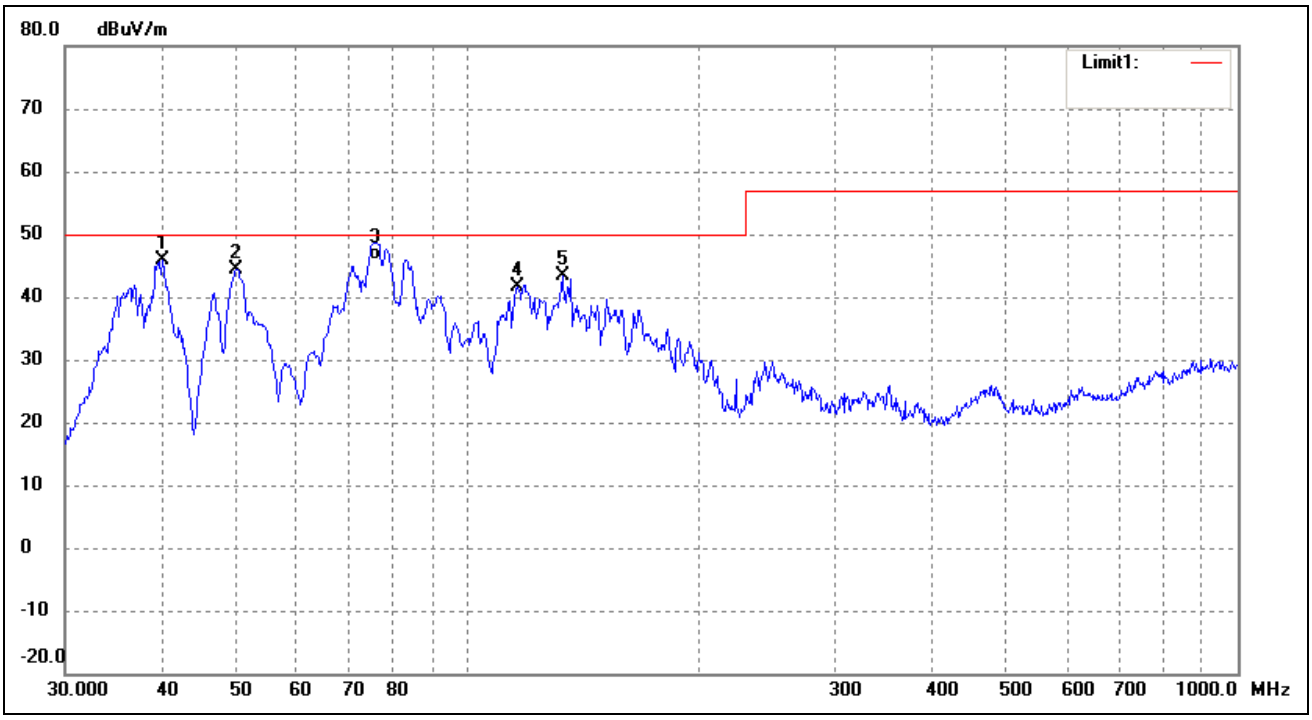
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.9941	44.43	-10.40	34.03	50.00	-15.97	231	100	peak
2	50.0566	47.96	-10.71	37.25	50.00	-12.75	45	100	peak
3	76.5121	58.93	-15.92	43.01	50.00	-6.99	182	100	QP
4	135.5062	56.92	-14.55	42.37	50.00	-7.63	199	100	peak
5	152.6640	54.40	-14.97	39.43	50.00	-10.57	273	100	peak
6	269.4284	41.03	-9.80	31.23	57.00	-25.77	312	100	peak

Test Specification: *Vertical*

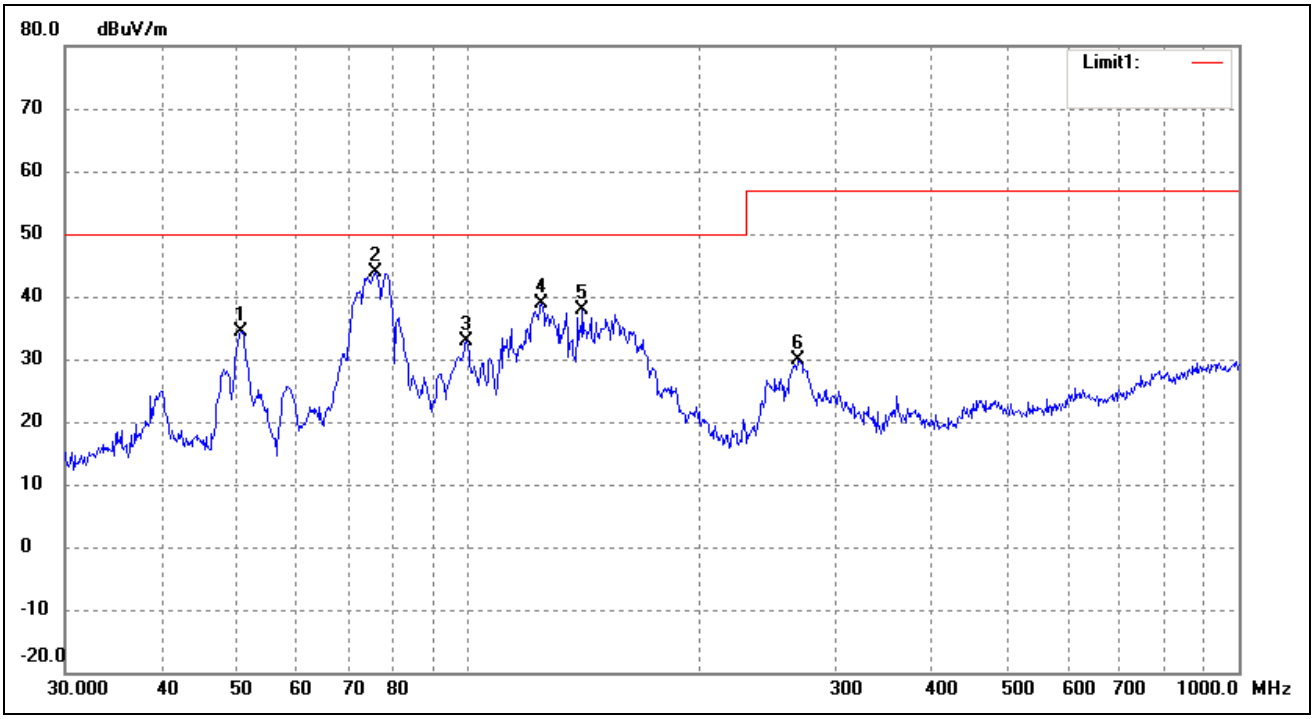


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.1347	56.25	-10.40	45.85	50.00	-4.15	64	100	peak
2	50.0566	54.88	-10.42	44.46	50.00	-5.54	159	100	peak
3	75.9772	63.29	-17.39	45.90	50.00	-4.10	320	100	QP
4	116.1321	54.77	-13.26	41.51	50.00	-8.49	122	100	peak
5	132.6850	57.81	-14.39	43.42	50.00	-6.58	274	100	peak

Plot of Radiated Emissions Test Data

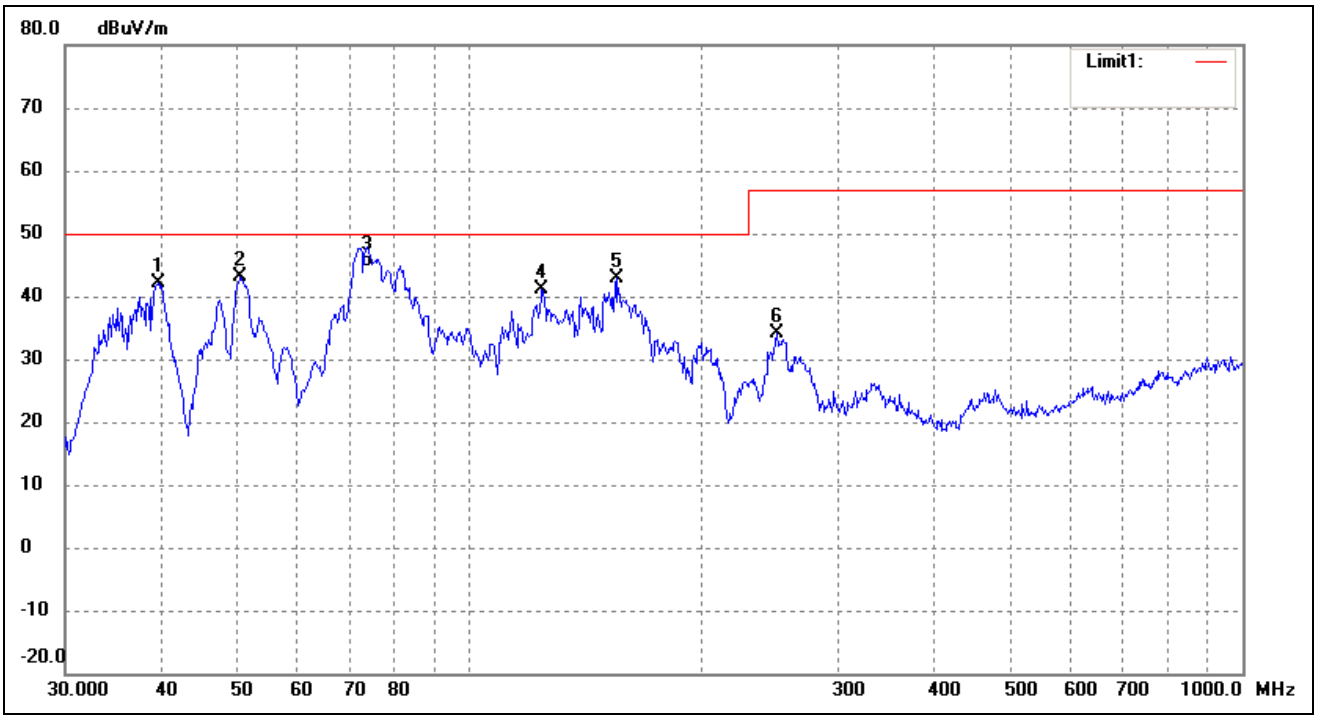
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	50.7637	45.22	-10.78	34.44	50.00	-15.56	15	100	peak
2	75.9773	59.71	-15.83	43.88	50.00	-6.12	345	100	peak
3	99.5281	44.38	-11.50	32.88	50.00	-17.12	233	100	peak
4	124.5690	52.85	-13.95	38.90	50.00	-11.10	285	100	peak
5	140.8351	52.57	-14.81	37.76	50.00	-12.24	123	100	peak
6	268.4853	39.62	-9.83	29.79	57.00	-27.21	20	100	peak

Test Specification: *Vertical*

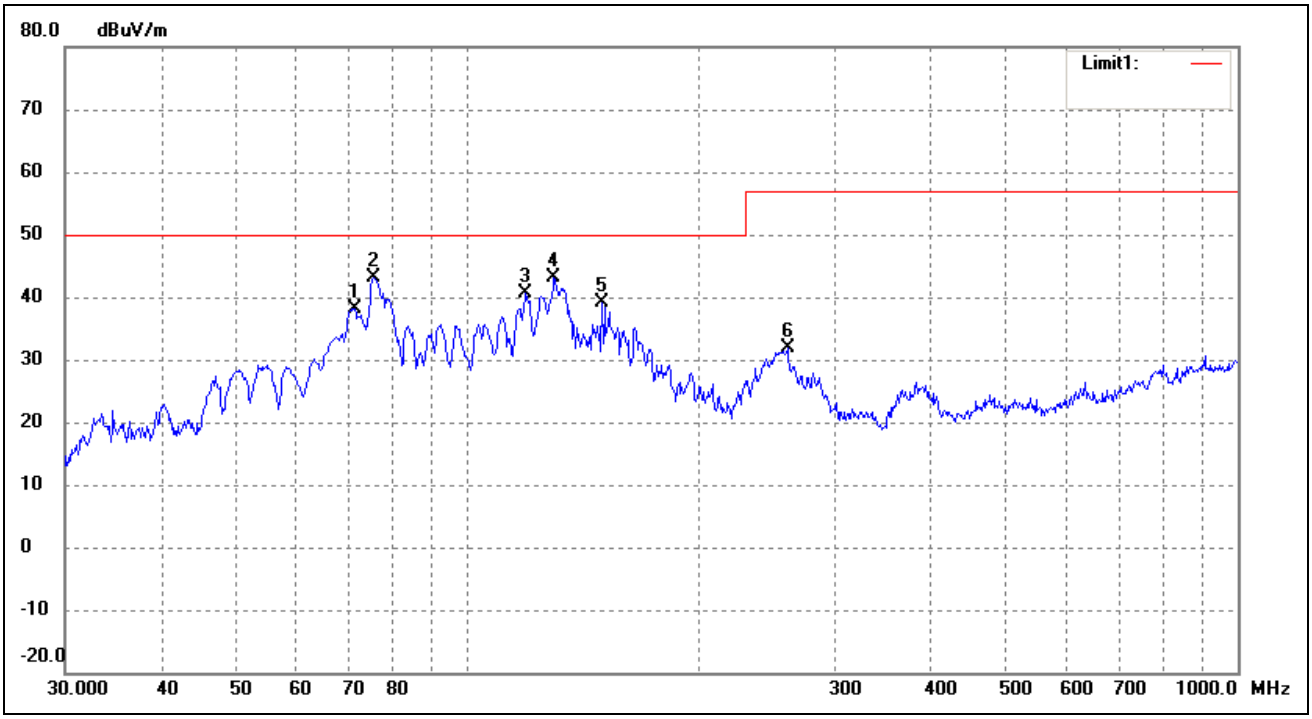


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.5757	52.55	-10.50	42.05	50.00	-7.95	65	100	peak
2	50.5860	53.70	-10.59	43.11	50.00	-6.89	233	100	peak
3	73.8756	61.59	-16.99	44.60	50.00	-5.40	350	100	QP
4	124.1330	54.98	-13.93	41.05	50.00	-8.95	274	100	peak
5	154.8204	57.75	-14.99	42.76	50.00	-7.24	155	100	peak
6	249.4250	44.55	-10.52	34.03	57.00	-22.97	101	100	peak

Plot of Radiated Emissions Test Data

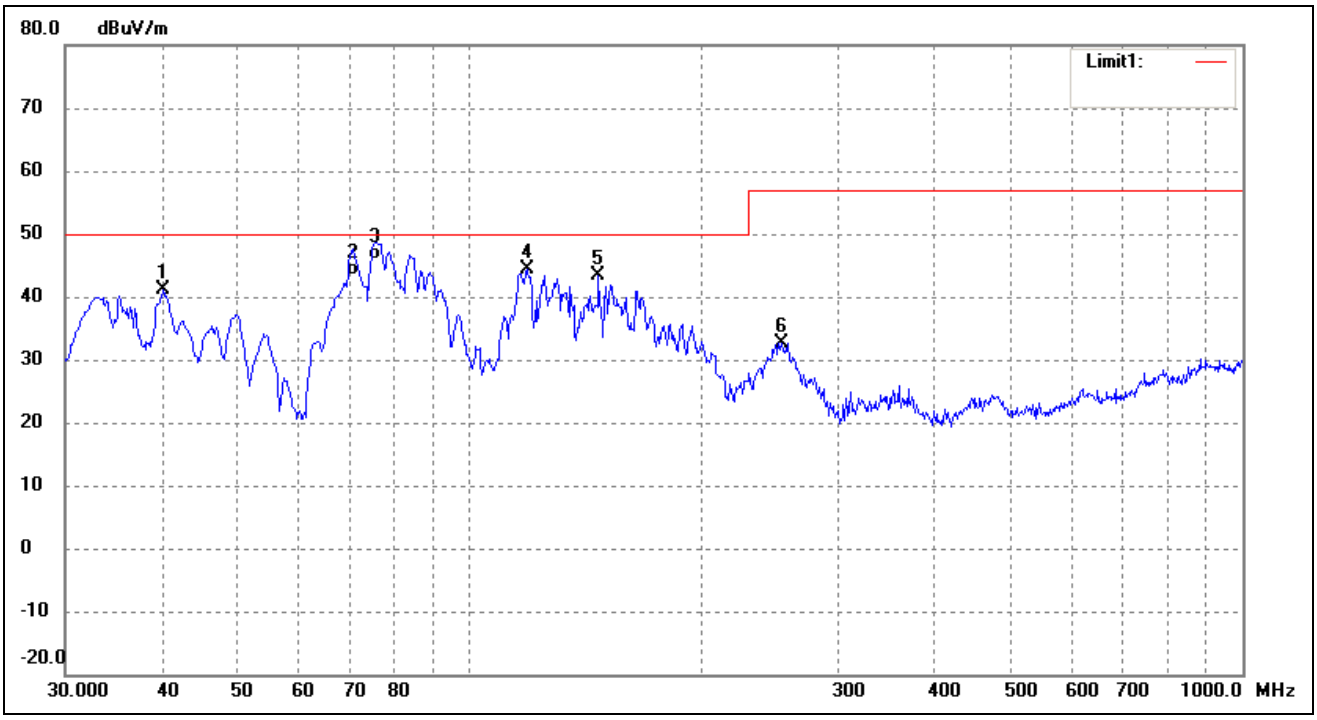
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	71.3300	53.24	-15.00	38.24	50.00	-11.76	310	100	peak
2	75.4464	58.77	-15.73	43.04	50.00	-6.96	356	100	peak
3	119.0180	54.14	-13.59	40.55	50.00	-9.45	28	100	peak
4	129.4677	57.25	-14.23	43.02	50.00	-6.98	155	100	peak
5	149.4857	54.08	-14.95	39.13	50.00	-10.87	274	100	peak
6	260.1444	41.90	-10.07	31.83	57.00	-25.17	102	100	peak

Test Specification: *Vertical*

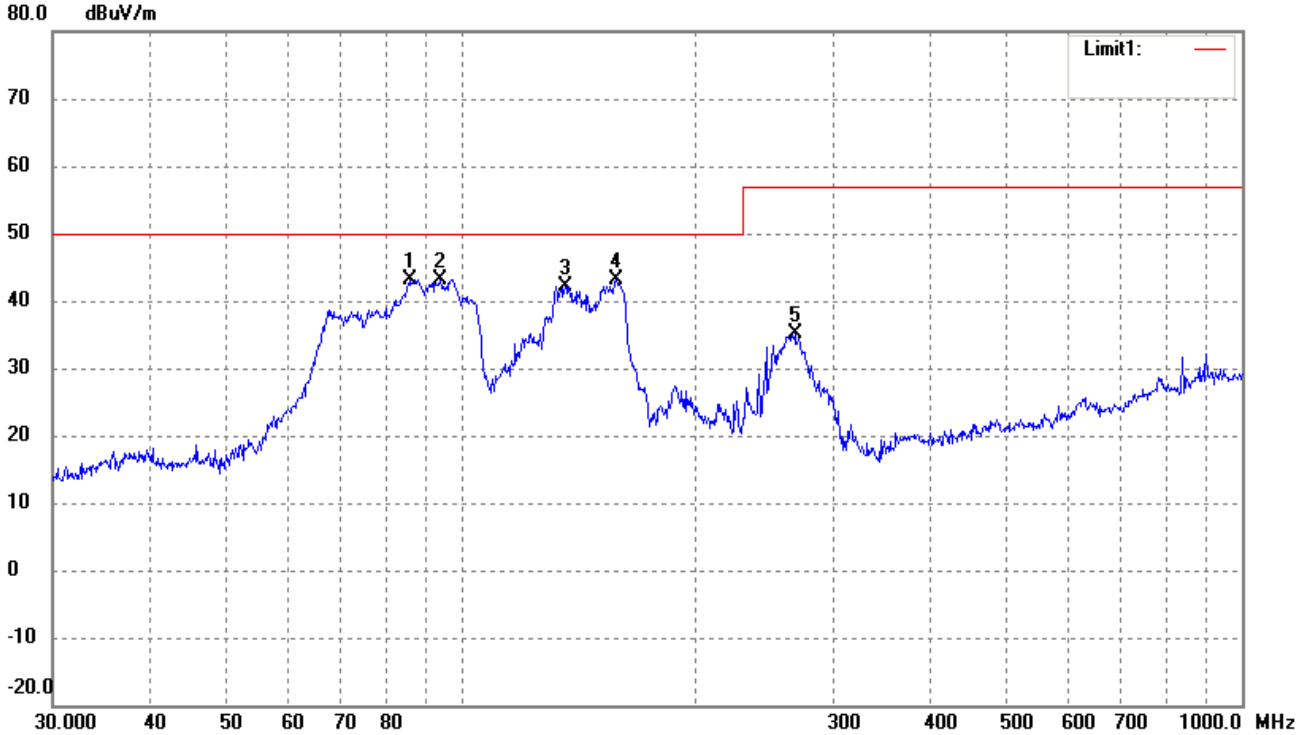


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.1347	51.53	-10.40	41.13	50.00	-8.87	132	100	peak
2	70.3365	59.72	-16.32	43.40	50.00	-6.60	255	100	QP
3	75.4463	63.18	-17.28	45.90	50.00	-4.10	103	100	QP
4	118.6014	57.86	-13.54	44.32	50.00	-5.68	342	100	peak
5	146.8877	58.25	-14.90	43.35	50.00	-6.65	275	100	peak
6	252.9482	43.03	-10.37	32.66	57.00	-24.34	123	100	peak

Plot of Radiated Emissions Test Data

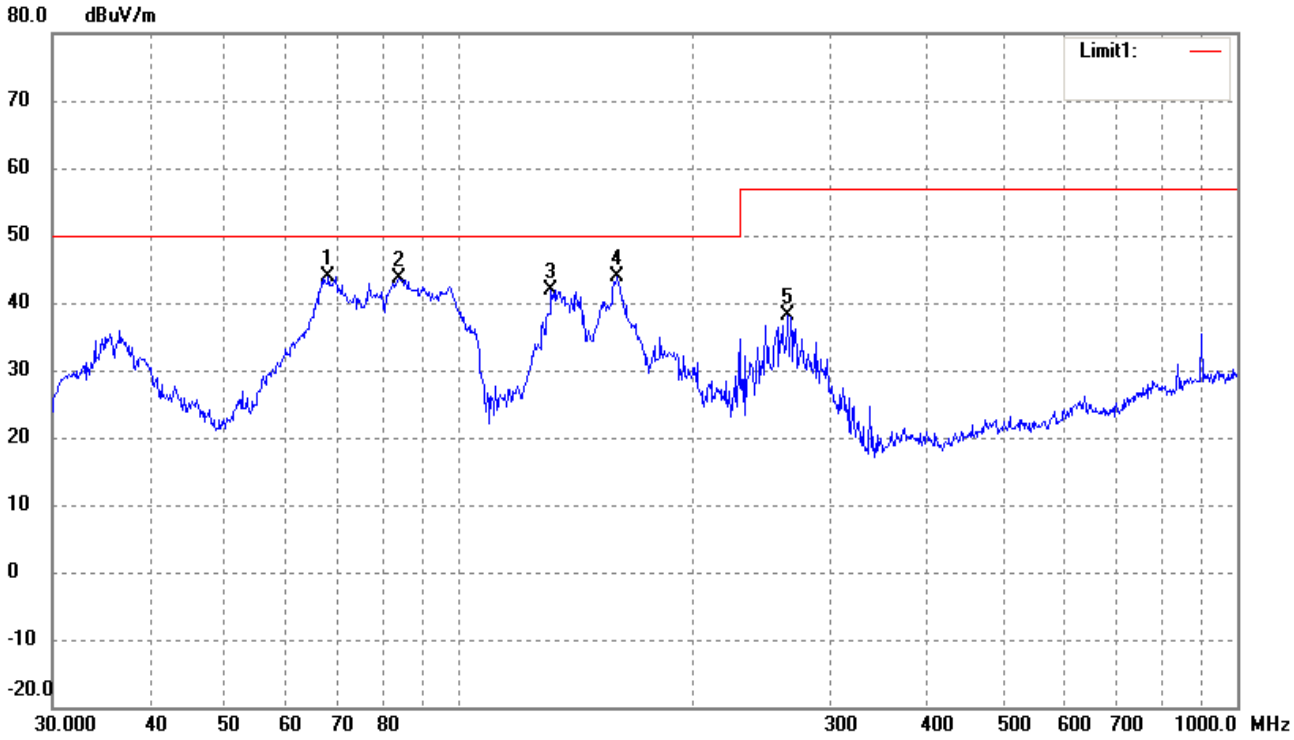
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	86.2001	57.93	-14.73	43.20	50.00	-6.80	253	100	peak
2	94.0979	55.94	-12.71	43.23	50.00	-6.77	185	100	peak
3	135.9822	56.81	-14.58	42.23	50.00	-7.77	153	100	peak
4	158.1123	58.20	-15.02	43.18	50.00	-6.82	97	100	peak
5	267.5455	44.97	-9.85	35.12	57.00	-21.88	335	100	peak

Test Specification: *Vertical*

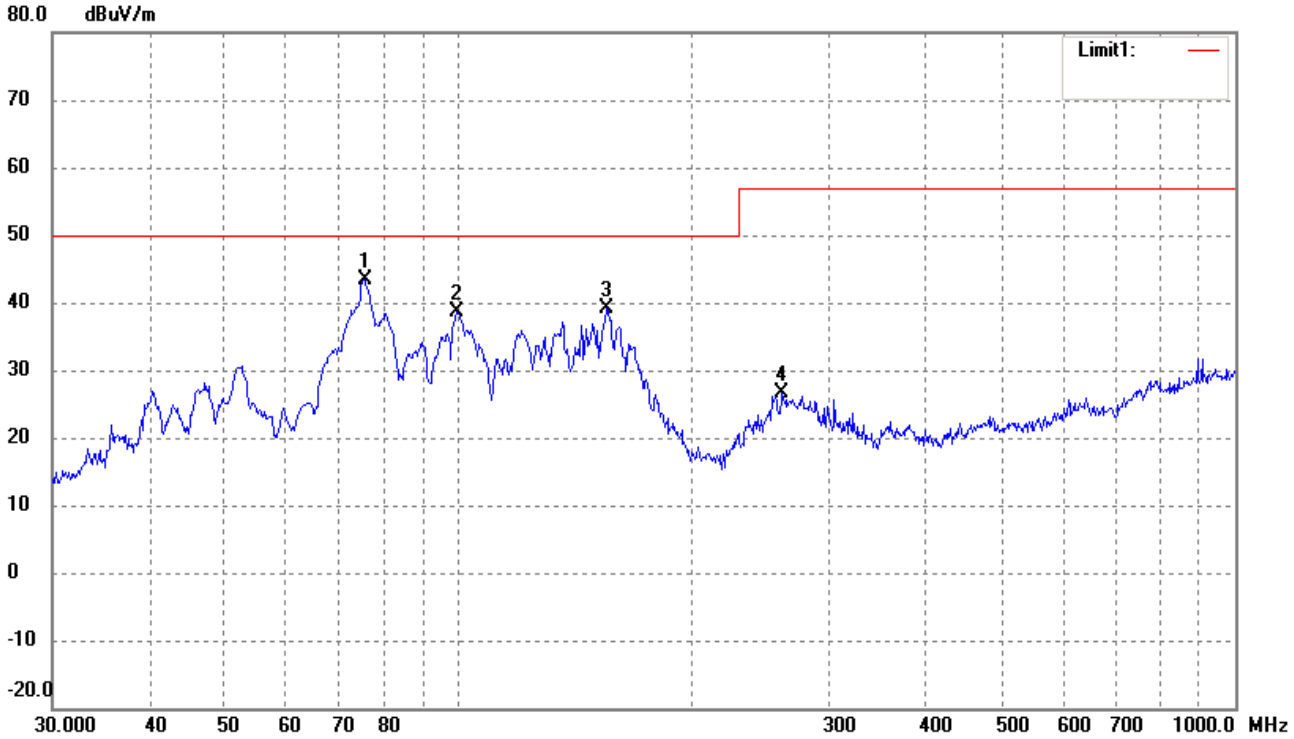


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	67.9129	59.54	-15.72	43.82	50.00	-6.18	315	100	peak
2	83.5222	60.18	-16.55	43.63	50.00	-6.37	276	100	peak
3	131.2965	56.14	-14.32	41.82	50.00	-8.18	45	100	peak
4	159.7844	59.02	-15.03	43.99	50.00	-6.01	60	100	peak
5	264.7457	48.06	-9.94	38.12	57.00	-18.88	173	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	75.7113	59.20	-15.78	43.42	50.00	-6.58	351	100	peak
2	99.5280	50.21	-11.50	38.71	50.00	-11.29	326	100	peak
3	155.3643	54.18	-15.00	39.18	50.00	-10.82	183	100	peak
4	261.0582	36.72	-10.04	26.68	57.00	-30.32	112	100	peak

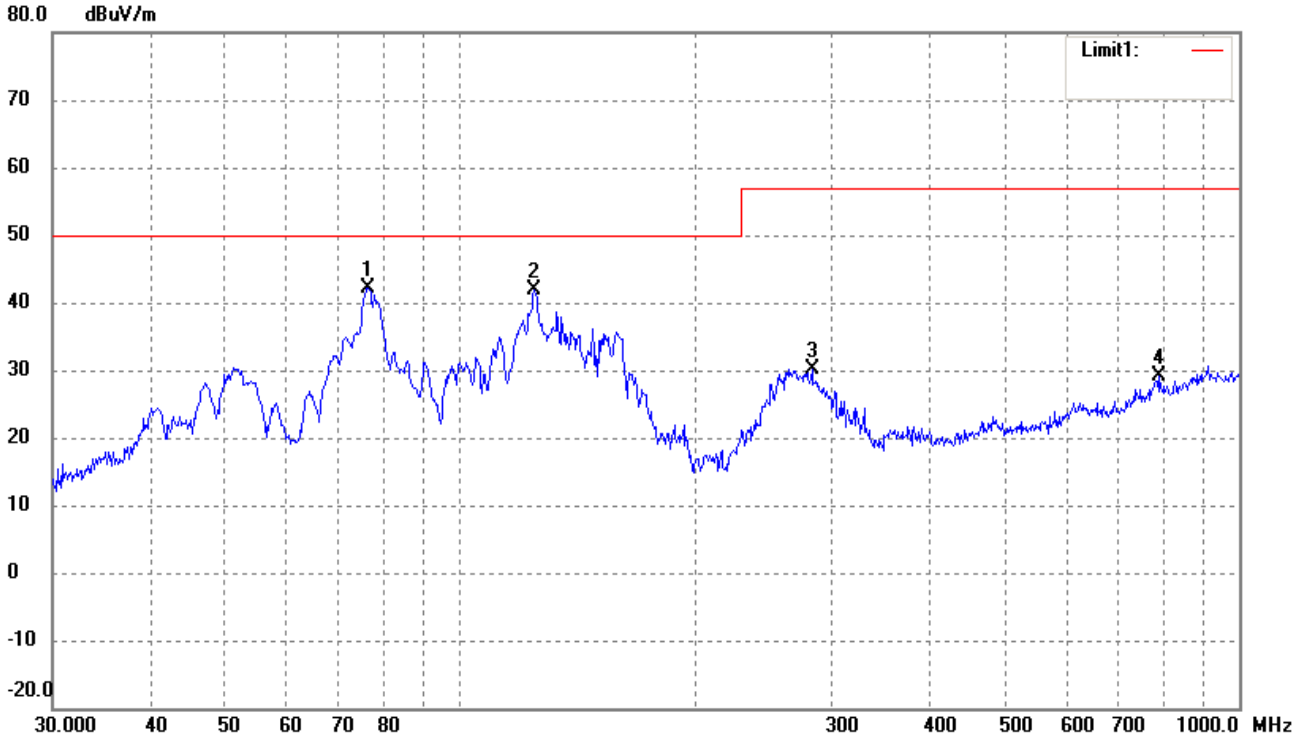
Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.7147	53.87	-10.46	43.41	50.00	-6.59	231	100	peak
2	52.3913	51.03	-11.19	39.84	50.00	-10.16	153	100	peak
3	75.7112	59.47	-17.34	42.13	50.00	-7.87	79	100	QP
4	148.9625	57.54	-14.93	42.61	50.00	-7.39	312	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	76.2442	58.03	-15.87	42.16	50.00	-7.84	213	100	peak
2	124.5690	55.73	-13.95	41.78	50.00	-8.22	321	100	peak
3	282.9852	39.75	-9.54	30.21	57.00	-26.79	123	100	peak
4	790.6187	29.01	0.21	29.22	57.00	-27.78	23	100	peak

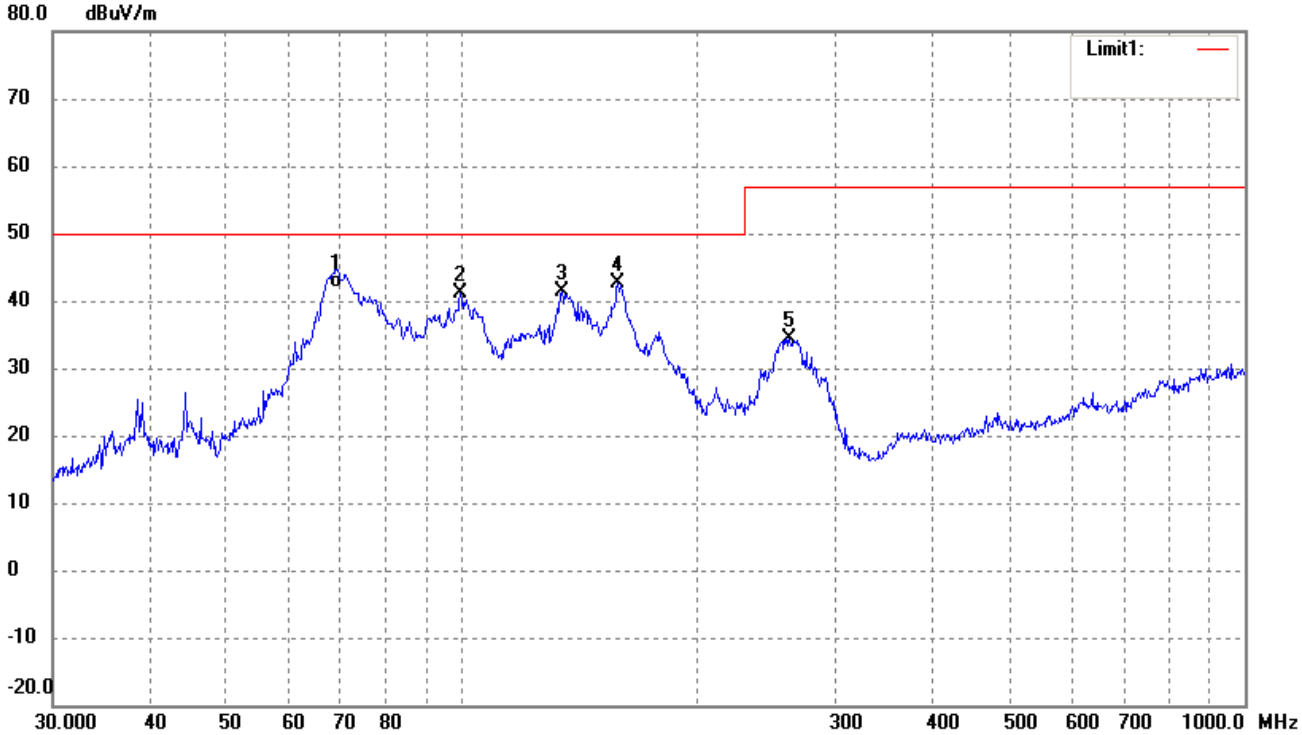
Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.5591	54.28	-10.40	43.88	50.00	-6.12	185	100	peak
2	77.3212	60.61	-17.64	42.97	50.00	-7.03	96	100	QP
3	83.5221	59.96	-16.55	43.41	50.00	-6.59	231	100	peak
4	158.1123	56.41	-15.02	41.39	50.00	-8.61	348	100	peak
5	249.4250	44.91	-10.52	34.39	57.00	-22.61	150	100	peak

Plot of Radiated Emissions Test Data

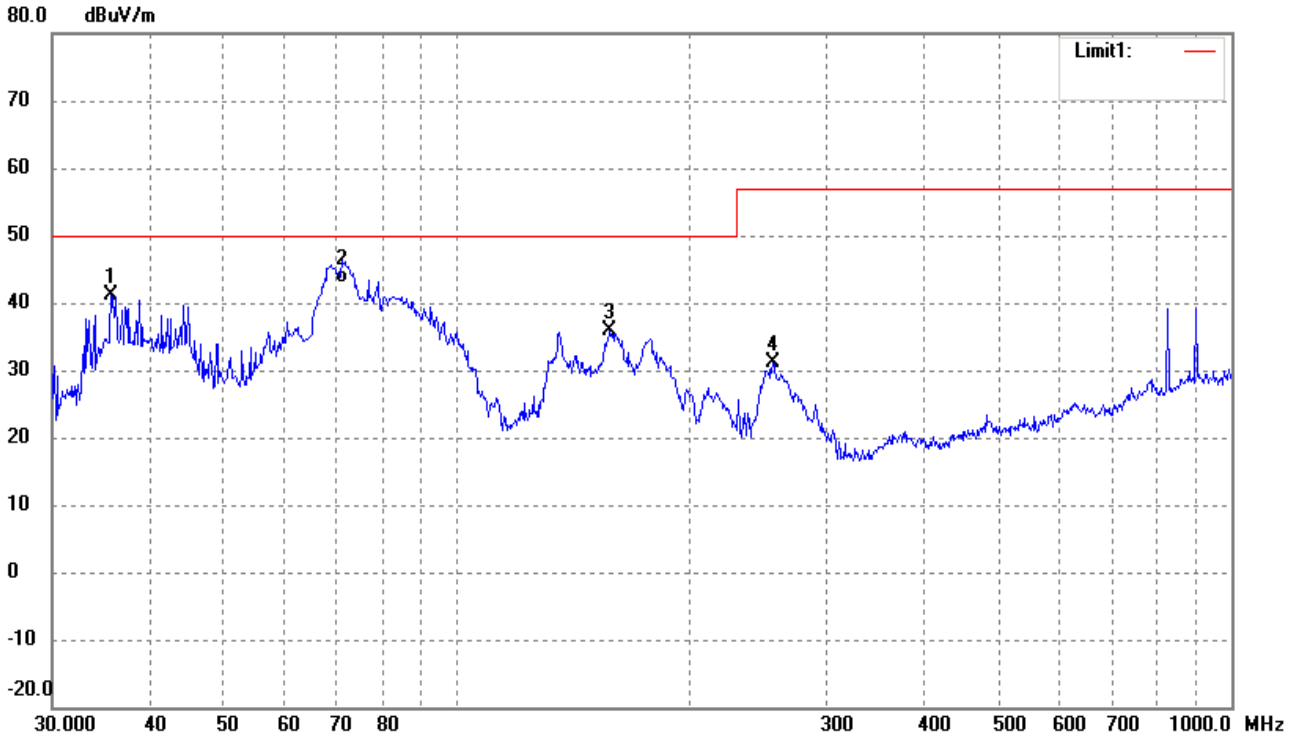
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	69.1141	56.47	-14.49	41.98	50.00	-8.02	231	100	QP
2	99.5281	52.55	-11.50	41.05	50.00	-8.95	153	100	peak
3	134.0882	55.83	-14.48	41.35	50.00	-8.65	93	100	peak
4	158.1123	57.60	-15.02	42.58	50.00	-7.42	331	100	peak
5	261.9753	44.44	-10.02	34.42	57.00	-22.58	88	100	peak

Test Specification: *Vertical*

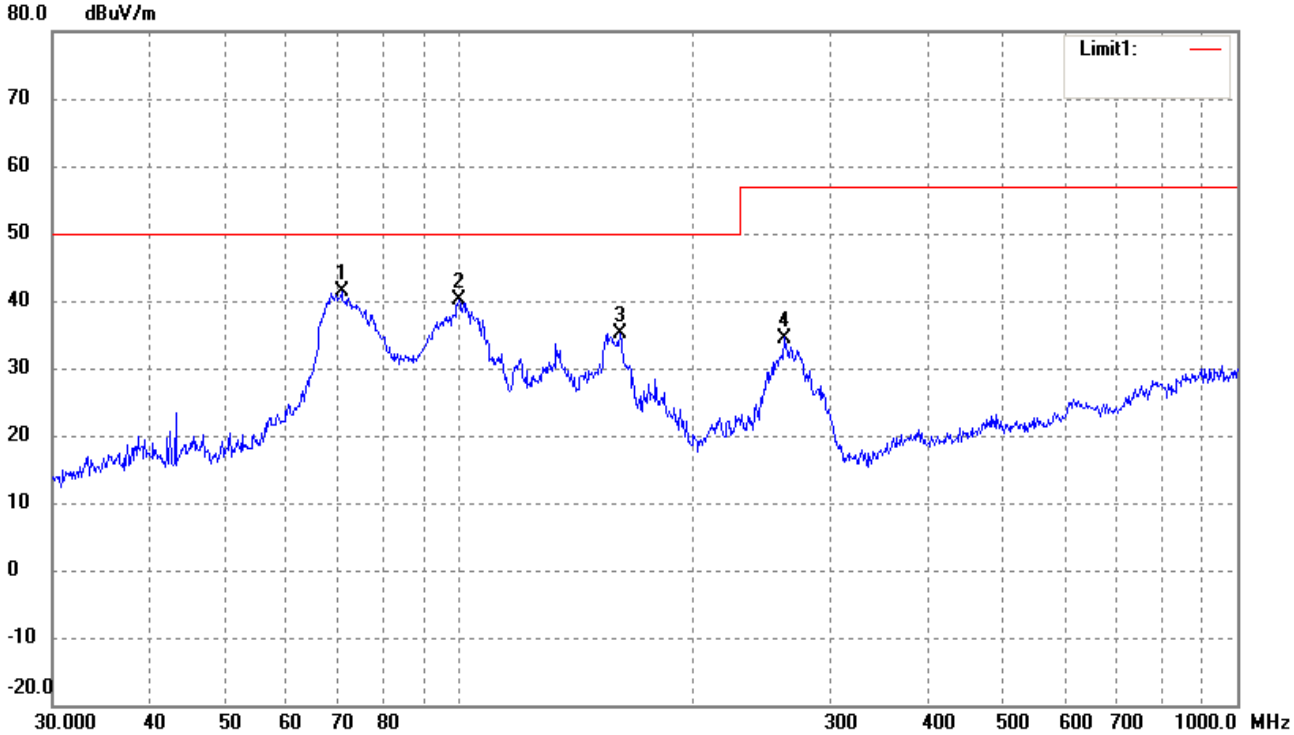


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	35.7491	52.55	-11.38	41.17	50.00	-8.83	235	100	peak
2	71.0803	59.36	-16.47	42.89	50.00	-7.11	183	100	QP
3	157.5589	50.98	-15.01	35.97	50.00	-14.03	321	100	peak
4	255.6231	41.39	-10.26	31.13	57.00	-25.87	99	100	peak

Plot of Radiated Emissions Test Data

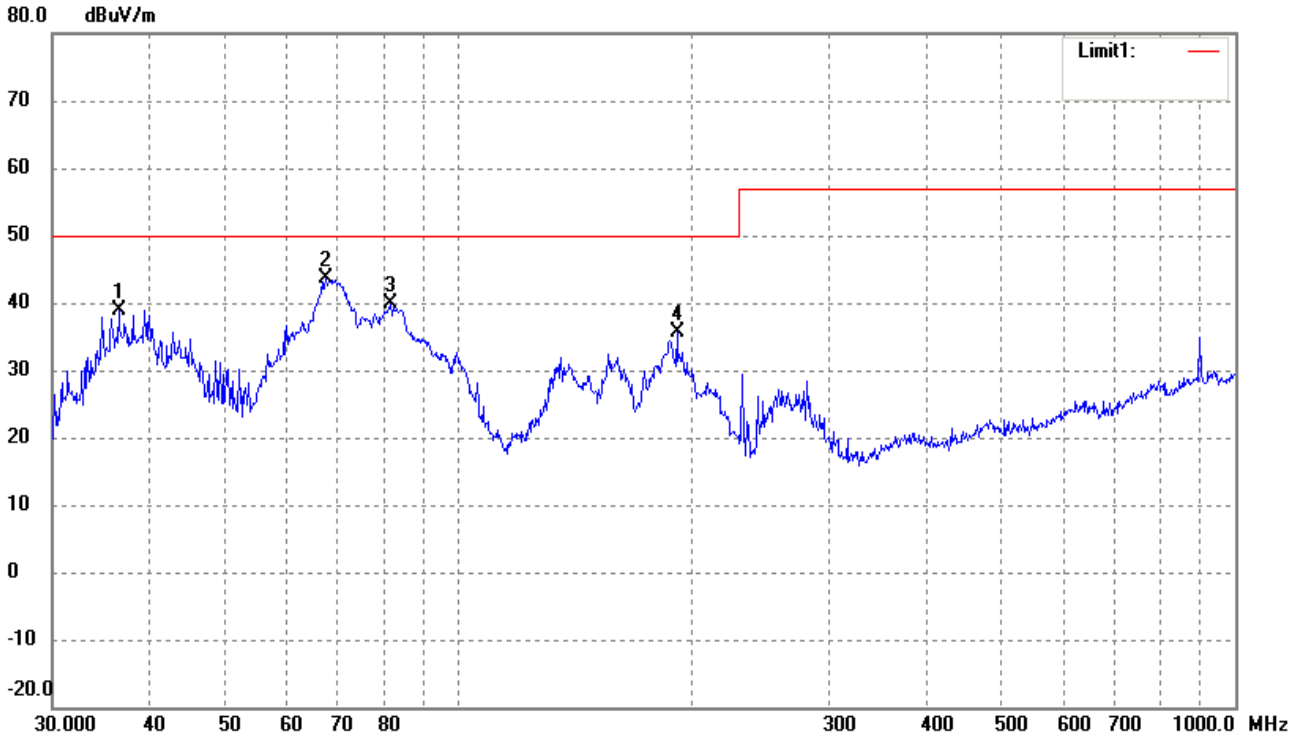
EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	70.5836	56.14	-14.87	41.27	50.00	-8.73	256	100	peak
2	99.8777	51.58	-11.43	40.15	50.00	-9.85	153	100	peak
3	160.9089	50.07	-15.00	35.07	50.00	-14.93	90	100	peak
4	261.9753	44.52	-10.02	34.50	57.00	-22.50	334	100	peak

Test Specification: *Vertical*

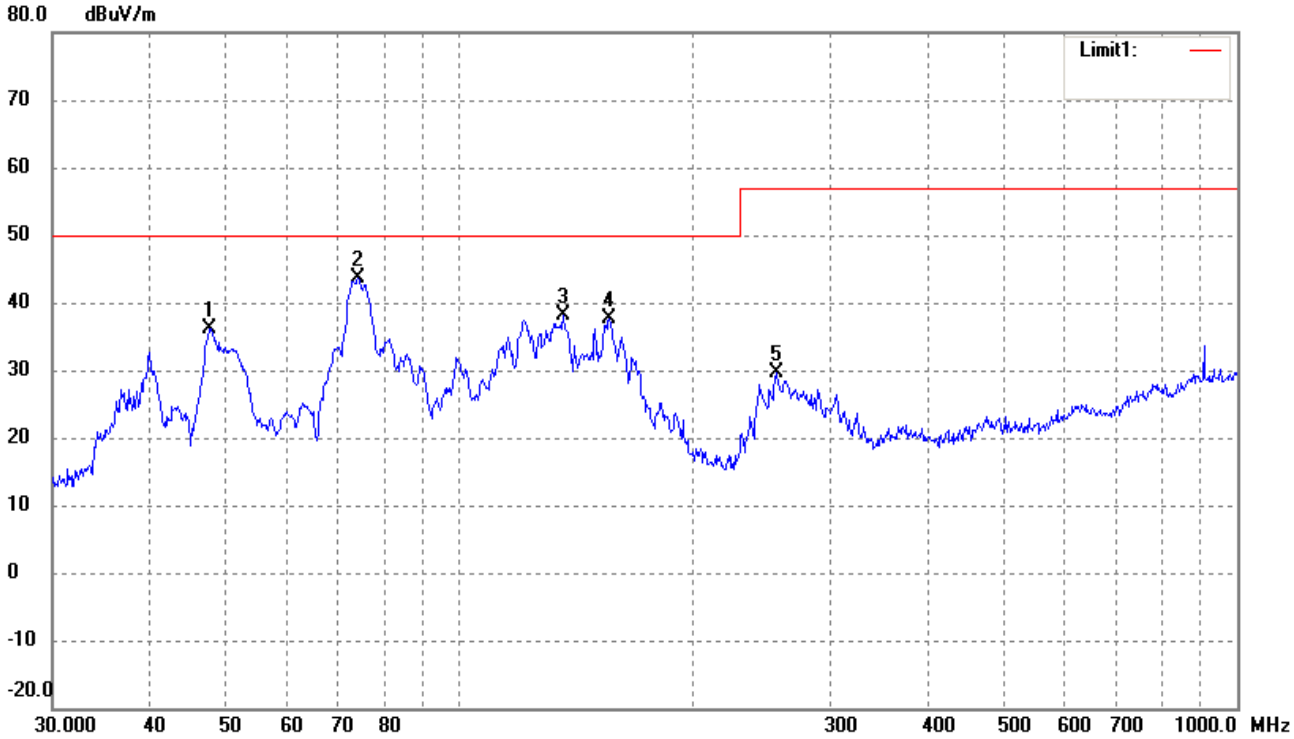


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.5092	50.15	-11.20	38.95	50.00	-11.05	360	100	peak
2	67.4382	59.29	-15.60	43.69	50.00	-6.31	299	100	peak
3	81.7833	57.25	-17.34	39.91	50.00	-10.09	45	100	peak
4	191.0738	48.44	-12.77	35.67	50.00	-14.33	186	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.6585	46.89	-10.66	36.23	50.00	-13.77	231	100	peak
2	74.1350	59.16	-15.49	43.67	50.00	-6.33	153	100	peak
3	135.9822	52.82	-14.58	38.24	50.00	-11.76	98	100	peak
4	155.9100	52.64	-15.00	37.64	50.00	-12.36	321	100	peak
5	255.6230	39.81	-10.26	29.55	57.00	-27.45	221	100	peak

Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.9941	52.53	-10.40	42.13	50.00	-7.87	231	100	QP
2	47.4917	53.95	-10.43	43.52	50.00	-6.48	65	100	peak
3	81.2116	60.20	-17.59	42.61	50.00	-7.39	172	100	QP
4	119.0180	54.31	-13.59	40.72	50.00	-9.28	112	100	peak
5	154.8205	53.64	-14.99	38.65	50.00	-11.35	333	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Horizontal*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.8260	47.94	-10.65	37.29	50.00	-12.71	231	100	peak
2	75.1822	59.33	-15.68	43.65	50.00	-6.35	153	100	QP
3	98.1419	49.62	-11.81	37.81	50.00	-12.19	321	100	peak
4	159.7844	54.86	-15.03	39.83	50.00	-10.17	63	100	peak
5	250.3011	41.51	-10.49	31.02	57.00	-25.98	43	100	peak

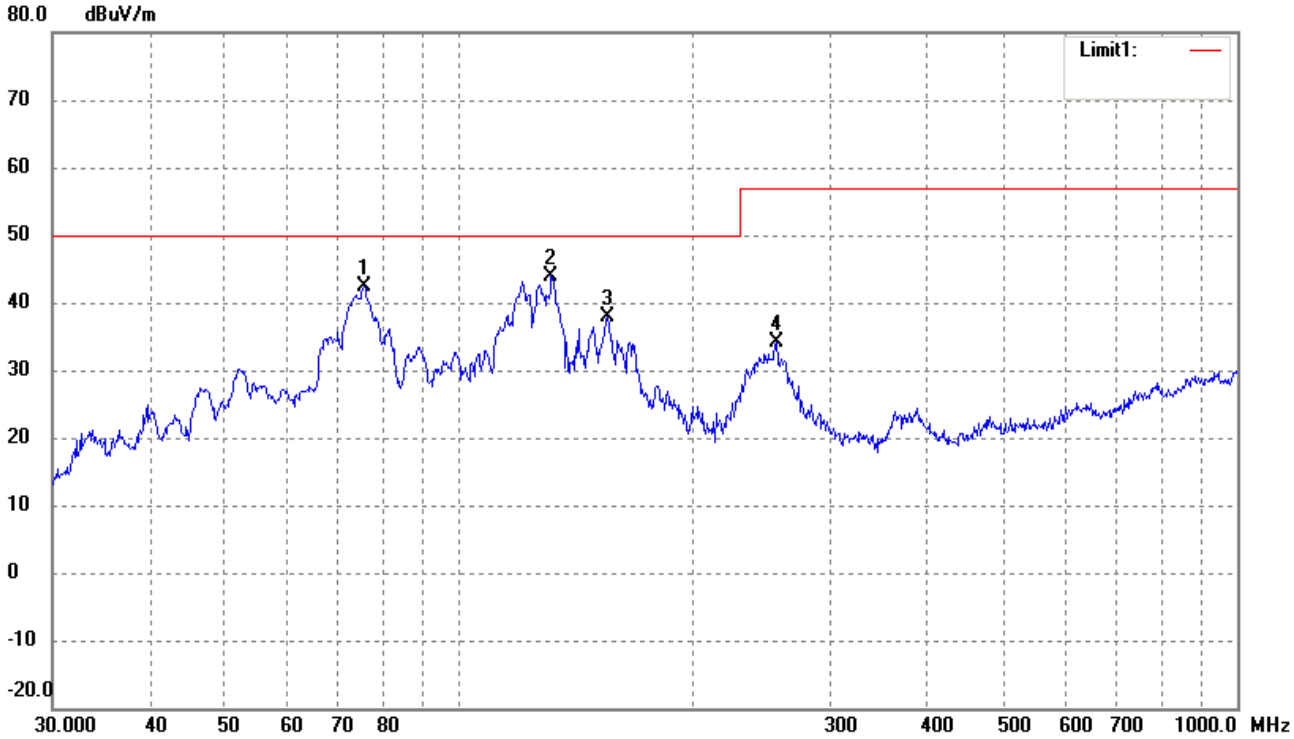
Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.1614	53.85	-10.59	43.26	50.00	-6.74	231	100	peak
2	47.8260	52.52	-10.42	42.10	50.00	-7.90	180	100	QP
3	75.1821	61.03	-17.23	43.80	50.00	-6.20	123	100	QP
4	158.1123	58.23	-15.02	43.21	50.00	-6.79	321	100	QP

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	75.4463	58.07	-15.73	42.34	50.00	-7.66	113	100	peak
2	131.2965	58.32	-14.32	44.00	50.00	-6.00	189	100	peak
3	154.8205	52.87	-14.99	37.88	50.00	-12.12	97	100	peak
4	255.6230	44.38	-10.26	34.12	57.00	-22.88	273	100	peak

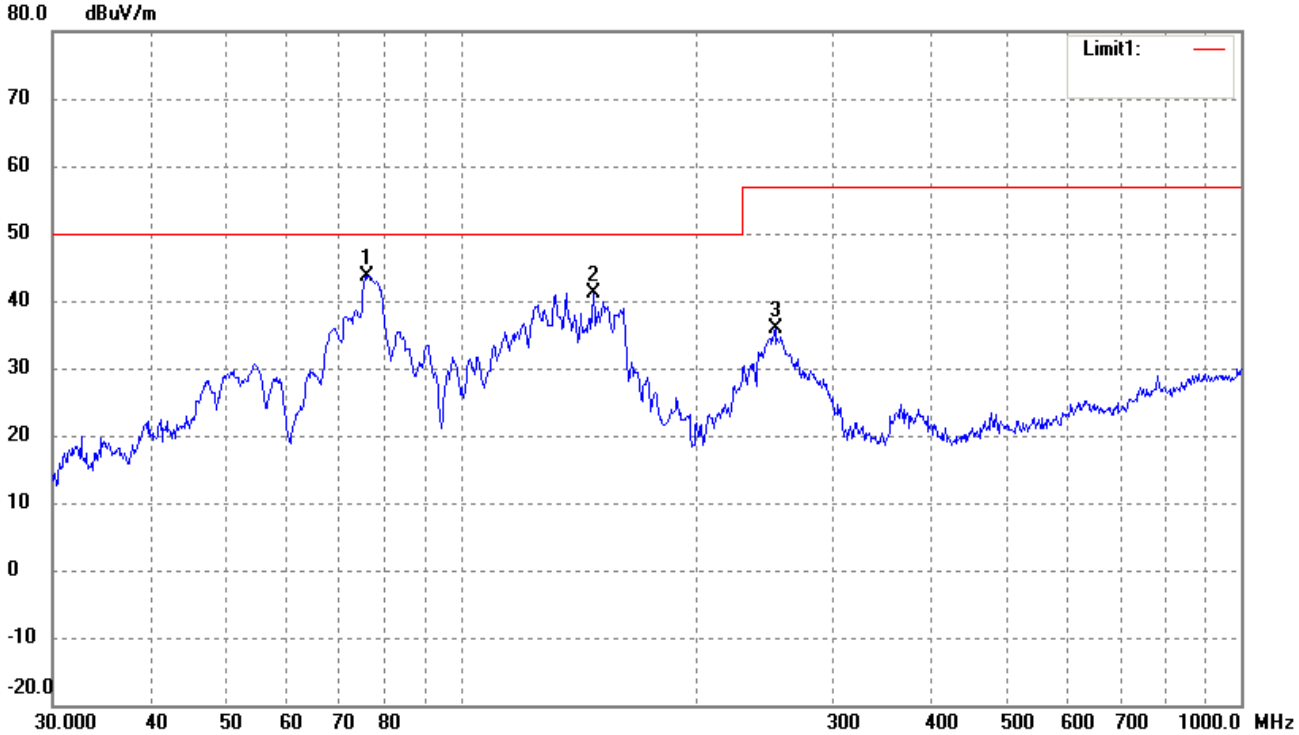
Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.4172	54.15	-10.41	43.74	50.00	-6.26	273	100	peak
2	75.4462	60.04	-17.28	42.76	50.00	-7.24	183	100	QP
3	121.1230	56.70	-13.76	42.94	50.00	-7.06	99	100	peak
4	155.9099	56.34	-15.00	41.34	50.00	-8.66	324	100	peak
5	244.2321	45.11	-10.76	34.35	57.00	-22.65	265	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	75.9772	59.50	-15.83	43.67	50.00	-6.33	231	100	peak
2	147.9214	56.11	-14.92	41.19	50.00	-8.81	181	100	peak
3	252.9482	46.16	-10.37	35.79	57.00	-21.21	43	100	peak

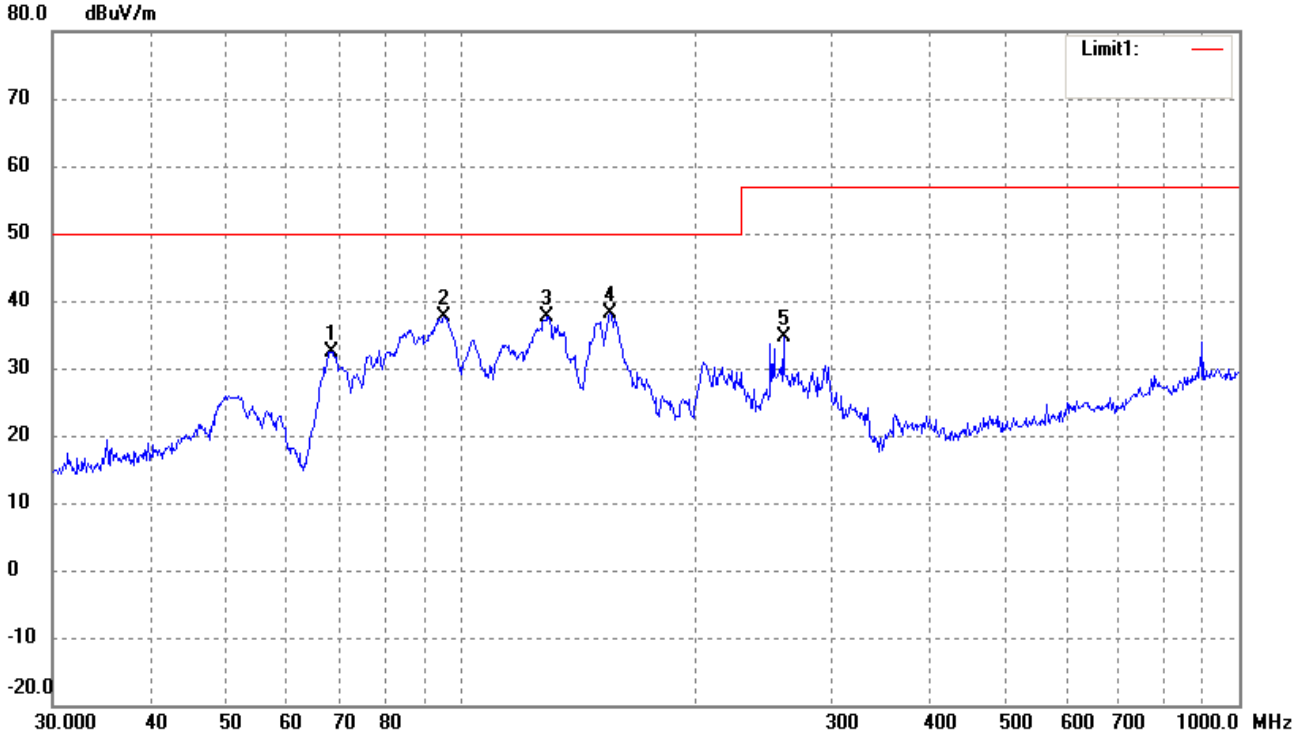
Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	34.3962	55.24	-11.69	43.55	50.00	-6.45	234	100	peak
2	76.5121	60.28	-17.49	42.79	50.00	-7.21	183	100	QP
3	147.4036	57.13	-14.92	42.21	50.00	-7.79	156	100	peak
4	249.4250	43.06	-10.52	32.54	57.00	-24.46	42	100	peak

Plot of Radiated Emissions Test Data

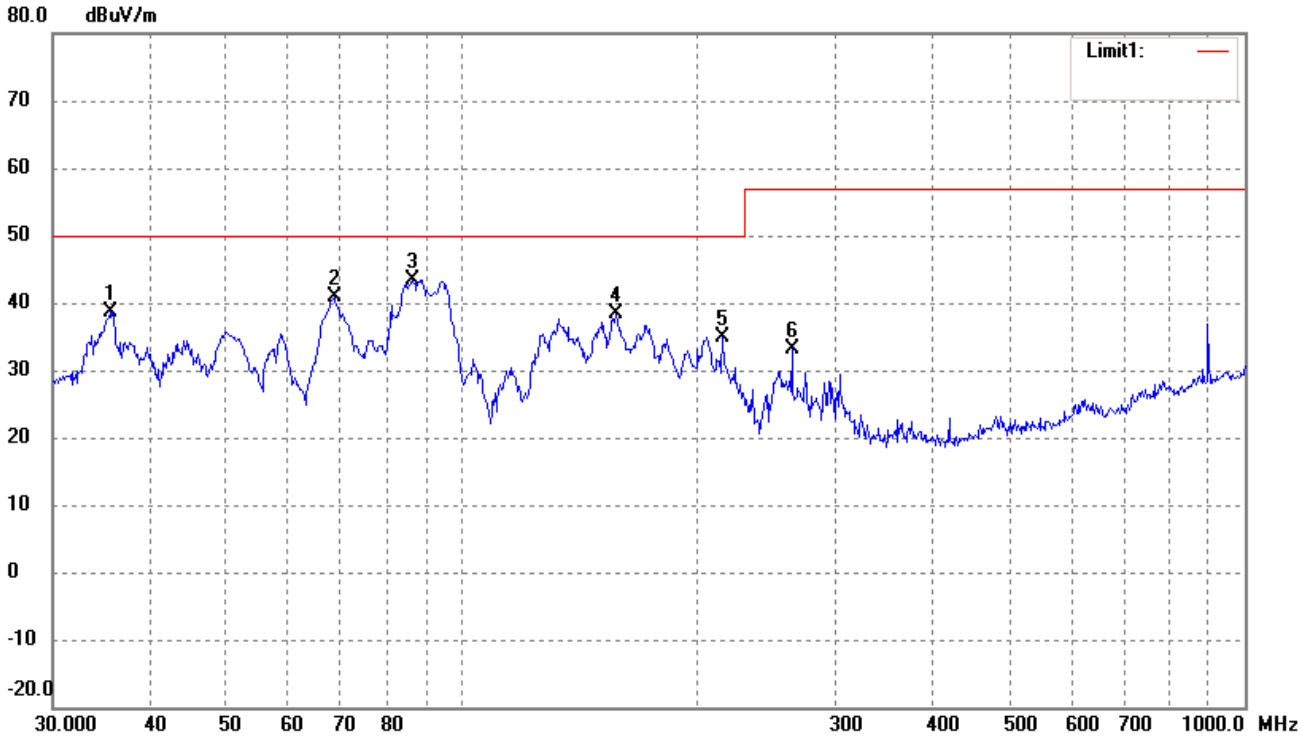
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	68.3908	46.72	-14.28	32.44	50.00	-17.56	231	100	peak
2	95.4270	49.97	-12.42	37.55	50.00	-12.45	146	100	peak
3	129.4678	51.91	-14.23	37.68	50.00	-12.32	45	100	peak
4	155.9101	53.21	-15.00	38.21	50.00	-11.79	234	100	peak
5	260.1444	44.74	-10.07	34.67	57.00	-22.33	332	100	peak

Test Specification: *Vertical*

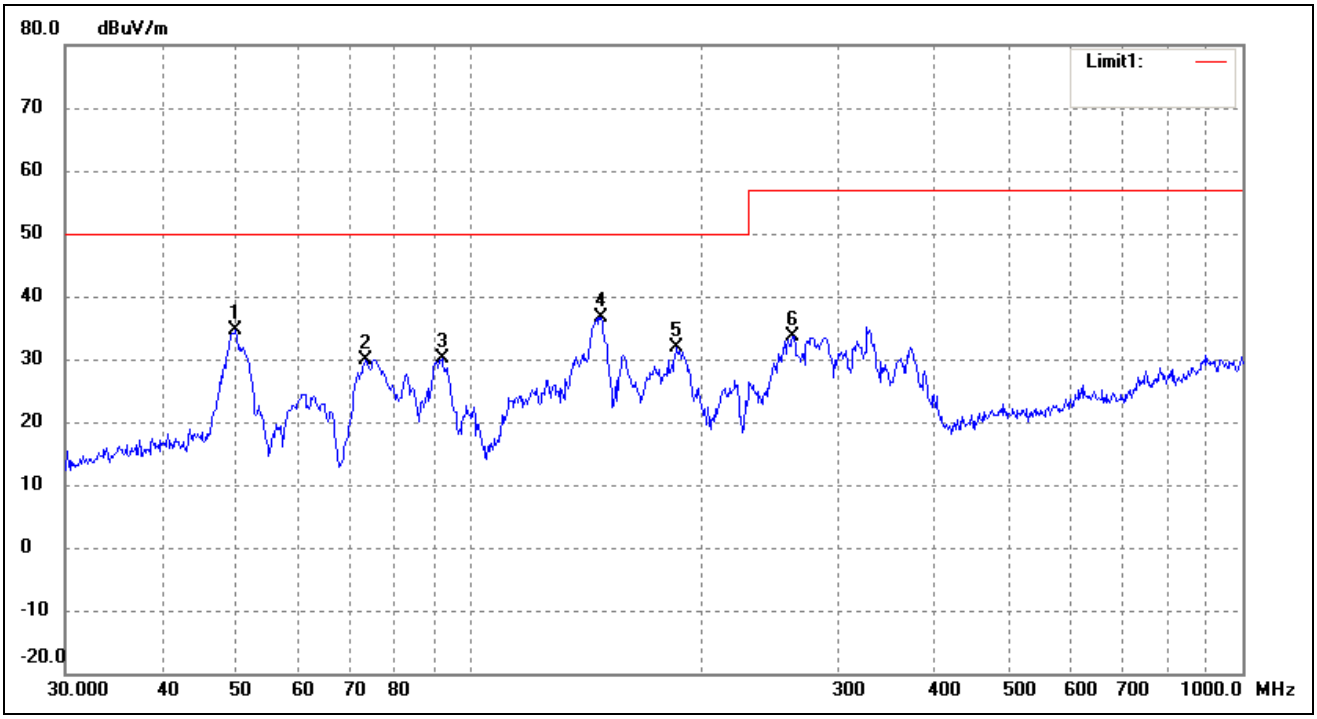


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	35.4993	49.99	-11.43	38.56	50.00	-11.44	231	100	peak
2	68.6310	56.66	-15.90	40.76	50.00	-9.24	143	100	peak
3	86.5028	58.63	-15.20	43.43	50.00	-6.57	342	100	peak
4	157.5588	53.40	-15.01	38.39	50.00	-11.61	99	100	peak
5	215.2678	47.11	-12.27	34.84	50.00	-15.16	186	100	peak
6	263.8190	43.17	-9.96	33.21	57.00	-23.79	283	100	peak

Plot of Radiated Emissions Test Data

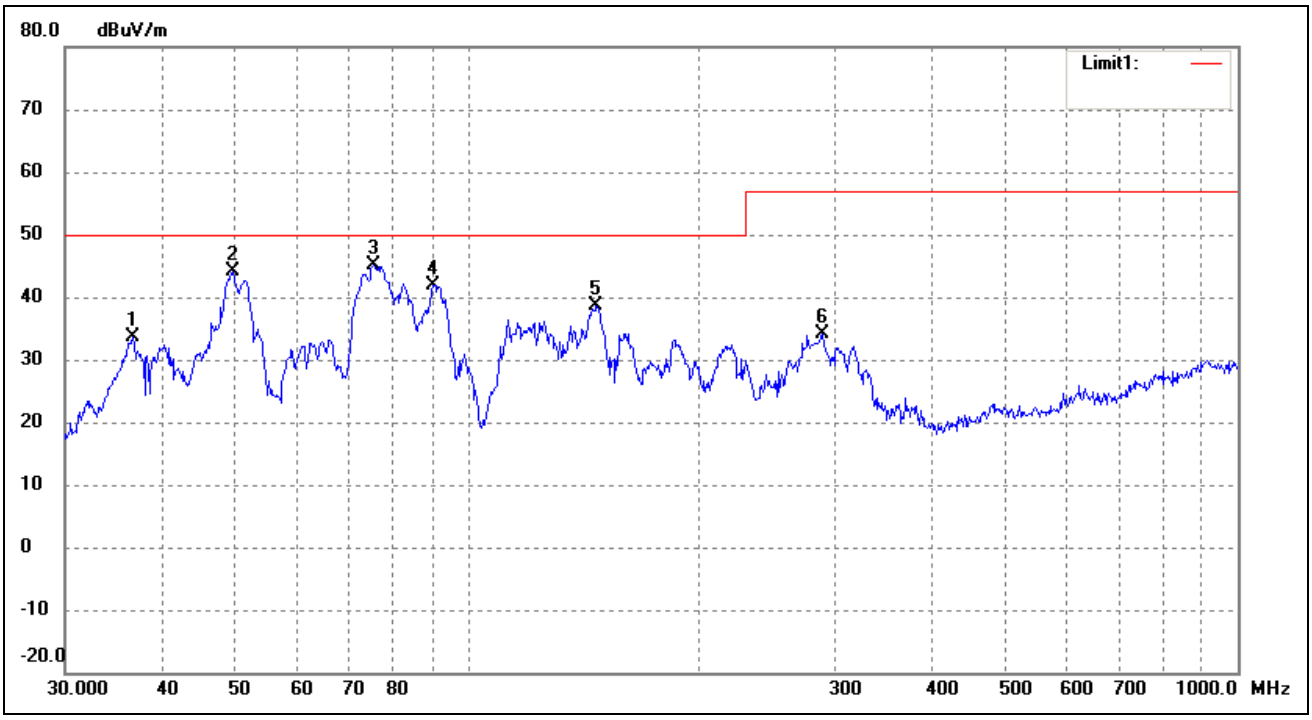
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.8814	45.44	-10.70	34.74	50.00	-15.26	39	100	peak
2	73.3593	45.27	-15.35	29.92	50.00	-20.08	133	100	peak
3	92.1388	43.20	-13.15	30.05	50.00	-19.95	346	100	peak
4	147.9214	51.61	-14.92	36.69	50.00	-13.31	207	100	peak
5	185.1379	45.50	-13.55	31.95	50.00	-18.05	123	100	peak
6	261.9753	43.62	-10.02	33.60	57.00	-23.40	64	100	peak

Test Specification: *Vertical*

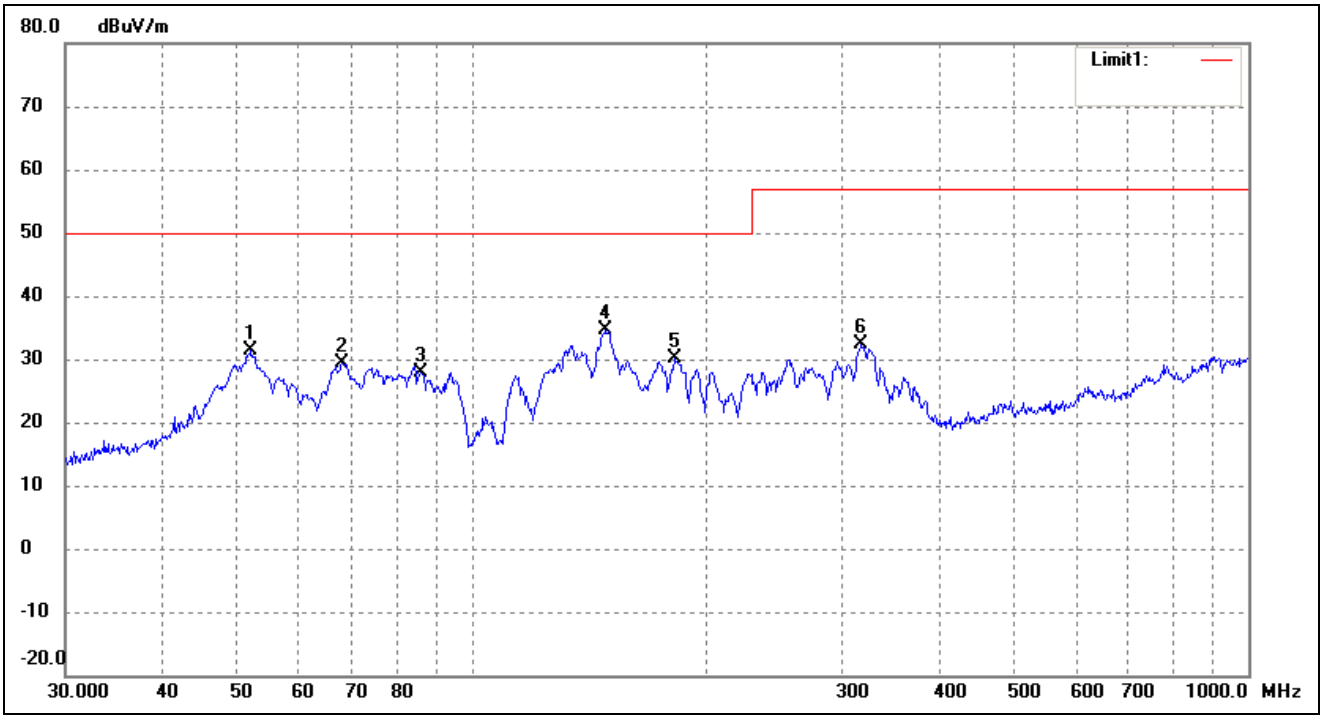


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	36.7662	44.81	-11.14	33.67	50.00	-16.33	342	100	peak
2	49.5328	54.50	-10.40	44.10	50.00	-5.90	210	100	peak
3	75.4464	62.37	-17.28	45.09	50.00	-4.91	133	100	peak
4	90.2205	55.39	-13.57	41.82	50.00	-8.18	289	100	peak
5	146.8877	53.45	-14.90	38.55	50.00	-11.45	301	100	peak
6	289.0021	43.63	-9.62	34.01	57.00	-22.99	26	100	peak

Plot of Radiated Emissions Test Data

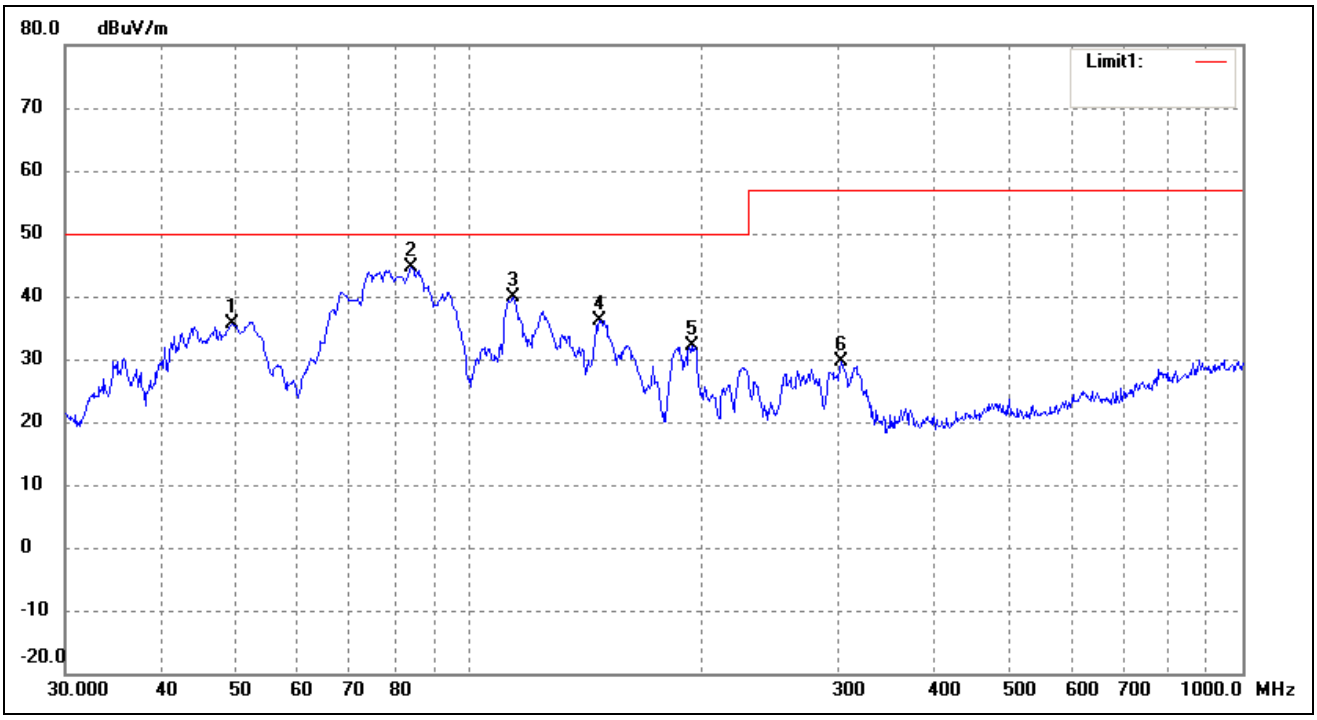
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.0251	42.40	-10.92	31.48	50.00	-18.52	16	100	peak
2	68.1514	43.50	-14.21	29.29	50.00	-20.71	258	100	peak
3	85.8984	42.79	-14.82	27.97	50.00	-22.03	196	100	peak
4	148.9625	49.47	-14.93	34.54	50.00	-15.46	341	100	peak
5	182.5592	44.00	-13.88	30.12	50.00	-19.88	152	100	peak
6	317.7011	42.02	-9.64	32.38	57.00	-24.62	25	100	peak

Test Specification: *Vertical*

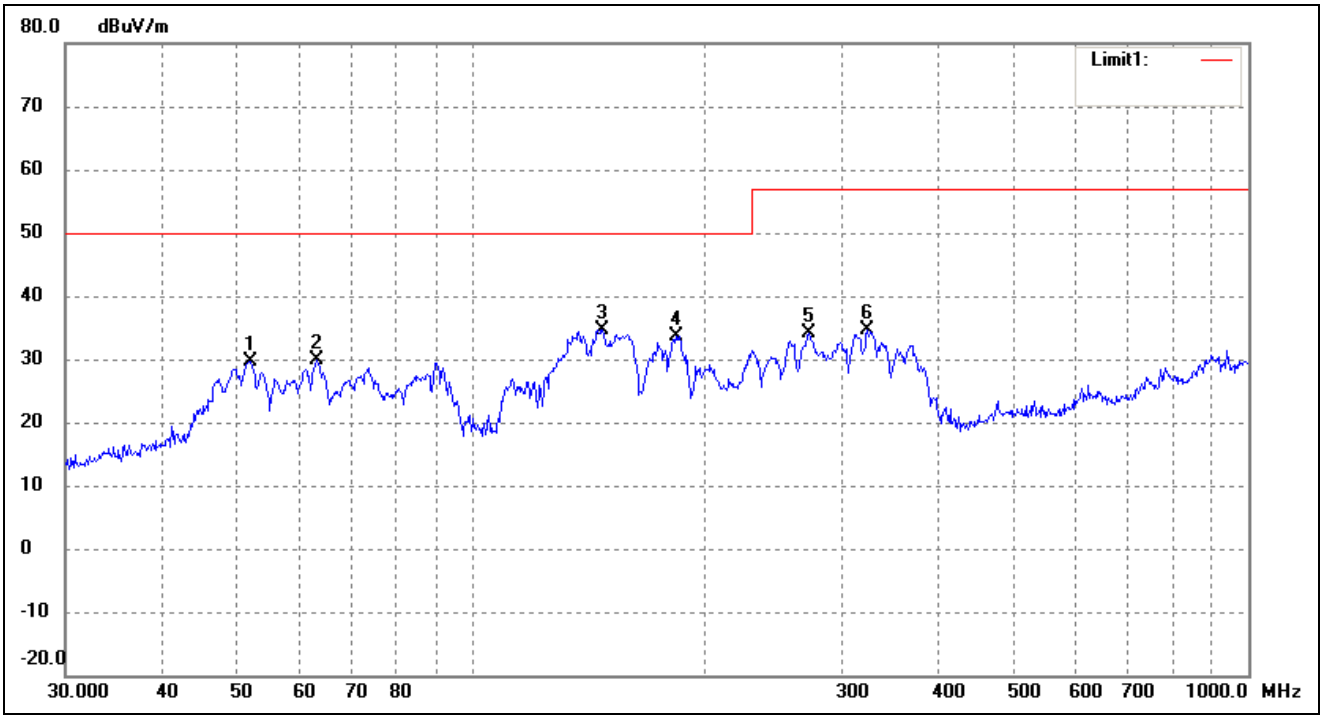


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.3594	45.92	-10.40	35.52	50.00	-14.48	315	100	peak
2	84.1100	60.94	-16.28	44.66	50.00	-5.34	101	100	peak
3	113.7143	52.96	-12.97	39.99	50.00	-10.01	125	100	peak
4	147.4036	51.13	-14.92	36.21	50.00	-13.79	169	100	peak
5	193.7728	44.57	-12.42	32.15	50.00	-17.85	274	100	peak
6	302.4812	39.45	-9.74	29.71	57.00	-27.29	222	100	peak

Plot of Radiated Emissions Test Data

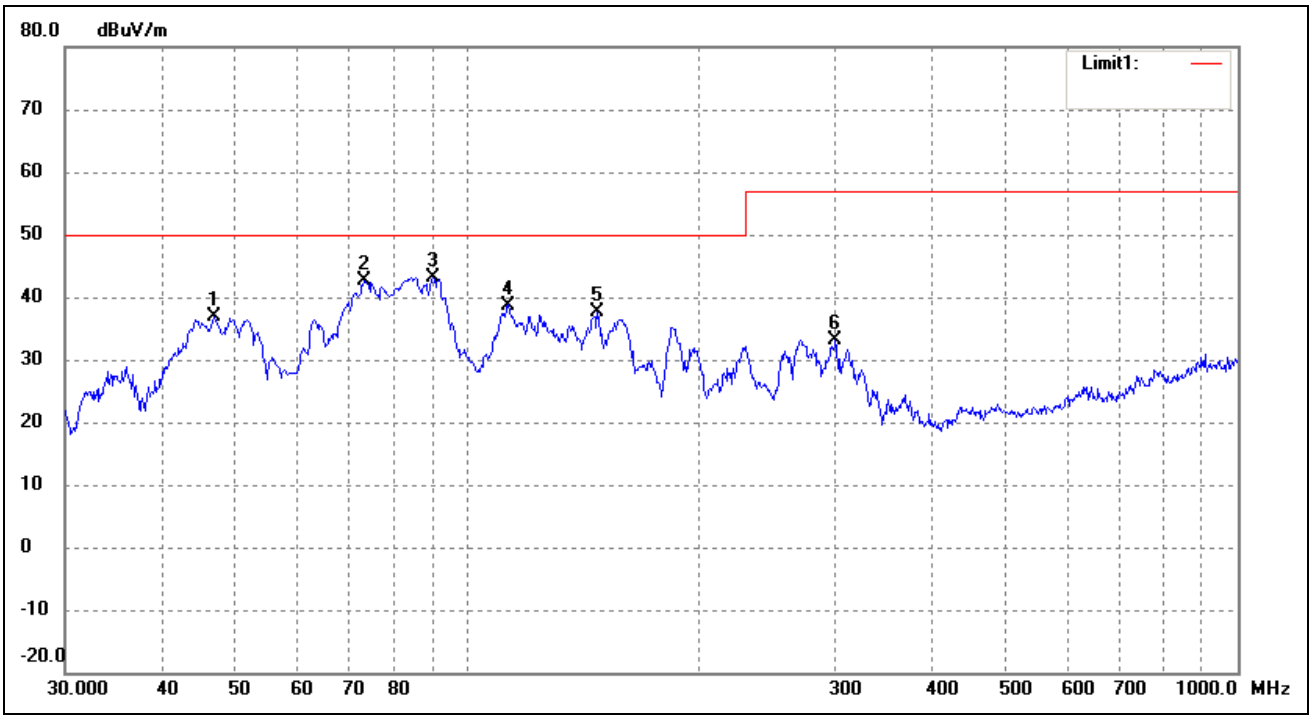
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.0251	40.64	-10.92	29.72	50.00	-20.28	94	100	peak
2	63.3132	42.63	-12.76	29.87	50.00	-20.13	150	100	peak
3	147.4036	49.59	-14.92	34.67	50.00	-15.33	66	100	peak
4	183.2005	47.34	-13.80	33.54	50.00	-16.46	203	100	peak
5	272.2776	43.83	-9.73	34.10	57.00	-22.90	166	100	peak
6	323.3204	44.26	-9.67	34.59	57.00	-22.41	345	100	peak

Test Specification: *Vertical*

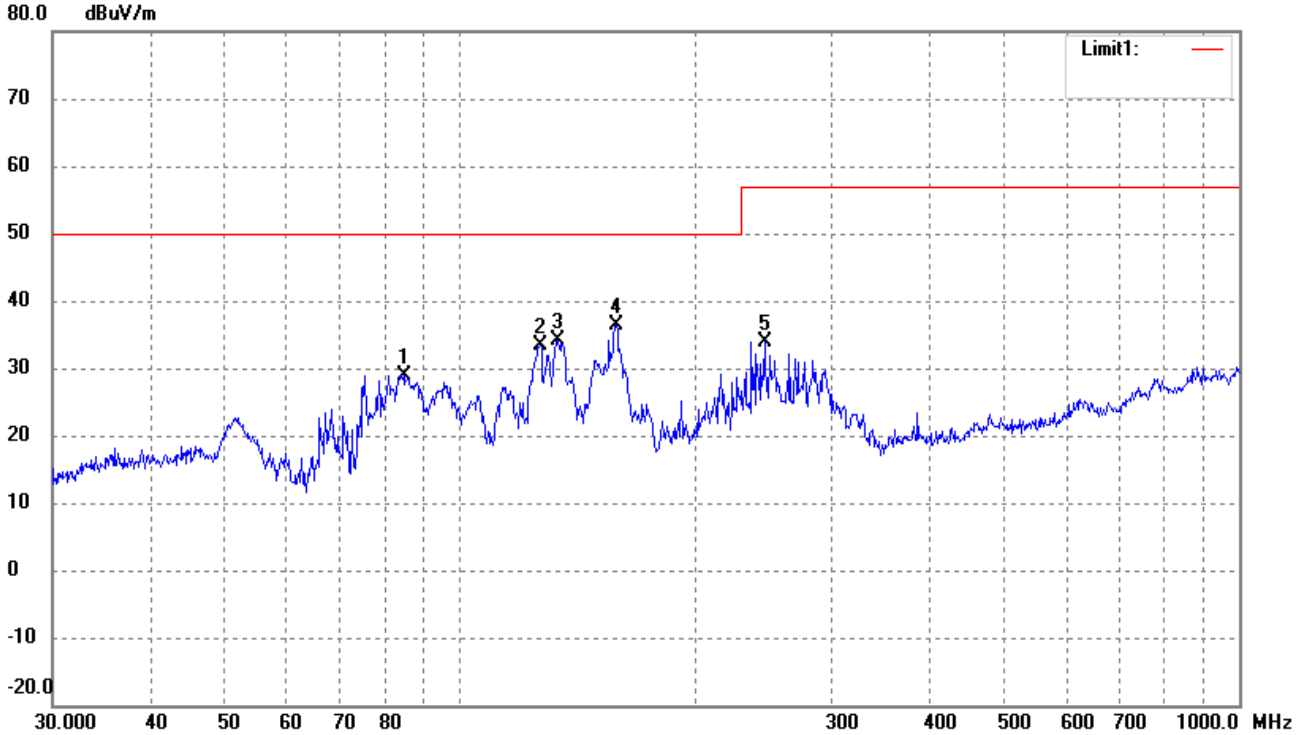


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.8303	47.35	-10.43	36.92	50.00	-13.08	160	100	peak
2	73.3593	59.58	-16.89	42.69	50.00	-7.31	158	100	peak
3	90.2205	56.79	-13.57	43.22	50.00	-6.78	25	100	peak
4	112.9196	51.63	-12.88	38.75	50.00	-11.25	130	100	peak
5	147.4036	52.61	-14.92	37.69	50.00	-12.31	352	100	peak
6	300.3673	42.82	-9.75	33.07	57.00	-23.93	169	100	peak

Plot of Radiated Emissions Test Data

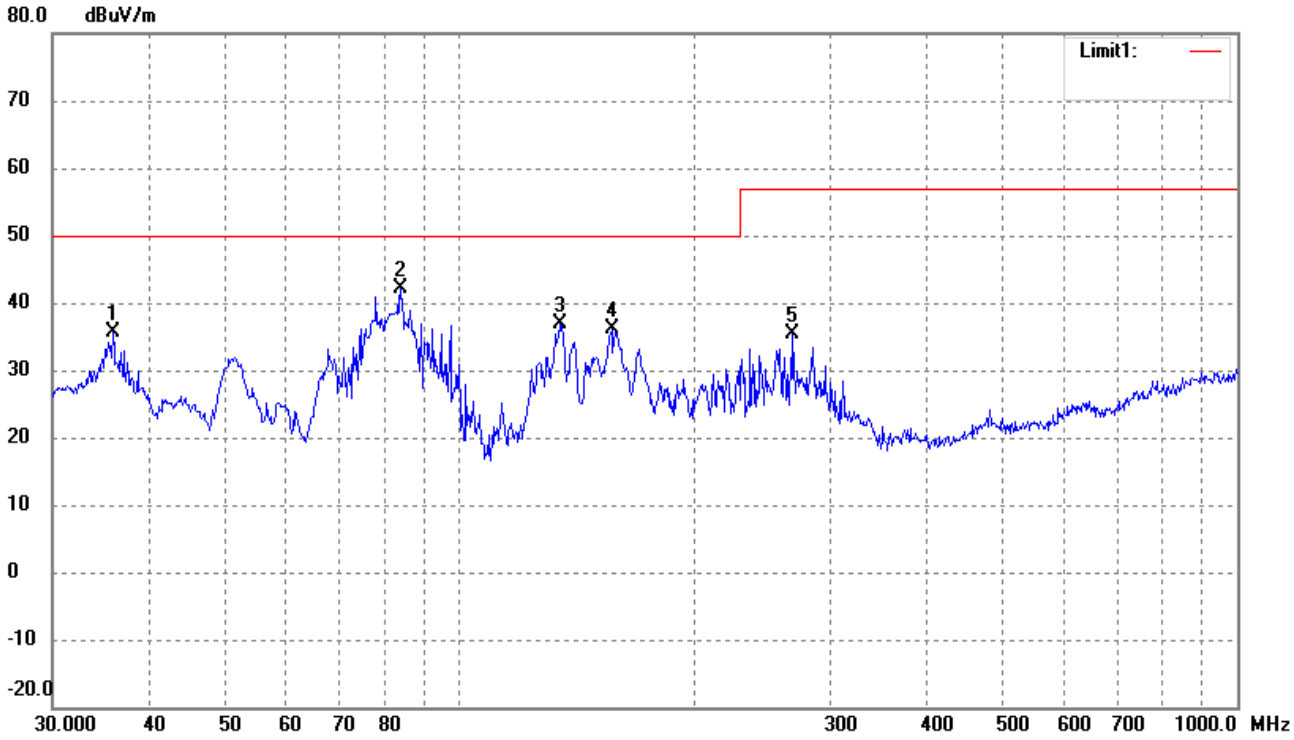
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	84.7019	44.11	-15.17	28.94	50.00	-21.06	231	100	peak
2	126.7723	47.56	-14.07	33.49	50.00	-16.51	46	100	peak
3	133.6188	48.65	-14.45	34.20	50.00	-15.80	183	100	peak
4	158.6677	51.52	-15.03	36.49	50.00	-13.51	88	100	peak
5	245.9509	44.52	-10.69	33.83	57.00	-23.17	360	100	peak

Test Specification: *Vertical*

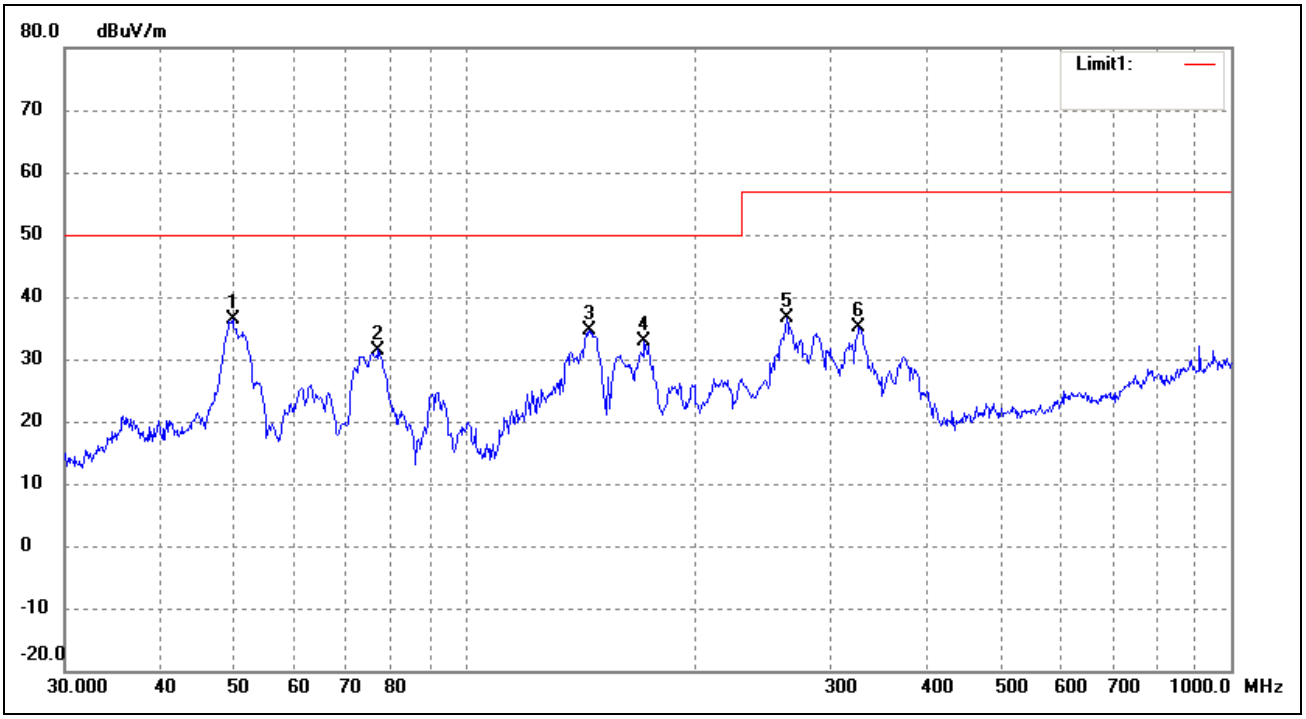


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	35.8747	46.89	-11.35	35.54	50.00	-14.46	213	100	peak
2	84.1100	58.34	-16.28	42.06	50.00	-7.94	180	100	peak
3	134.5592	51.27	-14.50	36.77	50.00	-13.23	93	100	peak
4	157.0074	51.05	-15.02	36.03	50.00	-13.97	56	100	peak
5	268.4853	45.24	-9.83	35.41	57.00	-21.59	163	100	peak

Plot of Radiated Emissions Test Data

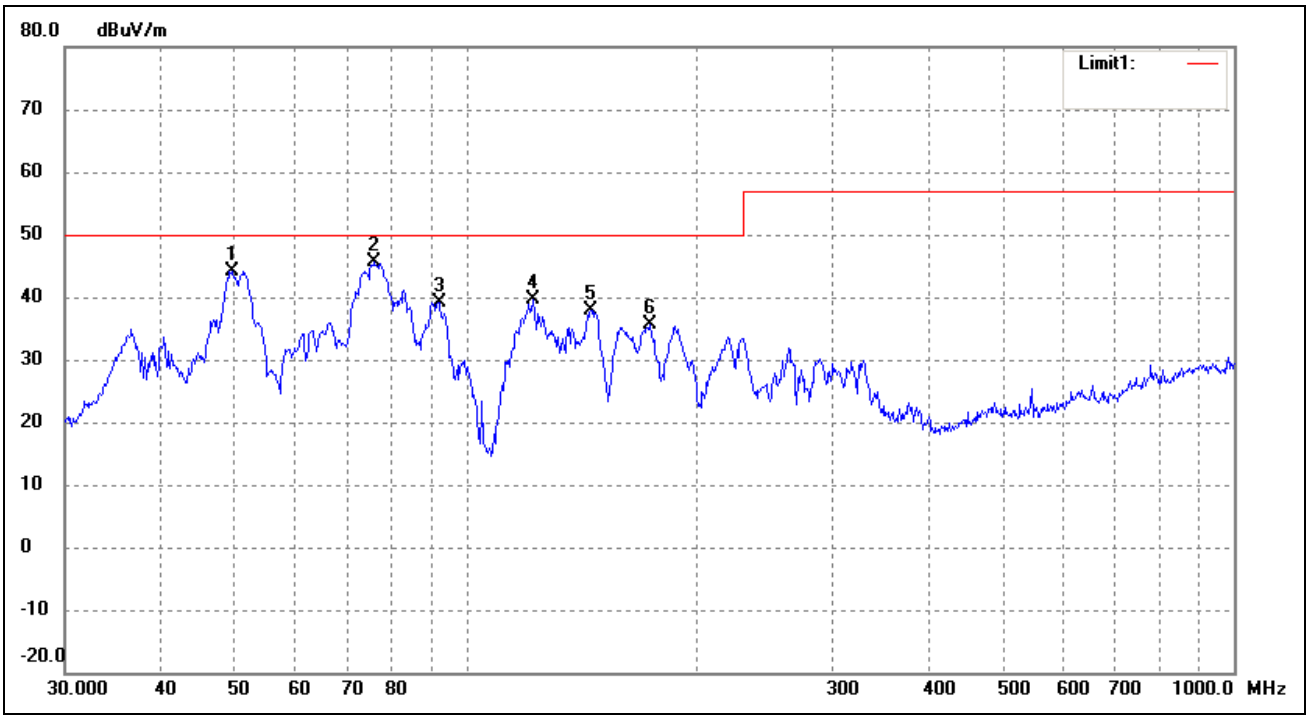
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.7068	47.02	-10.69	36.33	50.00	-13.67	64	100	peak
2	77.0505	47.52	-16.02	31.50	50.00	-18.50	350	100	peak
3	145.3506	49.62	-14.88	34.74	50.00	-15.26	277	100	peak
4	171.3926	47.34	-14.58	32.76	50.00	-17.24	159	100	peak
5	262.8955	46.51	-9.99	36.52	57.00	-20.48	341	100	peak
6	326.7395	44.70	-9.68	35.02	57.00	-21.98	10	100	peak

Test Specification: *Vertical*

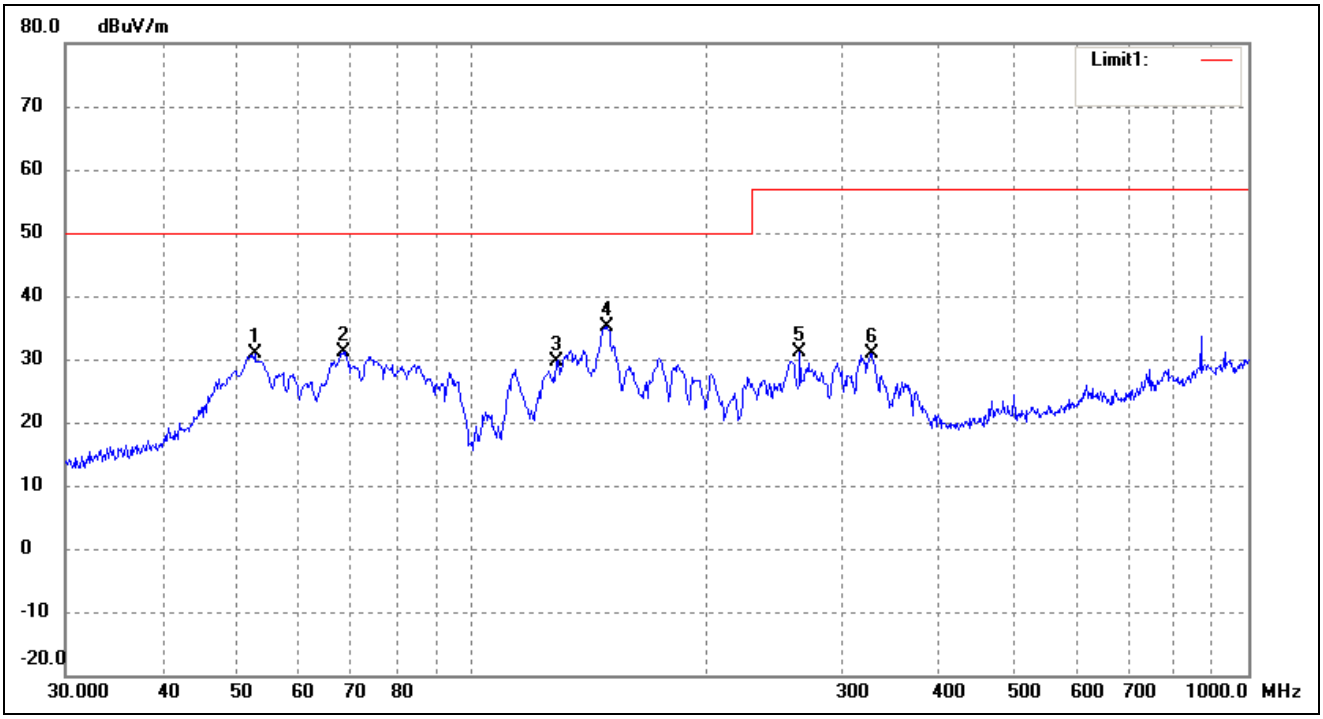


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.5328	54.62	-10.40	44.22	50.00	-5.78	350	100	peak
2	75.9773	62.95	-17.39	45.56	50.00	-4.44	266	100	peak
3	92.1388	52.27	-13.15	39.12	50.00	-10.88	201	100	peak
4	121.9755	53.53	-13.81	39.72	50.00	-10.28	175	100	peak
5	145.3506	52.83	-14.88	37.95	50.00	-12.05	182	100	peak
6	173.2051	50.13	-14.50	35.63	50.00	-14.37	52	100	peak

Plot of Radiated Emissions Test Data

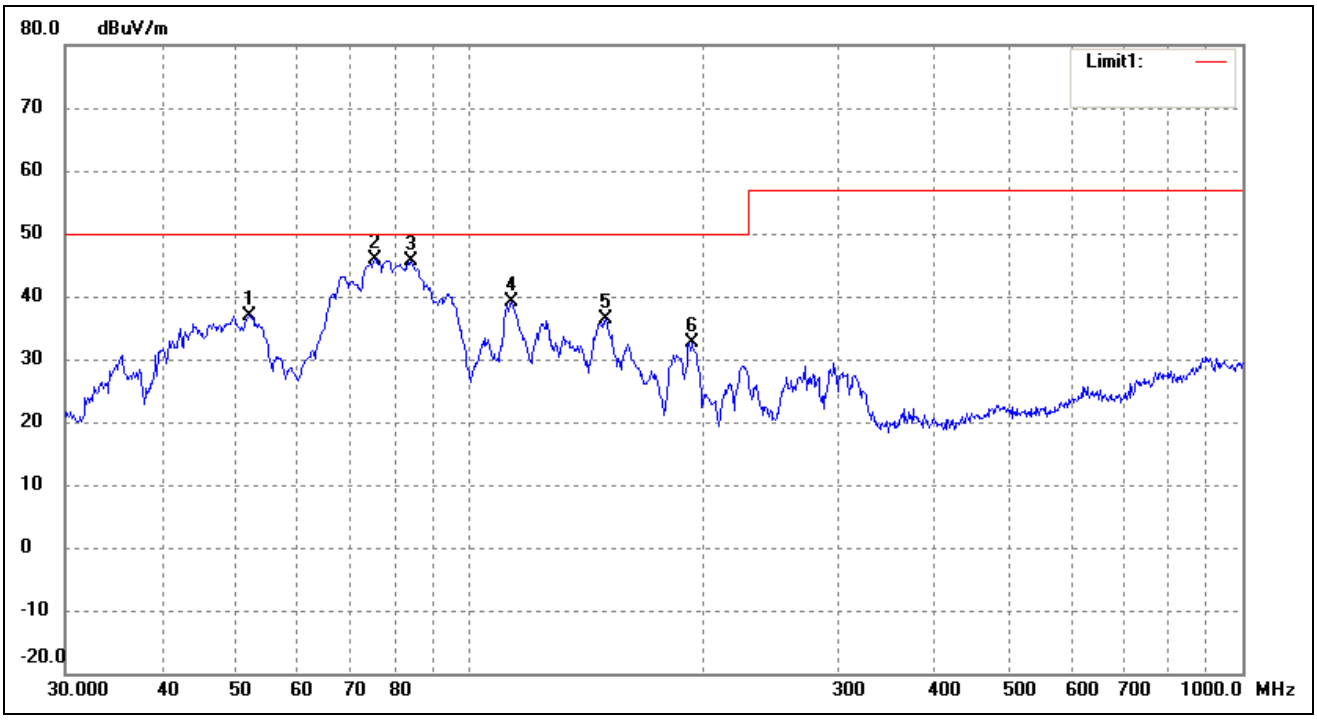
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	52.5753	41.76	-10.97	30.79	50.00	-19.21	355	100	peak
2	68.3908	45.41	-14.28	31.13	50.00	-18.87	150	100	peak
3	128.5630	43.83	-14.17	29.66	50.00	-20.34	136	100	peak
4	149.4857	50.08	-14.95	35.13	50.00	-14.87	18	100	peak
5	264.7457	41.17	-9.94	31.23	57.00	-25.77	274	100	peak
6	327.8873	40.70	-9.70	31.00	57.00	-26.00	150	100	peak

Test Specification: *Vertical*

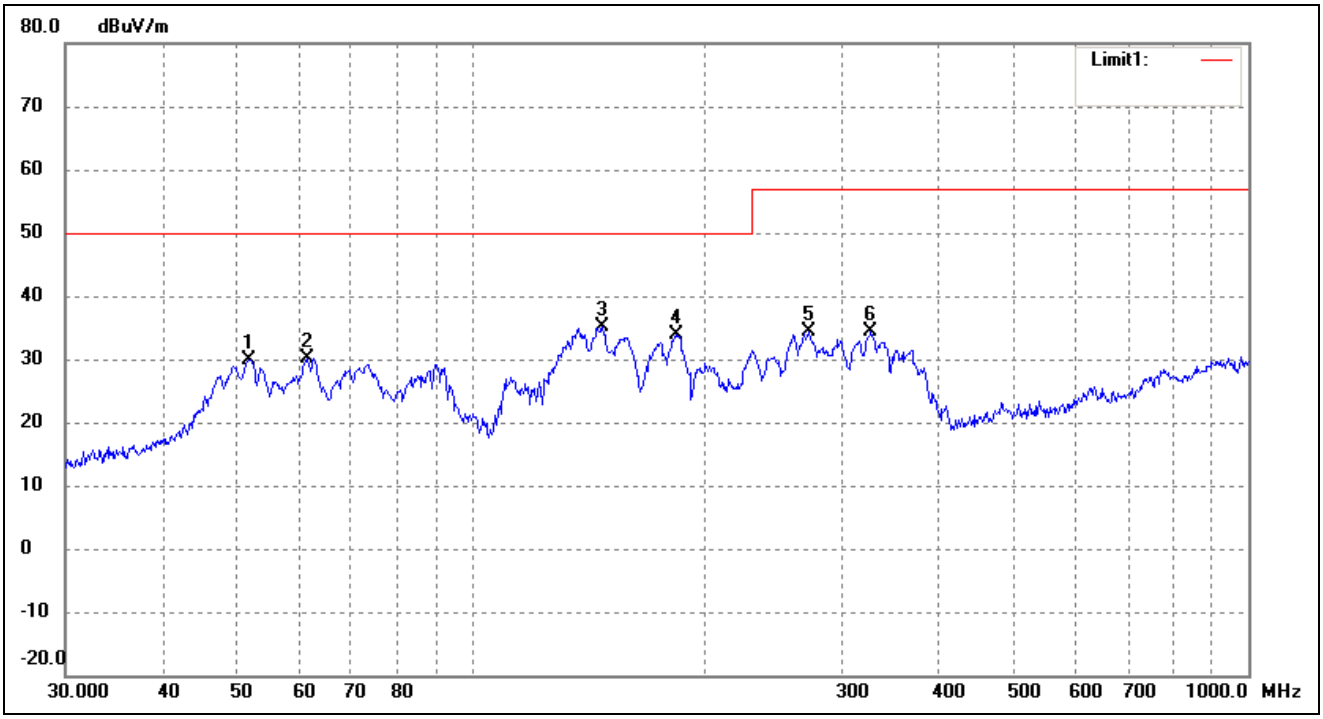


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.0251	48.07	-11.07	37.00	50.00	-13.00	36	100	peak
2	75.4464	63.09	-17.28	45.81	50.00	-4.19	91	100	peak
3	84.1100	61.87	-16.28	45.59	50.00	-4.41	208	100	peak
4	113.3163	52.16	-12.93	39.23	50.00	-10.77	112	100	peak
5	150.0108	51.39	-14.95	36.44	50.00	-13.56	308	100	peak
6	193.7728	45.13	-12.42	32.71	50.00	-17.29	52	100	peak

Plot of Radiated Emissions Test Data

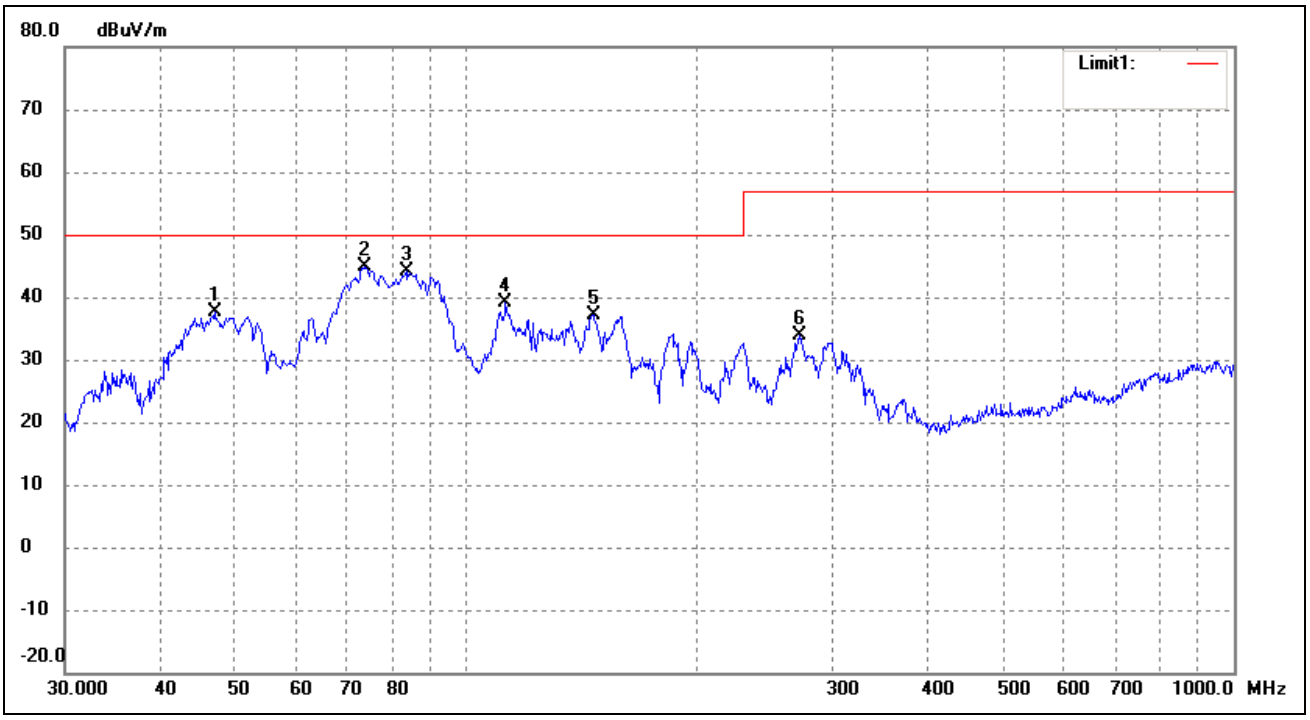
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	51.6616	40.87	-10.88	29.99	50.00	-20.01	266	100	peak
2	61.3463	42.25	-12.18	30.07	50.00	-19.93	341	100	peak
3	147.4036	50.13	-14.92	35.21	50.00	-14.79	158	100	peak
4	183.2005	47.58	-13.80	33.78	50.00	-16.22	201	100	peak
5	271.3246	44.11	-9.76	34.35	57.00	-22.65	174	100	peak
6	326.7395	44.15	-9.68	34.47	57.00	-22.53	56	100	peak

Test Specification: *Vertical*

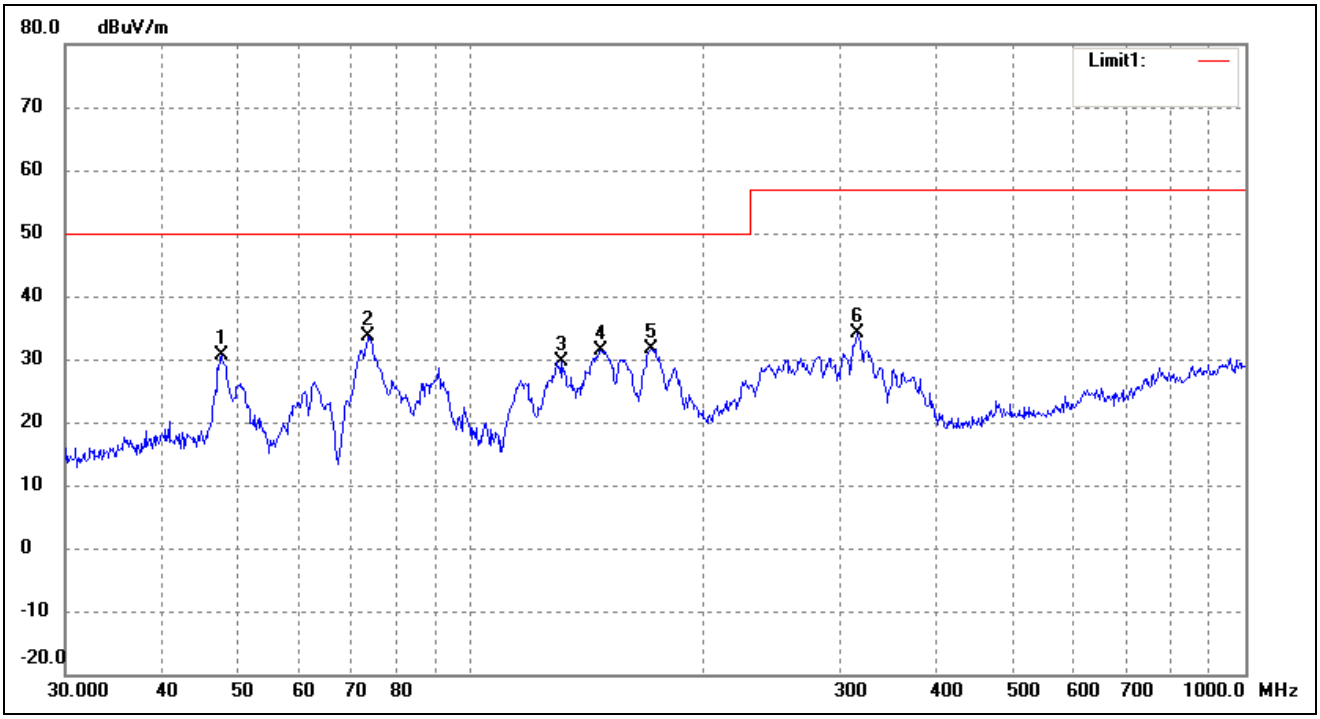


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	46.9948	48.12	-10.43	37.69	50.00	-12.31	90	100	peak
2	73.8756	61.81	-16.99	44.82	50.00	-5.18	266	100	peak
3	83.5222	60.74	-16.55	44.19	50.00	-5.81	347	100	peak
4	112.5244	51.90	-12.84	39.06	50.00	-10.94	159	100	peak
5	146.3735	52.01	-14.90	37.11	50.00	-12.89	204	100	peak
6	272.2776	43.63	-9.73	33.90	57.00	-23.10	116	100	peak

Plot of Radiated Emissions Test Data

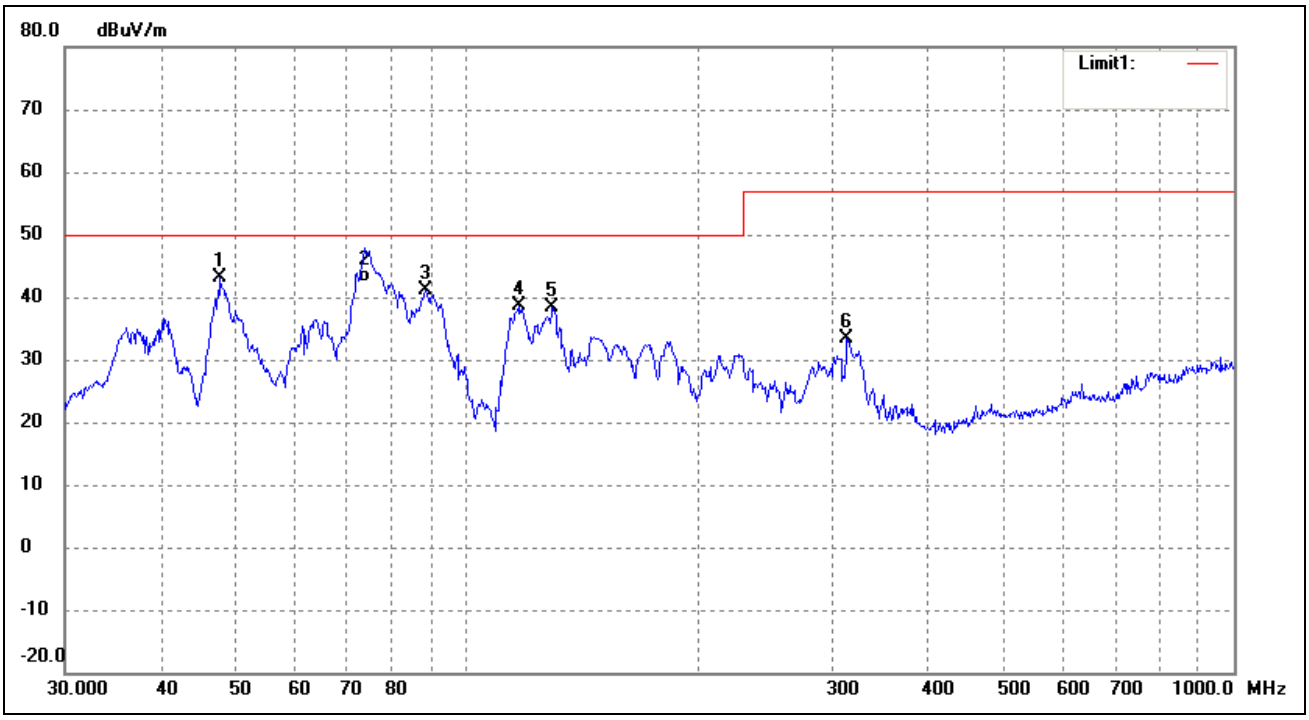
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.6586	41.23	-10.66	30.57	50.00	-19.43	63	100	peak
2	73.8756	49.18	-15.45	33.73	50.00	-16.27	233	100	peak
3	131.2965	44.03	-14.32	29.71	50.00	-20.29	285	100	peak
4	147.4036	46.33	-14.92	31.41	50.00	-18.59	147	100	peak
5	171.3926	46.26	-14.58	31.68	50.00	-18.32	45	100	peak
6	315.4808	43.70	-9.66	34.04	57.00	-22.96	210	100	peak

Test Specification: *Vertical*

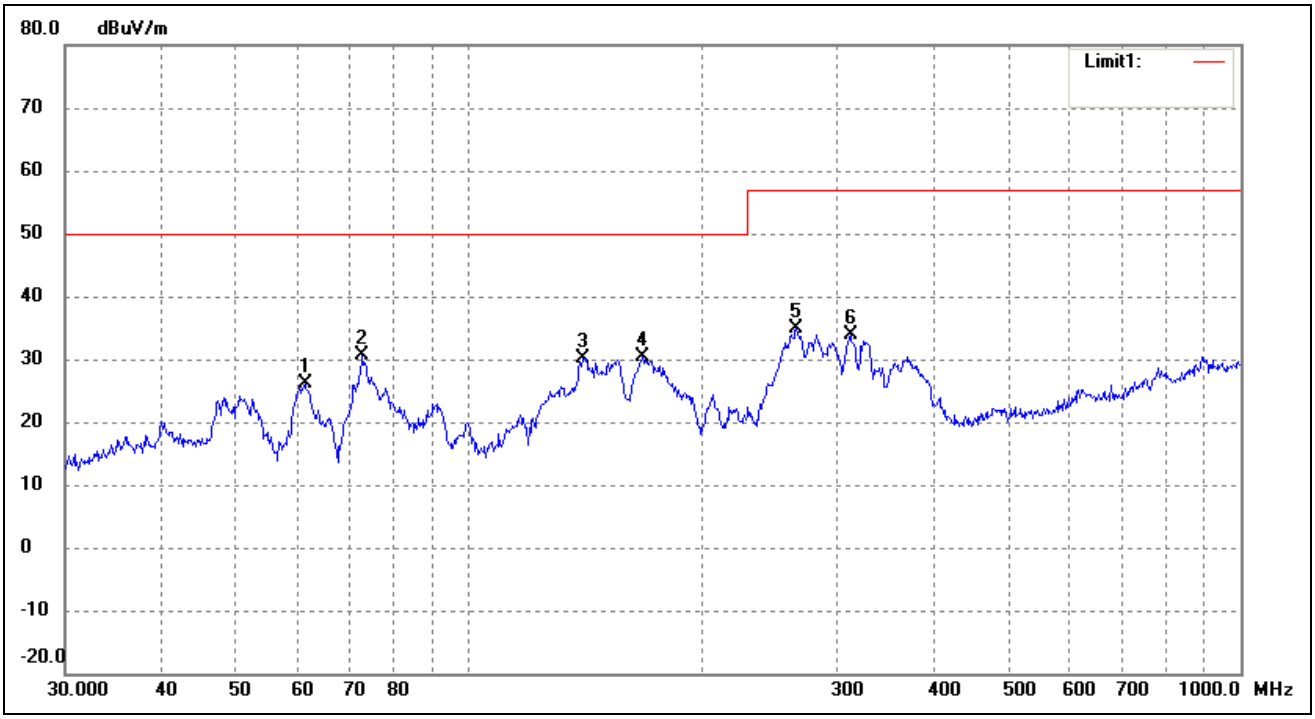


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.8260	53.46	-10.42	43.04	50.00	-6.96	46	100	peak
2	73.8756	59.39	-16.99	42.40	50.00	-7.60	323	100	QP
3	88.3421	55.38	-14.37	41.01	50.00	-8.99	32	100	peak
4	116.9495	51.87	-13.35	38.52	50.00	-11.48	65	100	peak
5	129.4678	52.51	-14.23	38.28	50.00	-11.72	285	100	peak
6	313.2760	42.99	-9.68	33.31	57.00	-23.69	175	100	peak

Plot of Radiated Emissions Test Data

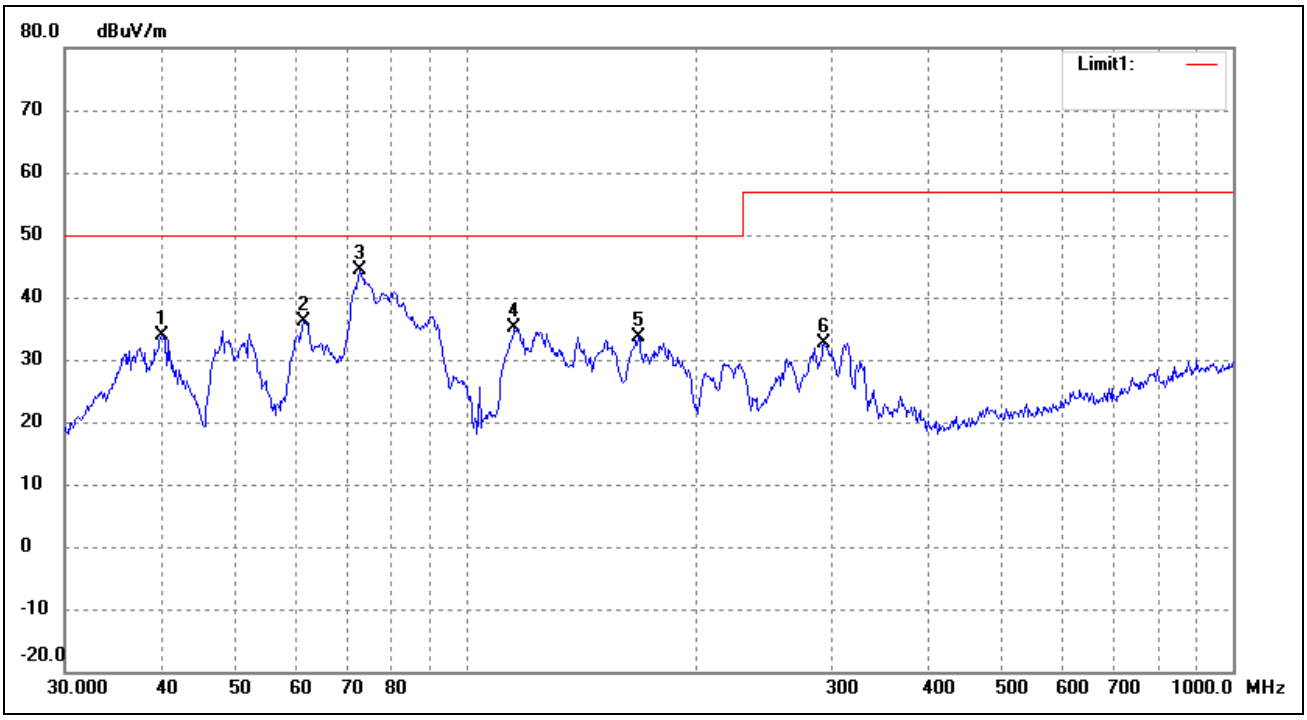
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	61.3463	38.21	-12.18	26.03	50.00	-23.97	166	100	peak
2	72.8466	45.80	-15.26	30.54	50.00	-19.46	58	100	peak
3	140.8351	44.99	-14.81	30.18	50.00	-19.82	276	100	peak
4	167.8243	45.11	-14.71	30.40	50.00	-19.60	291	100	peak
5	265.6757	44.69	-9.91	34.78	57.00	-22.22	230	100	peak
6	312.1794	43.48	-9.68	33.80	57.00	-23.20	22	100	peak

Test Specification: *Vertical*

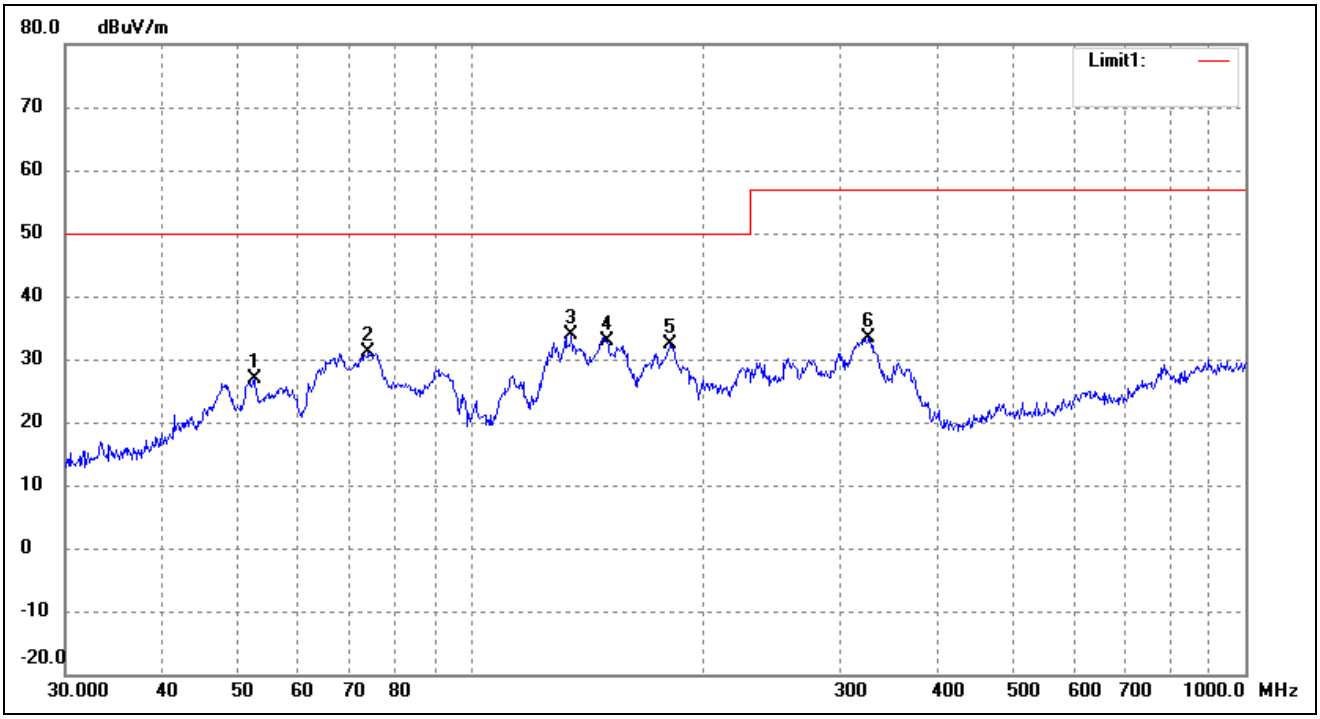


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.1347	44.28	-10.40	33.88	50.00	-16.12	61	100	peak
2	61.5618	50.26	-14.09	36.17	50.00	-13.83	320	100	peak
3	72.8466	61.13	-16.79	44.34	50.00	-5.66	156	100	peak
4	115.7256	48.41	-13.21	35.20	50.00	-14.80	285	100	peak
5	167.8243	48.27	-14.71	33.56	50.00	-16.44	207	100	peak
6	293.0842	42.37	-9.67	32.70	57.00	-24.30	146	100	peak

Plot of Radiated Emissions Test Data

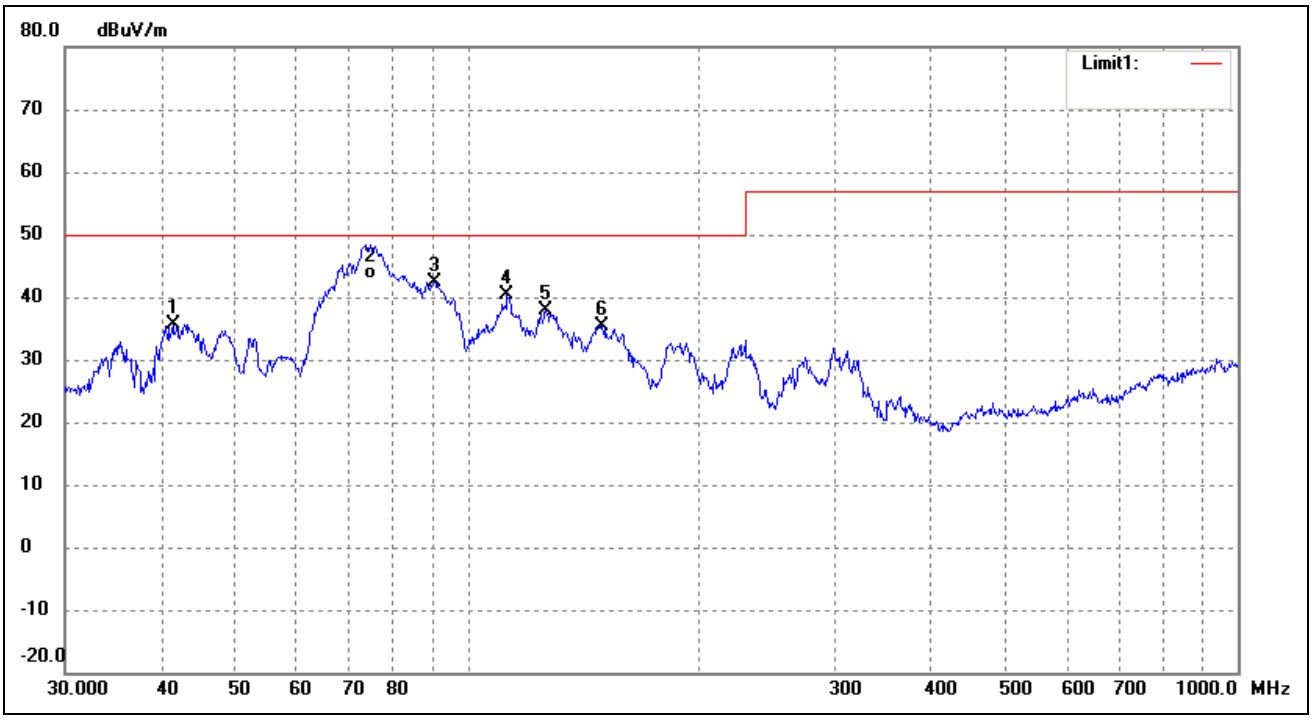
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.5753	37.78	-10.97	26.81	50.00	-23.19	133	100	peak
2	73.8756	46.66	-15.45	31.21	50.00	-18.79	350	100	peak
3	135.0319	48.40	-14.53	33.87	50.00	-16.13	260	100	peak
4	150.0108	47.93	-14.95	32.98	50.00	-17.02	75	100	peak
5	181.2834	46.41	-14.05	32.36	50.00	-17.64	188	100	peak
6	326.7395	43.16	-9.68	33.48	57.00	-23.52	45	100	peak

Test Specification: *Vertical*

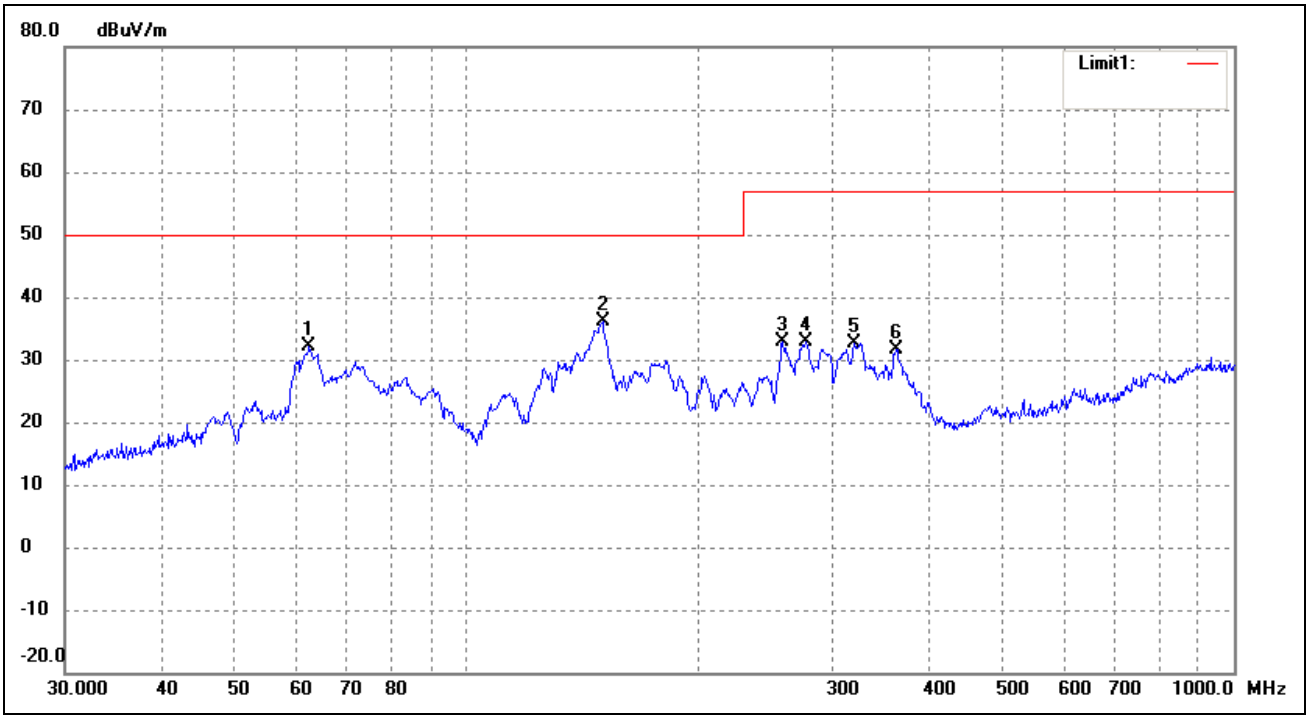


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.4215	45.99	-10.42	35.57	50.00	-14.43	64	100	peak
2	74.9191	60.18	-17.18	43.00	50.00	-7.00	230	100	QP
3	90.5374	55.98	-13.50	42.48	50.00	-7.52	258	100	peak
4	112.5244	53.10	-12.84	40.26	50.00	-9.74	359	100	peak
5	126.3286	51.90	-14.05	37.85	50.00	-12.15	86	100	peak
6	149.4857	50.45	-14.95	35.50	50.00	-14.50	34	100	peak

Plot of Radiated Emissions Test Data

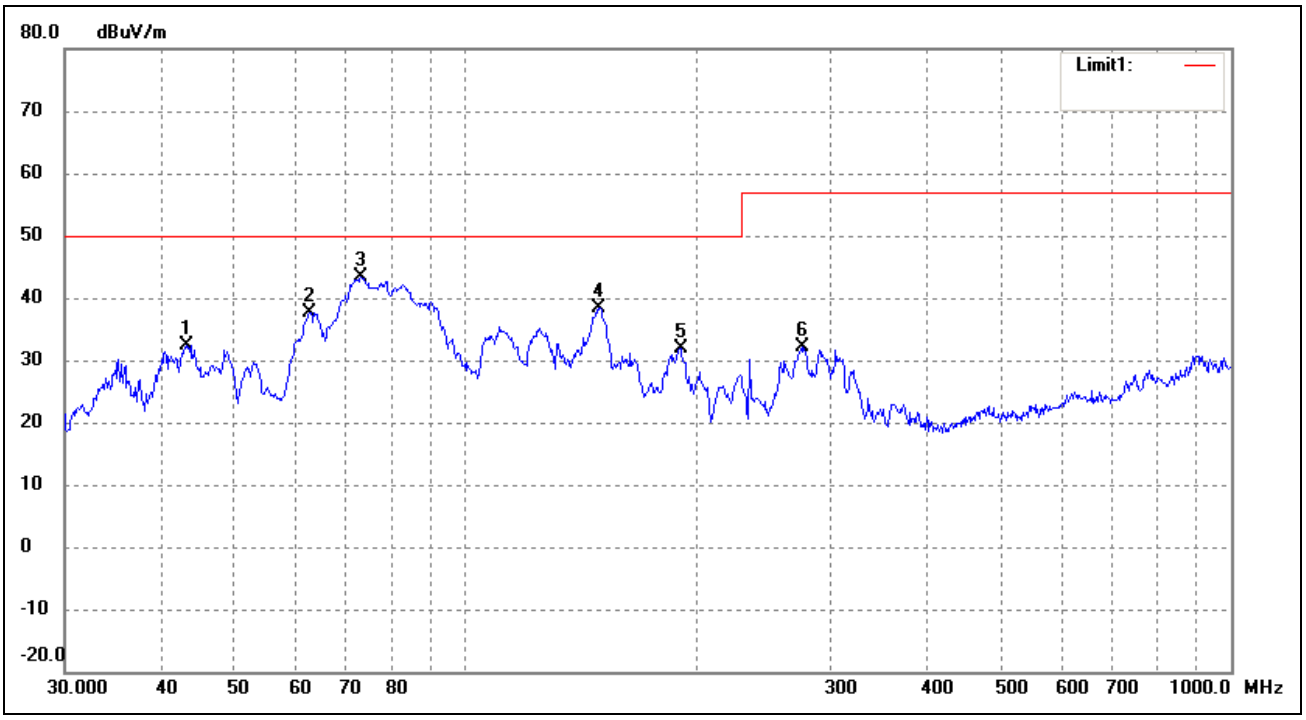
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	62.4314	44.54	-12.51	32.03	50.00	-17.97	92	100	peak
2	150.5378	51.00	-14.95	36.05	50.00	-13.95	155	100	peak
3	258.3264	42.94	-10.14	32.80	57.00	-24.20	246	100	peak
4	277.0935	42.36	-9.59	32.77	57.00	-24.23	347	100	peak
5	319.9370	42.35	-9.63	32.72	57.00	-24.28	150	100	peak
6	362.9845	39.48	-7.76	31.72	57.00	-25.28	65	100	peak

Test Specification: *Vertical*

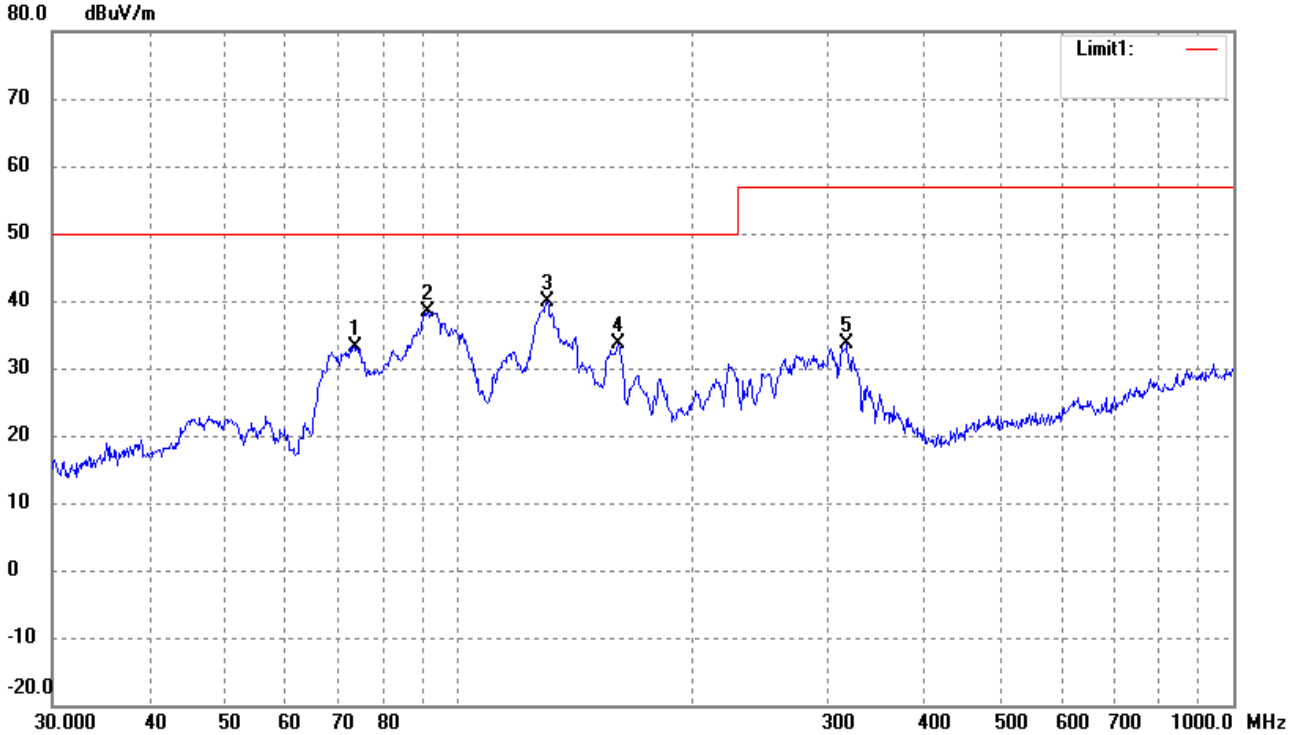


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	43.3534	42.86	-10.43	32.43	50.00	-17.57	46	100	peak
2	62.6507	51.95	-14.36	37.59	50.00	-12.41	255	100	peak
3	73.1025	60.24	-16.84	43.40	50.00	-6.60	186	100	peak
4	149.4857	53.36	-14.95	38.41	50.00	-11.59	352	100	peak
5	191.0738	44.72	-12.77	31.95	50.00	-18.05	222	100	peak
6	275.1570	41.80	-9.64	32.16	57.00	-24.84	88	100	peak

Plot of Radiated Emissions Test Data

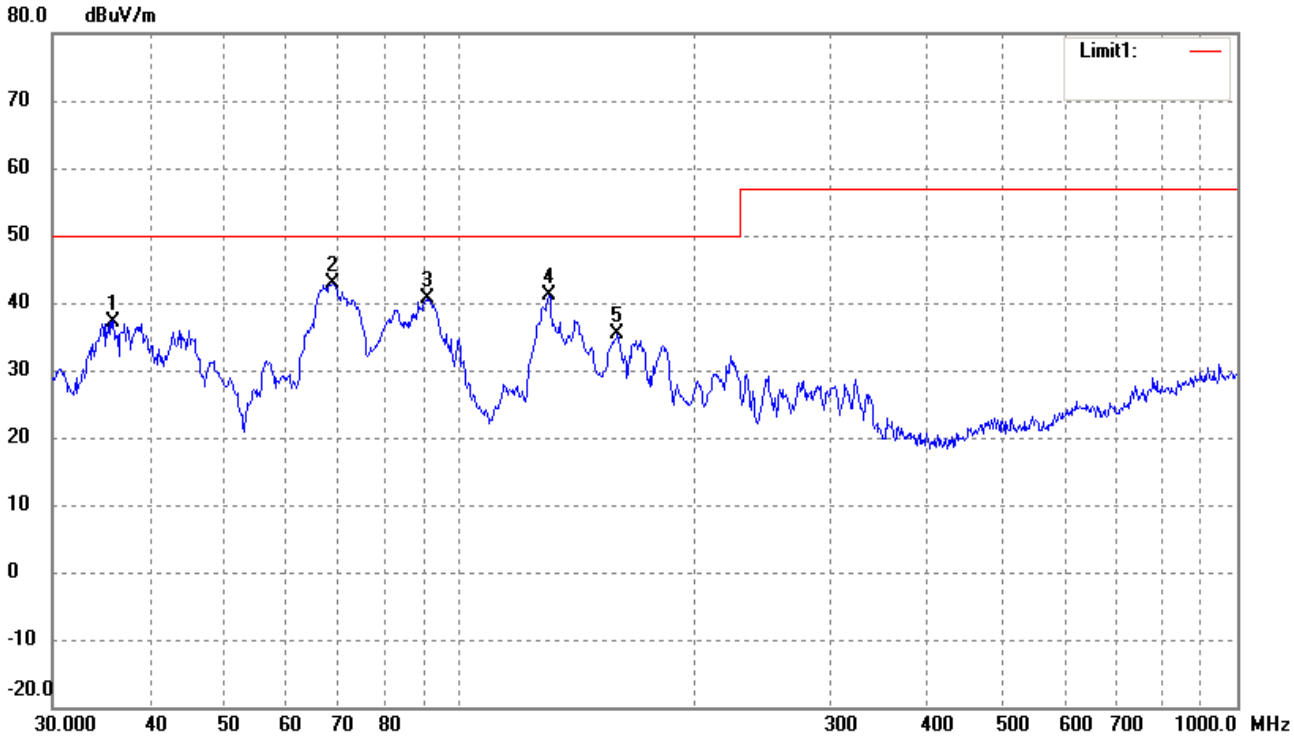
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	73.6170	48.61	-15.40	33.21	50.00	-16.79	231	100	peak
2	91.4949	51.74	-13.29	38.45	50.00	-11.55	183	100	peak
3	130.3789	54.05	-14.27	39.78	50.00	-10.22	113	100	peak
4	160.9089	48.62	-15.00	33.62	50.00	-16.38	46	100	peak
5	317.7011	43.20	-9.64	33.56	57.00	-23.44	312	100	peak

Test Specification: *Vertical*

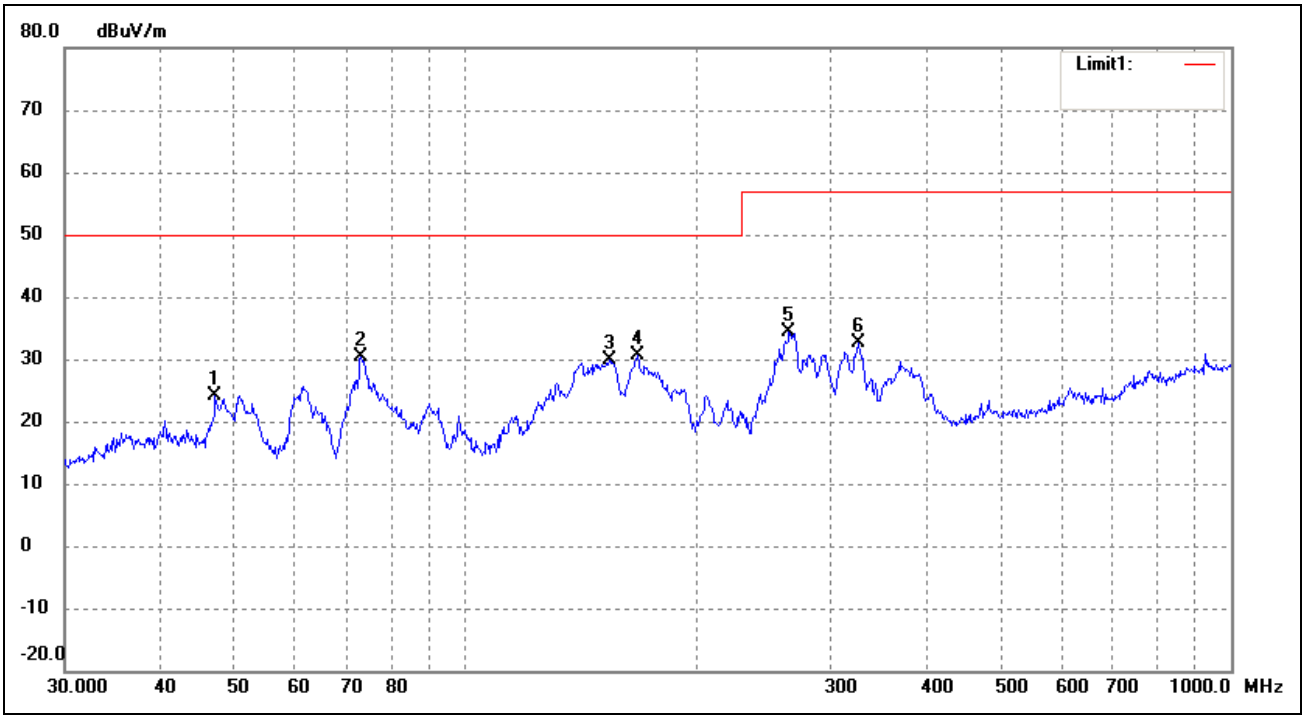


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	35.8747	48.60	-11.35	37.25	50.00	-12.75	231	100	peak
2	68.6310	58.84	-15.90	42.94	50.00	-7.06	111	100	peak
3	90.8554	54.08	-13.43	40.65	50.00	-9.35	93	100	peak
4	130.3789	55.35	-14.27	41.08	50.00	-8.92	56	100	peak
5	159.7844	50.30	-15.03	35.27	50.00	-14.73	321	100	peak

Plot of Radiated Emissions Test Data

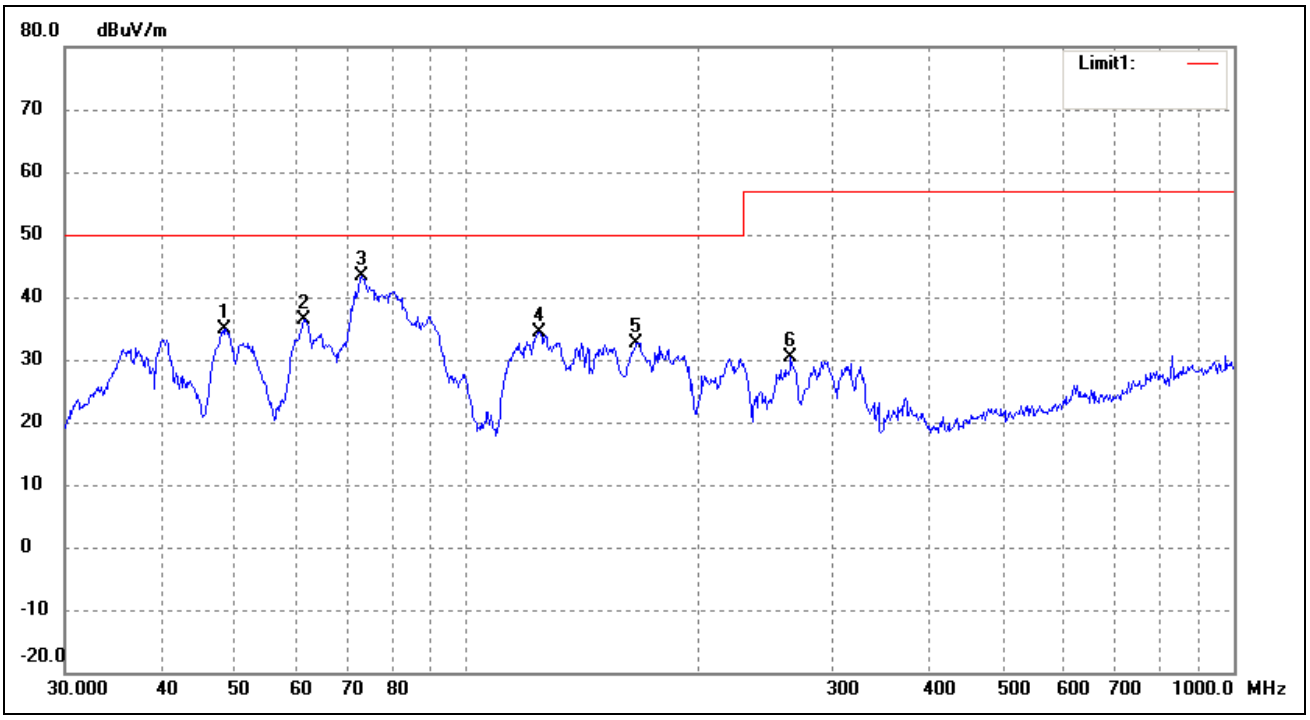
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.1599	34.84	-10.64	24.20	50.00	-25.80	93	100	peak
2	73.1025	45.59	-15.31	30.28	50.00	-19.72	344	100	peak
3	154.2786	44.92	-14.99	29.93	50.00	-20.07	156	100	peak
4	167.8243	45.28	-14.71	30.57	50.00	-19.43	204	100	peak
5	264.7457	44.35	-9.94	34.41	57.00	-22.59	15	100	peak
6	325.5958	42.19	-9.68	32.51	57.00	-24.49	258	100	peak

Test Specification: *Vertical*

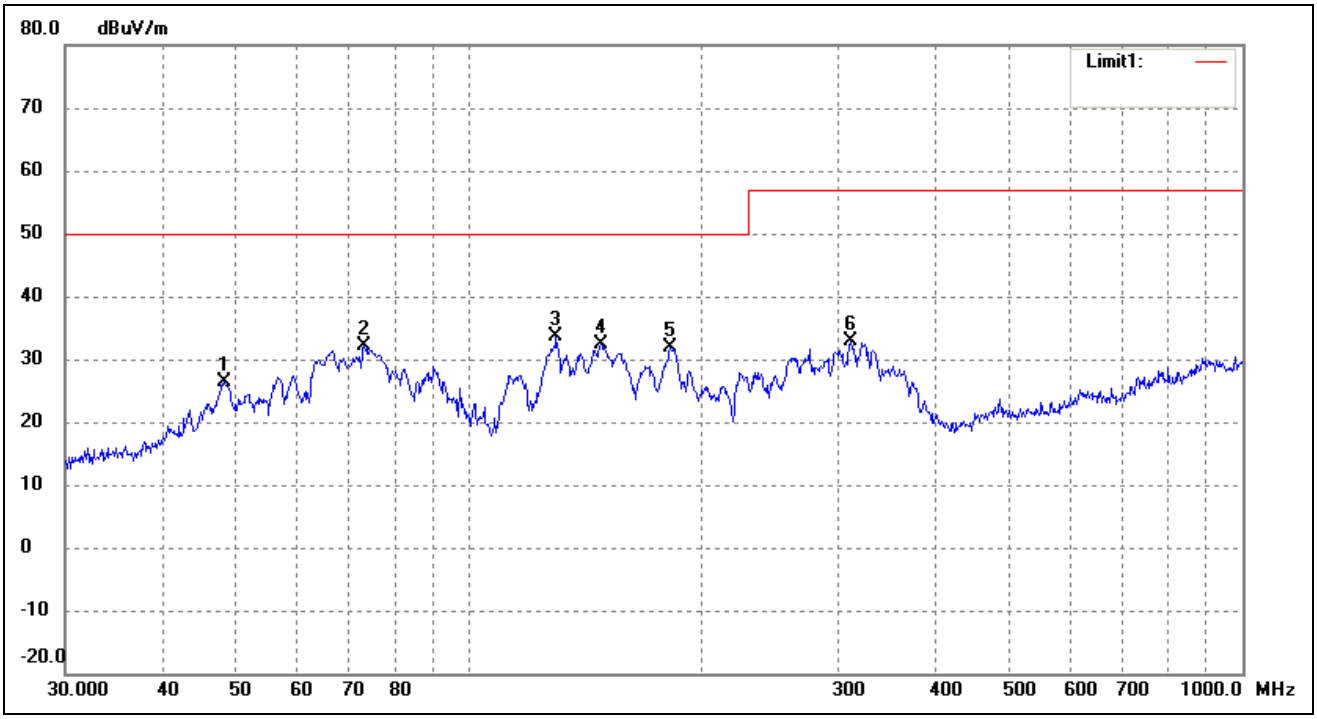


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.5016	45.31	-10.41	34.90	50.00	-15.10	316	100	peak
2	61.5618	50.44	-14.09	36.35	50.00	-13.65	52	100	peak
3	73.1025	60.23	-16.84	43.39	50.00	-6.61	344	100	peak
4	124.5690	48.42	-13.95	34.47	50.00	-15.53	101	100	peak
5	166.6514	47.48	-14.76	32.72	50.00	-17.28	285	100	peak
6	264.7457	40.33	-9.94	30.39	57.00	-26.61	169	100	peak

Plot of Radiated Emissions Test Data

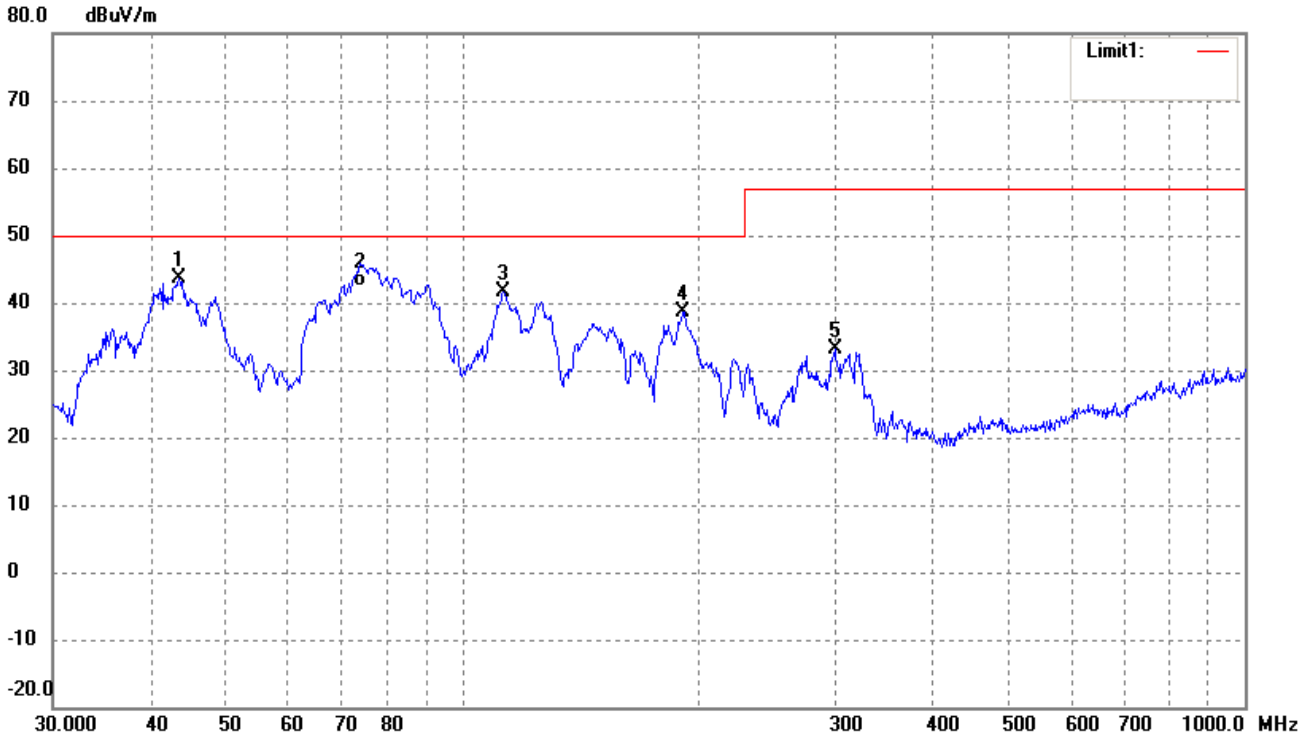
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.1626	37.09	-10.66	26.43	50.00	-23.57	333	100	peak
2	73.1025	47.34	-15.31	32.03	50.00	-17.97	266	100	peak
3	129.4678	47.92	-14.23	33.69	50.00	-16.31	241	100	peak
4	147.9214	47.25	-14.92	32.33	50.00	-17.67	105	100	peak
5	181.9202	45.92	-13.97	31.95	50.00	-18.05	188	100	peak
6	311.0867	42.53	-9.69	32.84	57.00	-24.16	45	100	peak

Test Specification: *Vertical*

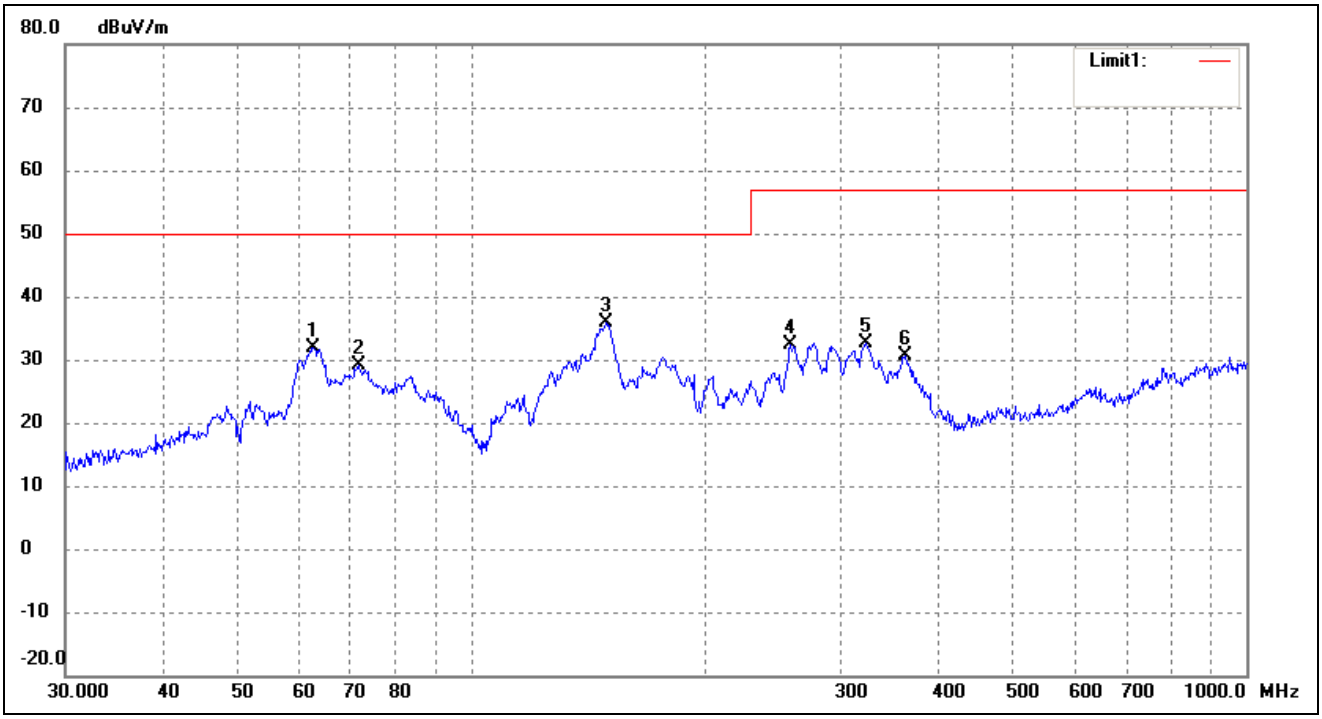


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	43.5056	53.95	-10.43	43.52	50.00	-6.48	231	100	peak
2	74.1350	59.35	-17.04	42.31	50.00	-7.69	182	100	QP
3	112.9196	54.45	-12.88	41.57	50.00	-8.43	98	100	peak
4	191.7450	51.37	-12.68	38.69	50.00	-11.31	321	100	peak
5	299.3158	42.78	-9.74	33.04	57.00	-23.96	123	100	peak

Plot of Radiated Emissions Test Data

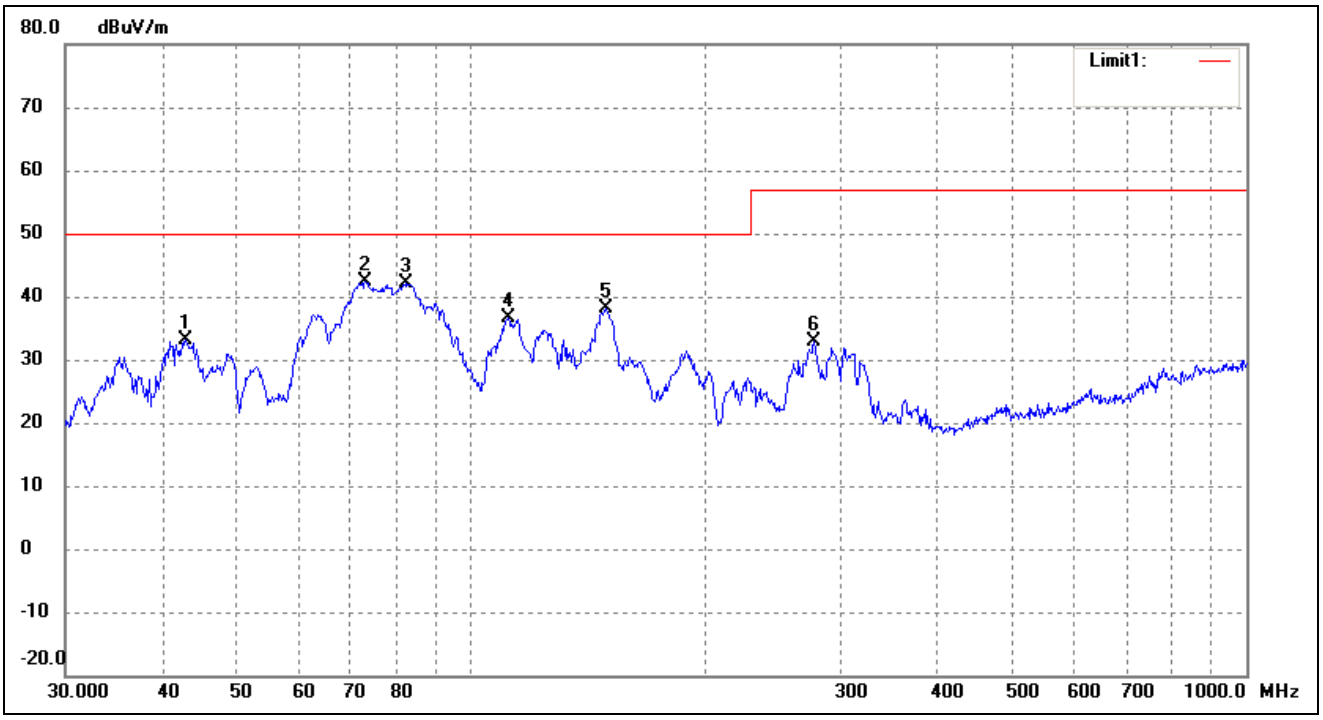
EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	62.6507	44.55	-12.57	31.98	50.00	-18.02	150	100	peak
2	71.5806	44.10	-15.04	29.06	50.00	-20.94	263	100	peak
3	149.4857	50.74	-14.95	35.79	50.00	-14.21	341	100	peak
4	258.3264	42.61	-10.14	32.47	57.00	-24.53	158	100	peak
5	323.3204	42.22	-9.67	32.55	57.00	-24.45	46	100	peak
6	362.9845	38.42	-7.76	30.66	57.00	-26.34	201	100	peak

Test Specification: *Vertical*

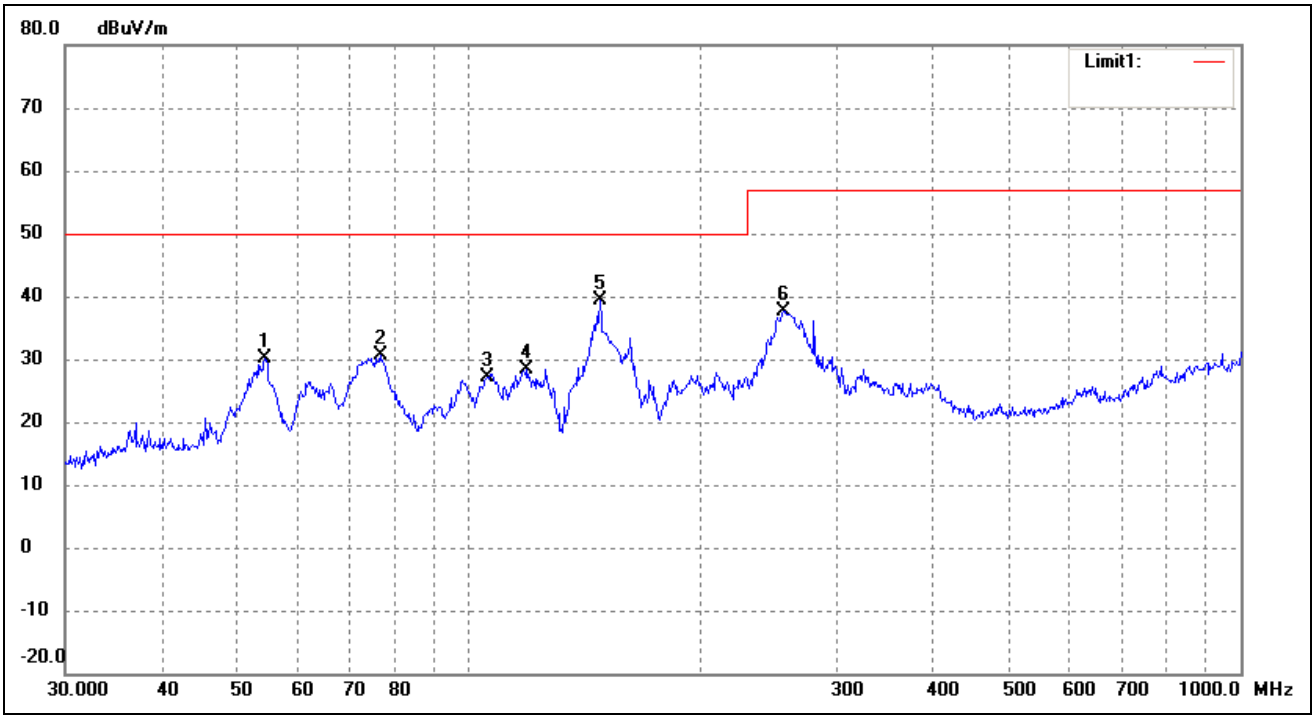


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	42.8998	43.54	-10.43	33.11	50.00	-16.89	46	100	peak
2	73.1025	59.25	-16.84	42.41	50.00	-7.59	230	100	peak
3	82.6482	59.05	-16.94	42.11	50.00	-7.89	37	100	peak
4	111.7380	49.49	-12.75	36.74	50.00	-13.26	158	100	peak
5	149.4857	53.01	-14.95	38.06	50.00	-11.94	126	100	peak
6	277.0935	42.45	-9.59	32.86	57.00	-24.14	210	100	peak

Plot of Radiated Emissions Test Data

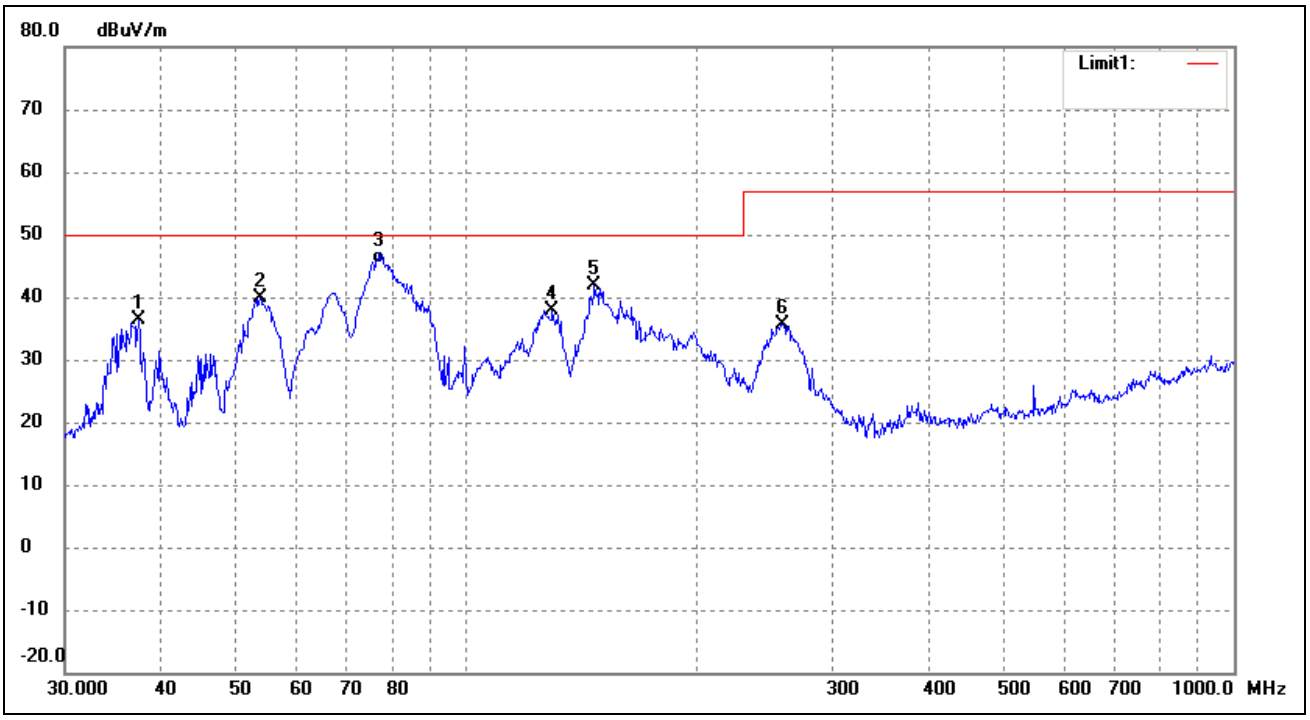
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	54.4516	41.29	-11.18	30.11	50.00	-19.89	115	100	peak
2	76.7808	46.72	-15.97	30.75	50.00	-19.25	266	100	peak
3	105.6415	39.22	-12.05	27.17	50.00	-22.83	302	100	peak
4	119.0180	41.93	-13.59	28.34	50.00	-21.66	175	100	peak
5	147.9214	54.40	-14.92	39.48	50.00	-10.52	169	100	peak
6	255.6231	47.89	-10.26	37.63	57.00	-19.37	28	100	peak

Test Specification: *Vertical*

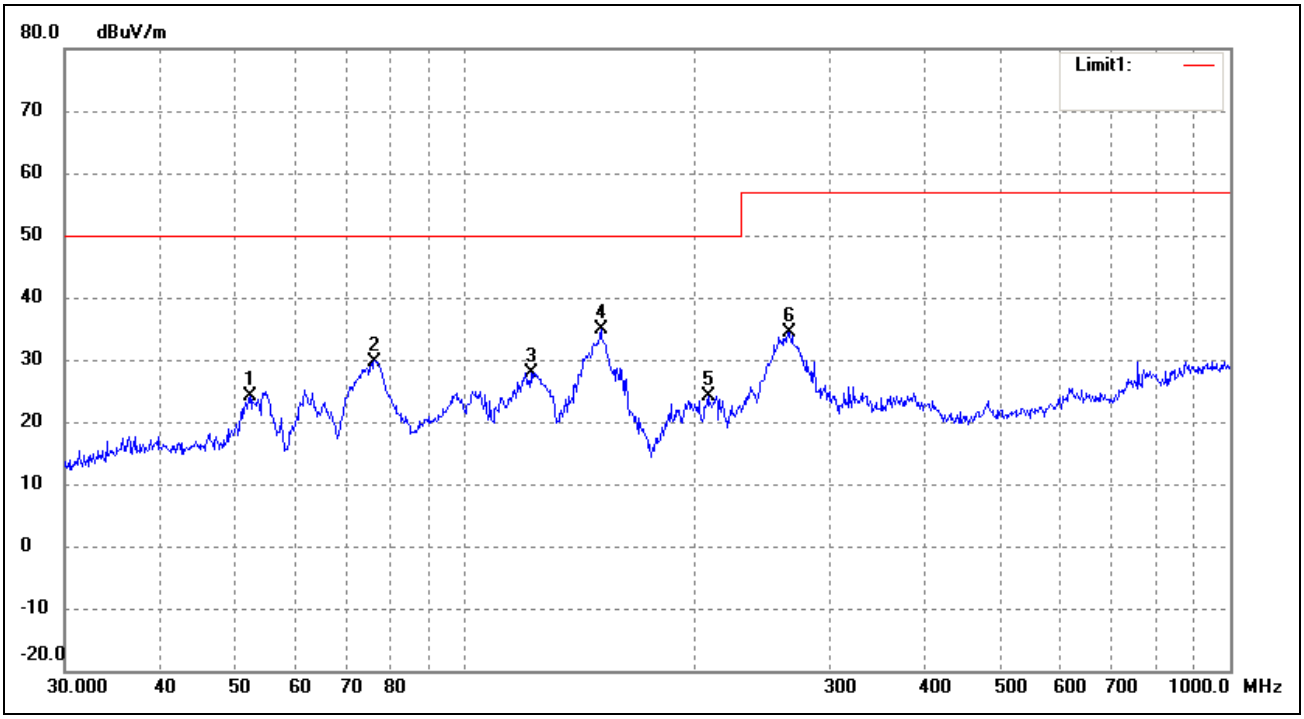


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	37.4165	47.35	-11.00	36.35	50.00	-13.65	39	100	peak
2	53.8818	51.58	-11.67	39.91	50.00	-10.09	256	100	peak
3	77.0505	62.89	-17.59	45.30	50.00	-4.70	285	100	QP
4	129.4677	52.14	-14.23	37.91	50.00	-12.09	117	100	peak
5	146.8877	56.66	-14.90	41.76	50.00	-8.24	156	100	peak
6	258.3264	45.88	-10.14	35.74	57.00	-21.26	34	100	peak

Plot of Radiated Emissions Test Data

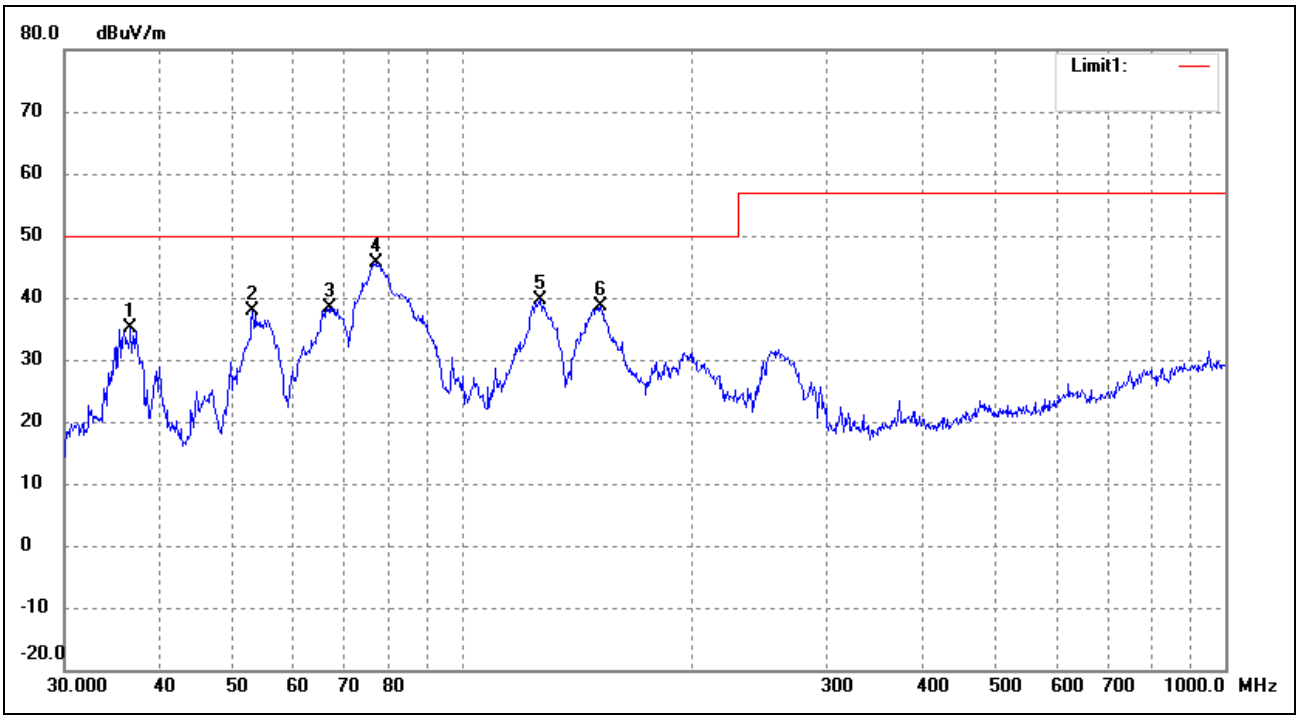
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.3913	35.00	-10.96	24.04	50.00	-25.96	56	100	peak
2	76.2442	45.62	-15.87	29.75	50.00	-20.25	230	100	peak
3	121.9755	41.78	-13.81	27.97	50.00	-22.03	315	100	peak
4	150.5378	49.77	-14.95	34.82	50.00	-15.18	274	100	peak
5	207.8501	36.12	-11.94	24.18	50.00	-25.82	146	100	peak
6	265.6757	44.36	-9.91	34.45	57.00	-22.55	288	100	peak

Test Specification: *Vertical*

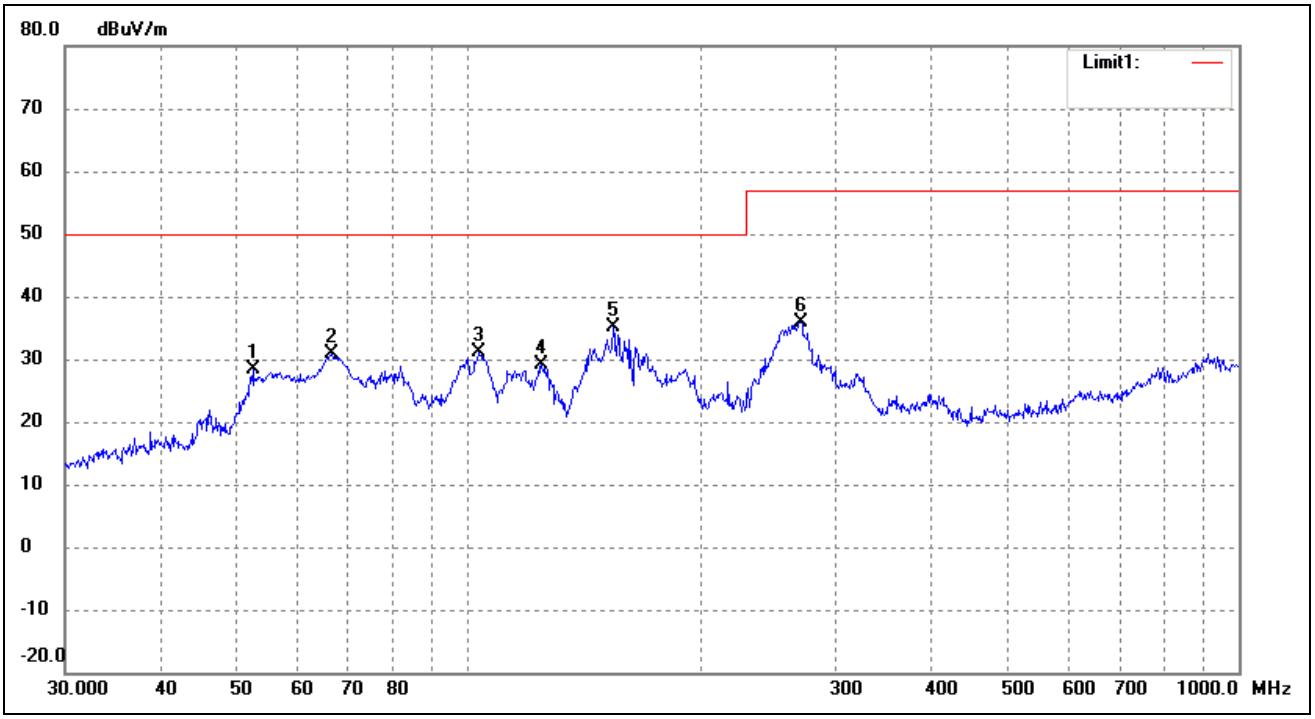


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.6375	46.29	-11.18	35.11	50.00	-14.89	65	100	peak
2	52.9453	49.20	-11.36	37.84	50.00	-12.16	233	100	peak
3	66.9668	53.96	-15.48	38.48	50.00	-11.52	260	100	peak
4	77.0504	63.25	-17.59	45.66	50.00	-4.34	185	100	peak
5	126.3285	53.60	-14.05	39.55	50.00	-10.45	274	100	peak
6	151.5971	53.53	-14.96	38.57	50.00	-11.43	101	100	peak

Plot of Radiated Emissions Test Data

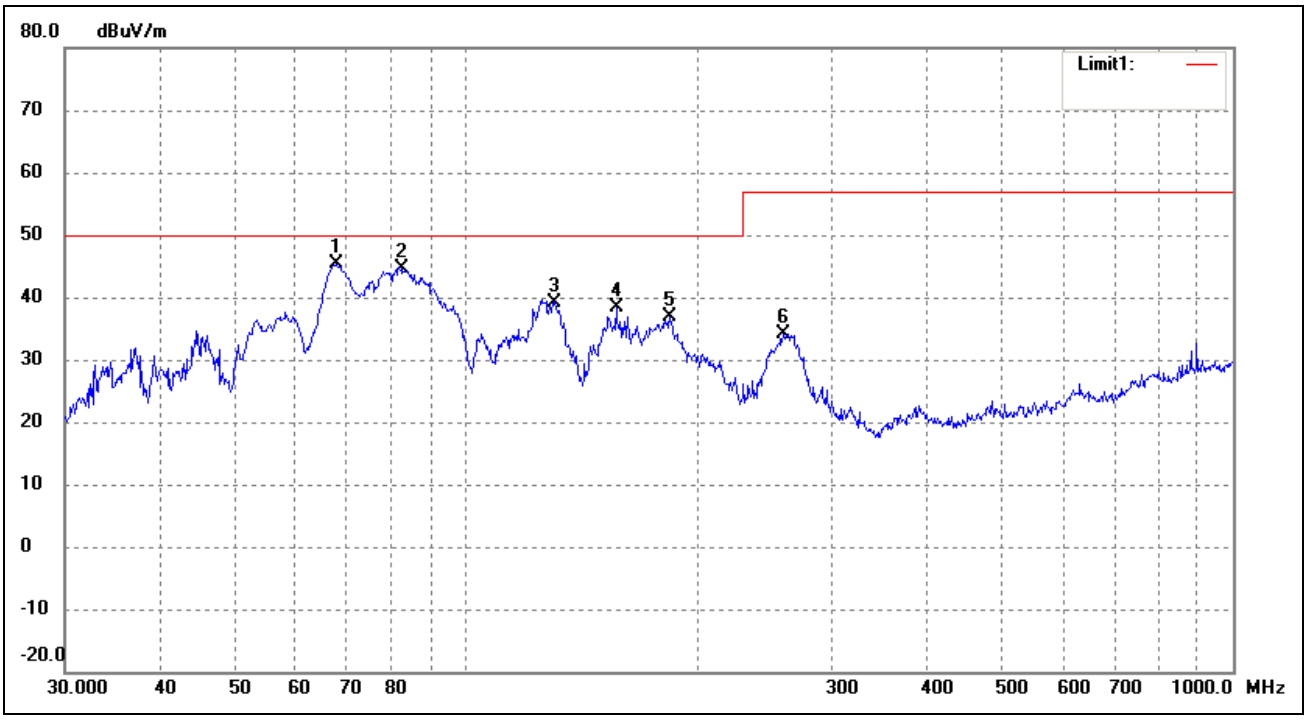
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.5753	39.40	-10.97	28.43	50.00	-21.57	142	100	peak
2	66.4989	44.48	-13.72	30.76	50.00	-19.24	205	100	peak
3	103.4421	42.81	-11.80	31.01	50.00	-18.99	156	100	peak
4	124.5690	43.10	-13.95	29.15	50.00	-20.85	32	100	peak
5	154.2786	50.13	-14.99	35.14	50.00	-14.86	201	100	peak
6	270.3748	45.74	-9.78	35.96	57.00	-21.04	10	100	peak

Test Specification: *Vertical*

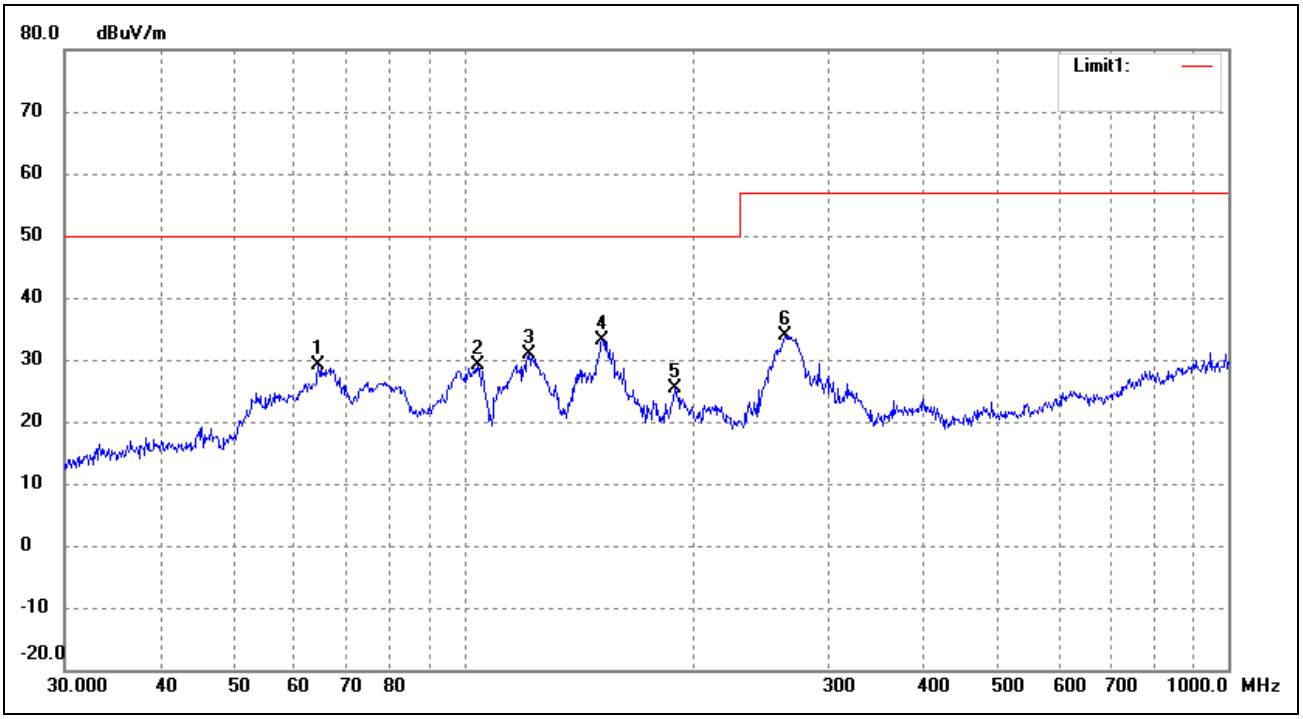


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	67.9129	61.09	-15.72	45.37	50.00	-4.63	55	100	peak
2	82.3589	61.71	-17.08	44.63	50.00	-5.37	320	100	peak
3	130.3789	53.52	-14.27	39.25	50.00	-10.75	225	100	peak
4	157.0074	53.52	-15.02	38.50	50.00	-11.50	46	100	peak
5	184.4898	50.40	-13.63	36.77	50.00	-13.23	274	100	peak
6	259.2338	44.22	-10.10	34.12	57.00	-22.88	155	100	peak

Plot of Radiated Emissions Test Data

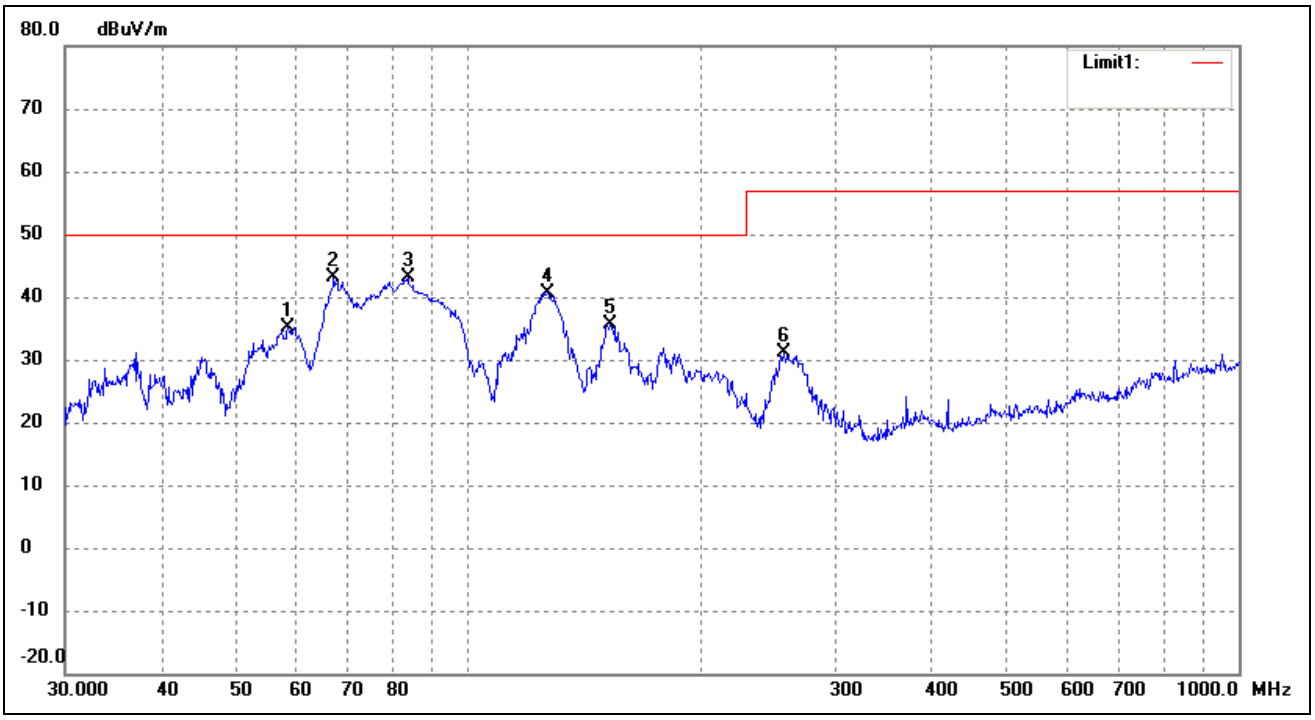
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	64.4331	42.26	-13.10	29.16	50.00	-20.84	96	100	peak
2	104.1701	41.10	-11.88	29.22	50.00	-20.78	355	100	peak
3	121.5486	44.65	-13.78	30.87	50.00	-19.13	268	100	peak
4	151.5972	48.21	-14.96	33.25	50.00	-16.75	45	100	peak
5	188.4125	38.48	-13.12	25.36	50.00	-24.64	125	100	peak
6	262.8955	43.86	-9.99	33.87	57.00	-23.13	217	100	peak

Test Specification: *Vertical*

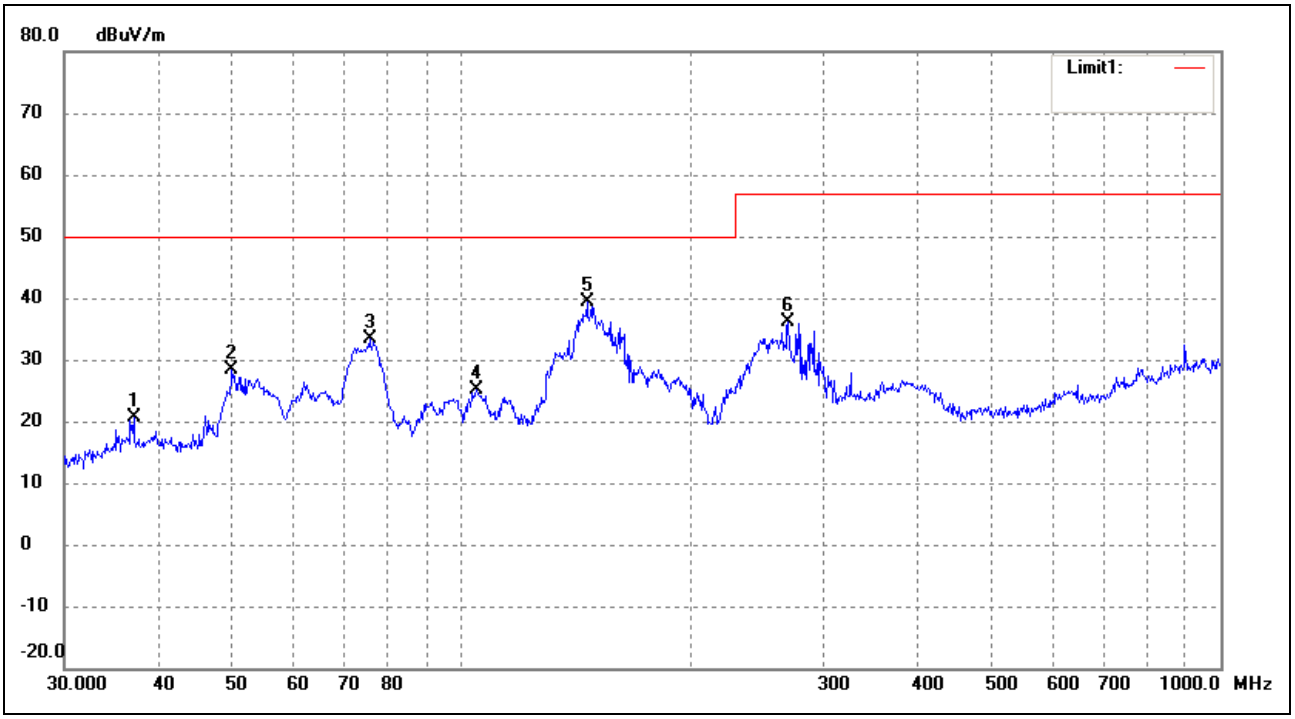


No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	58.4074	48.25	-13.15	35.10	50.00	-14.90	93	100	peak
2	66.9669	58.56	-15.48	43.08	50.00	-6.92	56	100	peak
3	83.5222	59.69	-16.55	43.14	50.00	-6.86	203	100	peak
4	126.7723	54.70	-14.07	40.63	50.00	-9.37	288	100	peak
5	153.2004	50.56	-14.98	35.58	50.00	-14.42	274	100	peak
6	256.5211	41.38	-10.22	31.16	57.00	-25.84	152	100	peak

Plot of Radiated Emissions Test Data

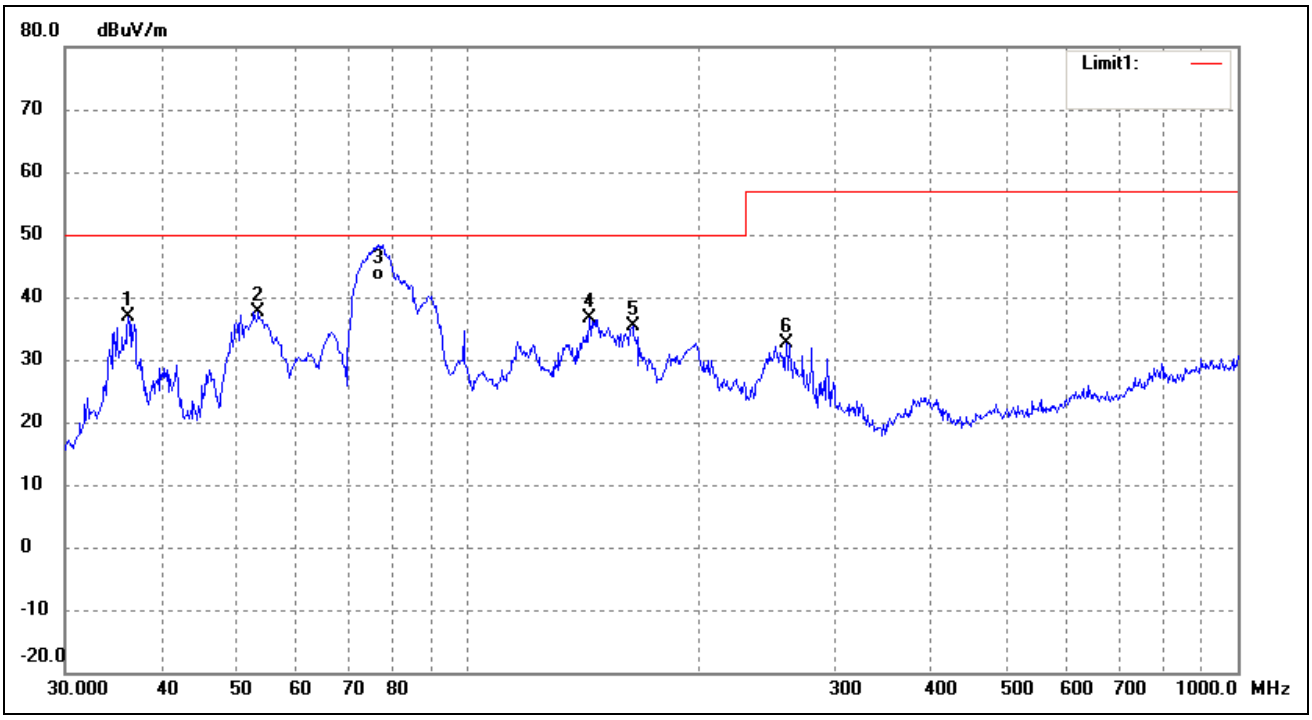
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	37.0249	31.80	-11.09	20.71	50.00	-29.29	110	100	peak
2	49.8814	39.18	-10.70	28.48	50.00	-21.52	354	100	peak
3	75.7114	49.28	-15.78	33.50	50.00	-16.50	201	100	peak
4	104.9033	37.16	-11.96	25.20	50.00	-24.80	156	100	peak
5	146.3735	54.31	-14.90	39.41	50.00	-10.59	285	100	peak
6	269.4284	45.88	-9.80	36.08	57.00	-20.92	223	100	peak

Test Specification: *Vertical*

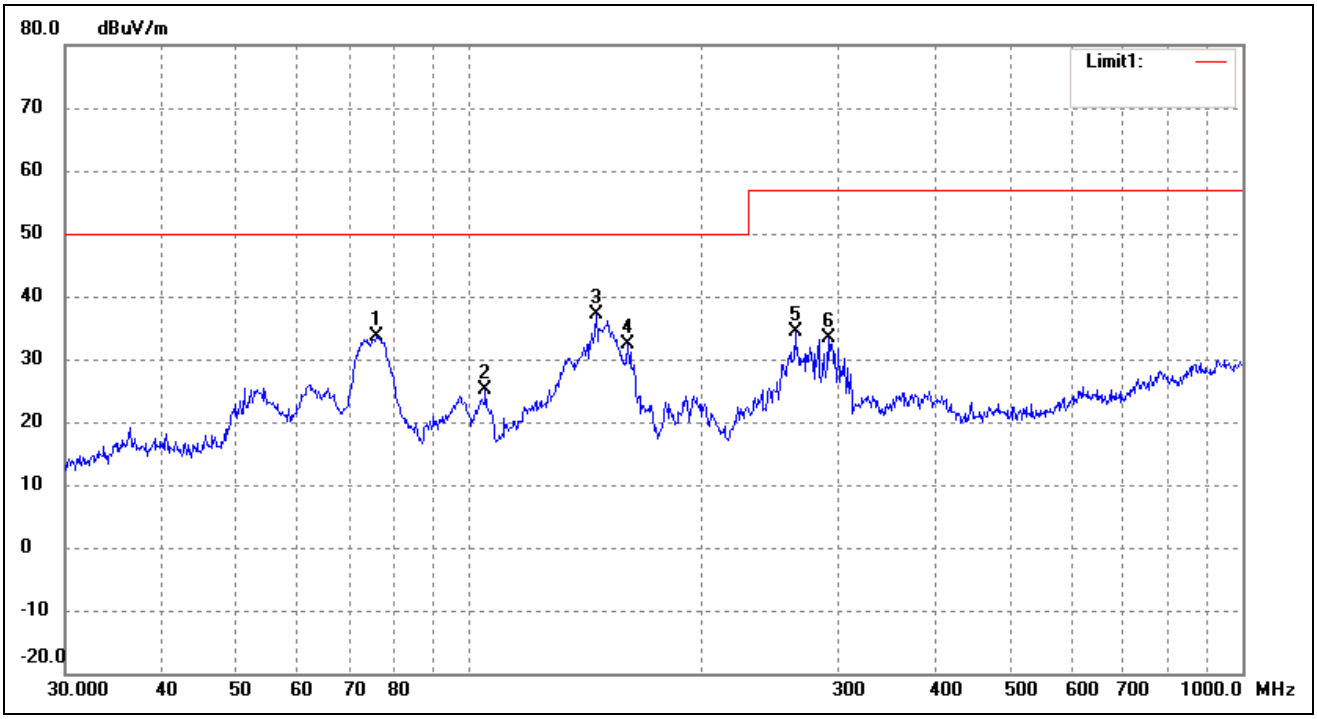


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.2541	48.22	-11.26	36.96	50.00	-13.04	68	100	peak
2	53.5052	49.10	-11.55	37.55	50.00	-12.45	12	100	peak
3	76.5121	60.19	-17.49	42.70	50.00	-7.30	155	100	QP
4	143.8295	51.45	-14.86	36.59	50.00	-13.41	320	100	peak
5	163.7550	50.38	-14.89	35.49	50.00	-14.51	158	100	peak
6	259.2338	42.73	-10.10	32.63	57.00	-24.37	50	100	peak

Plot of Radiated Emissions Test Data

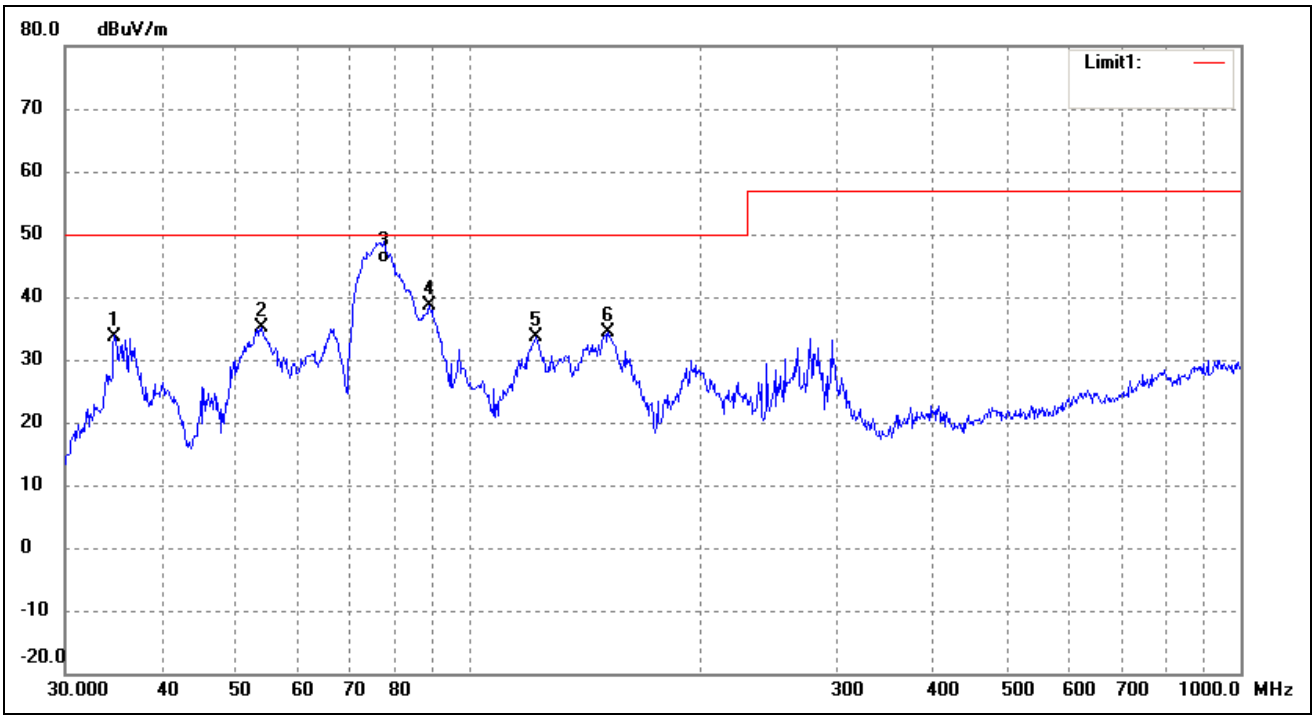
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	75.7114	49.48	-15.78	33.70	50.00	-16.30	25	100	peak
2	104.9033	37.20	-11.96	25.24	50.00	-24.76	160	100	peak
3	145.8611	51.94	-14.89	37.05	50.00	-12.95	230	100	peak
4	160.3457	47.34	-15.03	32.31	50.00	-17.69	177	100	peak
5	263.8190	44.31	-9.96	34.35	57.00	-22.65	49	100	peak
6	291.0360	43.11	-9.65	33.46	57.00	-23.54	250	100	peak

Test Specification: *Vertical*

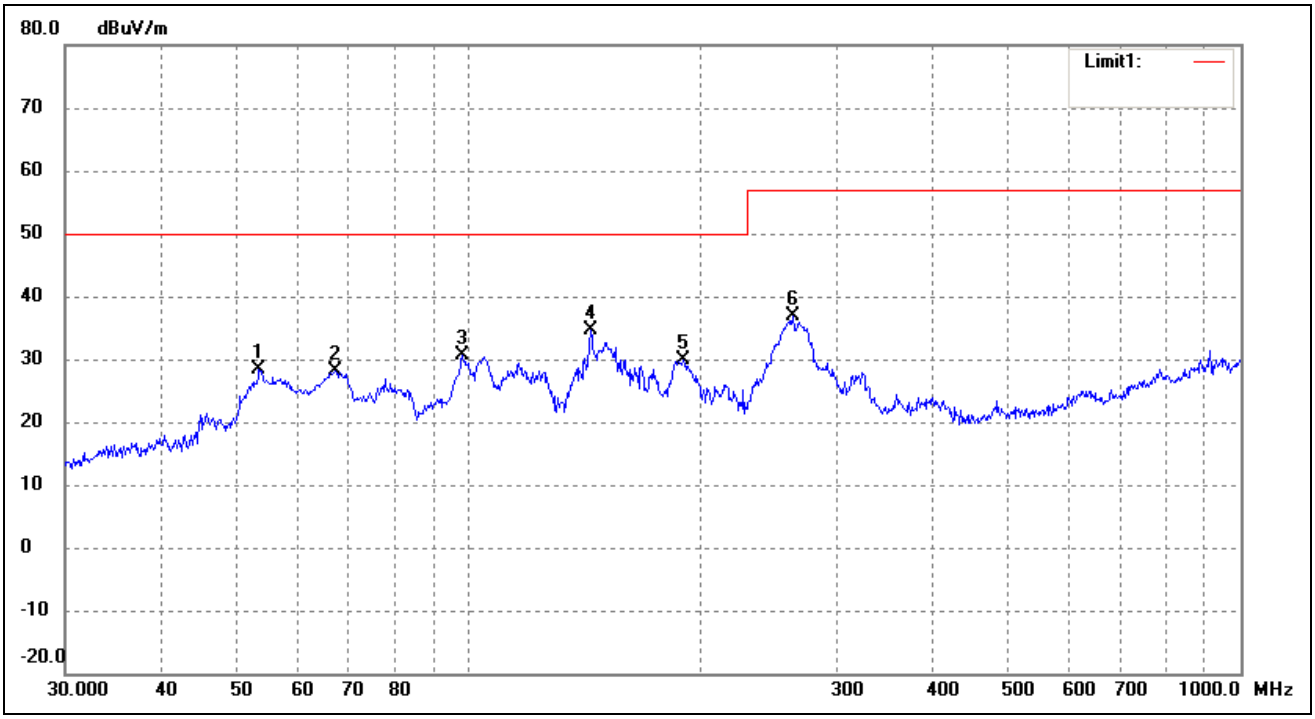


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	34.7602	45.35	-11.60	33.75	50.00	-16.25	60	100	peak
2	53.8818	46.90	-11.67	35.23	50.00	-14.77	150	100	peak
3	77.5928	63.08	-17.68	45.40	50.00	-4.60	356	100	QP
4	88.9639	52.68	-14.09	38.59	50.00	-11.41	174	100	peak
5	122.4040	47.53	-13.84	33.69	50.00	-16.31	52	100	peak
6	151.5972	49.23	-14.96	34.27	50.00	-15.73	220	100	peak

Plot of Radiated Emissions Test Data

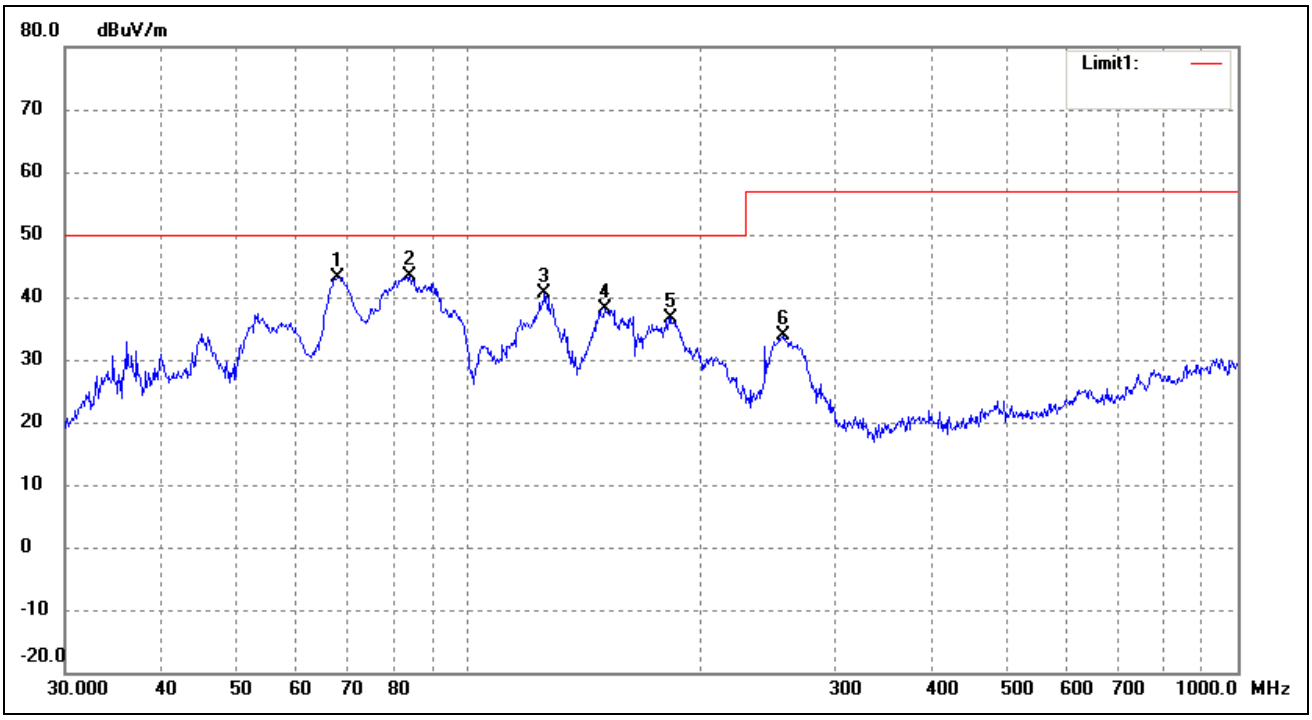
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	53.5052	39.43	-11.08	28.35	50.00	-21.65	63	100	peak
2	67.2022	42.11	-13.93	28.18	50.00	-21.82	355	100	peak
3	98.1419	42.35	-11.81	30.54	50.00	-19.46	201	100	peak
4	143.8295	49.53	-14.86	34.67	50.00	-15.33	156	100	peak
5	189.7385	42.86	-12.94	29.92	50.00	-20.08	285	100	peak
6	262.8955	46.86	-9.99	36.87	57.00	-20.13	44	100	peak

Test Specification: *Vertical*

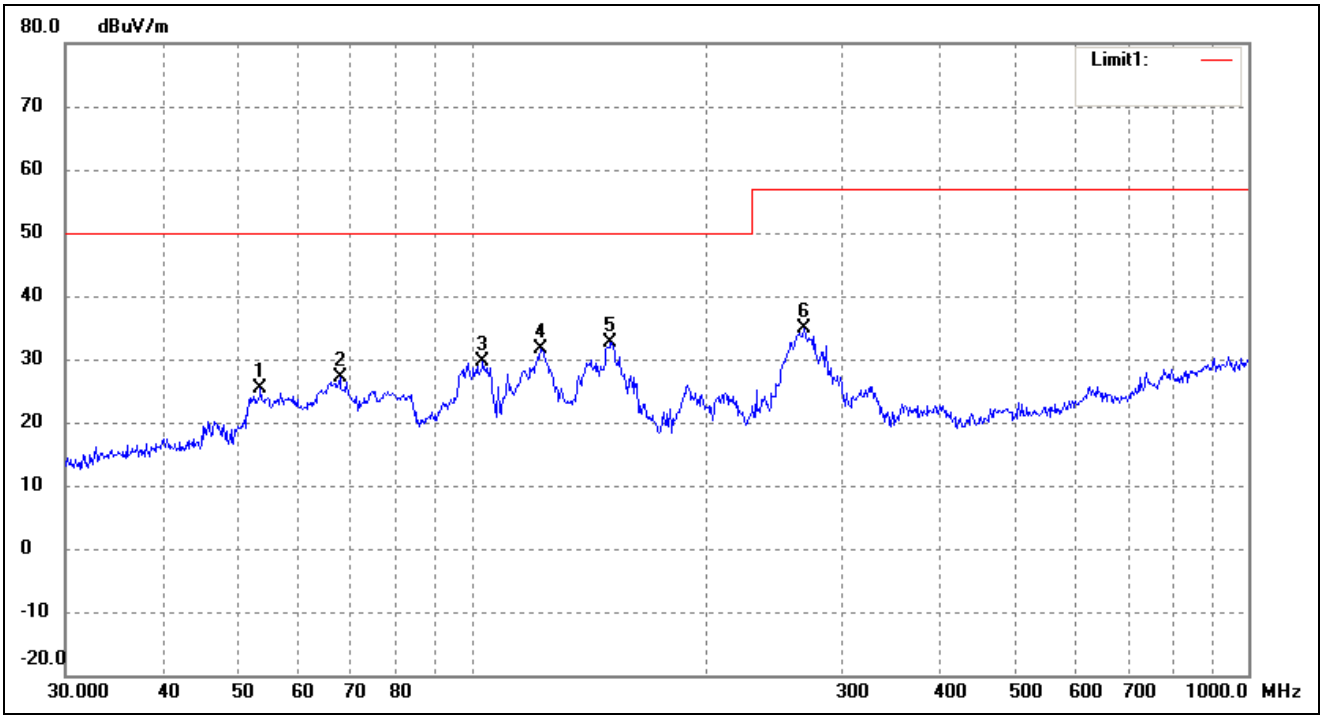


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	67.6751	58.87	-15.66	43.21	50.00	-6.79	60	100	peak
2	84.1100	59.62	-16.28	43.34	50.00	-6.66	155	100	peak
3	125.8864	54.57	-14.02	40.55	50.00	-9.45	163	100	peak
4	150.5378	53.08	-14.95	38.13	50.00	-11.87	320	100	peak
5	183.2005	50.35	-13.80	36.55	50.00	-13.45	274	100	peak
6	256.5211	44.00	-10.22	33.78	57.00	-23.22	168	100	peak

Plot of Radiated Emissions Test Data

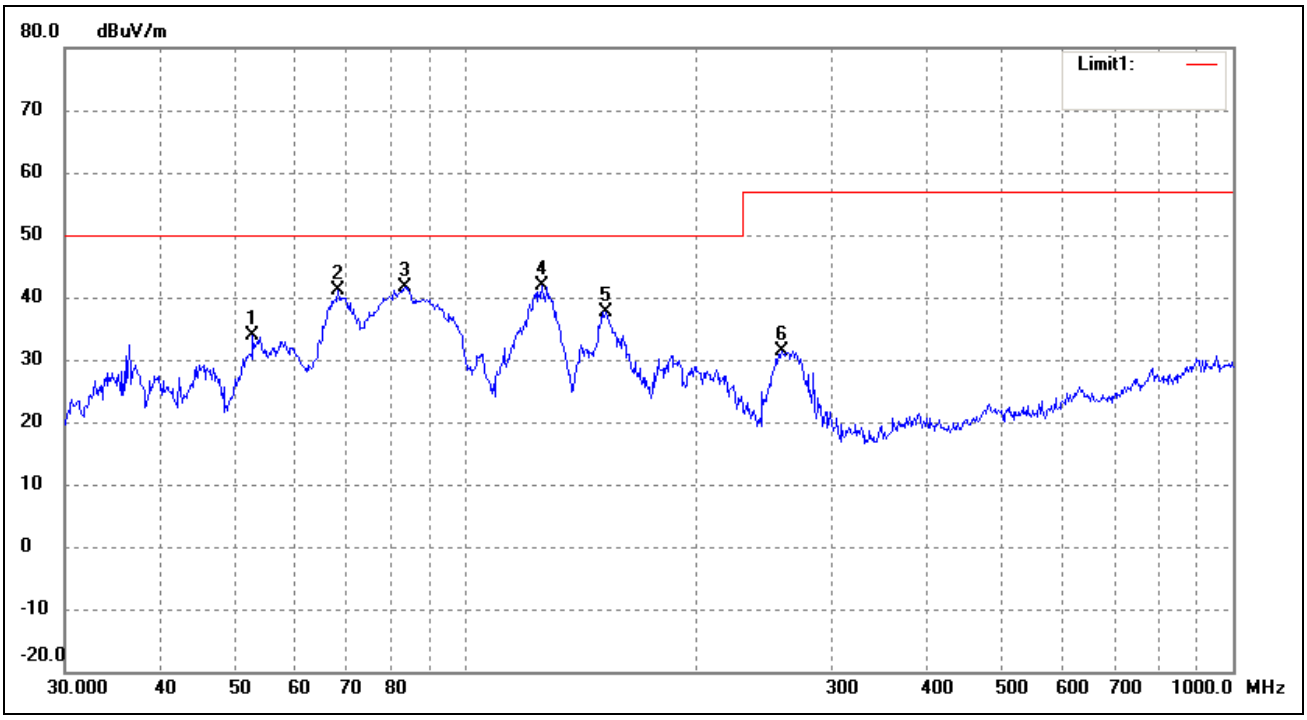
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	53.5052	36.43	-11.08	25.35	50.00	-24.65	35	100	peak
2	67.6751	41.27	-14.06	27.21	50.00	-22.79	268	100	peak
3	103.4421	41.35	-11.80	29.55	50.00	-20.45	205	100	peak
4	122.8340	45.43	-13.85	31.58	50.00	-18.42	166	100	peak
5	151.0666	47.57	-14.96	32.61	50.00	-17.39	300	100	peak
6	267.5455	44.66	-9.85	34.81	57.00	-22.19	95	100	peak

Test Specification: *Vertical*

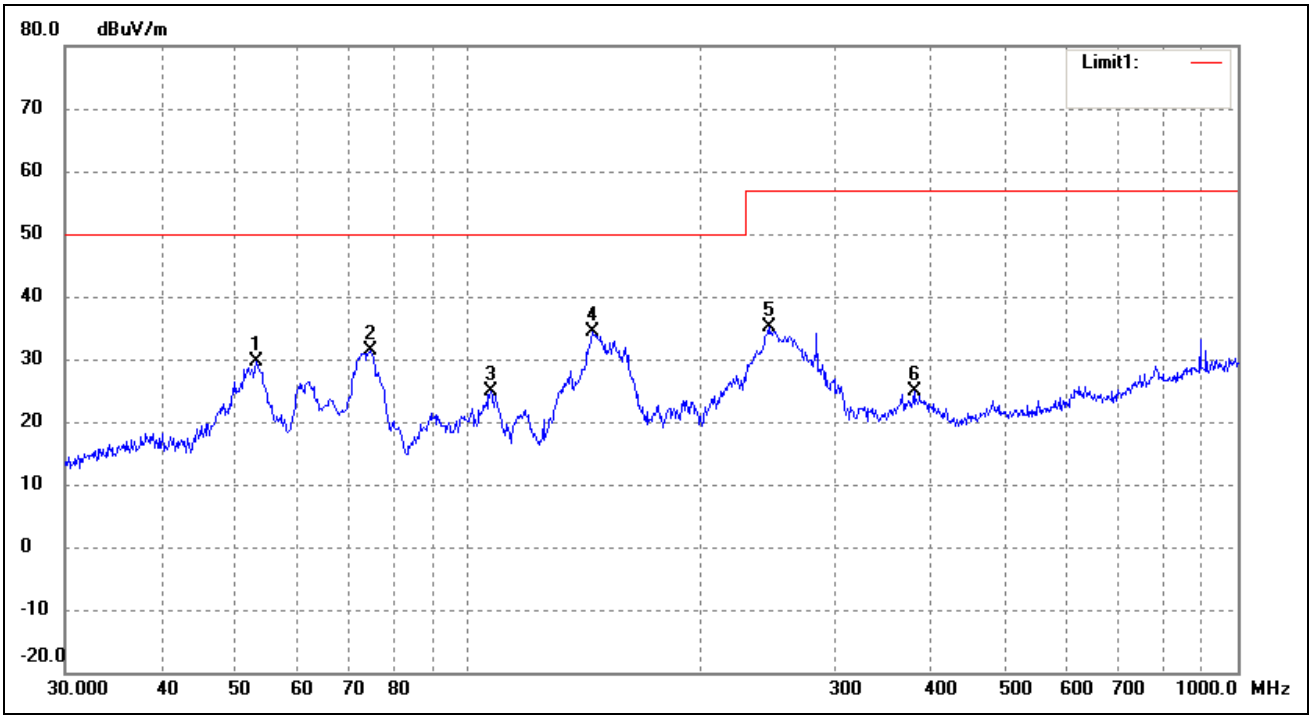


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.7600	45.22	-11.30	33.92	50.00	-16.08	236	100	peak
2	68.1514	56.88	-15.78	41.10	50.00	-8.90	30	100	peak
3	83.2298	58.34	-16.68	41.66	50.00	-8.34	214	100	peak
4	125.4457	55.77	-14.00	41.77	50.00	-8.23	108	100	peak
5	152.1297	52.69	-14.97	37.72	50.00	-12.28	159	100	peak
6	258.3264	41.53	-10.14	31.39	57.00	-25.61	75	100	peak

Plot of Radiated Emissions Test Data

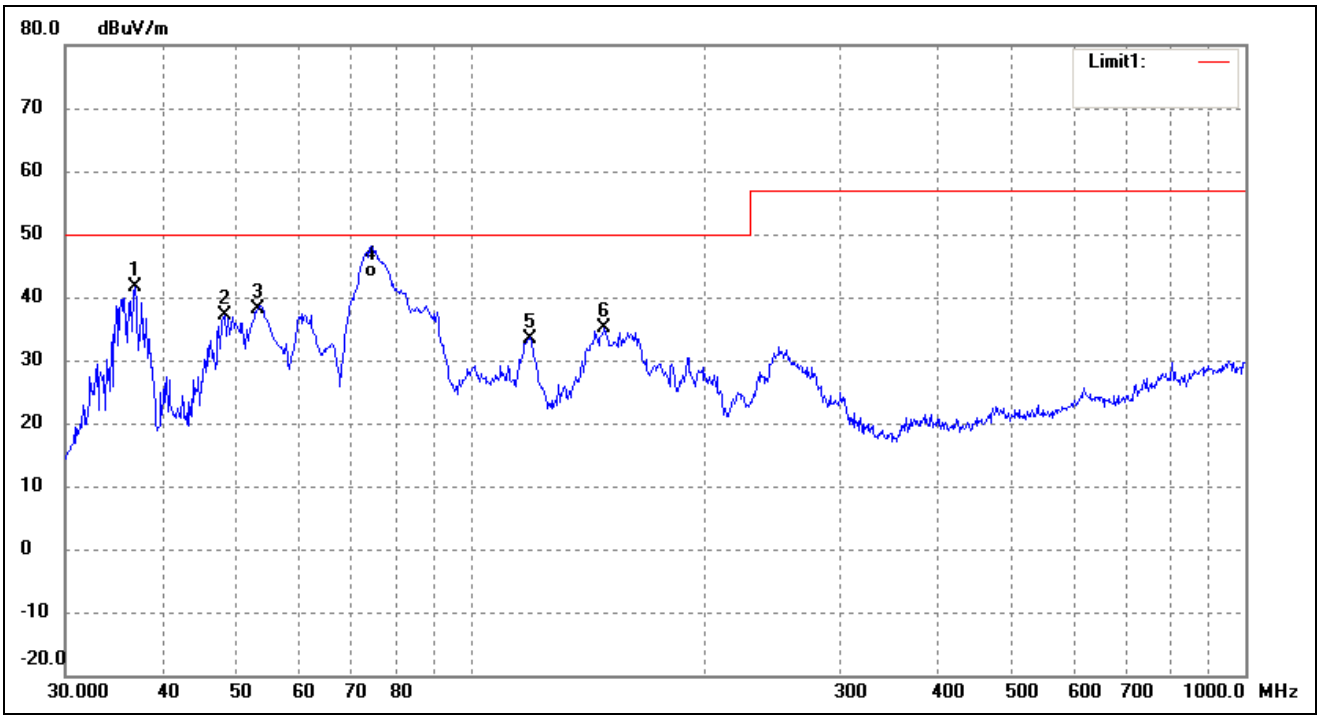
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	53.1313	40.57	-11.03	29.54	50.00	-20.46	88	100	peak
2	74.6569	47.05	-15.59	31.46	50.00	-18.54	246	100	peak
3	107.1337	37.05	-12.22	24.83	50.00	-25.17	268	100	peak
4	145.3506	49.32	-14.88	34.44	50.00	-15.56	147	100	peak
5	245.9509	45.89	-10.69	35.20	57.00	-21.80	156	100	peak
6	379.9141	31.77	-7.00	24.77	57.00	-32.23	25	100	peak

Test Specification: *Vertical*

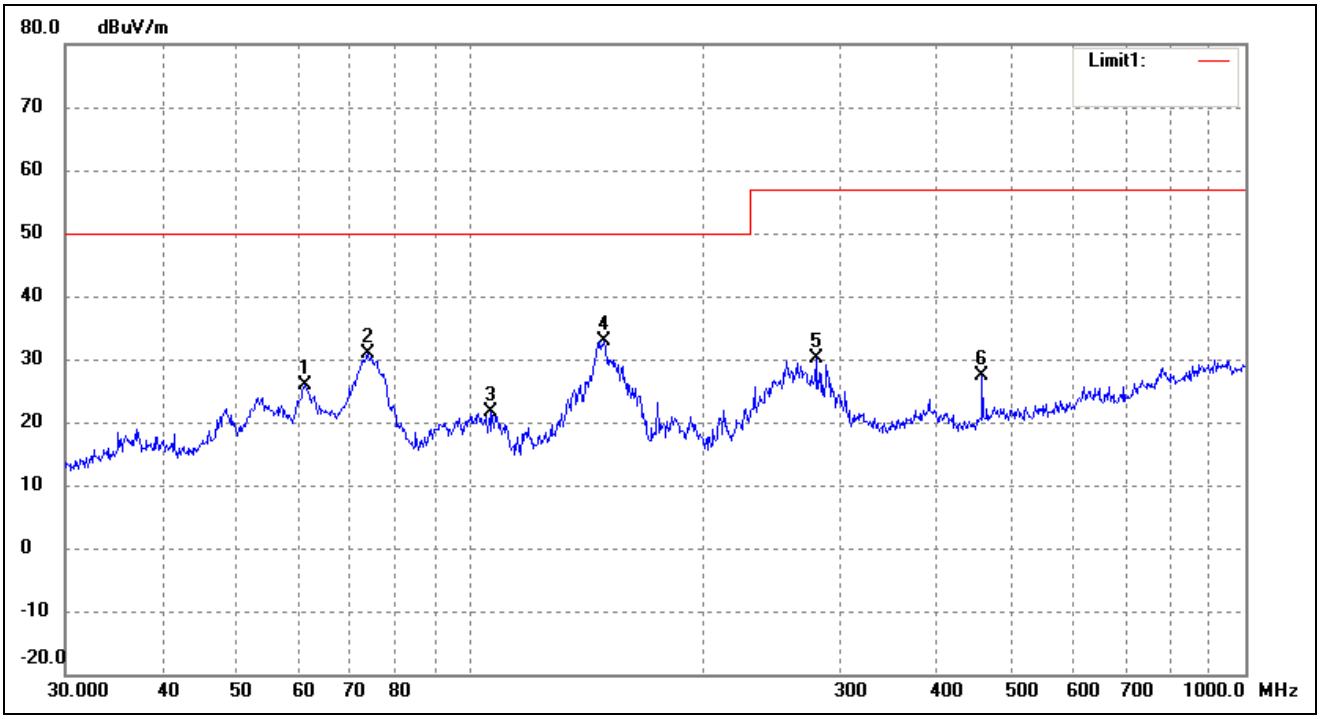


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.8953	52.66	-11.12	41.54	50.00	-8.46	91	100	peak
2	48.1626	47.44	-10.42	37.02	50.00	-12.98	228	100	peak
3	53.1313	49.65	-11.42	38.23	50.00	-11.77	45	100	peak
4	74.3955	60.19	-17.09	43.10	50.00	-6.90	163	100	QP
5	119.4361	47.14	-13.64	33.50	50.00	-16.50	321	100	peak
6	148.9625	49.94	-14.93	35.01	50.00	-14.99	150	100	peak

Plot of Radiated Emissions Test Data

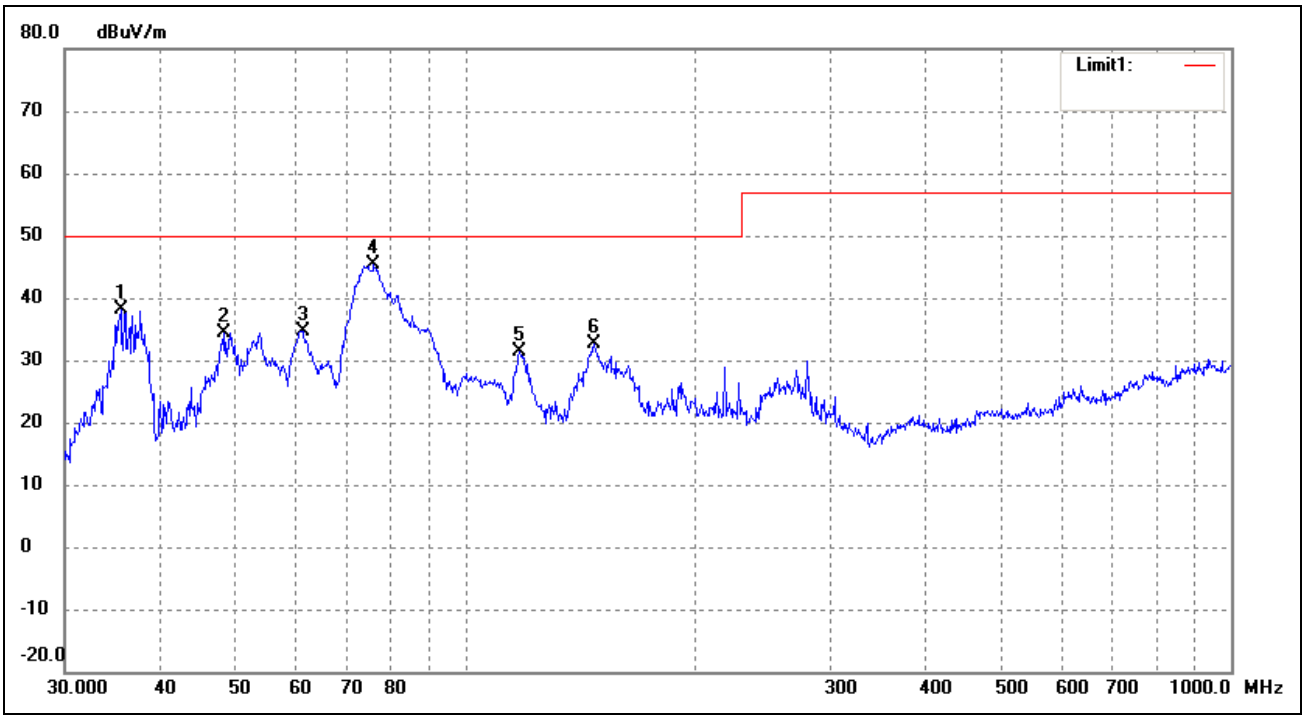
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	61.1316	37.88	-12.12	25.76	50.00	-24.24	61	100	peak
2	73.8756	46.39	-15.45	30.94	50.00	-19.06	133	100	peak
3	106.3850	33.89	-12.14	21.75	50.00	-28.25	285	100	peak
4	148.9625	47.93	-14.93	33.00	50.00	-17.00	167	100	peak
5	279.0436	39.78	-9.53	30.25	57.00	-26.75	50	100	peak
6	457.5073	34.19	-6.86	27.33	57.00	-29.67	126	100	peak

Test Specification: *Vertical*

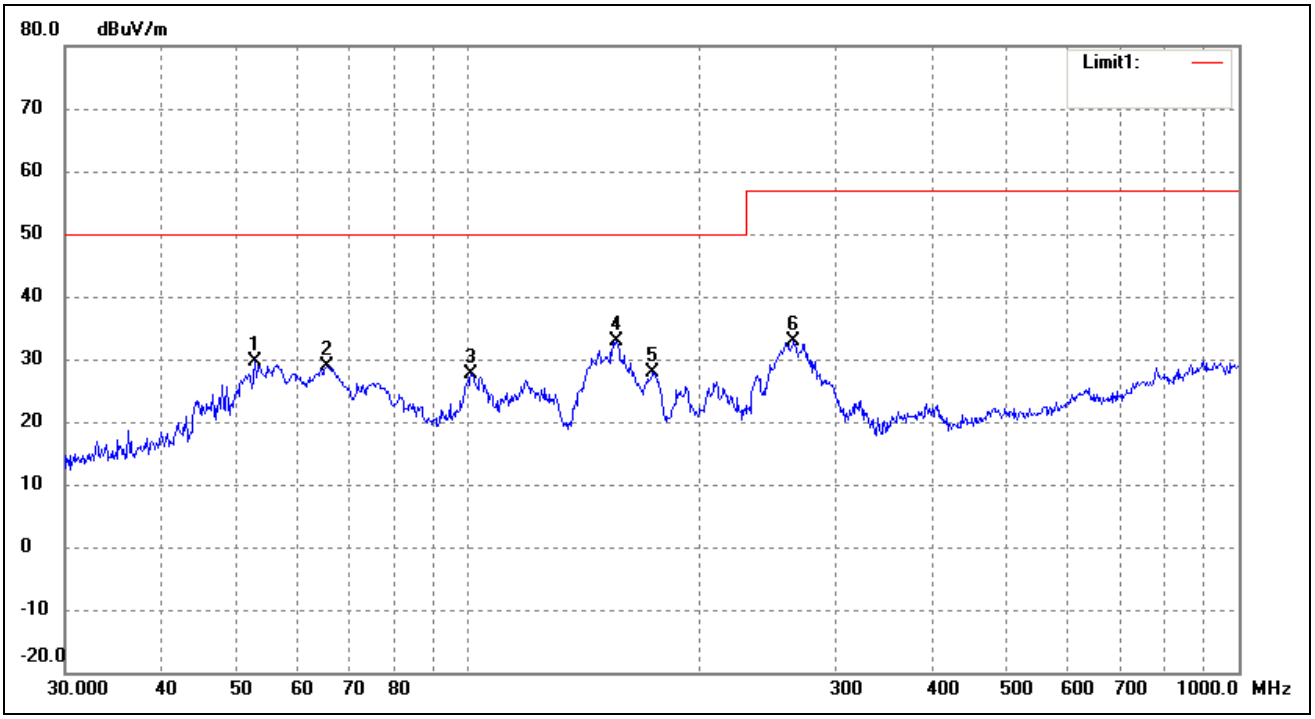


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	35.4993	49.52	-11.44	38.08	50.00	-11.92	60	100	peak
2	48.5016	44.83	-10.41	34.42	50.00	-15.58	157	100	peak
3	61.3463	48.65	-14.03	34.62	50.00	-15.38	236	100	peak
4	75.9773	62.73	-17.39	45.34	50.00	-4.66	274	100	peak
5	117.7725	44.81	-13.44	31.37	50.00	-18.63	155	100	peak
6	147.4036	47.58	-14.92	32.66	50.00	-17.34	142	100	peak

Plot of Radiated Emissions Test Data

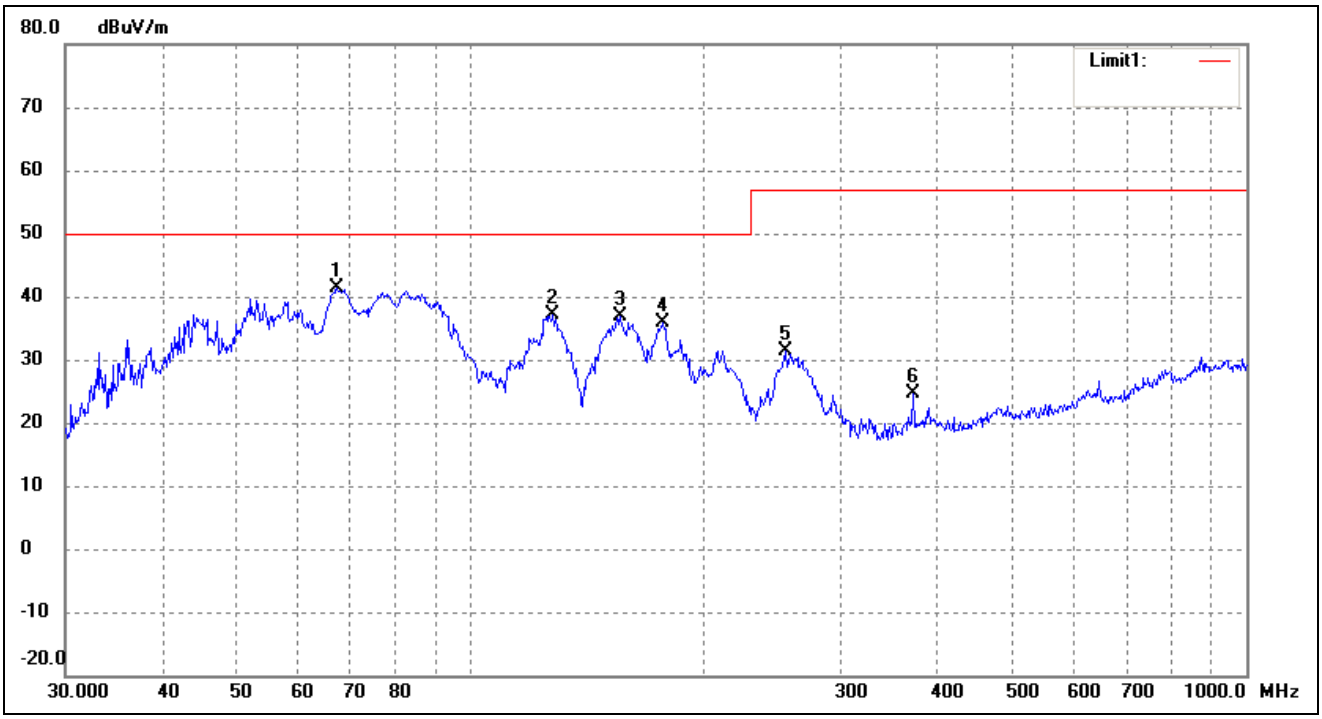
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.9453	40.59	-11.01	29.58	50.00	-20.42	64	100	peak
2	65.5727	42.41	-13.44	28.97	50.00	-21.03	258	100	peak
3	100.9340	39.25	-11.51	27.74	50.00	-22.26	190	100	peak
4	155.9101	47.93	-15.00	32.93	50.00	-17.07	356	100	peak
5	173.8135	42.42	-14.47	27.95	50.00	-22.05	26	100	peak
6	264.7457	42.72	-9.94	32.78	57.00	-24.22	147	100	peak

Test Specification: *Vertical*

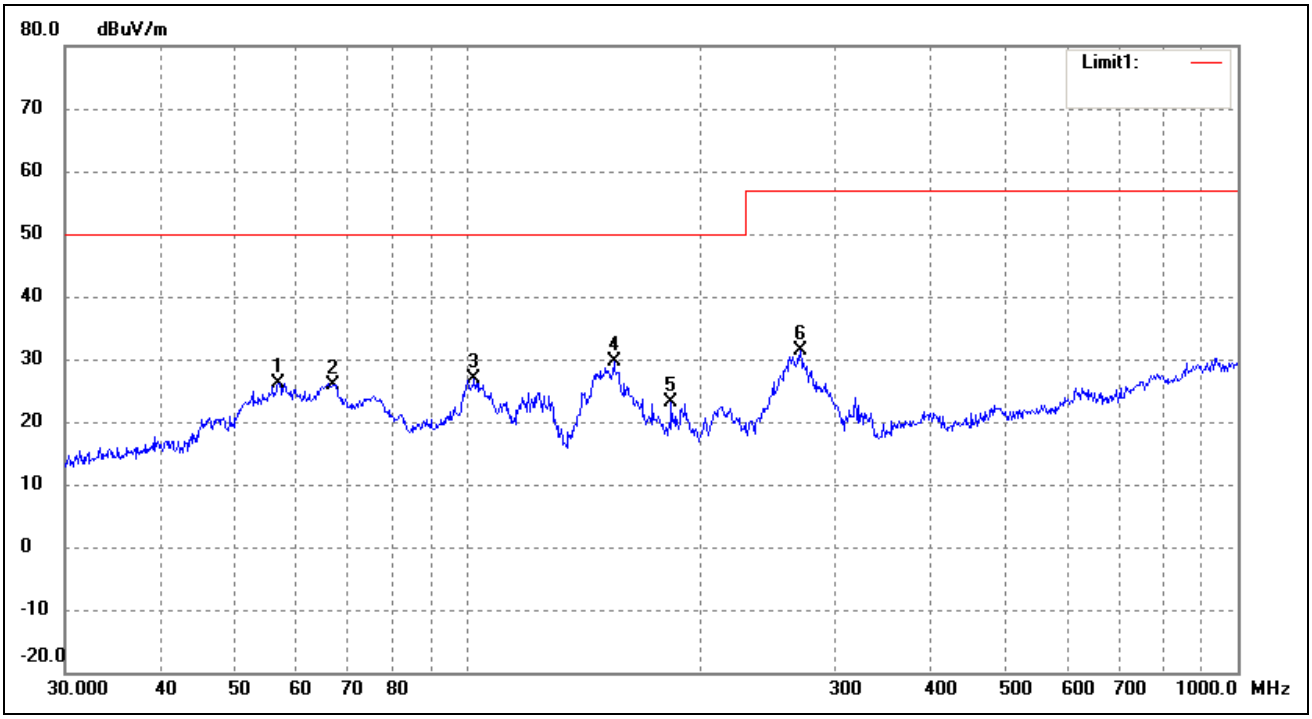


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	67.2022	56.82	-15.54	41.28	50.00	-8.72	190	100	peak
2	127.6645	51.17	-14.12	37.05	50.00	-12.95	75	100	peak
3	155.9101	51.92	-15.00	36.92	50.00	-13.08	150	100	peak
4	176.8878	50.20	-14.35	35.85	50.00	-14.15	266	100	peak
5	254.7284	41.62	-10.30	31.32	57.00	-25.68	314	100	peak
6	372.0045	31.90	-7.36	24.54	57.00	-32.46	185	100	peak

Plot of Radiated Emissions Test Data

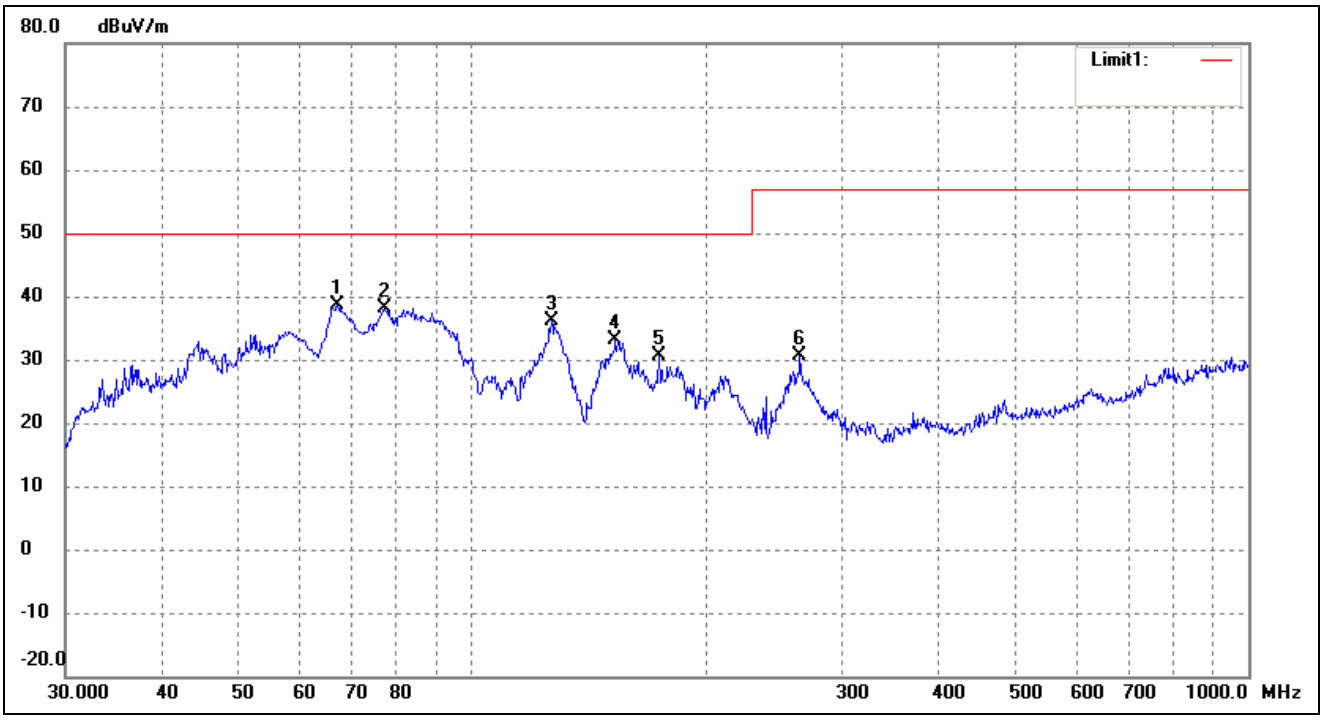
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	56.7917	37.58	-11.44	26.14	50.00	-23.86	65	100	peak
2	66.7325	39.75	-13.79	25.96	50.00	-24.04	255	100	peak
3	102.0014	38.42	-11.63	26.79	50.00	-23.21	185	100	peak
4	154.8205	44.69	-14.99	29.70	50.00	-20.30	346	100	peak
5	183.8440	36.85	-13.72	23.13	50.00	-26.87	78	100	peak
6	270.3748	41.16	-9.78	31.38	57.00	-25.62	125	100	peak

Test Specification: *Vertical*

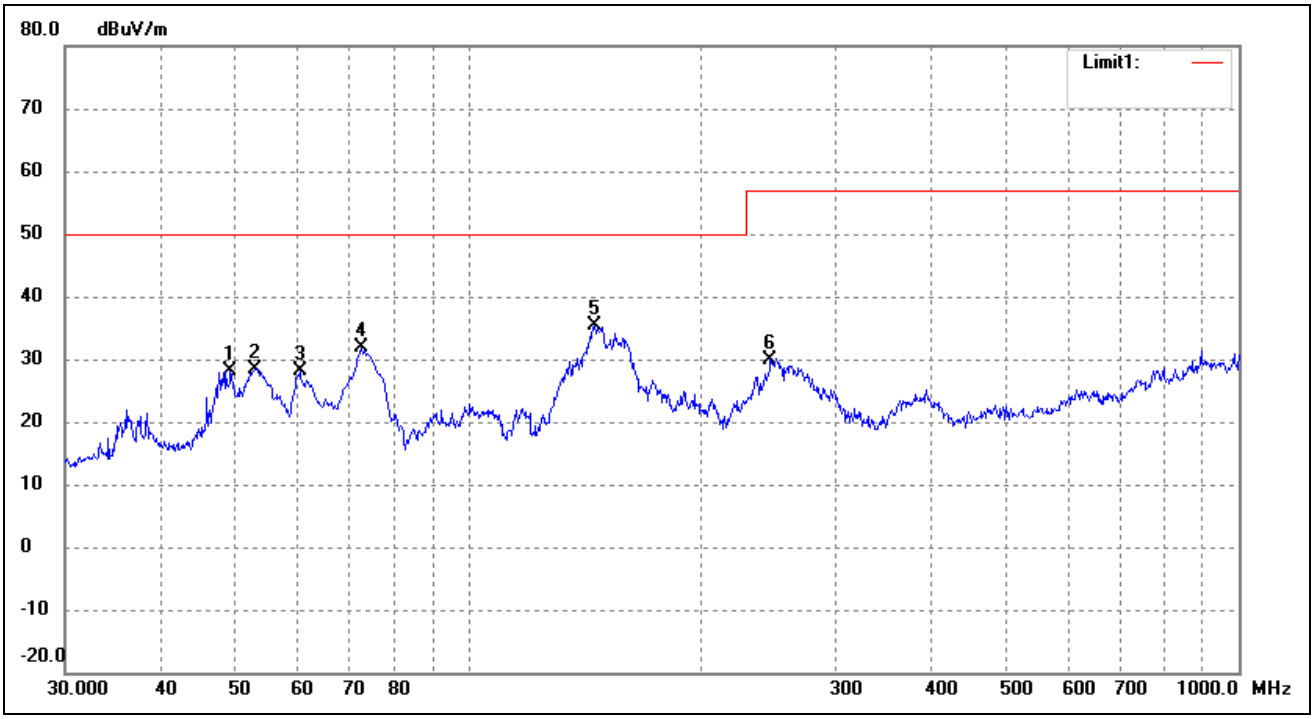


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	67.2022	54.28	-15.54	38.74	50.00	-11.26	45	100	peak
2	77.3212	55.83	-17.64	38.19	50.00	-11.81	166	100	peak
3	126.7723	50.25	-14.07	36.18	50.00	-13.82	201	100	peak
4	153.2004	48.01	-14.98	33.03	50.00	-16.97	222	100	peak
5	174.4241	45.15	-14.45	30.70	50.00	-19.30	355	100	peak
6	264.7457	40.67	-9.94	30.73	57.00	-26.27	10	100	peak

Plot of Radiated Emissions Test Data

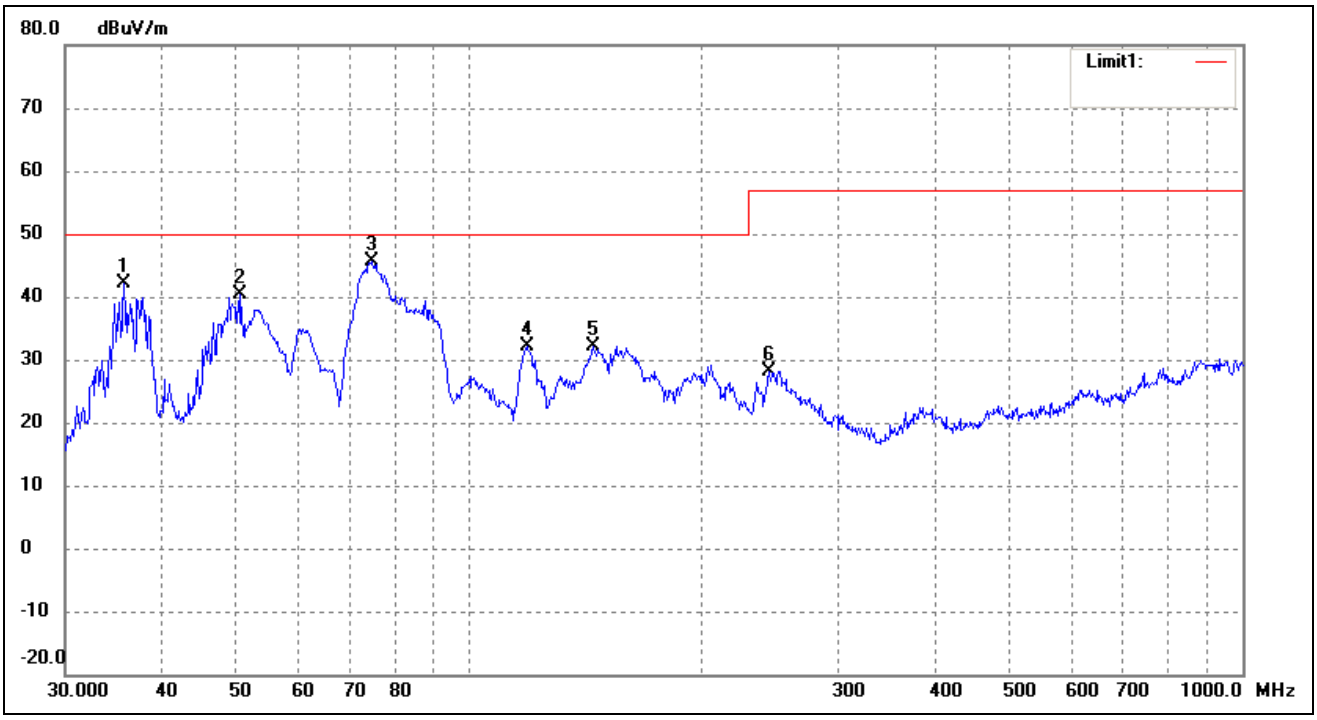
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	49.1866	38.92	-10.69	28.23	50.00	-21.77	85	100	peak
2	52.9453	39.44	-11.01	28.43	50.00	-21.57	264	100	peak
3	60.4919	40.01	-11.93	28.08	50.00	-21.92	115	100	peak
4	72.8466	47.20	-15.26	31.94	50.00	-18.06	200	100	peak
5	145.8611	50.29	-14.89	35.40	50.00	-14.60	198	100	peak
6	246.8149	40.65	-10.65	30.00	57.00	-27.00	56	100	peak

Test Specification: *Vertical*

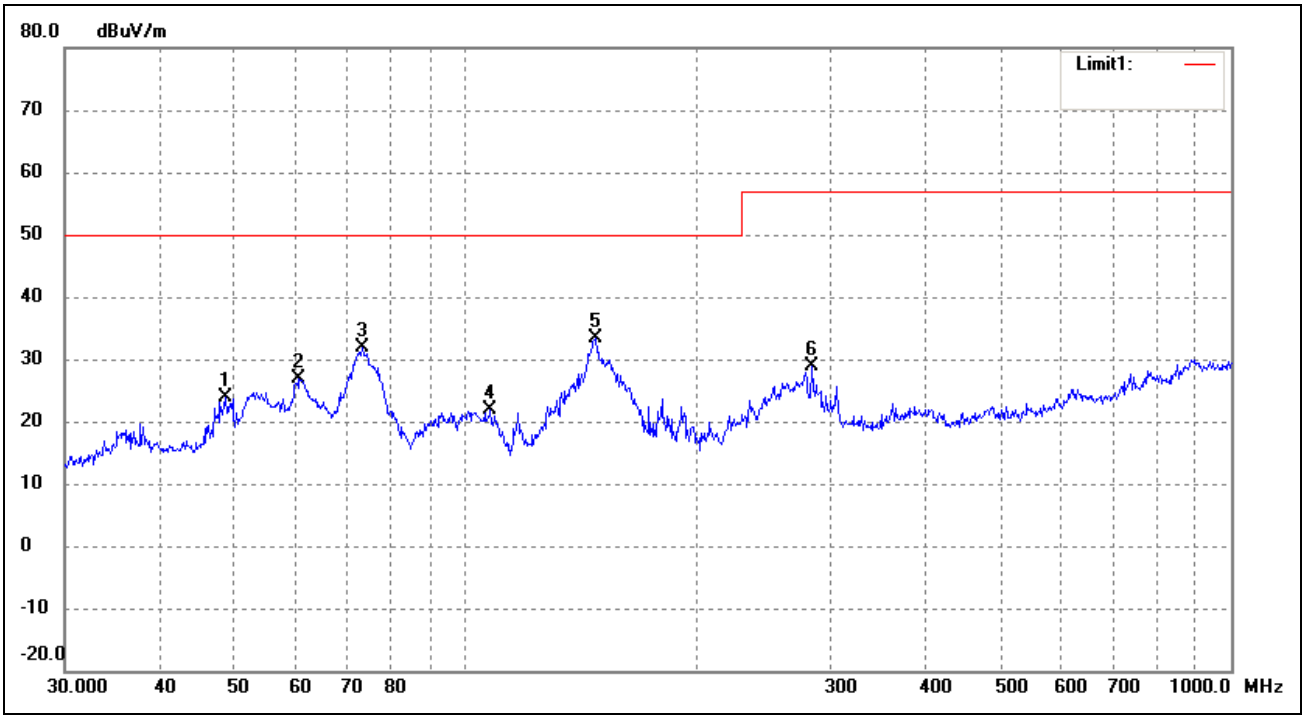


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	35.7491	53.49	-11.38	42.11	50.00	-7.89	66	100	peak
2	50.5860	51.08	-10.59	40.49	50.00	-9.51	277	100	peak
3	74.9191	62.72	-17.18	45.54	50.00	-4.46	188	100	peak
4	118.6014	45.66	-13.54	32.12	50.00	-17.88	250	100	peak
5	144.3348	46.95	-14.87	32.08	50.00	-17.92	160	100	peak
6	244.2321	38.90	-10.76	28.14	57.00	-28.86	56	100	peak

Plot of Radiated Emissions Test Data

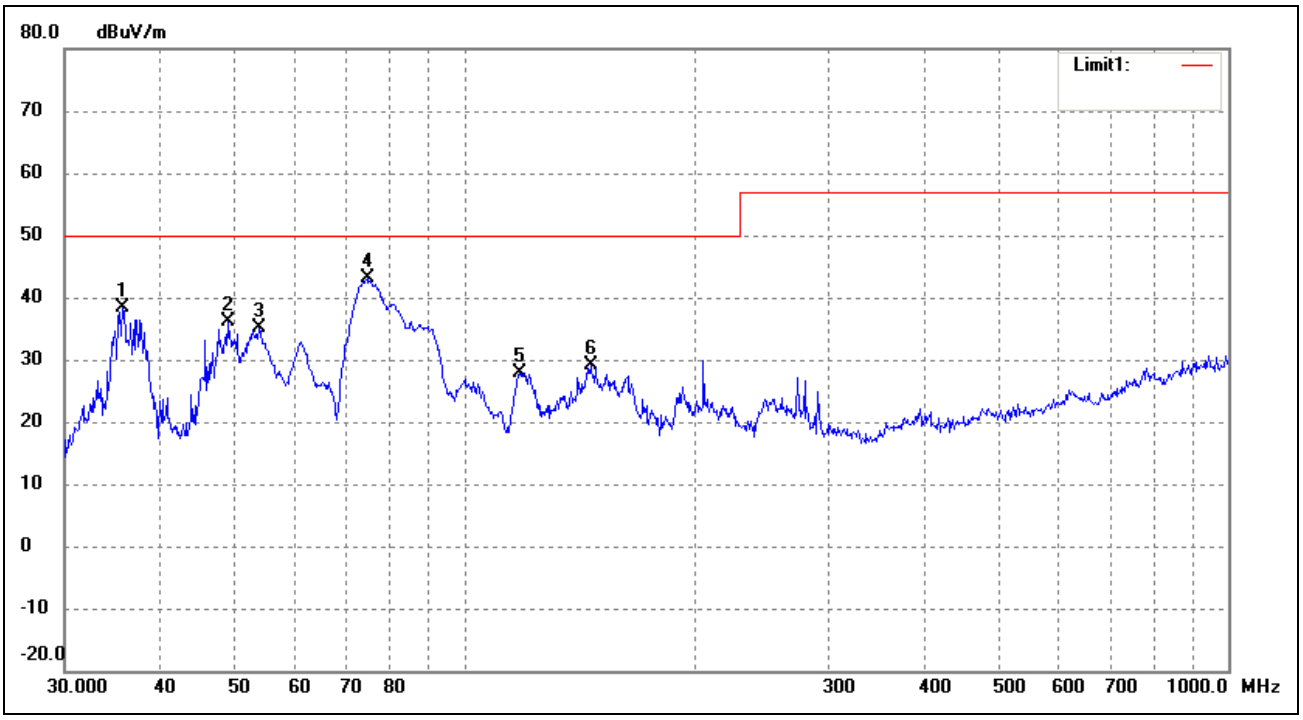
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	48.6719	34.50	-10.68	23.82	50.00	-26.18	63	100	peak
2	60.7044	38.76	-11.99	26.77	50.00	-23.23	320	100	peak
3	73.3593	47.12	-15.35	31.77	50.00	-18.23	155	100	peak
4	107.8877	34.12	-12.31	21.81	50.00	-28.19	275	100	peak
5	147.9214	48.23	-14.92	33.31	50.00	-16.69	45	100	peak
6	283.9792	38.43	-9.56	28.87	57.00	-28.13	152	100	peak

Test Specification: *Vertical*

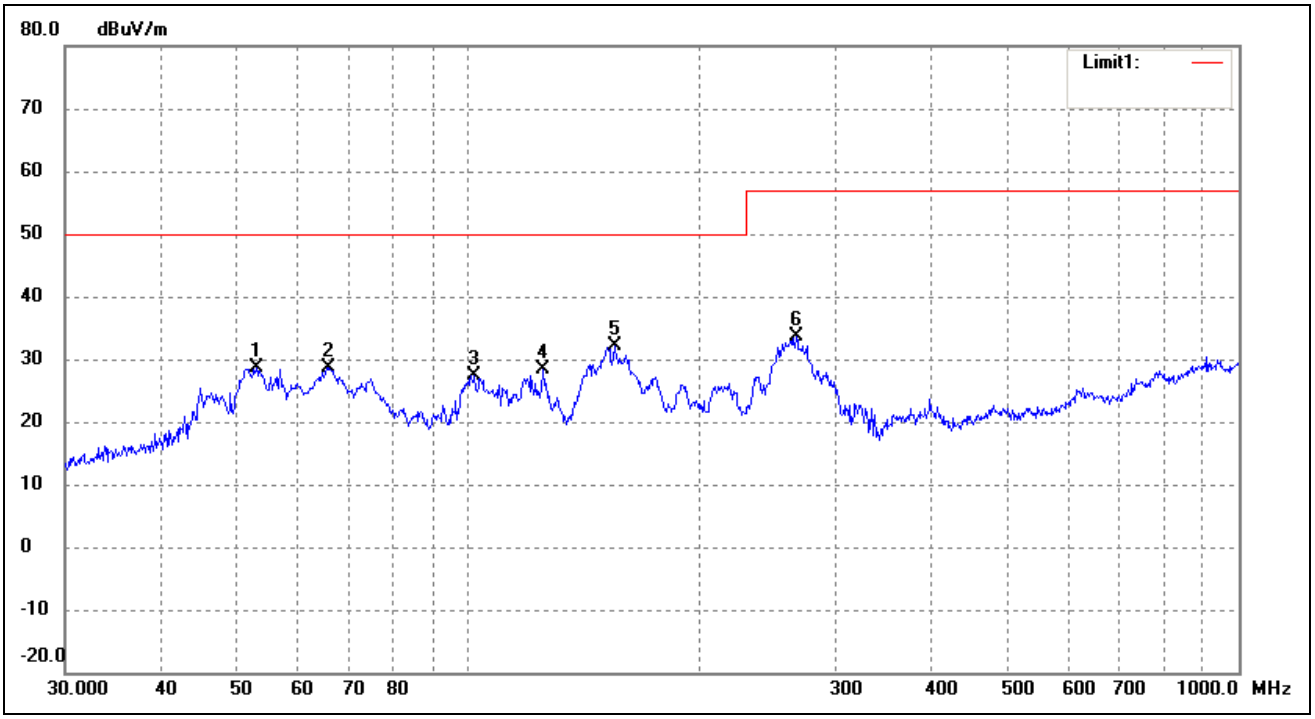


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	35.7491	49.76	-11.38	38.38	50.00	-11.62	90	100	peak
2	49.0145	46.47	-10.41	36.06	50.00	-13.94	155	100	peak
3	53.8818	46.73	-11.67	35.06	50.00	-14.94	326	100	peak
4	74.6569	60.24	-17.13	43.11	50.00	-6.89	274	100	peak
5	118.1862	41.45	-13.49	27.96	50.00	-22.04	15	100	peak
6	146.3735	43.92	-14.90	29.02	50.00	-20.98	206	100	peak

Plot of Radiated Emissions Test Data

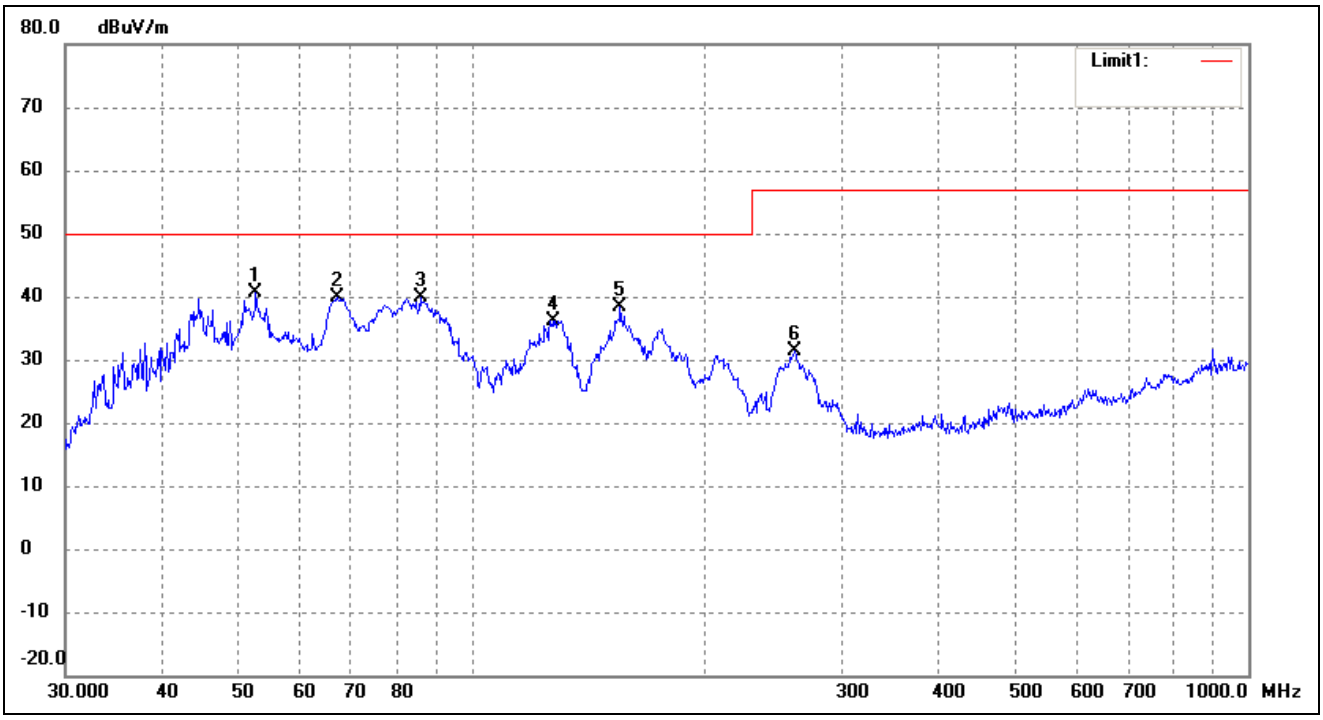
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	53.1313	39.63	-11.03	28.60	50.00	-21.40	96	100	peak
2	66.0342	42.27	-13.58	28.69	50.00	-21.31	246	100	peak
3	102.0014	39.08	-11.63	27.45	50.00	-22.55	315	100	peak
4	125.0066	42.30	-13.98	28.32	50.00	-21.68	201	100	peak
5	154.8205	47.08	-14.99	32.09	50.00	-17.91	48	100	peak
6	266.6089	43.44	-9.88	33.56	57.00	-23.44	85	100	peak

Test Specification: *Vertical*

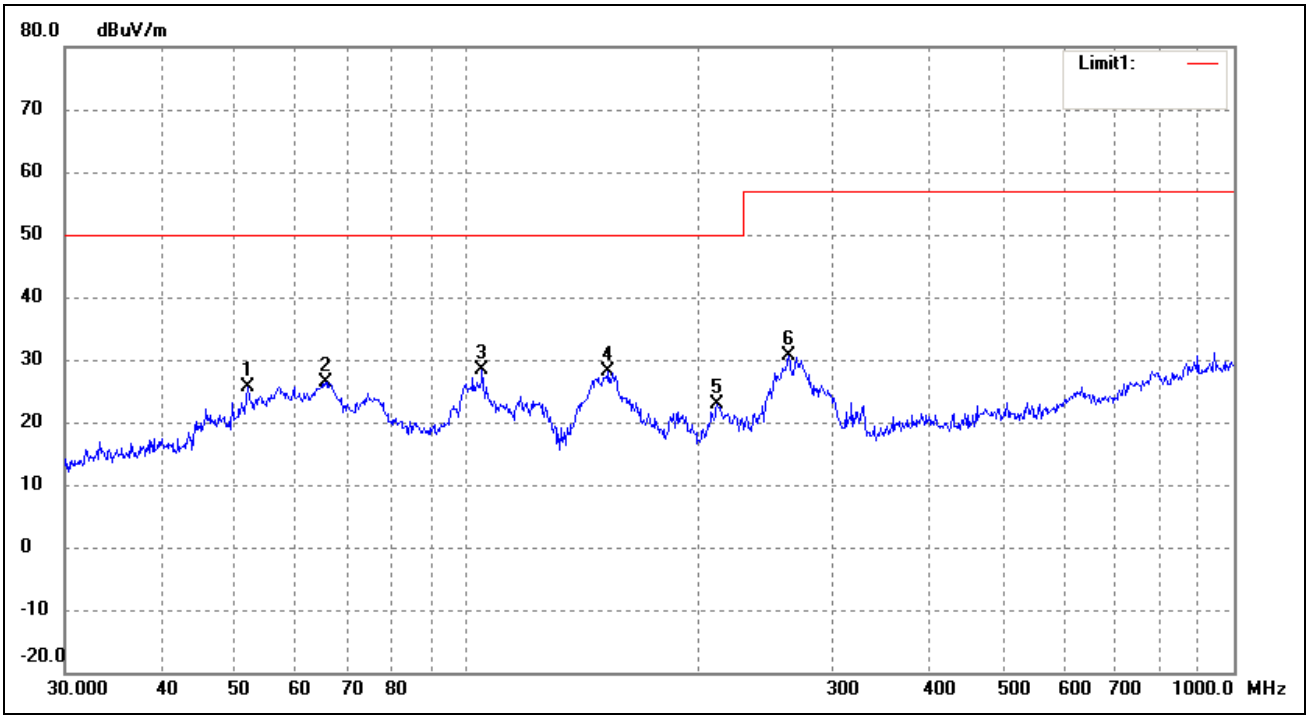


No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.7600	51.90	-11.30	40.60	50.00	-9.40	63	100	peak
2	67.2022	55.30	-15.54	39.76	50.00	-10.24	255	100	peak
3	85.8984	55.24	-15.48	39.76	50.00	-10.24	342	100	peak
4	127.6645	50.34	-14.12	36.22	50.00	-13.78	150	100	peak
5	155.3644	53.43	-15.00	38.43	50.00	-11.57	163	100	peak
6	261.0583	41.50	-10.04	31.46	57.00	-25.54	27	100	peak

Plot of Radiated Emissions Test Data

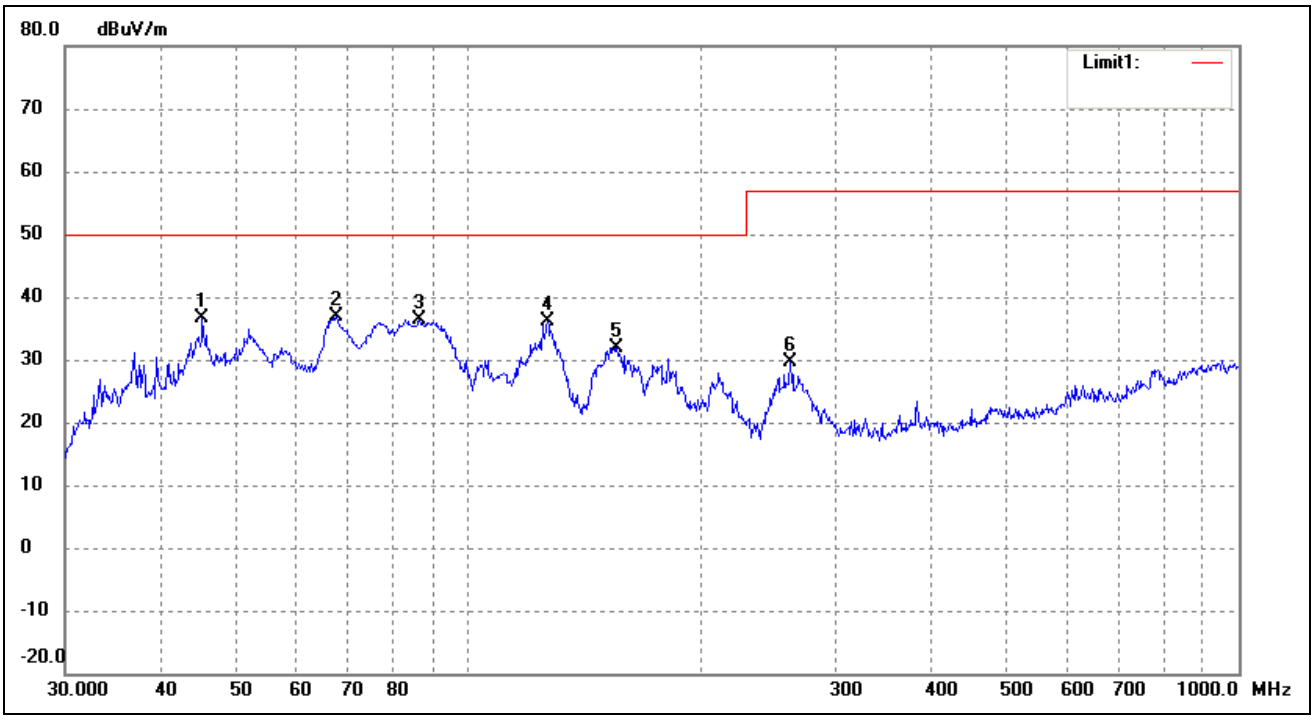
EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*

Test Specification: *Horizontal*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	52.0251	36.59	-10.92	25.67	50.00	-24.33	78	100	peak
2	65.5727	39.79	-13.44	26.35	50.00	-23.65	46	100	peak
3	104.9033	40.41	-11.96	28.45	50.00	-21.55	255	100	peak
4	153.2004	43.17	-14.98	28.19	50.00	-21.81	189	100	peak
5	212.2695	35.02	-12.14	22.88	50.00	-27.12	356	100	peak
6	262.8955	40.74	-9.99	30.75	57.00	-26.25	185	100	peak

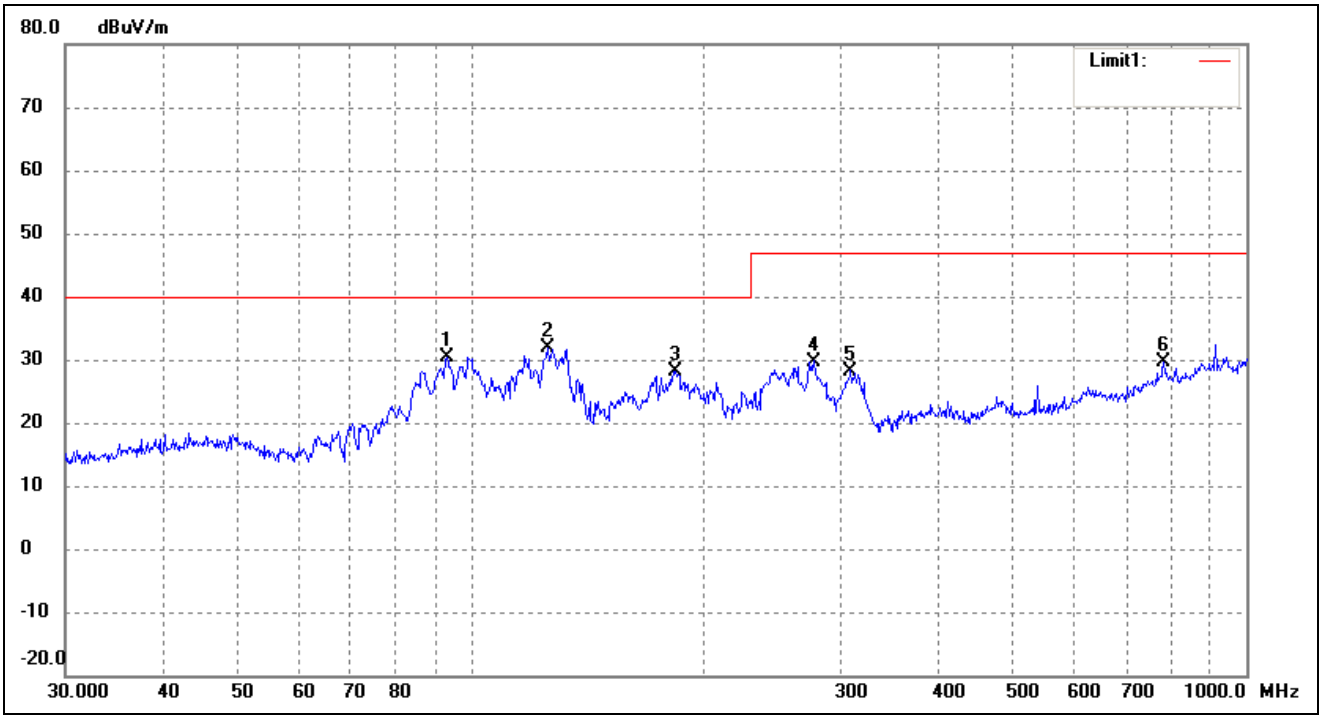
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	45.2166	47.14	-10.45	36.69	50.00	-13.31	22	100	peak
2	67.4382	52.58	-15.60	36.98	50.00	-13.02	314	100	peak
3	86.5029	51.63	-15.20	36.43	50.00	-13.57	157	100	peak
4	126.7723	50.31	-14.07	36.24	50.00	-13.76	165	100	peak
5	155.9101	46.95	-15.00	31.95	50.00	-18.05	205	100	peak
6	261.9753	39.63	-10.02	29.61	57.00	-27.39	223	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



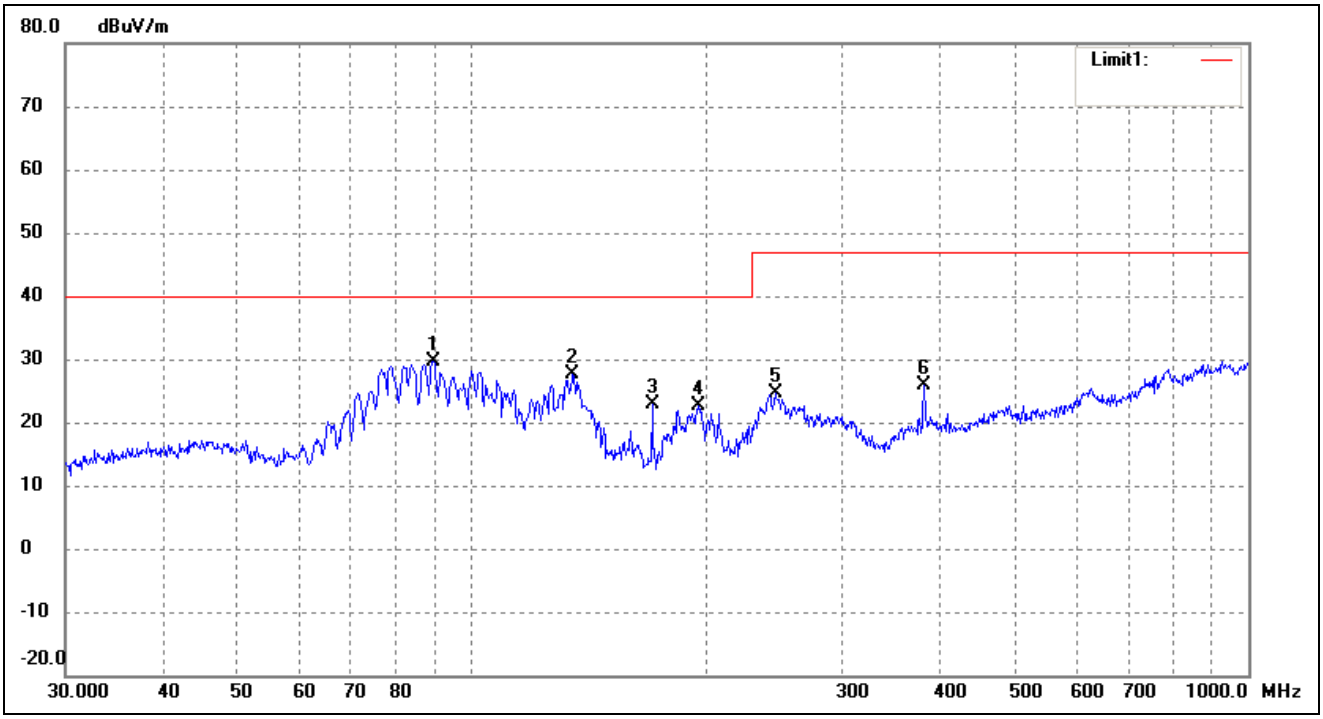
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	93.1132	43.43	-12.93	30.50	40.00	-9.50	215	100	peak
2	125.4457	45.79	-14.00	31.79	40.00	-8.21	142	100	peak
3	183.8440	41.87	-13.72	28.15	40.00	-11.85	23	100	peak
4	277.0935	39.34	-9.59	29.75	47.00	-17.25	312	100	peak
5	308.9126	37.94	-9.69	28.25	47.00	-18.75	102	100	peak
6	782.3453	29.01	0.50	29.51	47.00	-17.49	21	100	peak

Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	70.3365	50.10	-16.32	33.78	40.00	-6.22	98	100	peak
2	85.2981	52.17	-15.75	36.42	40.00	-3.58	245	100	QP
3	98.4866	46.35	-11.73	34.62	40.00	-5.38	185	100	peak
4	129.9226	45.91	-14.24	31.67	40.00	-8.33	266	100	peak
5	154.2786	45.15	-14.99	30.16	40.00	-9.84	345	100	peak
6	245.9509	39.53	-10.69	28.84	47.00	-18.16	121	100	peak
7	275.1570	35.95	-9.64	26.31	47.00	-20.69	102	100	peak

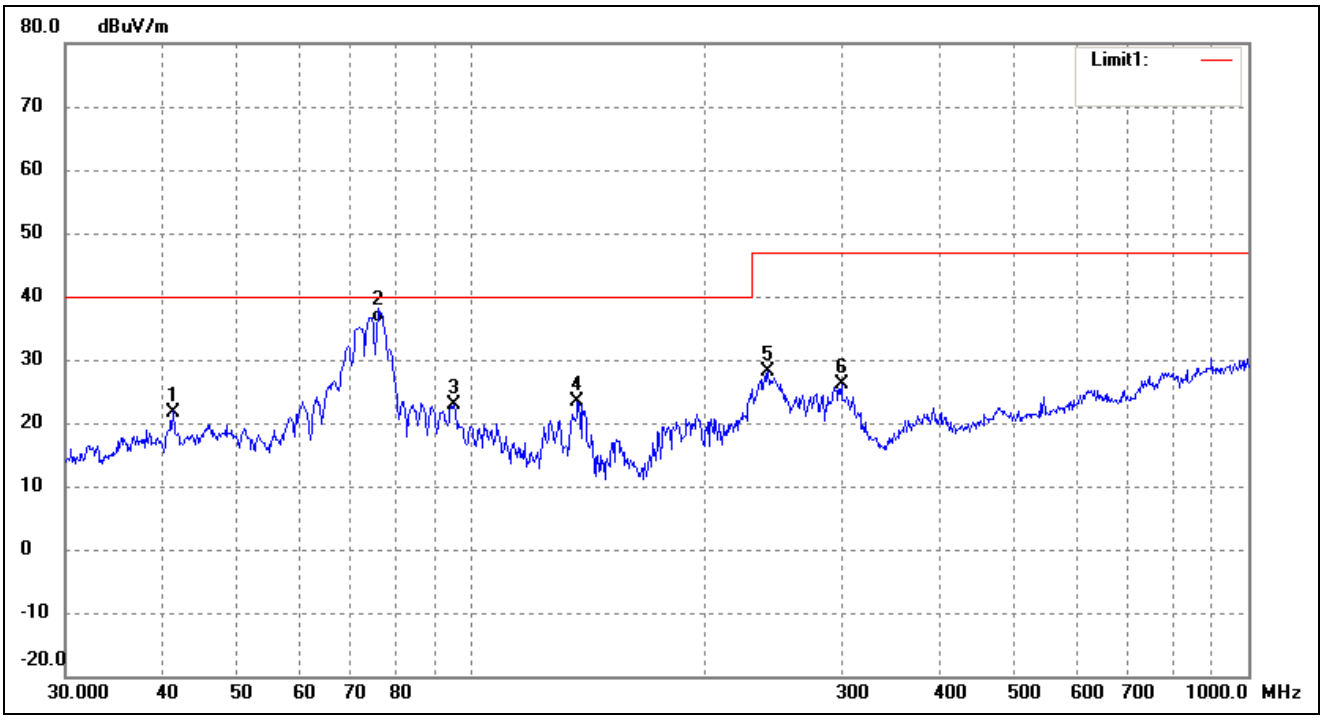
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	89.2764	43.42	-13.83	29.59	40.00	-10.41	99	100	peak
2	135.0319	42.10	-14.53	27.57	40.00	-12.43	215	100	peak
3	170.7926	37.49	-14.60	22.89	40.00	-17.11	14	100	peak
4	195.8220	34.82	-12.15	22.67	40.00	-17.33	163	100	peak
5	245.9509	35.35	-10.69	24.66	47.00	-22.34	323	100	peak
6	382.5879	32.90	-7.07	25.83	47.00	-21.17	210	100	peak

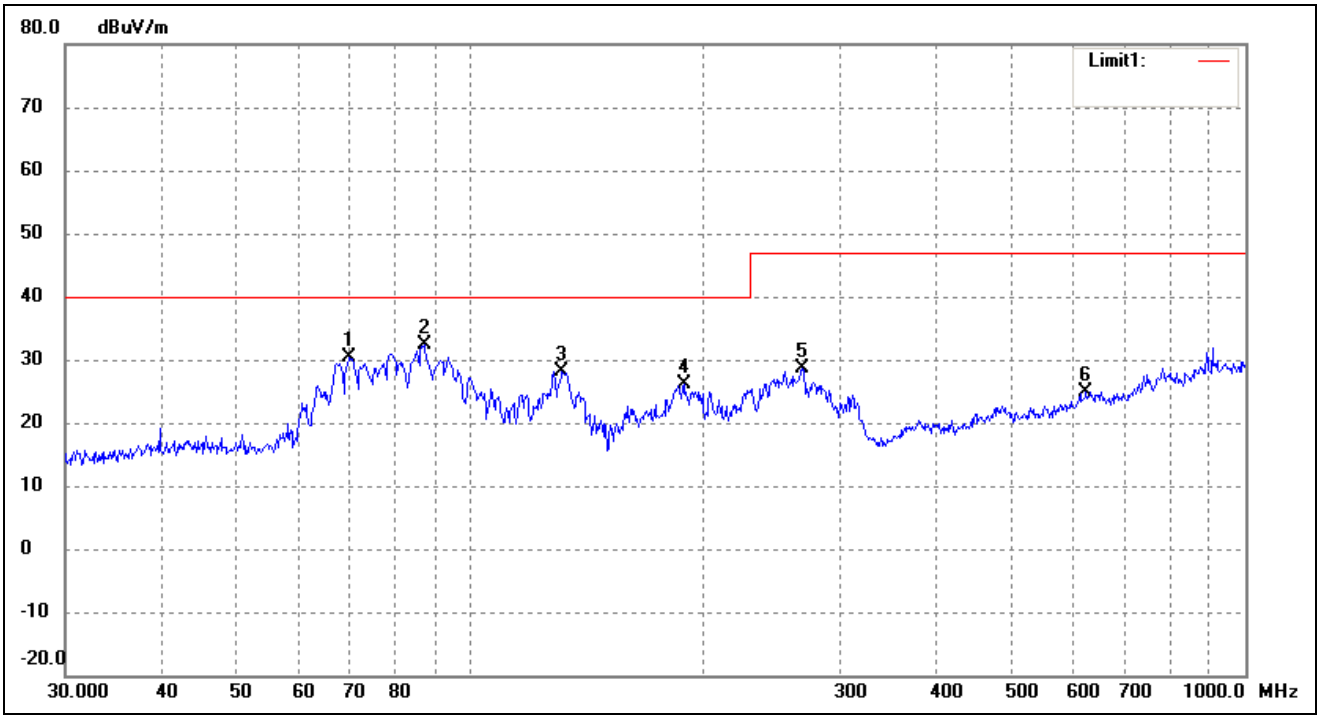
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	41.2765	32.17	-10.42	21.75	40.00	-18.25	45	100	peak
2	75.9773	53.17	-17.39	35.78	40.00	-4.22	185	100	QP
3	94.7601	35.51	-12.56	22.95	40.00	-17.05	245	100	peak
4	136.9392	37.96	-14.63	23.33	40.00	-16.67	236	100	peak
5	240.8304	39.11	-10.93	28.18	47.00	-18.82	311	100	peak
6	299.3158	35.91	-9.74	26.17	47.00	-20.83	102	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



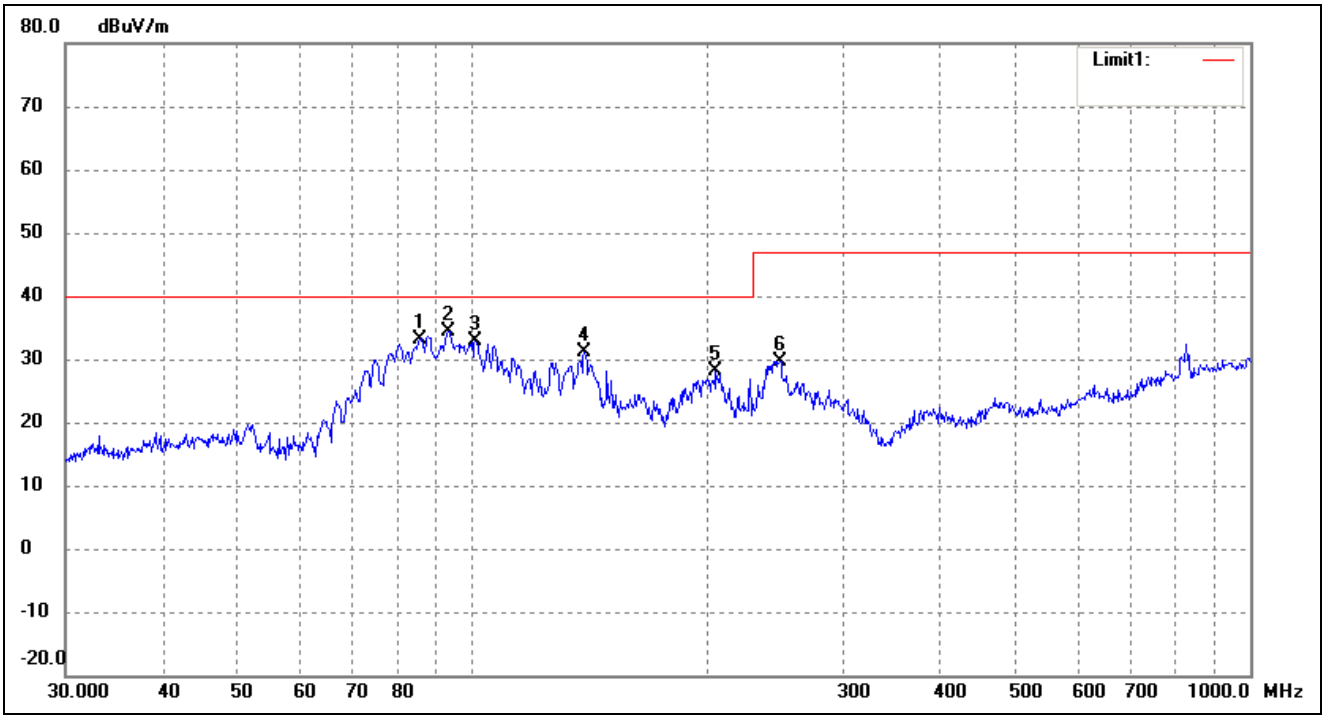
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	69.8450	45.10	-14.71	30.39	40.00	-9.61	88	100	peak
2	87.1117	46.73	-14.47	32.26	40.00	-7.74	245	100	peak
3	131.2965	42.39	-14.32	28.07	40.00	-11.93	152	100	peak
4	188.4125	39.15	-13.12	26.03	40.00	-13.97	123	100	peak
5	267.5455	38.37	-9.85	28.52	47.00	-18.48	321	100	peak
6	622.8900	27.68	-2.85	24.83	47.00	-22.17	102	100	peak

Test Specification: *Vertical*

No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	45.3755	40.18	-10.44	29.74	40.00	-10.26	88	100	peak
2	63.3132	51.65	-14.53	37.12	40.00	-2.88	124	100	QP
3	67.2022	52.43	-15.54	36.89	40.00	-3.11	195	100	QP
4	86.5029	48.00	-15.20	32.80	40.00	-7.20	356	100	peak
5	99.5281	37.52	-11.50	26.02	40.00	-13.98	212	100	peak
6	127.2176	40.69	-14.10	26.59	40.00	-13.41	36	100	peak

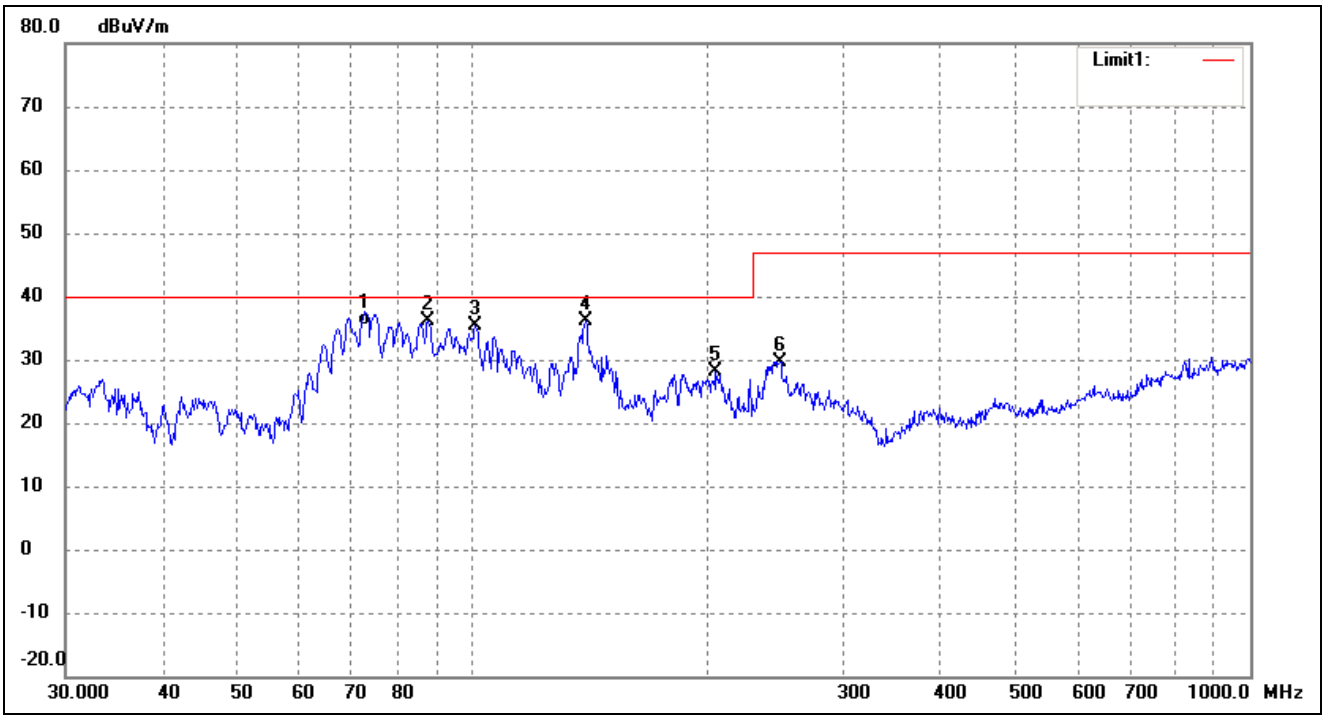
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	85.5977	48.07	-14.91	33.16	40.00	-6.84	31	100	peak
2	93.1132	47.41	-12.93	34.48	40.00	-5.52	215	100	peak
3	100.9339	44.37	-11.51	32.86	40.00	-7.14	166	100	peak
4	139.3613	45.80	-14.77	31.03	40.00	-8.97	295	100	peak
5	205.6751	39.86	-11.85	28.01	40.00	-11.99	241	100	peak
6	248.5519	40.14	-10.57	29.57	47.00	-17.43	151	100	peak

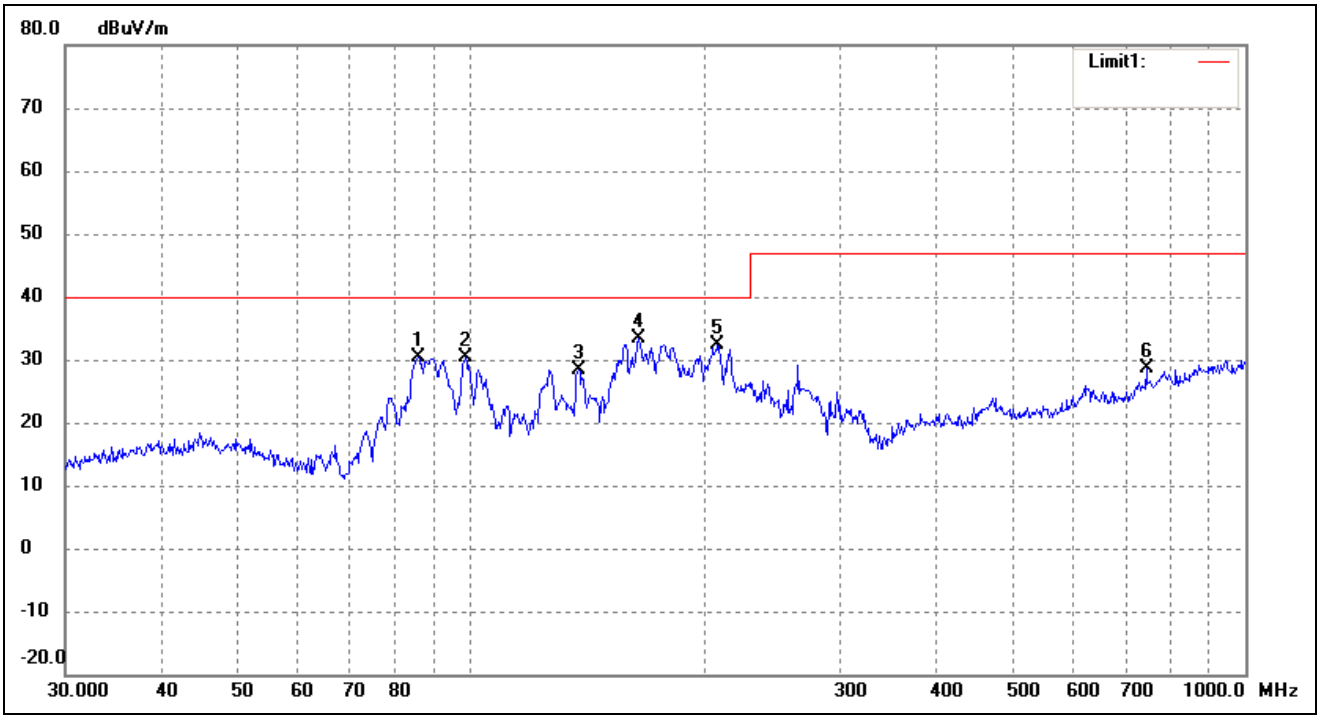
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	72.8466	52.19	-16.79	35.40	40.00	-4.60	55	100	QP
2	87.7248	50.65	-14.64	36.01	40.00	-3.99	245	100	peak
3	100.9339	46.82	-11.51	35.31	40.00	-4.69	185	100	peak
4	139.8508	51.01	-14.79	36.22	40.00	-3.78	258	100	peak
5	205.6751	39.86	-11.85	28.01	40.00	-11.99	123	100	peak
6	248.5519	40.14	-10.57	29.57	47.00	-17.43	333	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



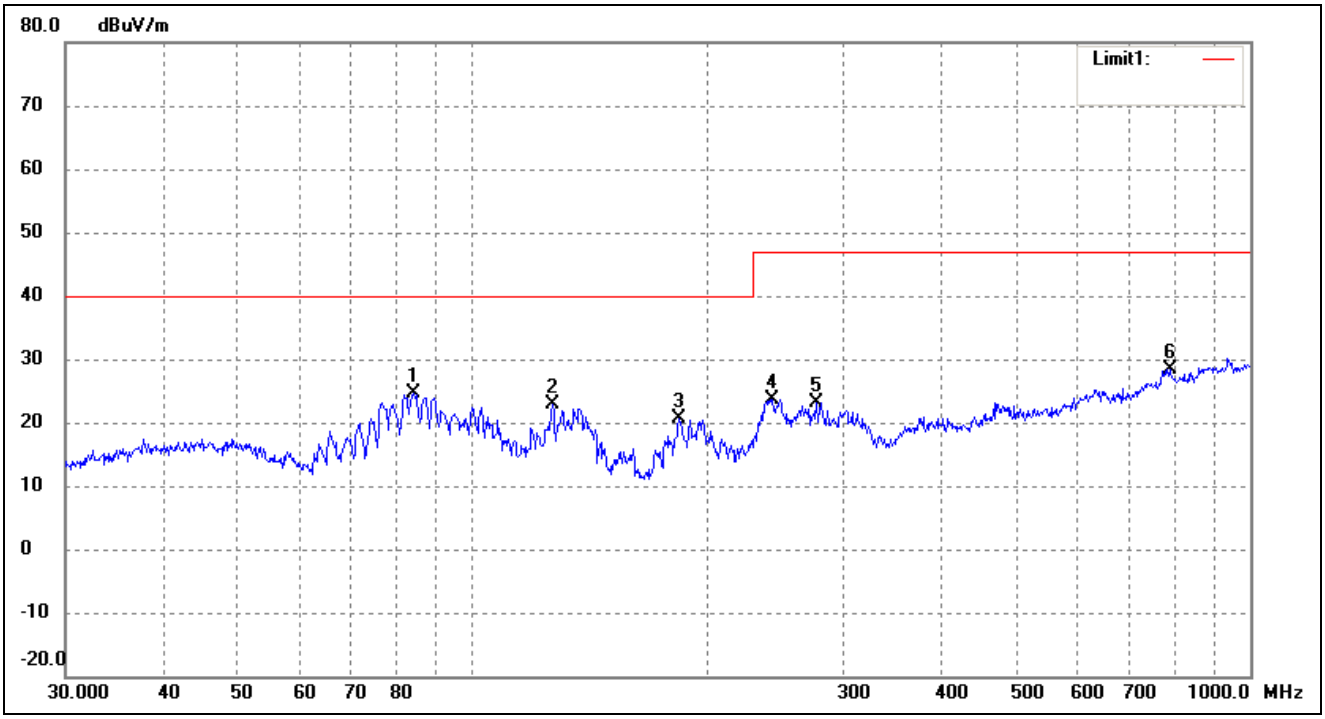
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	85.5977	45.20	-14.91	30.29	40.00	-9.71	159	100	peak
2	98.4866	42.11	-11.73	30.38	40.00	-9.62	56	100	peak
3	137.9028	43.01	-14.68	28.33	40.00	-11.67	356	100	peak
4	164.9075	48.18	-14.84	33.34	40.00	-6.66	291	100	peak
5	208.5803	44.46	-11.98	32.48	40.00	-7.52	142	100	peak
6	744.8661	29.82	-1.09	28.73	47.00	-18.27	251	100	peak

Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	85.8984	51.31	-15.48	35.83	40.00	-4.17	166	100	QP
2	91.4949	49.99	-13.29	36.70	40.00	-3.30	219	100	QP
3	98.4866	48.13	-11.73	36.40	40.00	-3.60	356	100	QP
4	125.4457	49.36	-14.00	35.36	40.00	-4.64	241	100	QP
5	137.4202	47.81	-14.66	33.15	40.00	-6.85	152	100	QP
6	177.5092	47.34	-14.31	33.03	40.00	-6.97	111	100	QP

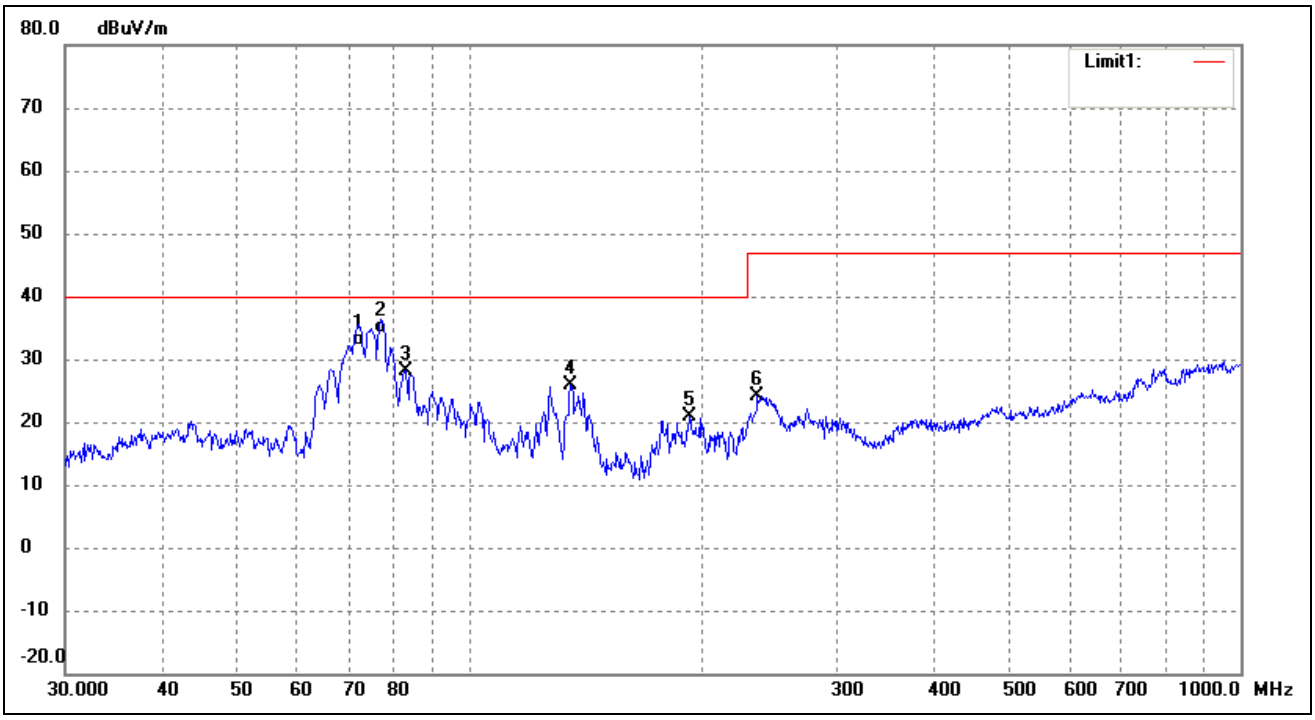
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	84.1100	39.89	-15.34	24.55	40.00	-15.45	326	100	peak
2	126.7723	36.87	-14.07	22.80	40.00	-17.20	33	100	peak
3	184.4898	34.30	-13.63	20.67	40.00	-19.33	295	100	peak
4	243.3772	34.40	-10.80	23.60	47.00	-23.40	145	100	peak
5	277.0935	32.73	-9.59	23.14	47.00	-23.86	215	100	peak
6	787.8513	28.18	0.32	28.50	47.00	-18.50	108	100	peak

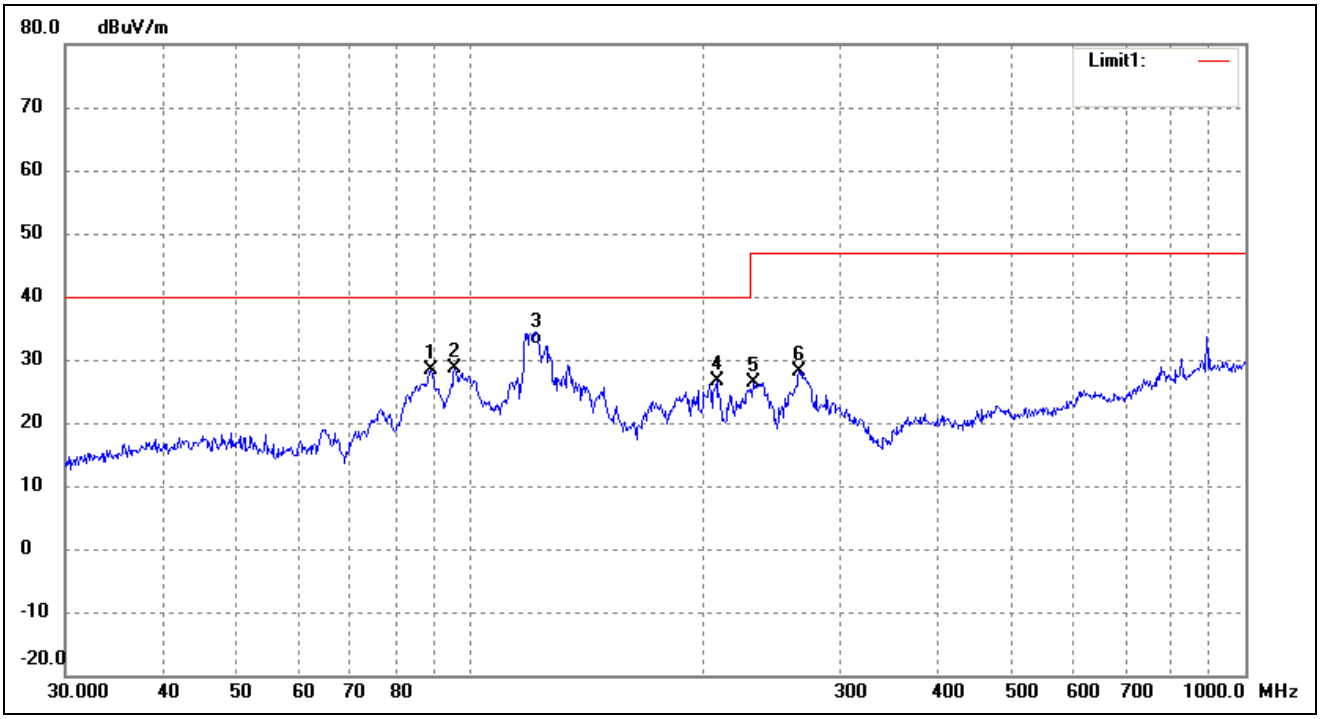
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	72.0843	48.89	-16.66	32.23	40.00	-7.77	323	100	QP
2	77.0505	51.71	-17.59	34.12	40.00	-5.88	269	100	QP
3	82.9385	44.92	-16.81	28.11	40.00	-11.89	15	100	peak
4	135.5062	40.34	-14.55	25.79	40.00	-14.21	241	100	peak
5	193.0945	33.33	-12.50	20.83	40.00	-19.17	151	100	peak
6	236.6447	35.38	-11.21	24.17	47.00	-22.83	108	100	peak

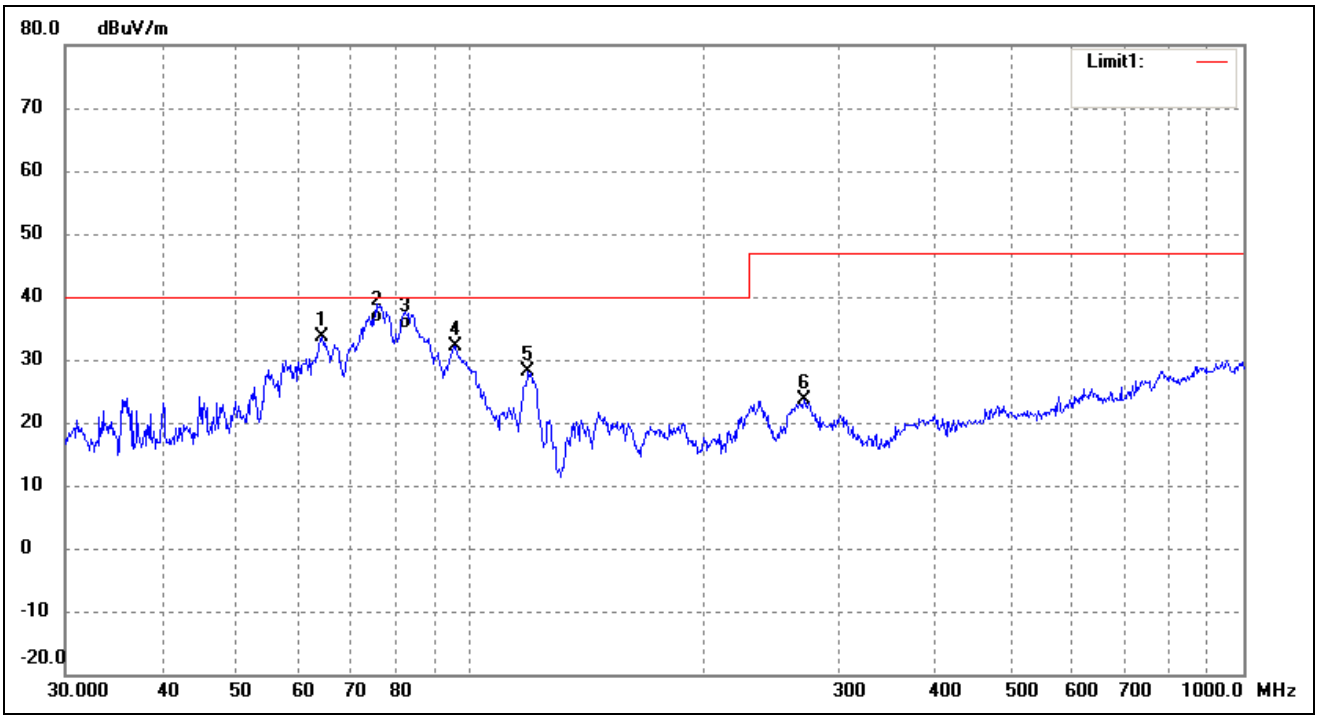
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	88.9639	42.32	-13.92	28.40	40.00	-11.60	45	100	peak
2	95.4270	40.97	-12.42	28.55	40.00	-11.45	195	100	peak
3	121.5486	46.11	-13.78	32.33	40.00	-7.67	211	100	QP
4	207.8501	38.68	-11.94	26.74	40.00	-13.26	156	100	peak
5	231.7179	37.95	-11.59	26.36	47.00	-20.64	352	100	peak
6	265.6757	38.13	-9.91	28.22	47.00	-18.78	216	100	peak

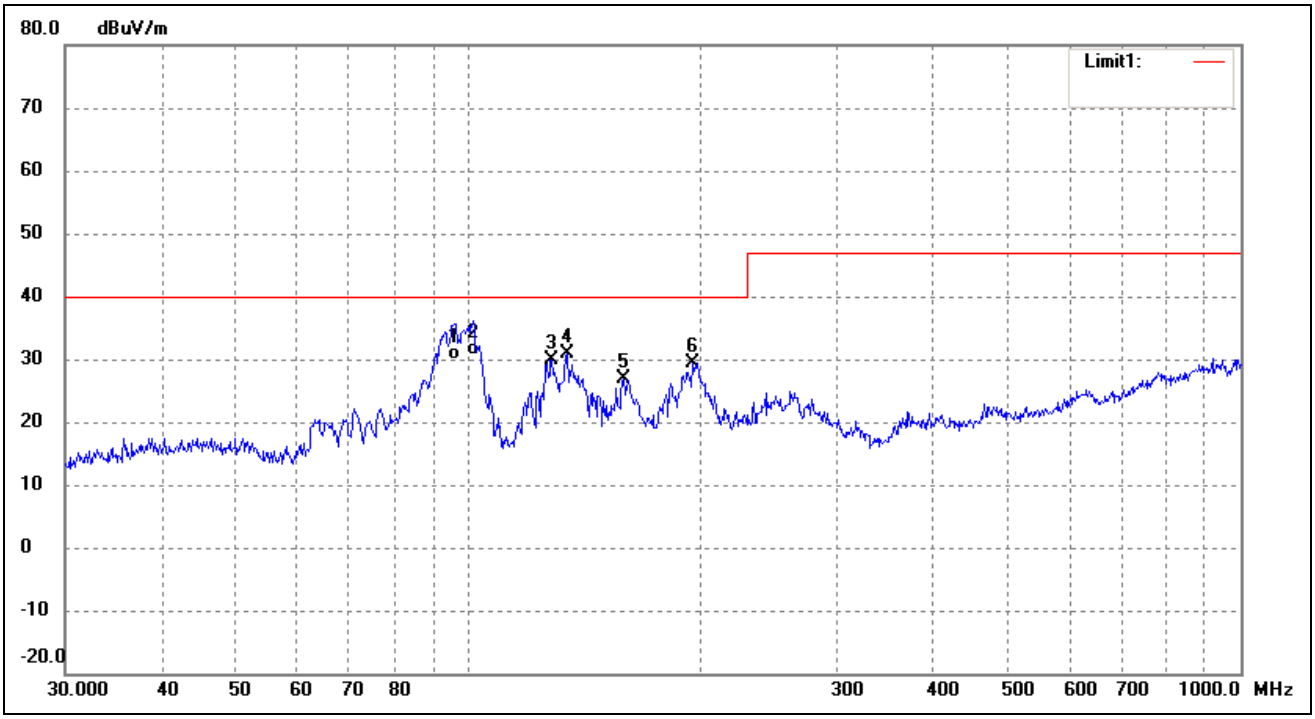
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	64.4331	48.55	-14.82	33.73	40.00	-6.27	322	100	peak
2	75.9773	53.28	-17.39	35.89	40.00	-4.11	12	100	QP
3	82.3589	51.97	-17.08	34.89	40.00	-5.11	195	100	QP
4	95.7622	44.53	-12.34	32.19	40.00	-7.81	245	100	peak
5	119.0180	41.64	-13.59	28.05	40.00	-11.95	106	100	peak
6	270.3748	33.52	-9.78	23.74	47.00	-23.26	258	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



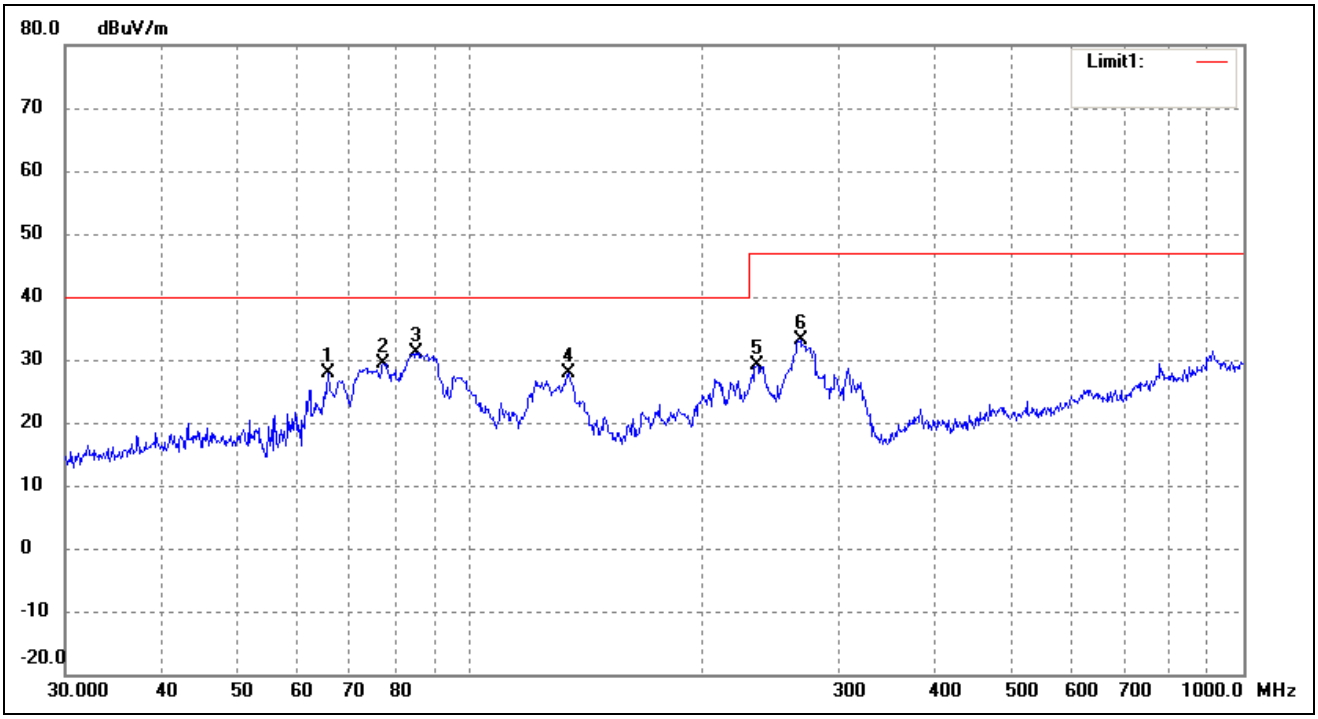
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	95.7622	42.34	-12.34	30.00	40.00	-10.00	88	100	QP
2	101.2885	42.25	-11.55	30.70	40.00	-9.30	154	100	QP
3	128.1130	44.00	-14.15	29.85	40.00	-10.15	21	100	peak
4	134.0882	45.28	-14.48	30.80	40.00	-9.20	163	100	peak
5	158.6677	41.92	-15.03	26.89	40.00	-13.11	332	100	peak
6	195.1365	41.54	-12.24	29.30	40.00	-10.70	210	100	peak

Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	65.1145	47.28	-15.00	32.28	40.00	-7.72	95	100	peak
2	70.5836	49.69	-16.37	33.32	40.00	-6.68	285	100	peak
3	100.5806	43.06	-11.46	31.60	40.00	-8.40	145	100	QP
4	127.6645	41.12	-14.12	27.00	40.00	-13.00	216	100	QP
5	136.9391	45.93	-14.63	31.30	40.00	-8.70	355	100	QP
6	157.0074	46.68	-15.02	31.66	40.00	-8.34	210	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



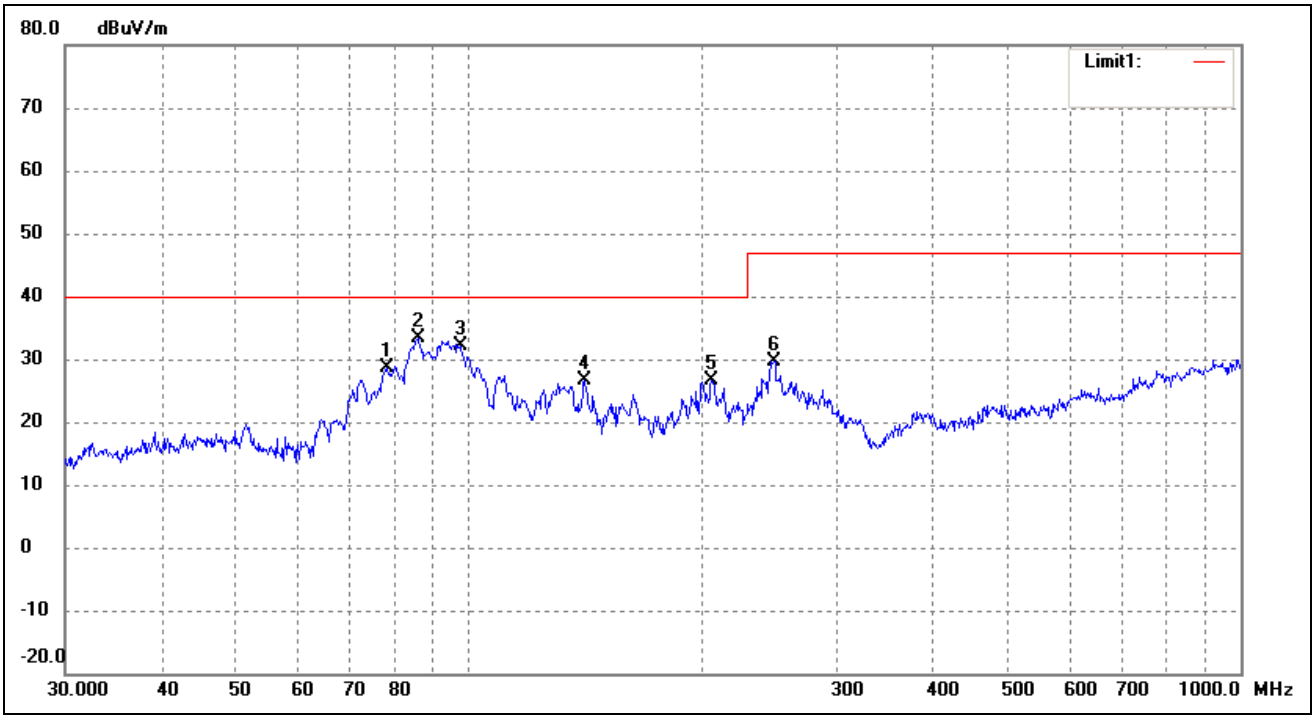
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	65.5727	41.21	-13.44	27.77	40.00	-12.23	15	100	peak
2	77.3212	45.35	-16.07	29.28	40.00	-10.72	214	100	peak
3	85.2981	46.23	-14.99	31.24	40.00	-8.76	185	100	peak
4	134.0882	42.43	-14.48	27.95	40.00	-12.05	263	100	peak
5	234.9909	40.39	-11.34	29.05	47.00	-17.95	352	100	peak
6	267.5455	43.02	-9.85	33.17	47.00	-13.83	222	100	peak

Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	47.8260	42.41	-10.42	31.99	40.00	-8.01	345	100	QP
2	58.2030	47.31	-13.09	34.22	40.00	-5.78	150	100	QP
3	64.6594	49.67	-14.88	34.79	40.00	-5.21	211	100	QP
4	69.3568	52.97	-16.09	36.88	40.00	-3.12	19	100	QP
5	77.8654	54.13	-17.73	36.40	40.00	-3.60	256	100	QP
6	86.2001	51.23	-15.34	35.89	40.00	-4.11	210	100	QP

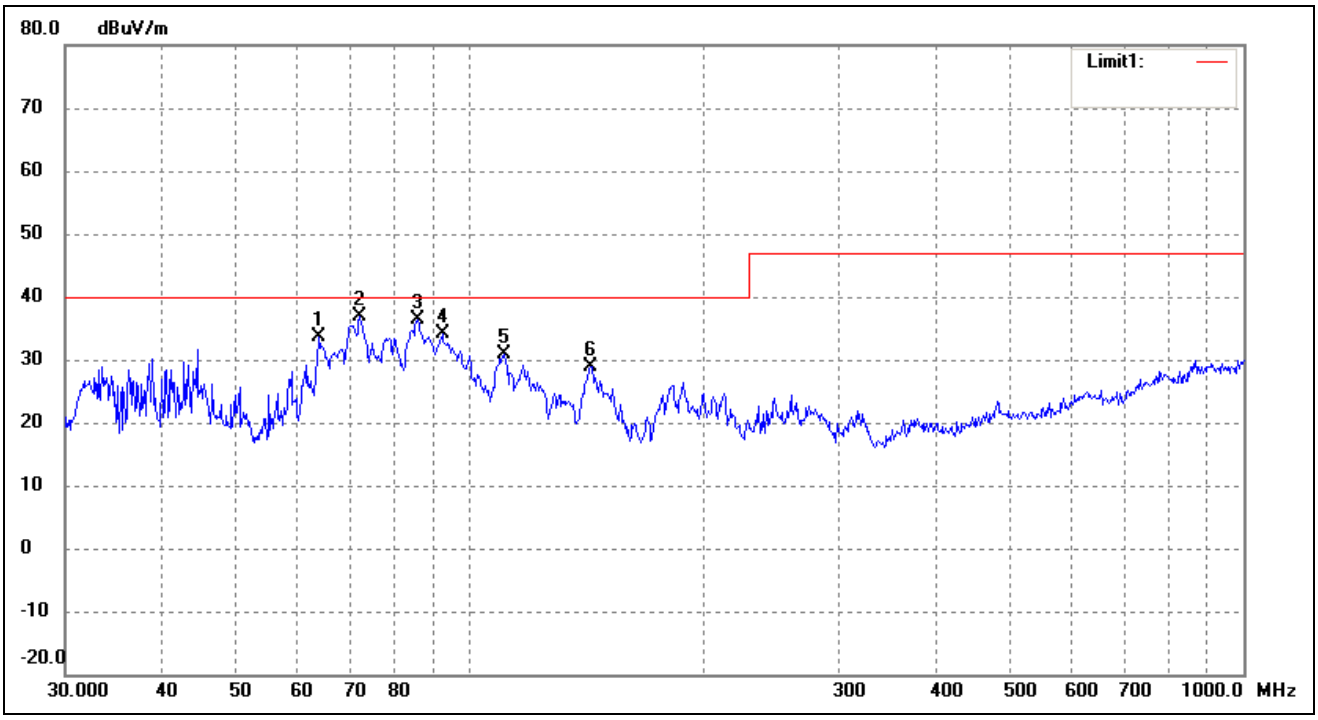
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	78.4133	44.99	-16.25	28.74	40.00	-11.26	336	100	peak
2	85.8984	48.23	-14.82	33.41	40.00	-6.59	26	100	peak
3	97.4560	44.08	-11.97	32.11	40.00	-7.89	295	100	peak
4	141.3298	41.46	-14.82	26.64	40.00	-13.36	253	100	peak
5	206.3976	38.53	-11.88	26.65	40.00	-13.35	213	100	peak
6	248.5519	40.14	-10.57	29.57	47.00	-17.43	333	100	peak

Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	63.7588	48.29	-14.65	33.64	40.00	-6.36	25	100	peak
2	72.0843	53.64	-16.66	36.98	40.00	-3.02	185	100	peak
3	85.5977	51.90	-15.61	36.29	40.00	-3.71	345	100	peak
4	92.1388	47.23	-13.15	34.08	40.00	-5.92	105	100	peak
5	110.5687	43.56	-12.61	30.95	40.00	-9.05	214	100	peak
6	143.3261	43.80	-14.85	28.95	40.00	-11.05	155	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*

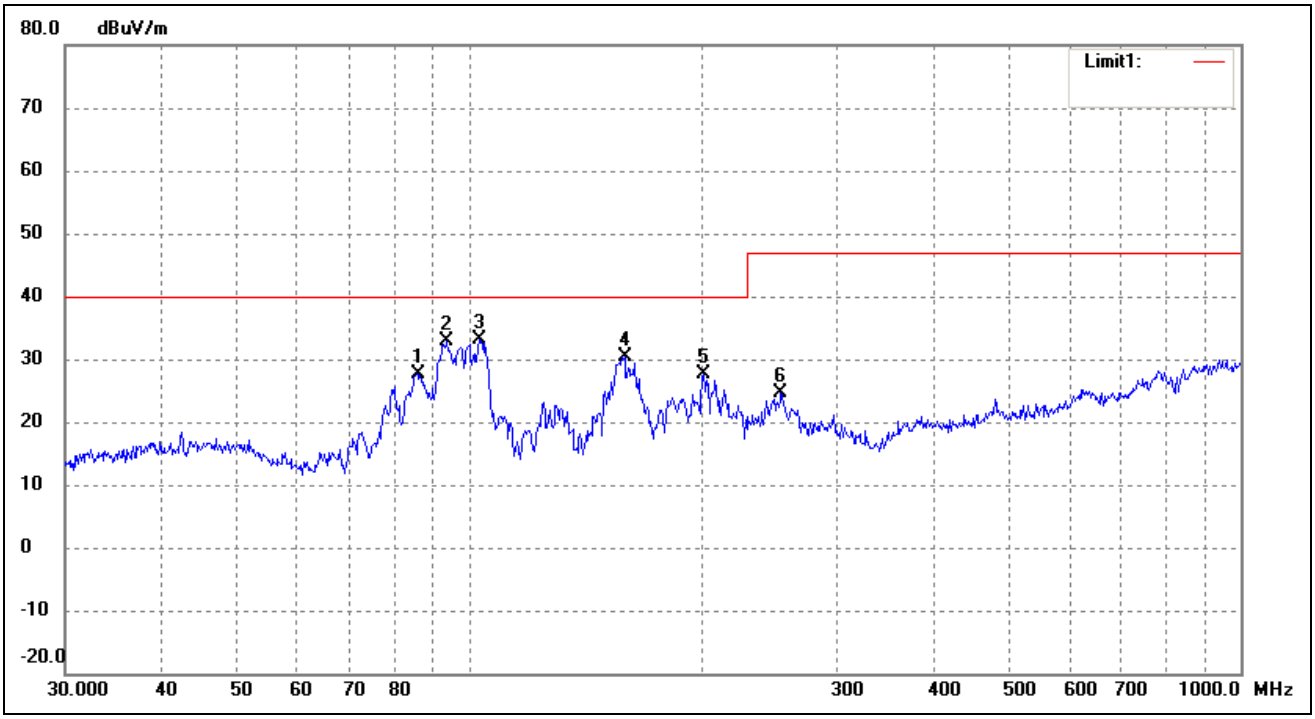
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	87.4177	44.37	-14.38	29.99	40.00	-10.01	61	100	peak
2	100.5806	43.77	-11.46	32.31	40.00	-7.69	195	100	peak
3	105.6415	41.01	-12.05	28.96	40.00	-11.04	245	100	peak
4	151.5972	42.19	-14.96	27.23	40.00	-12.77	163	100	peak
5	163.7550	46.10	-14.89	31.21	40.00	-8.79	333	100	peak
6	204.2377	41.92	-11.78	30.14	40.00	-9.86	256	100	peak

Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	87.1117	50.91	-14.93	35.98	40.00	-4.02	156	100	peak
2	99.8777	46.38	-11.43	34.95	40.00	-5.05	56	100	QP
3	106.7587	47.92	-12.17	35.75	40.00	-4.25	195	100	QP
4	120.6991	49.29	-13.74	35.55	40.00	-4.45	341	100	peak
5	131.7577	50.20	-14.34	35.86	40.00	-4.14	215	100	QP
6	154.8204	48.56	-14.99	33.57	40.00	-6.43	122	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US12*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



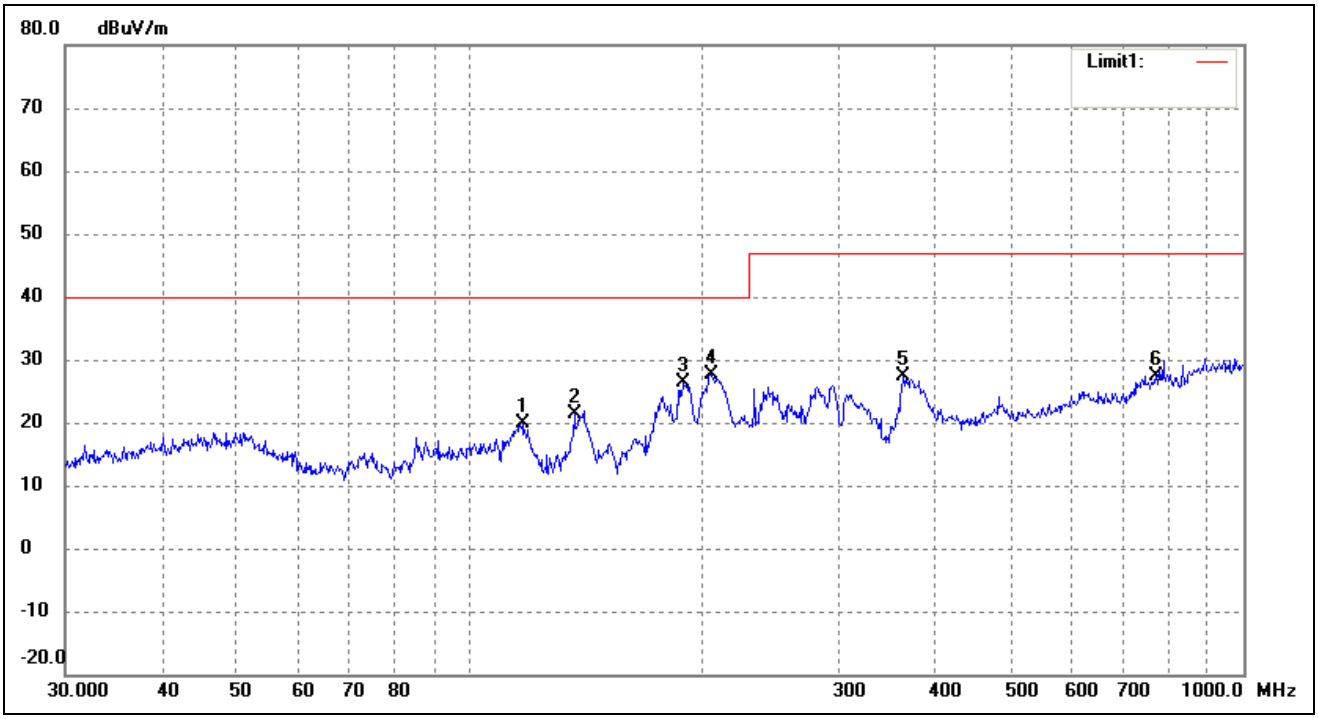
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	85.8984	42.54	-14.82	27.72	40.00	-12.28	162	100	peak
2	93.7685	45.65	-12.78	32.87	40.00	-7.13	215	100	peak
3	103.0800	44.79	-11.75	33.04	40.00	-6.96	15	100	peak
4	159.2251	45.35	-15.03	30.32	40.00	-9.68	196	100	peak
5	201.3930	39.22	-11.66	27.56	40.00	-12.44	352	100	peak
6	253.8367	34.89	-10.34	24.55	47.00	-22.45	121	100	peak

Test Specification: *Vertical*

No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	80.0806	52.45	-18.10	34.35	40.00	-5.65	41	100	peak
2	94.0979	47.61	-12.71	34.90	40.00	-5.10	196	100	QP
3	104.9033	48.16	-11.96	36.20	40.00	-3.80	356	100	QP
4	132.6850	47.71	-14.39	33.32	40.00	-6.68	241	100	peak
5	155.9101	47.65	-15.00	32.65	40.00	-7.35	155	100	peak
6	189.0743	40.11	-13.04	27.07	40.00	-12.93	214	100	peak

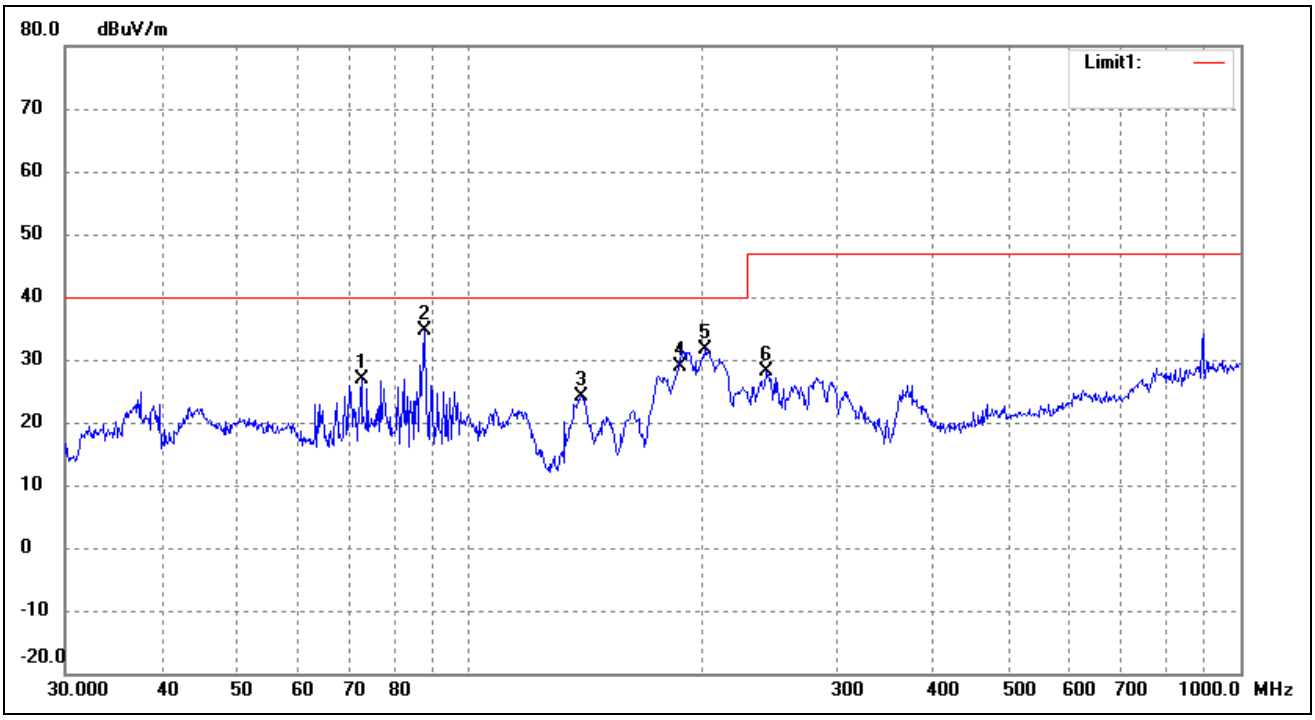
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	116.9495	33.25	-13.35	19.90	40.00	-20.10	231	100	peak
2	136.4598	35.91	-14.61	21.30	40.00	-18.70	25	100	peak
3	189.0743	39.53	-13.04	26.49	40.00	-13.51	185	100	peak
4	204.9551	39.47	-11.82	27.65	40.00	-12.35	241	100	peak
5	362.9844	35.13	-7.76	27.37	47.00	-19.63	163	100	peak
6	771.4486	27.68	-0.20	27.48	47.00	-19.52	325	100	peak

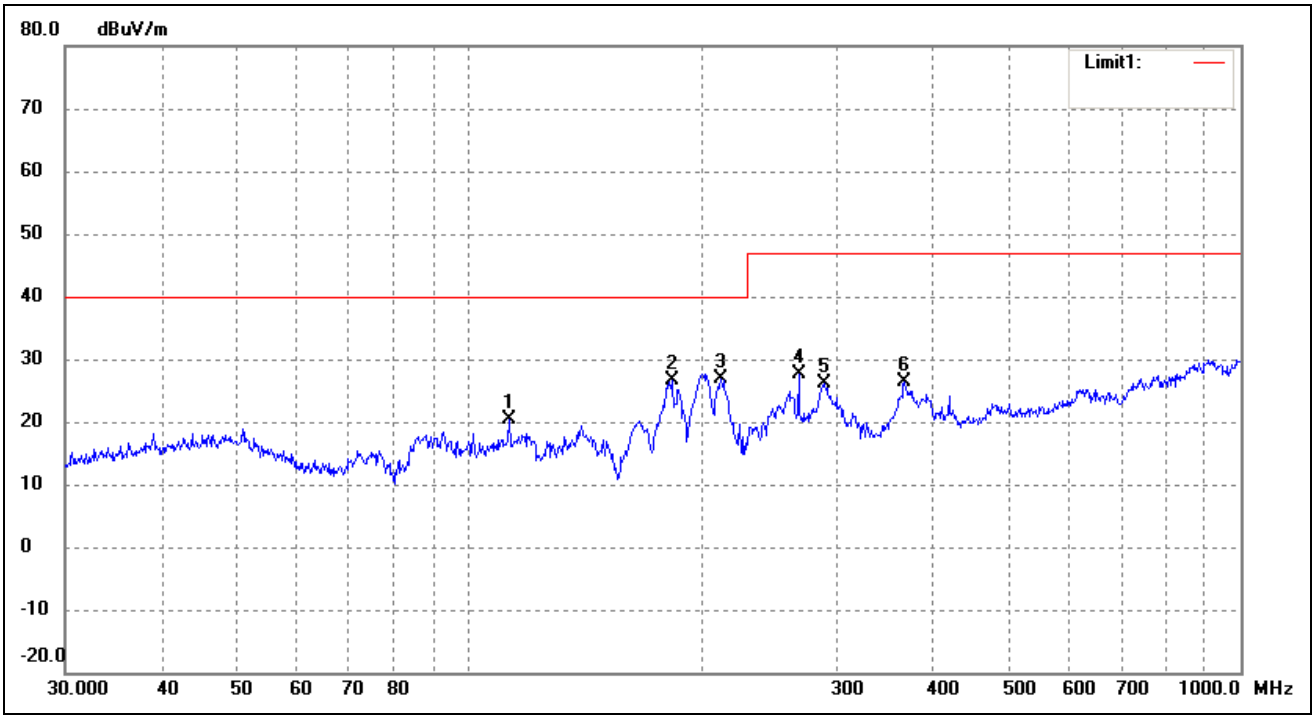
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	72.5916	43.60	-16.74	26.86	40.00	-13.14	339	100	peak
2	87.7248	49.24	-14.64	34.60	40.00	-5.40	56	100	peak
3	139.8508	38.99	-14.79	24.20	40.00	-15.80	291	100	peak
4	187.0958	42.06	-13.29	28.77	40.00	-11.23	145	100	peak
5	202.1005	43.31	-11.70	31.61	40.00	-8.39	215	100	peak
6	243.3772	38.87	-10.80	28.07	47.00	-18.93	66	100	peak

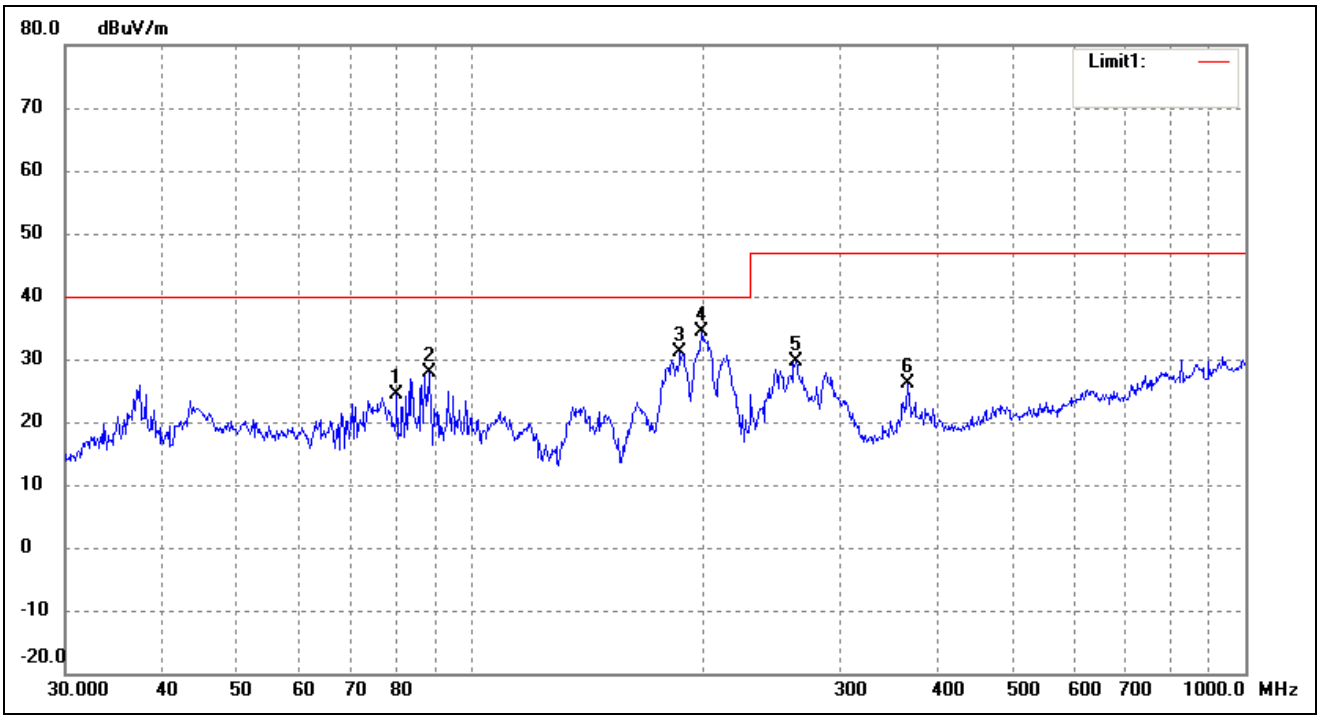
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	112.9196	33.22	-12.88	20.34	40.00	-19.66	164	100	peak
2	183.2005	40.36	-13.80	26.56	40.00	-13.44	45	100	peak
3	212.2695	38.96	-12.14	26.82	40.00	-13.18	195	100	peak
4	267.5455	37.41	-9.85	27.56	47.00	-19.44	258	100	peak
5	289.0021	35.72	-9.62	26.10	47.00	-20.90	205	100	peak
6	366.8231	33.88	-7.59	26.29	47.00	-20.71	135	100	peak

Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	80.3619	42.35	-17.98	24.37	40.00	-15.63	99	100	peak
2	88.3421	42.28	-14.37	27.91	40.00	-12.09	251	100	peak
3	186.4409	44.47	-13.38	31.09	40.00	-8.91	105	100	peak
4	198.5880	46.07	-11.78	34.29	40.00	-5.71	146	100	peak
5	262.8955	39.73	-9.99	29.74	47.00	-17.26	31	100	peak
6	366.8231	33.67	-7.59	26.08	47.00	-20.92	166	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*

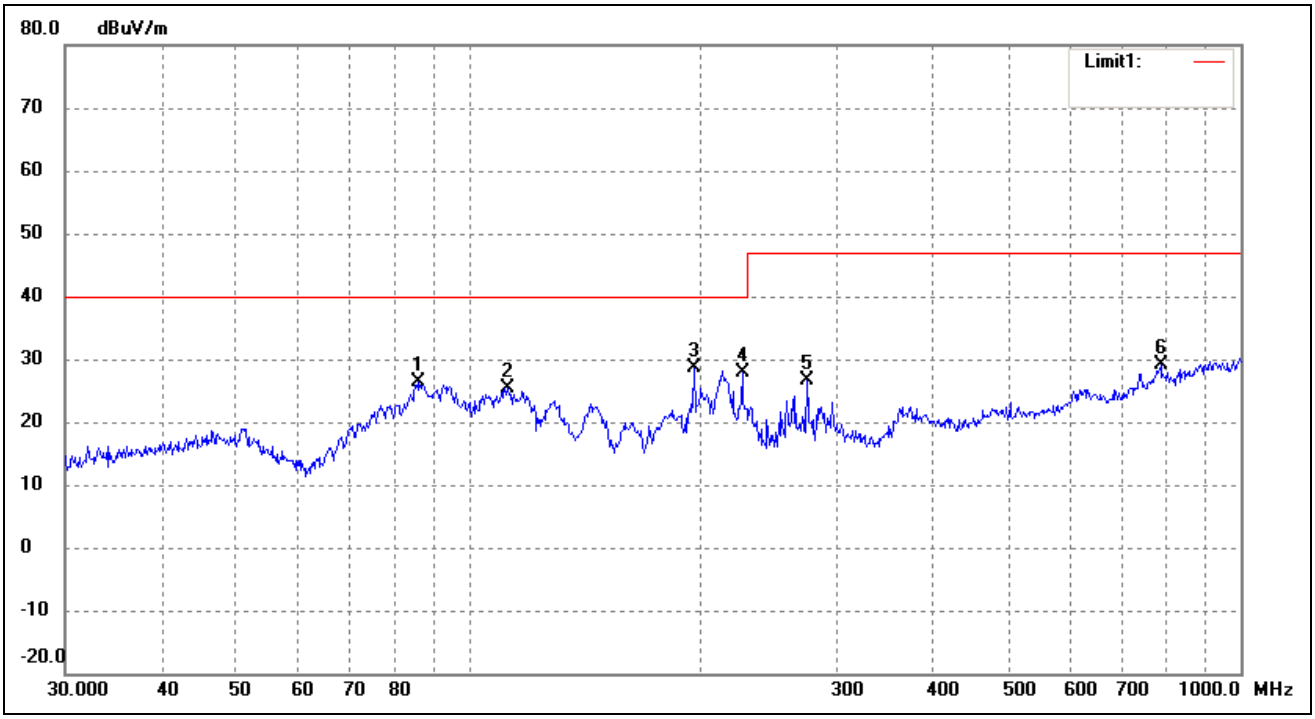
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	82.3588	42.30	-15.86	26.44	40.00	-13.56	91	100	peak
2	94.7601	42.46	-12.56	29.90	40.00	-10.10	245	100	peak
3	107.8877	40.05	-12.31	27.74	40.00	-12.26	165	100	peak
4	216.7828	41.17	-12.34	28.83	40.00	-11.17	356	100	peak
5	273.2341	37.80	-9.70	28.10	47.00	-18.90	215	100	peak
6	636.1340	28.89	-3.12	25.77	47.00	-21.23	111	100	peak

Test Specification: *Vertical*

No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	36.0007	40.50	-11.32	29.18	40.00	-10.82	56	100	peak
2	69.8450	43.96	-16.22	27.74	40.00	-12.26	231	100	peak
3	85.2980	45.55	-15.75	29.80	40.00	-10.20	151	100	peak
4	106.3850	44.27	-12.14	32.13	40.00	-7.87	265	100	peak
5	117.3603	43.73	-13.40	30.33	40.00	-9.67	259	100	peak
6	274.1939	37.27	-9.68	27.59	47.00	-19.41	213	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



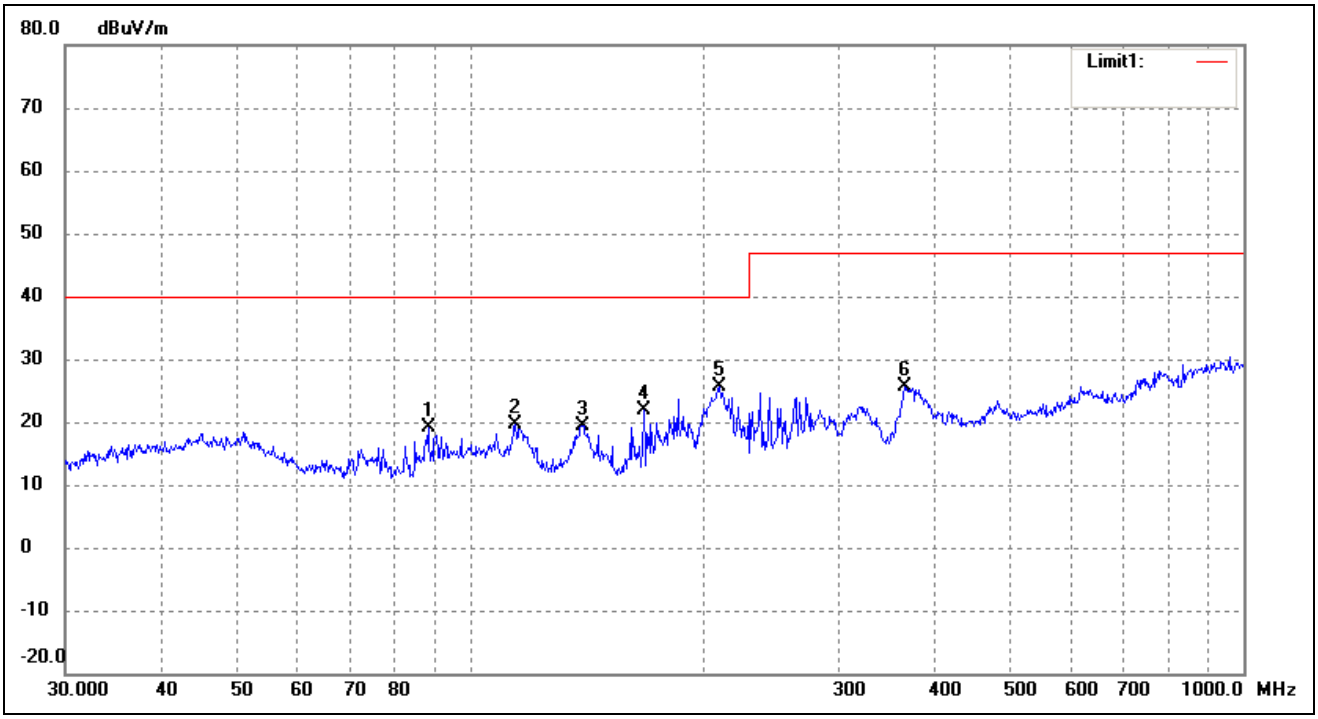
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	85.8984	41.13	-14.82	26.31	40.00	-13.69	35	100	peak
2	112.5244	38.31	-12.84	25.47	40.00	-14.53	295	100	peak
3	195.8220	40.90	-12.15	28.75	40.00	-11.25	246	100	peak
4	226.0994	39.86	-12.02	27.84	40.00	-12.16	155	100	peak
5	274.1939	36.36	-9.68	26.68	47.00	-20.32	216	100	peak
6	787.8513	28.76	0.32	29.08	47.00	-17.92	152	100	peak

Test Specification: *Vertical*

No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	36.0007	40.50	-11.32	29.18	40.00	-10.82	61	100	peak
2	69.8450	43.96	-16.22	27.74	40.00	-12.26	185	100	peak
3	85.2980	45.55	-15.75	29.80	40.00	-10.20	245	100	peak
4	106.3850	44.27	-12.14	32.13	40.00	-7.87	163	100	peak
5	115.7256	44.86	-13.21	31.65	40.00	-8.35	335	100	peak
6	146.3735	41.08	-14.90	26.18	40.00	-13.82	26	100	peak

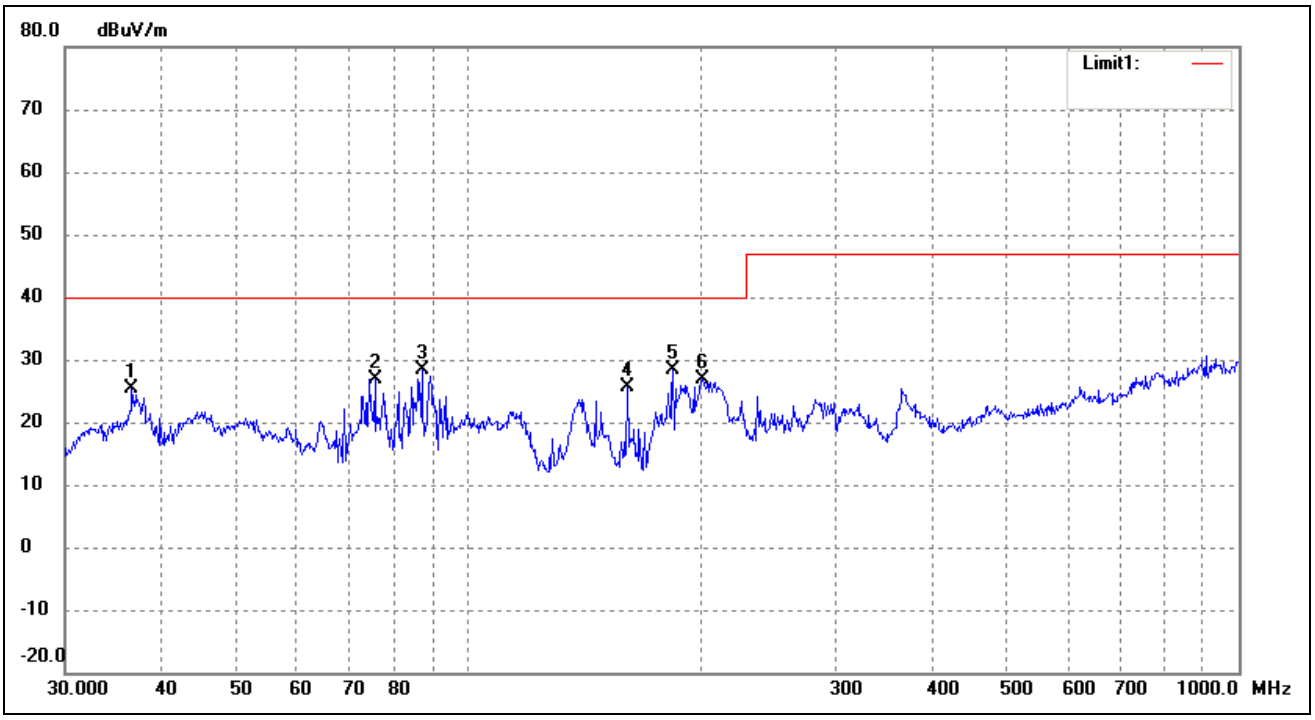
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	88.3421	33.32	-14.10	19.22	40.00	-20.78	351	100	peak
2	114.5146	32.76	-13.06	19.70	40.00	-20.30	156	100	peak
3	139.8508	34.19	-14.79	19.40	40.00	-20.60	29	100	peak
4	167.8243	36.67	-14.71	21.96	40.00	-18.04	218	100	peak
5	210.0482	37.66	-12.04	25.62	40.00	-14.38	288	100	peak
6	365.5391	33.38	-7.65	25.73	47.00	-21.27	216	100	peak

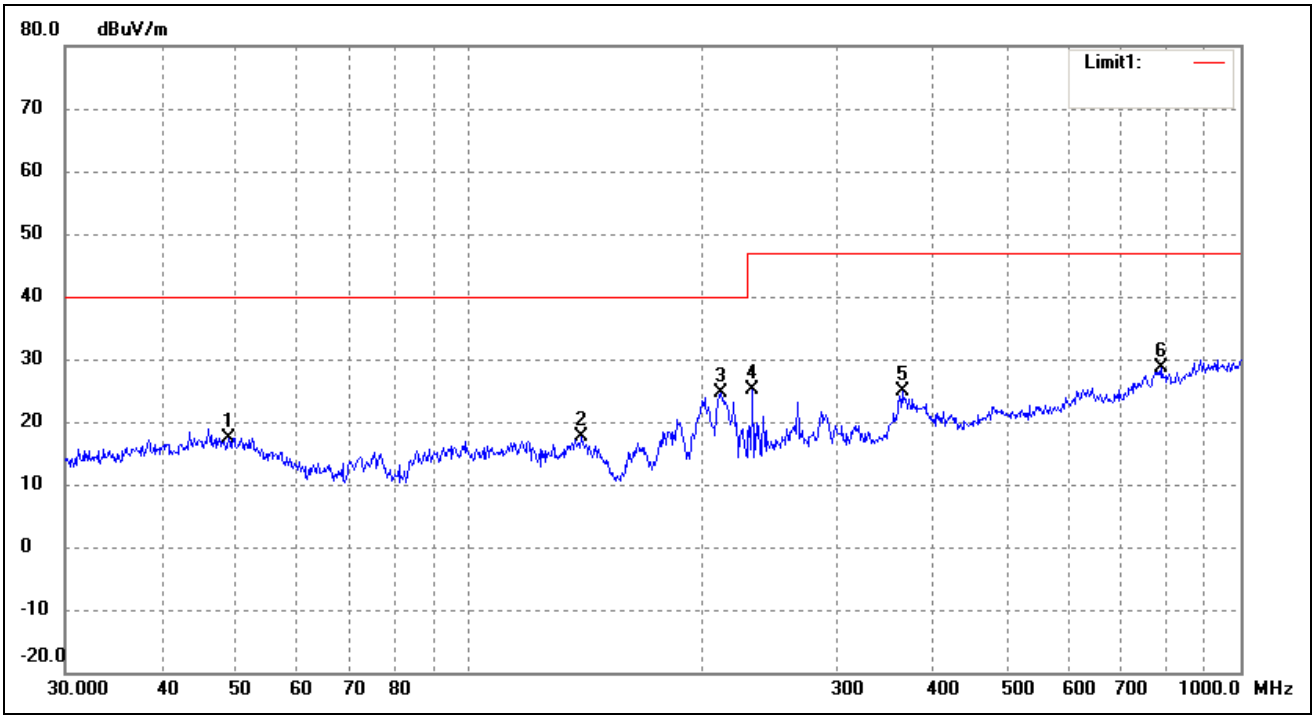
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.6375	36.52	-11.18	25.34	40.00	-14.66	316	100	peak
2	75.7114	44.31	-17.34	26.97	40.00	-13.03	259	100	peak
3	87.1117	43.35	-14.93	28.42	40.00	-11.58	111	100	peak
4	160.9089	40.56	-15.00	25.56	40.00	-14.44	25	100	peak
5	184.4898	42.00	-13.63	28.37	40.00	-11.63	185	100	peak
6	201.3930	38.51	-11.66	26.85	40.00	-13.15	345	100	peak

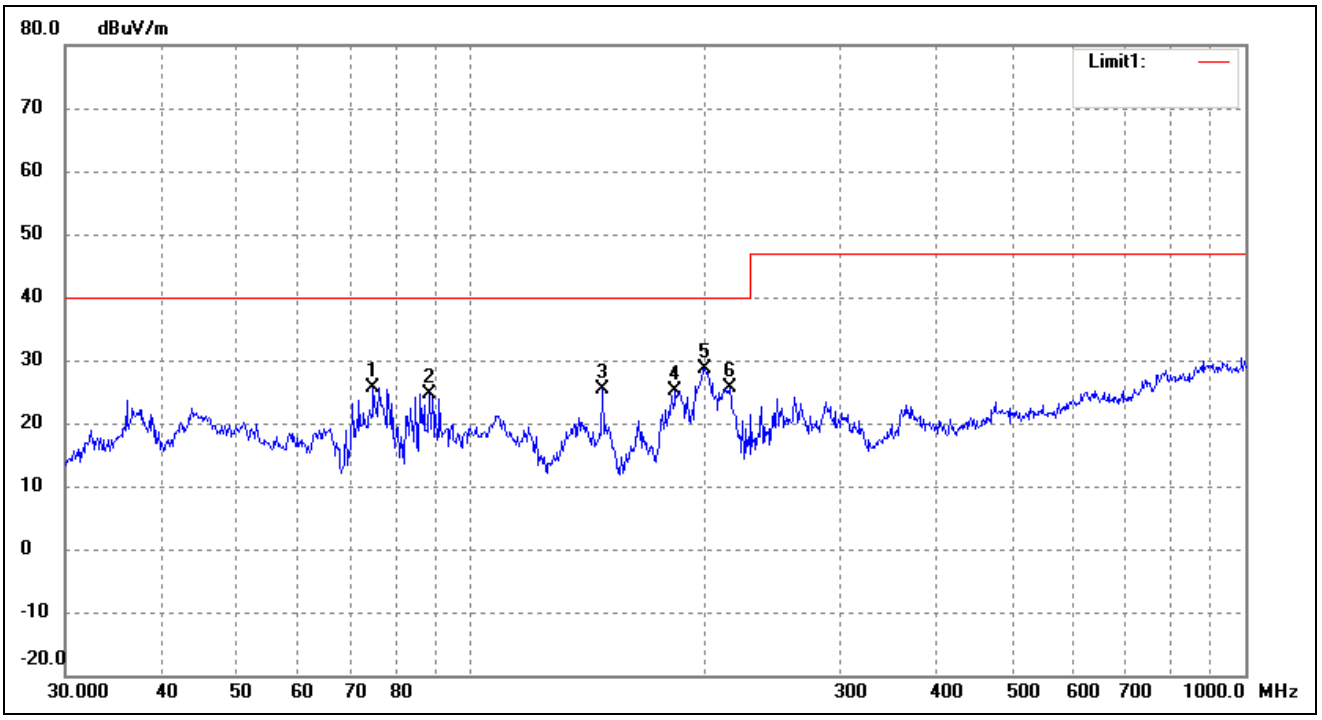
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	48.8429	28.15	-10.68	17.47	40.00	-22.53	88	100	peak
2	139.8508	32.51	-14.79	17.72	40.00	-22.28	145	100	peak
3	212.2695	36.83	-12.14	24.69	40.00	-15.31	195	100	peak
4	233.3487	36.60	-11.47	25.13	47.00	-21.87	256	100	peak
5	364.2595	32.63	-7.71	24.92	47.00	-22.08	312	100	peak
6	790.6188	28.39	0.21	28.60	47.00	-18.40	111	100	peak

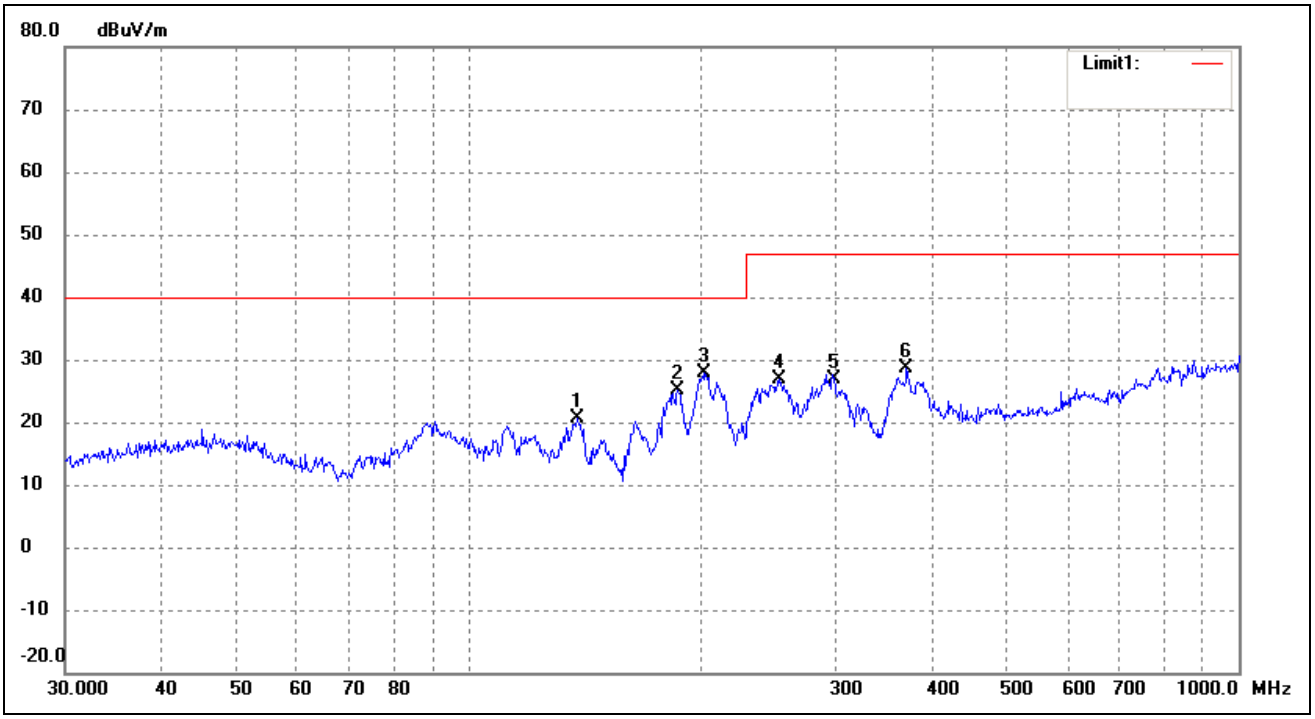
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	74.9191	42.89	-17.18	25.71	40.00	-14.29	355	100	peak
2	88.6524	38.93	-14.23	24.70	40.00	-15.30	124	100	peak
3	147.9214	40.18	-14.92	25.26	40.00	-14.74	156	100	peak
4	183.8440	38.90	-13.72	25.18	40.00	-14.82	25	100	peak
5	200.6881	40.25	-11.63	28.62	40.00	-11.38	198	100	peak
6	216.0240	37.94	-12.31	25.63	40.00	-14.37	241	100	peak

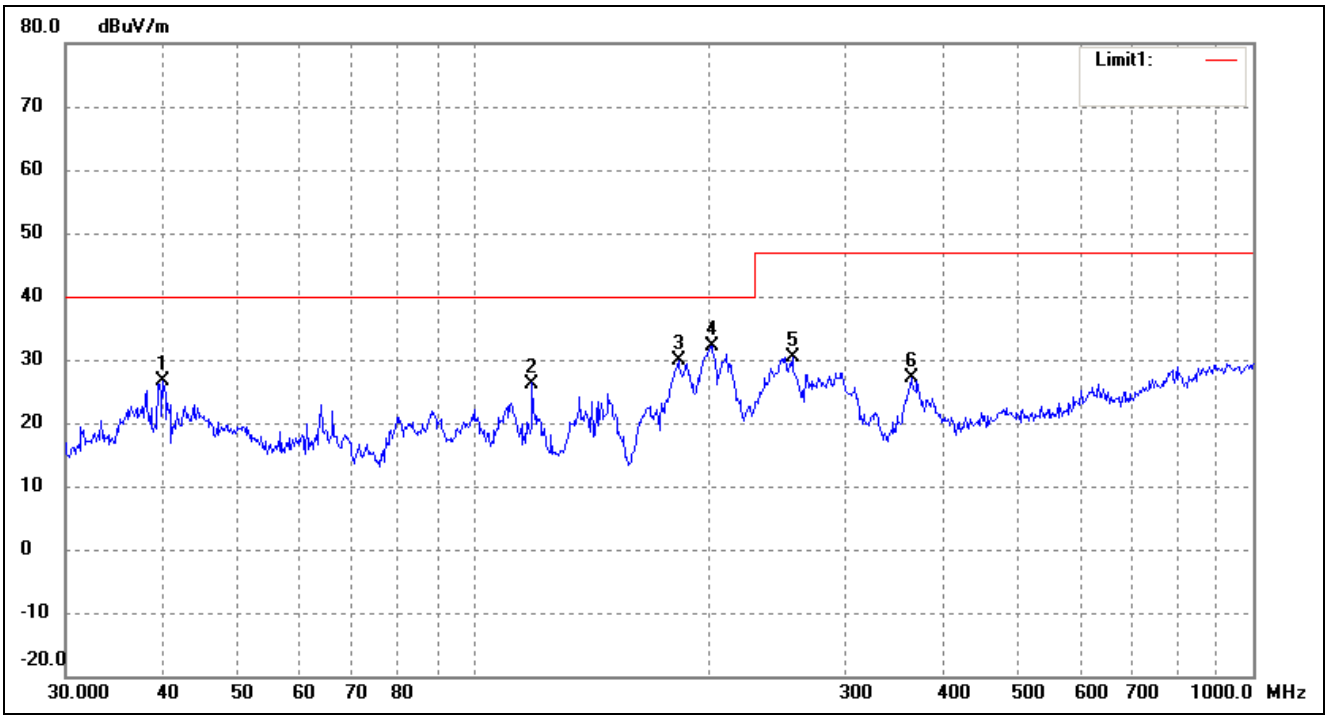
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	138.3873	35.25	-14.72	20.53	40.00	-19.47	45	100	peak
2	187.0958	38.47	-13.29	25.18	40.00	-14.82	185	100	peak
3	202.8104	39.54	-11.72	27.82	40.00	-12.18	124	100	peak
4	252.9482	37.36	-10.37	26.99	47.00	-20.01	261	100	peak
5	298.2681	36.48	-9.72	26.76	47.00	-20.24	323	100	peak
6	370.7023	36.01	-7.41	28.60	47.00	-18.40	222	100	peak

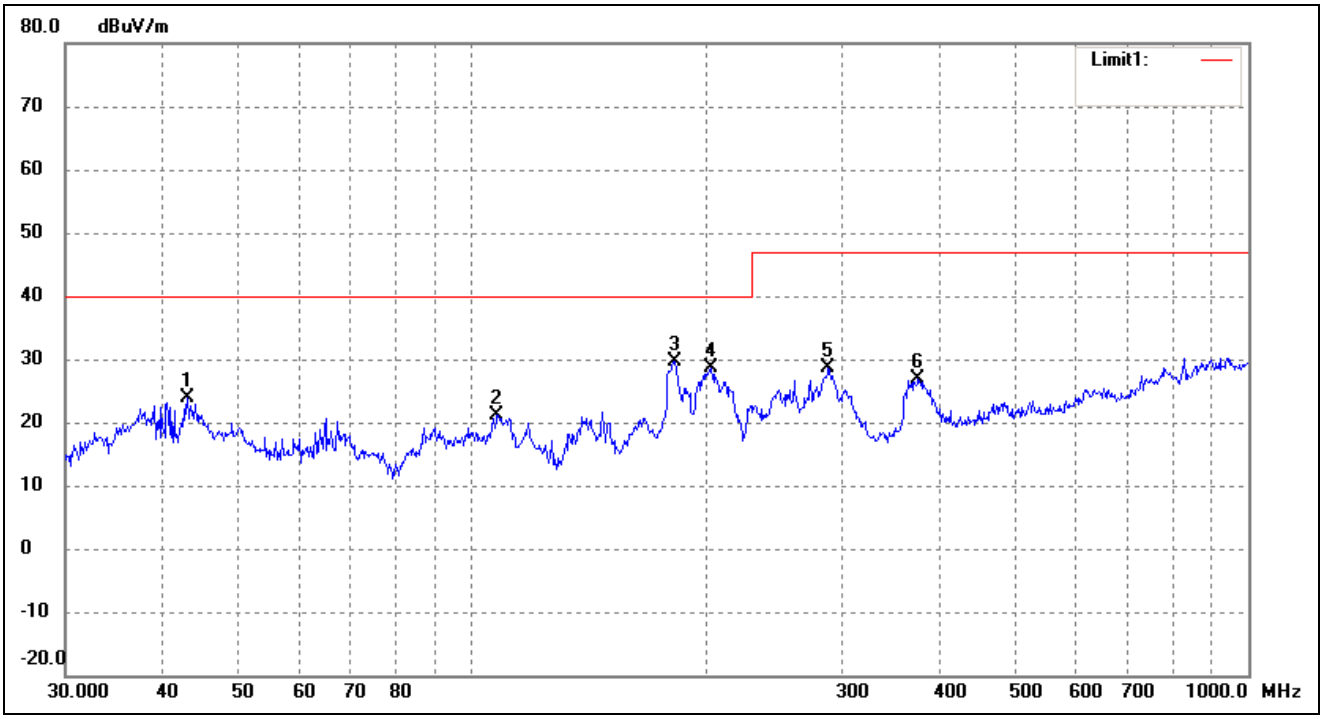
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.9942	37.14	-10.40	26.74	40.00	-13.26	91	100	peak
2	119.0180	39.84	-13.59	26.25	40.00	-13.75	152	100	peak
3	183.2005	43.58	-13.80	29.78	40.00	-10.22	241	100	peak
4	202.1005	43.85	-11.70	32.15	40.00	-7.85	323	100	peak
5	256.5211	40.69	-10.22	30.47	47.00	-16.53	121	100	peak
6	364.2595	34.95	-7.71	27.24	47.00	-19.76	250	100	peak

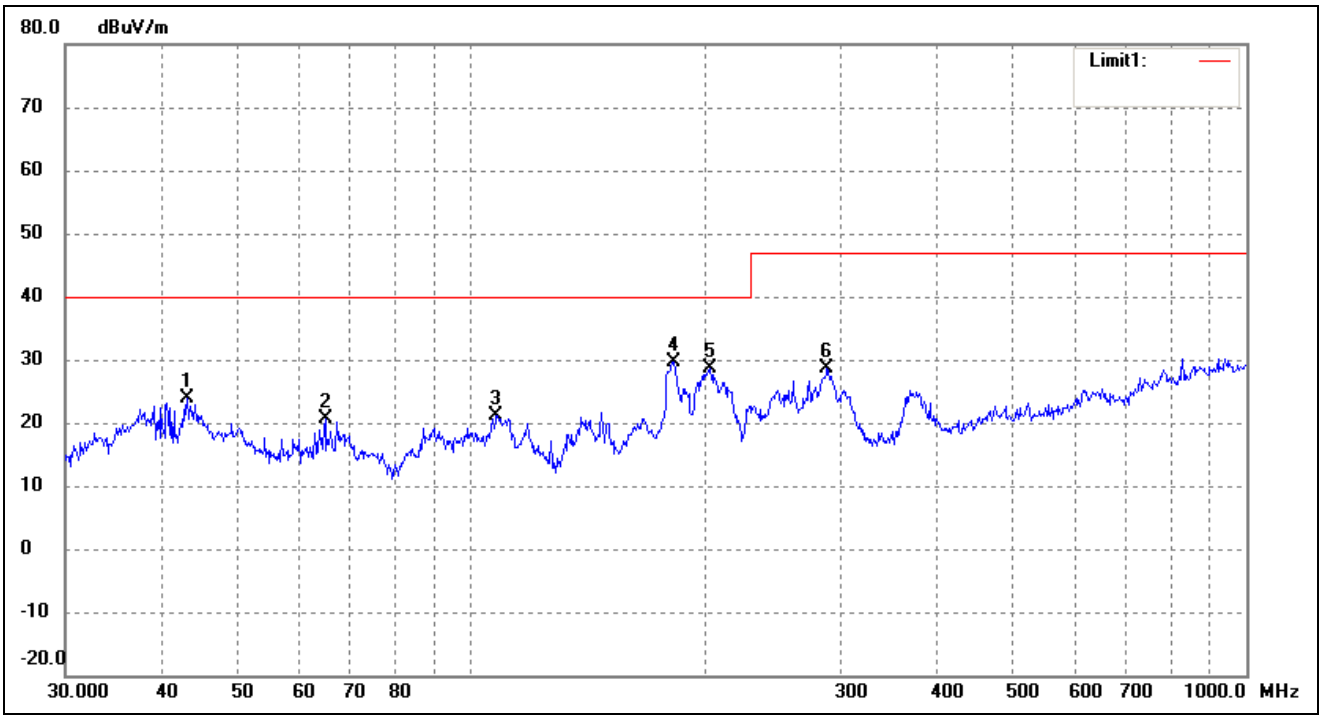
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	43.0505	34.44	-10.52	23.92	40.00	-16.08	135	100	peak
2	107.8877	33.46	-12.31	21.15	40.00	-18.85	269	100	peak
3	182.5592	43.44	-13.88	29.56	40.00	-10.44	25	100	peak
4	203.5228	40.35	-11.76	28.59	40.00	-11.41	140	100	peak
5	287.9904	38.27	-9.60	28.67	47.00	-18.33	214	100	peak
6	375.9385	34.12	-7.18	26.94	47.00	-20.06	171	100	peak

Test Specification: *Vertical*



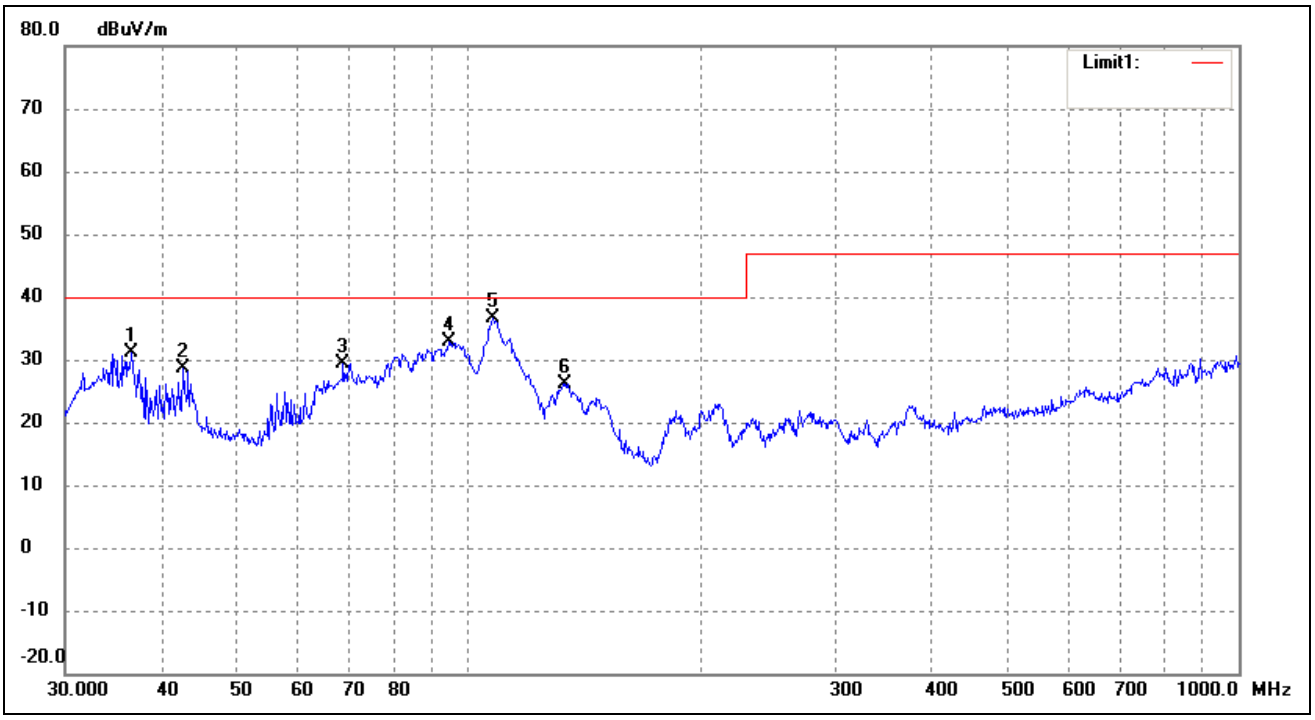
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	43.0505	34.35	-10.43	23.92	40.00	-16.08	45	100	peak
2	64.8865	35.59	-14.94	20.65	40.00	-19.35	196	100	peak
3	107.8877	33.46	-12.31	21.15	40.00	-18.85	255	100	peak
4	182.5592	43.44	-13.88	29.56	40.00	-10.44	135	100	peak
5	203.5228	40.35	-11.76	28.59	40.00	-11.41	216	100	peak
6	287.9904	38.27	-9.60	28.67	47.00	-18.33	352	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*

No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	82.3588	42.30	-15.86	26.44	40.00	-13.56	96	100	peak
2	94.7601	42.46	-12.56	29.90	40.00	-10.10	356	100	peak
3	112.1305	38.86	-12.80	26.06	40.00	-13.94	141	100	peak
4	213.7634	41.04	-12.21	28.83	40.00	-11.17	218	100	peak
5	258.3264	34.41	-10.14	24.27	47.00	-22.73	25	100	peak
6	372.0045	31.88	-7.36	24.52	47.00	-22.48	144	100	peak

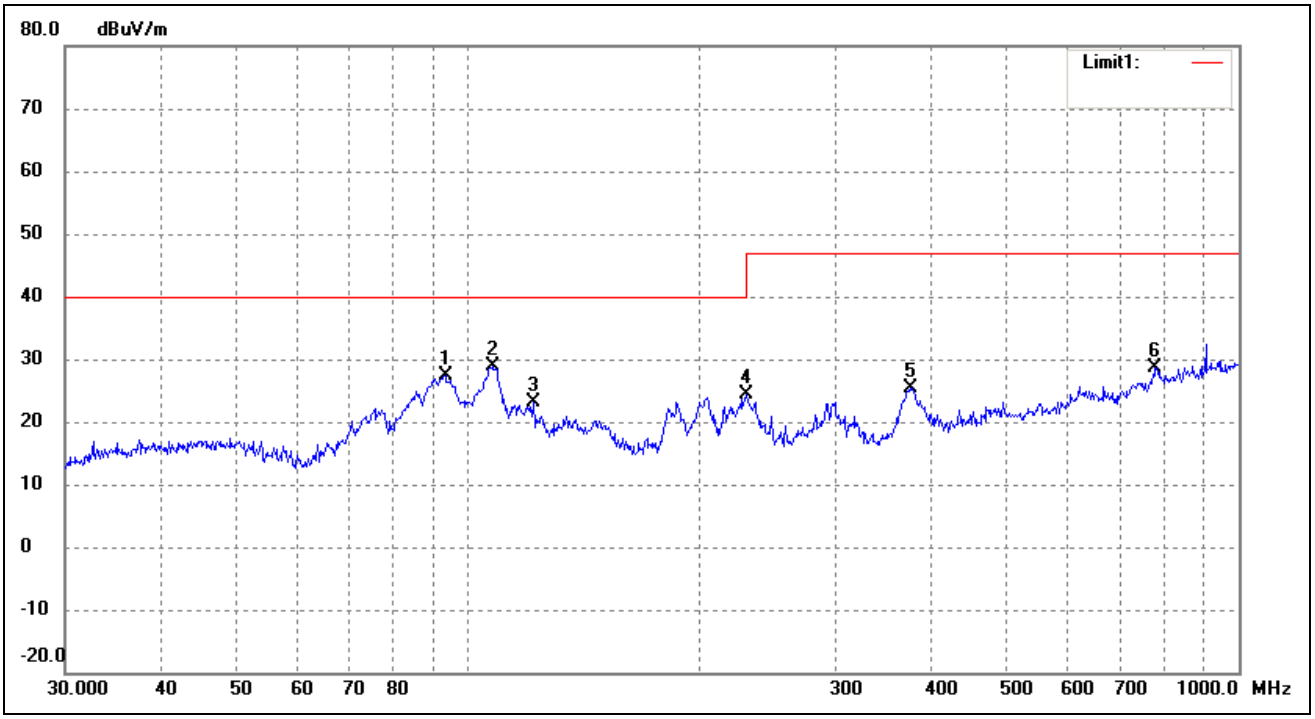
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.6375	42.33	-11.18	31.15	40.00	-8.85	231	100	peak
2	42.6000	39.04	-10.43	28.61	40.00	-11.39	16	100	peak
3	68.8721	45.29	-15.97	29.32	40.00	-10.68	251	100	peak
4	94.4284	45.43	-12.64	32.79	40.00	-7.21	185	100	peak
5	107.8877	48.82	-12.31	36.51	40.00	-3.49	263	100	peak
6	133.6188	40.66	-14.45	26.21	40.00	-13.79	310	100	peak

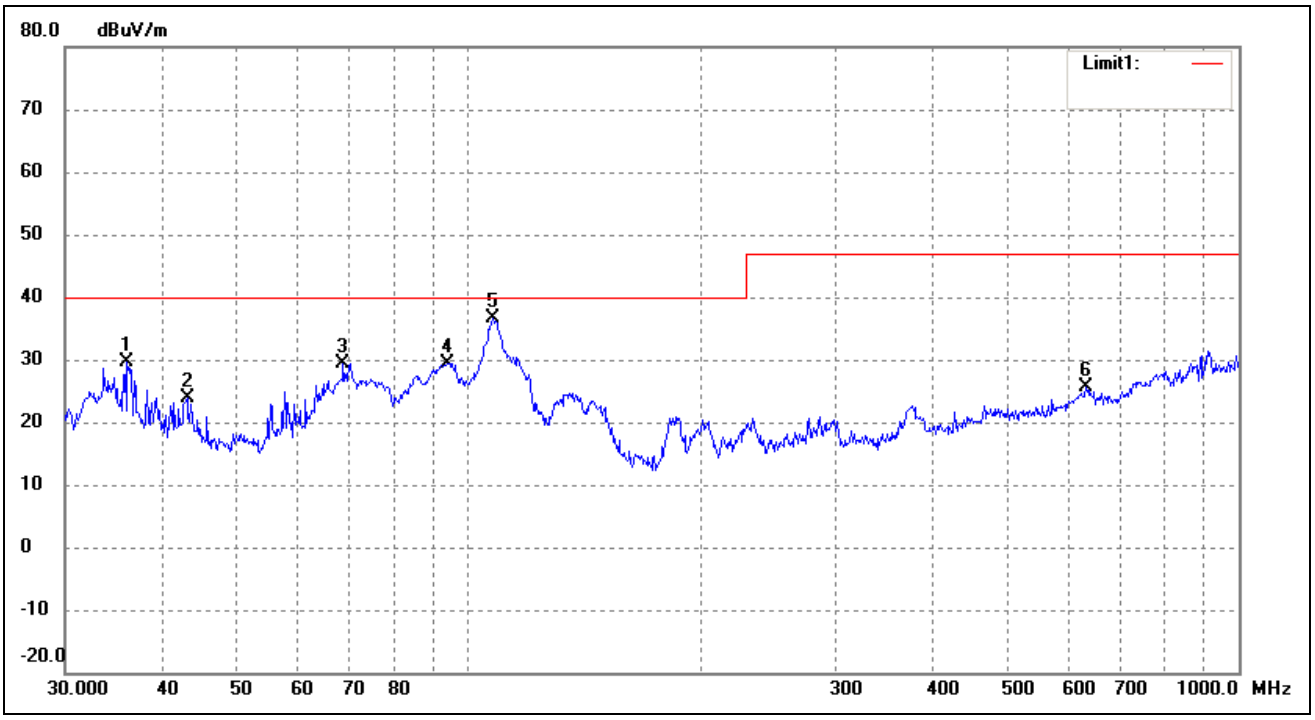
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	93.4402	40.32	-12.85	27.47	40.00	-12.53	355	100	peak
2	107.5101	41.07	-12.26	28.81	40.00	-11.19	261	100	peak
3	121.5486	36.83	-13.78	23.05	40.00	-16.95	15	100	peak
4	229.2931	36.16	-11.77	24.39	40.00	-15.61	141	100	peak
5	374.6225	32.62	-7.24	25.38	47.00	-21.62	105	100	peak
6	779.6068	28.02	0.54	28.56	47.00	-18.44	196	100	peak

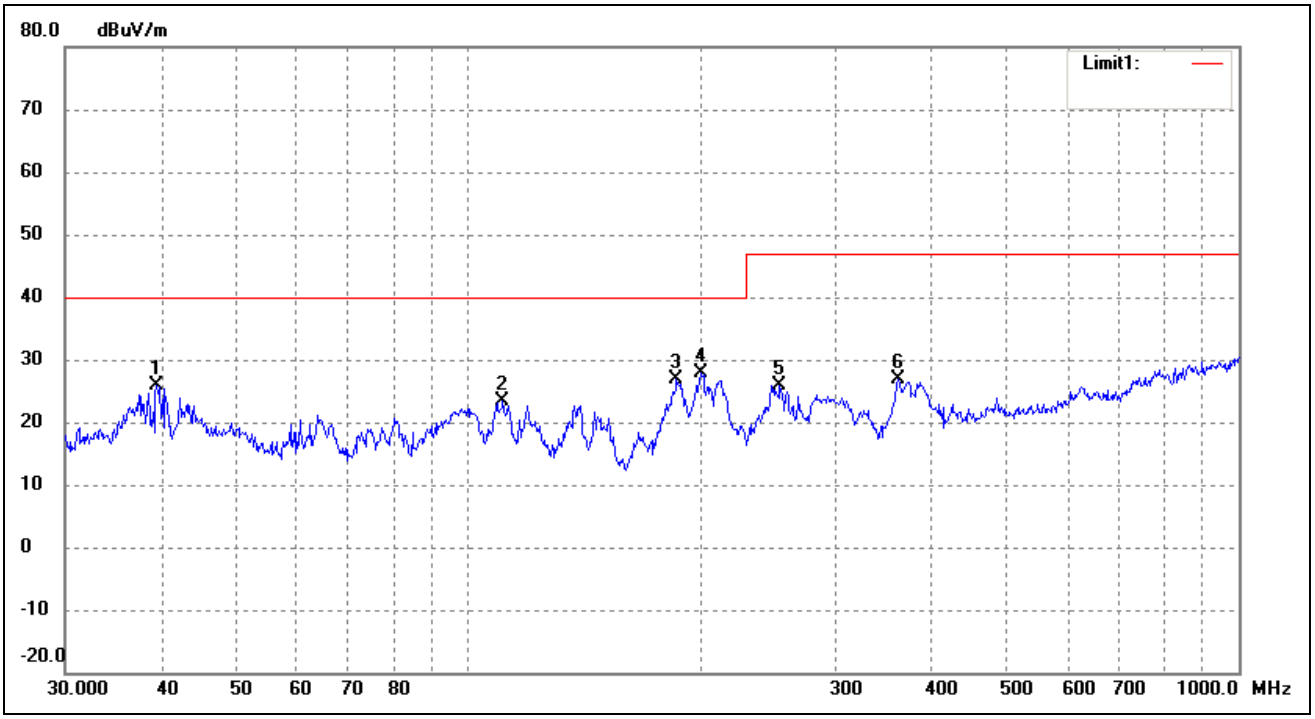
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	36.1272	41.03	-11.29	29.74	40.00	-10.26	355	100	peak
2	43.2017	34.30	-10.43	23.87	40.00	-16.13	291	100	peak
3	68.8721	45.29	-15.97	29.32	40.00	-10.68	145	100	peak
4	94.0979	42.17	-12.71	29.46	40.00	-10.54	154	100	peak
5	107.8877	48.82	-12.31	36.51	40.00	-3.49	56	100	peak
6	633.9073	28.62	-3.08	25.54	47.00	-21.46	136	100	peak

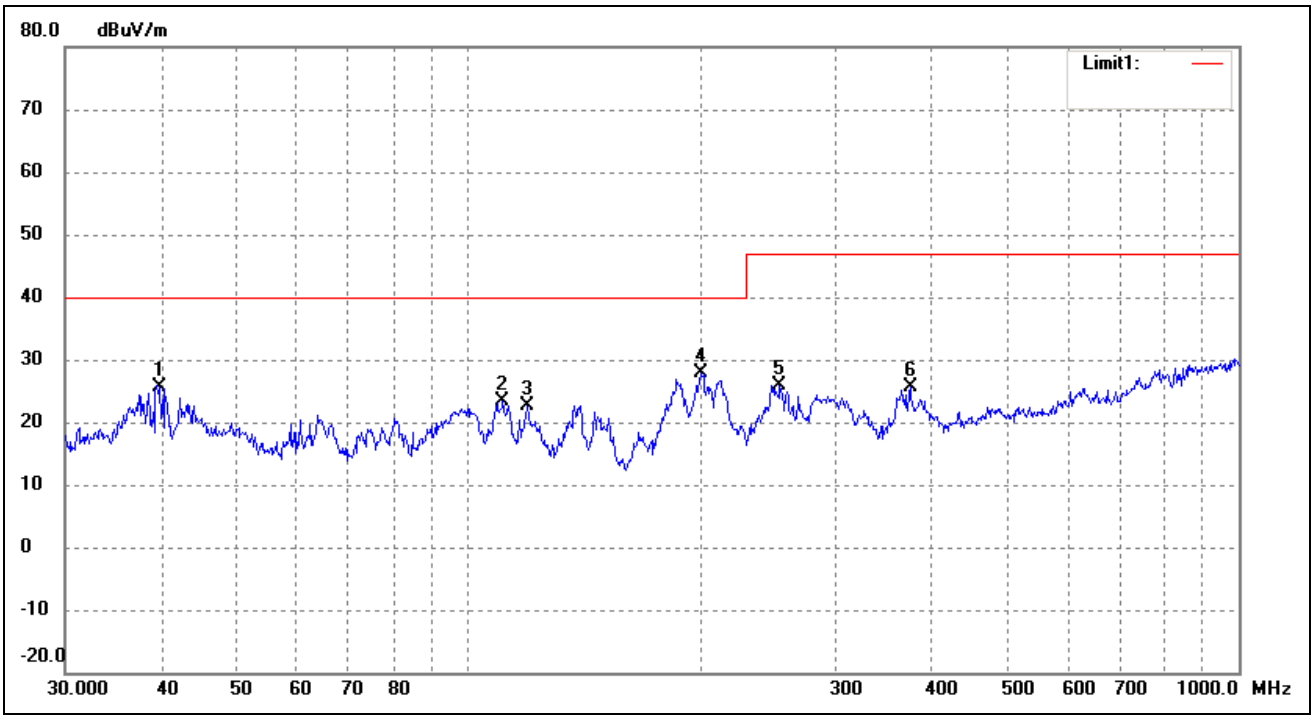
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	39.4371	36.42	-10.53	25.89	40.00	-14.11	56	100	peak
2	110.9571	36.15	-12.66	23.49	40.00	-16.51	351	100	peak
3	186.4409	40.33	-13.38	26.95	40.00	-13.05	126	100	peak
4	200.6881	39.39	-11.63	27.76	40.00	-12.24	58	100	peak
5	253.8367	36.29	-10.34	25.95	47.00	-21.05	164	100	peak
6	361.7139	34.66	-7.82	26.84	47.00	-20.16	215	100	peak

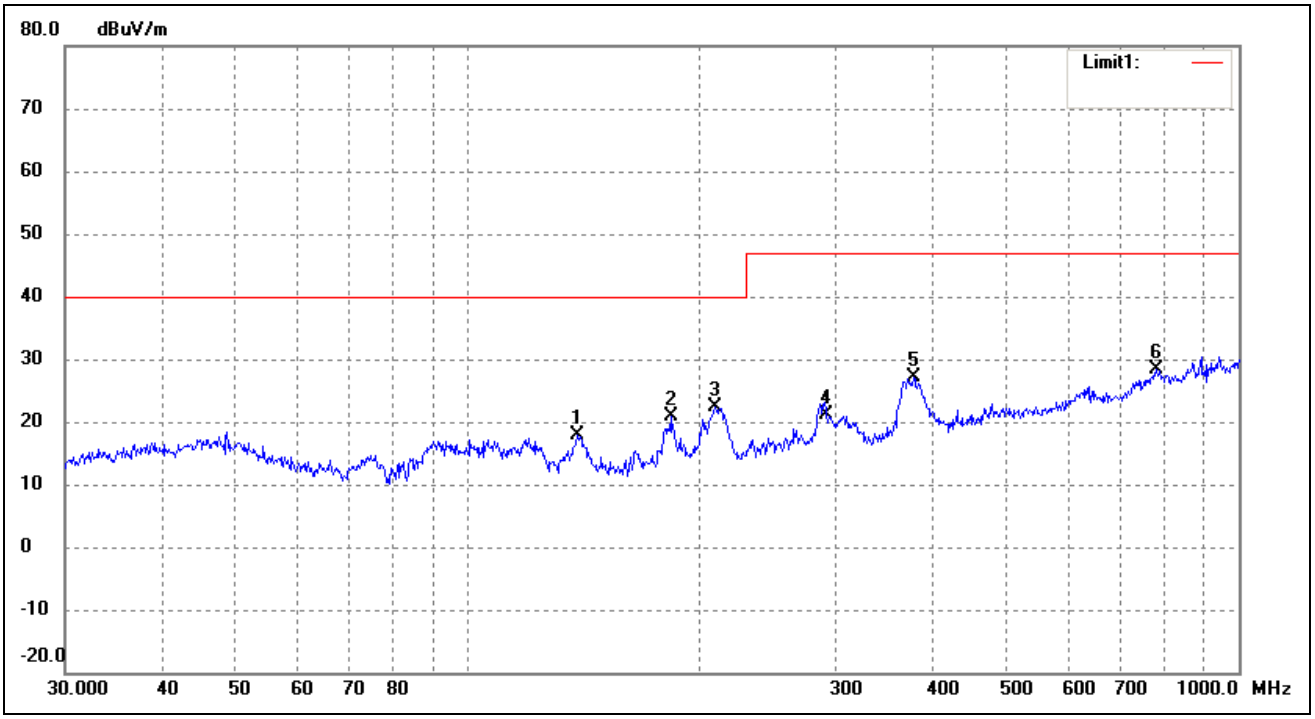
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	39.8542	36.18	-10.44	25.74	40.00	-14.26	359	100	peak
2	110.9571	36.15	-12.66	23.49	40.00	-16.51	59	100	peak
3	119.4361	36.22	-13.64	22.58	40.00	-17.42	286	100	peak
4	200.6881	39.39	-11.63	27.76	40.00	-12.24	142	100	peak
5	253.8367	36.29	-10.34	25.95	47.00	-21.05	163	100	peak
6	374.6225	32.90	-7.24	25.66	47.00	-21.34	352	100	peak

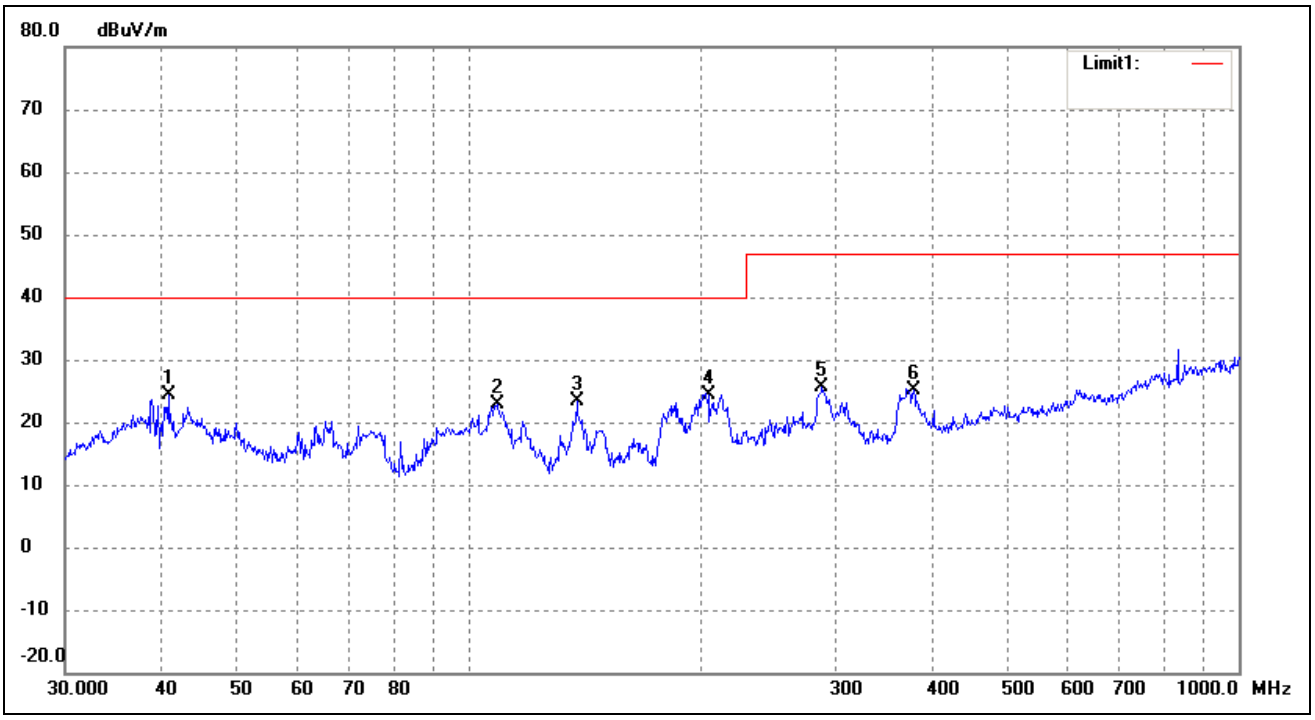
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US24*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	138.3873	32.67	-14.72	17.95	40.00	-22.05	55	100	peak
2	183.2005	34.57	-13.80	20.77	40.00	-19.23	164	100	peak
3	209.3129	34.37	-12.01	22.36	40.00	-17.64	356	100	peak
4	292.0583	30.88	-9.66	21.22	47.00	-25.78	123	100	peak
5	378.5843	34.21	-7.06	27.15	47.00	-19.85	321	100	peak
6	782.3453	27.90	0.50	28.40	47.00	-18.60	141	100	peak

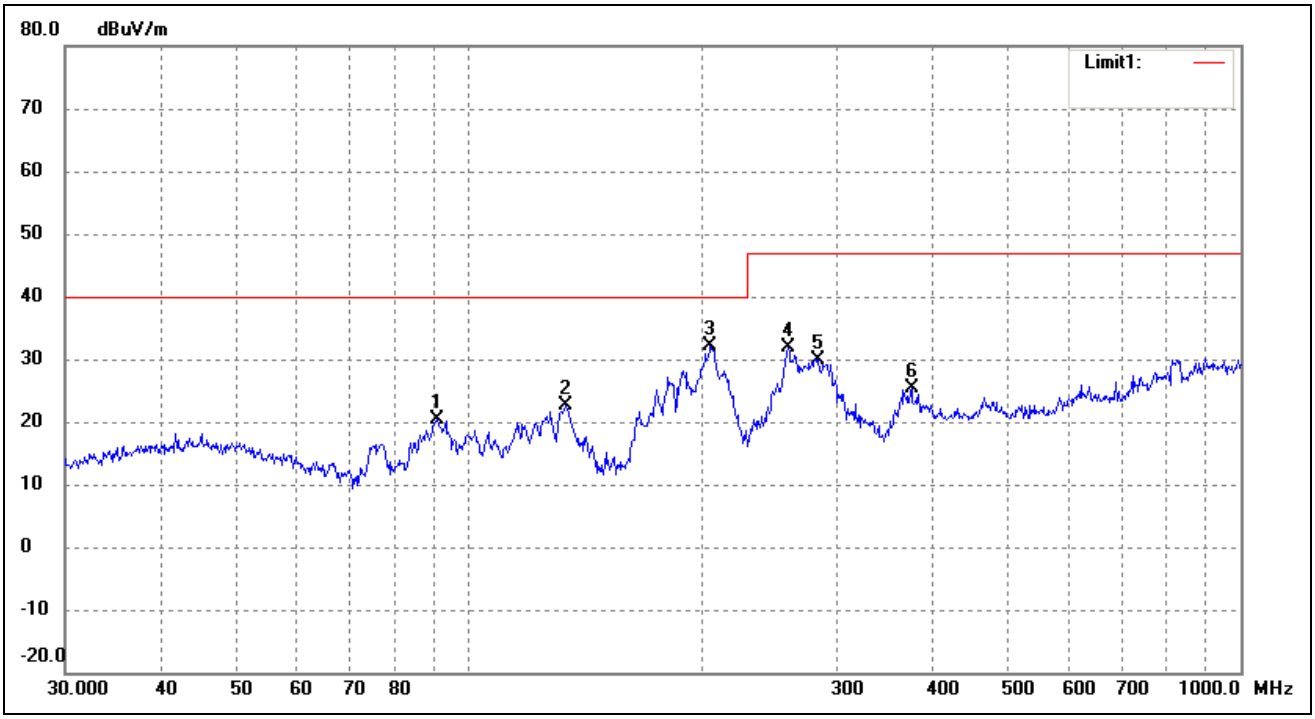
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	40.8446	34.77	-10.41	24.36	40.00	-15.64	159	100	peak
2	109.0286	35.36	-12.44	22.92	40.00	-17.08	85	100	peak
3	138.3873	37.99	-14.72	23.27	40.00	-16.73	146	100	peak
4	204.9551	36.24	-11.82	24.42	40.00	-15.58	36	100	peak
5	287.9904	35.18	-9.60	25.58	47.00	-21.42	156	100	peak
6	378.5843	32.16	-7.06	25.10	47.00	-21.90	211	100	peak

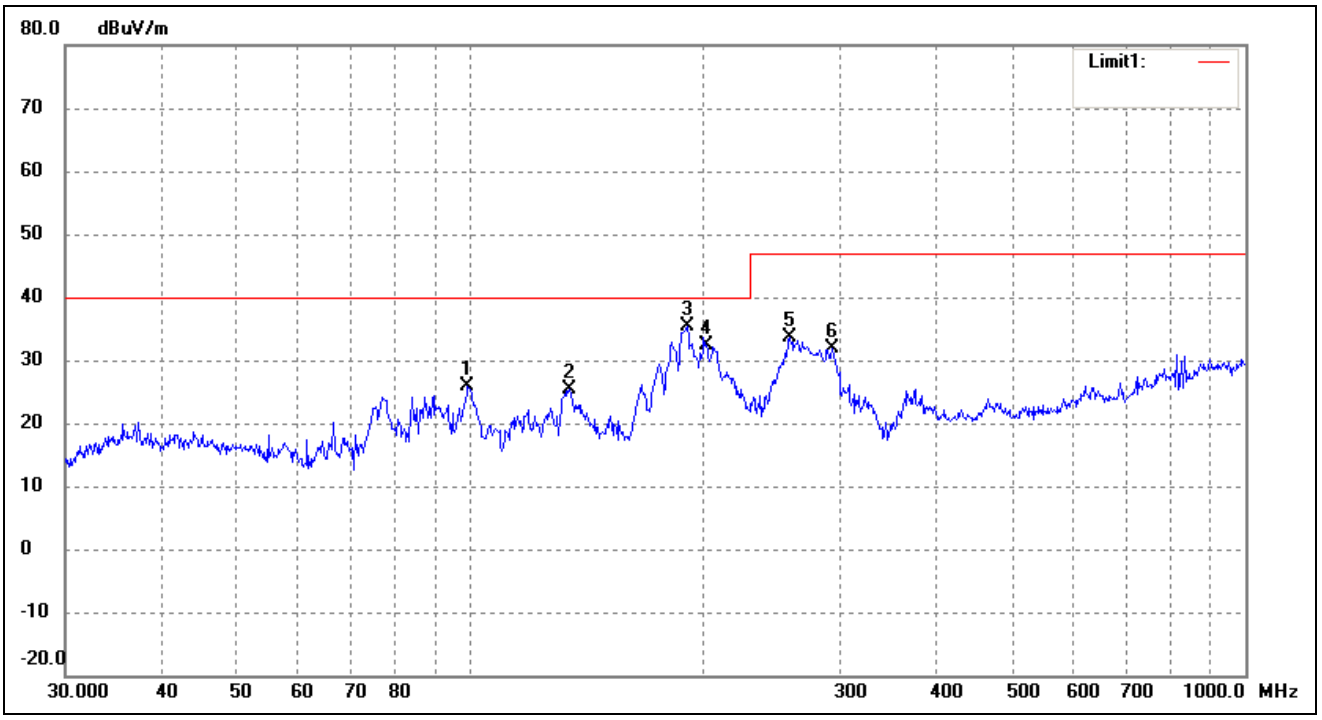
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	91.1746	33.84	-13.36	20.48	40.00	-19.52	91	100	peak
2	133.6188	37.14	-14.45	22.69	40.00	-17.31	45	100	peak
3	205.6751	43.90	-11.85	32.05	40.00	-7.95	185	100	peak
4	259.2338	41.94	-10.10	31.84	47.00	-15.16	245	100	peak
5	283.9791	39.38	-9.56	29.82	47.00	-17.18	163	100	peak
6	374.6225	32.72	-7.24	25.48	47.00	-21.52	321	100	peak

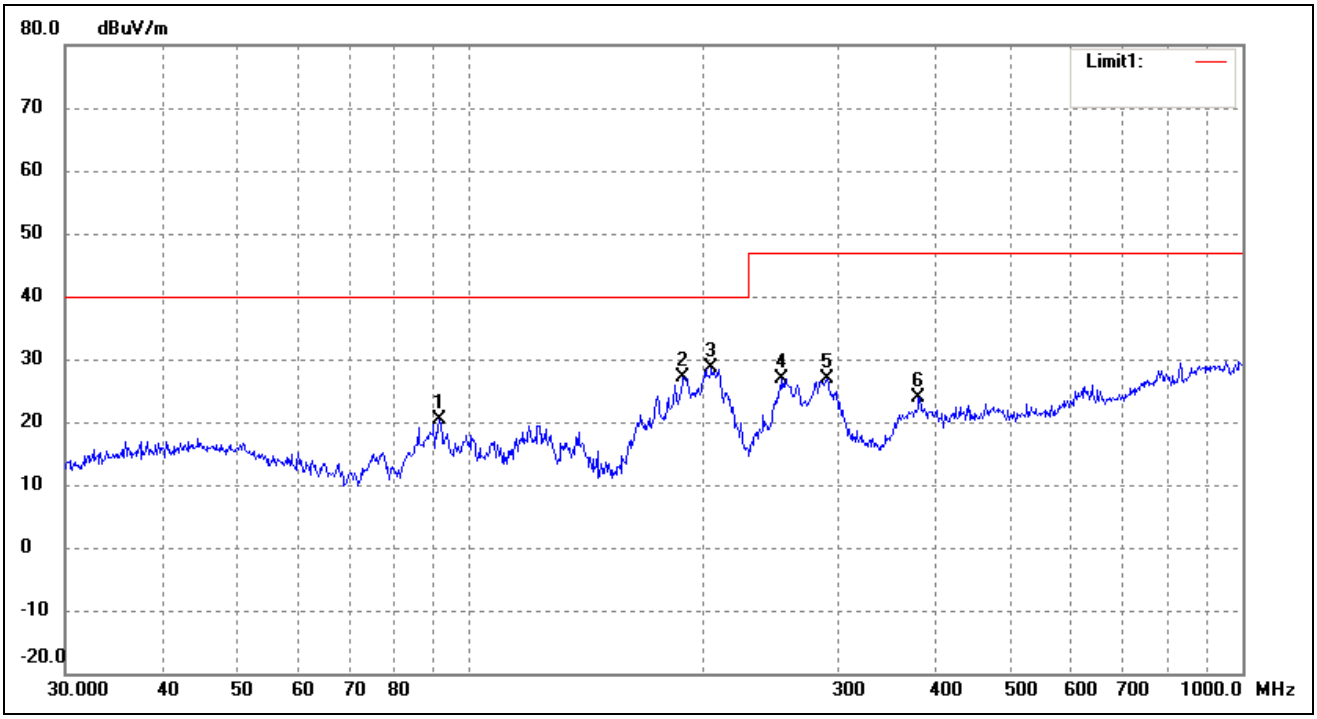
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	99.1797	37.45	-11.58	25.87	40.00	-14.13	61	100	peak
2	134.0882	39.96	-14.48	25.48	40.00	-14.52	185	100	peak
3	190.4050	48.13	-12.86	35.27	40.00	-4.73	241	100	peak
4	201.3930	44.11	-11.66	32.45	40.00	-7.55	155	100	peak
5	258.3264	43.86	-10.14	33.72	47.00	-13.28	212	100	peak
6	293.0842	41.64	-9.67	31.97	47.00	-15.03	32	100	peak

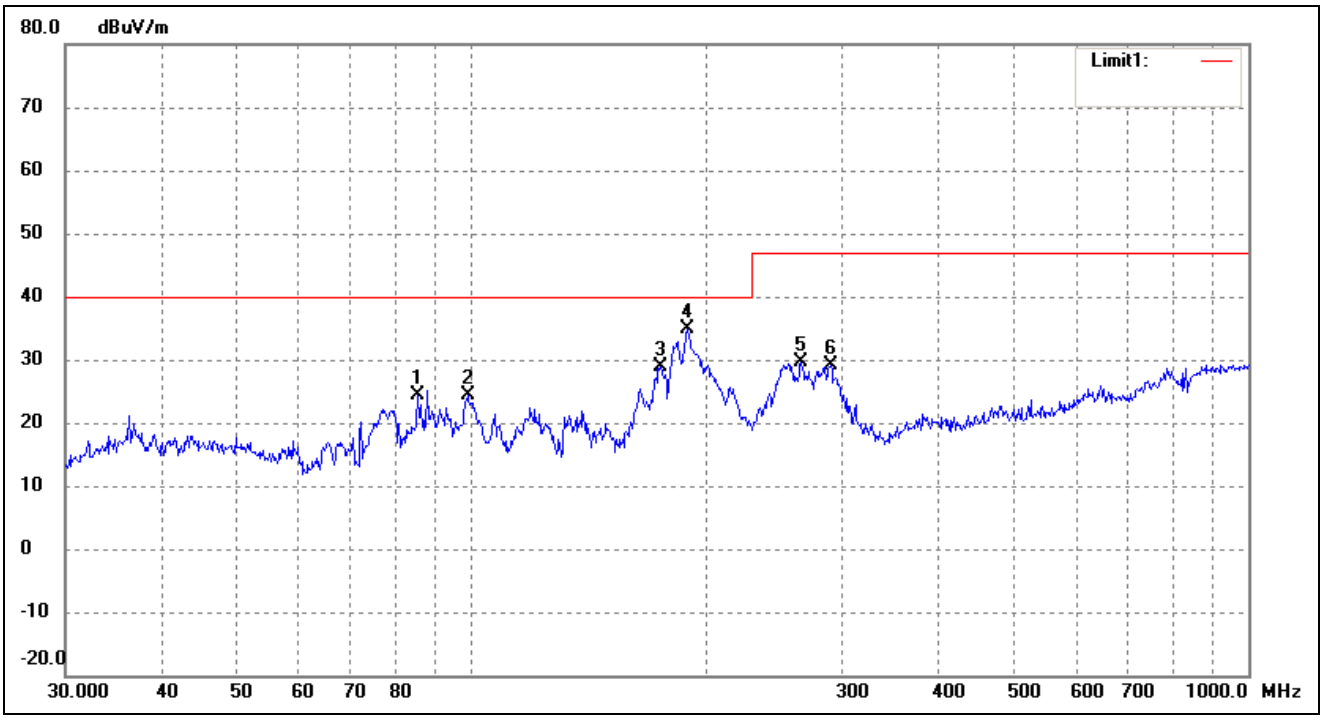
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	91.4949	33.61	-13.29	20.32	40.00	-19.68	61	100	peak
2	189.0743	40.11	-13.04	27.07	40.00	-12.93	196	100	peak
3	205.6751	40.53	-11.85	28.68	40.00	-11.32	356	100	peak
4	253.8367	37.21	-10.34	26.87	47.00	-20.13	122	100	peak
5	290.0172	36.44	-9.63	26.81	47.00	-20.19	215	100	peak
6	381.2487	30.97	-7.04	23.93	47.00	-23.07	105	100	peak

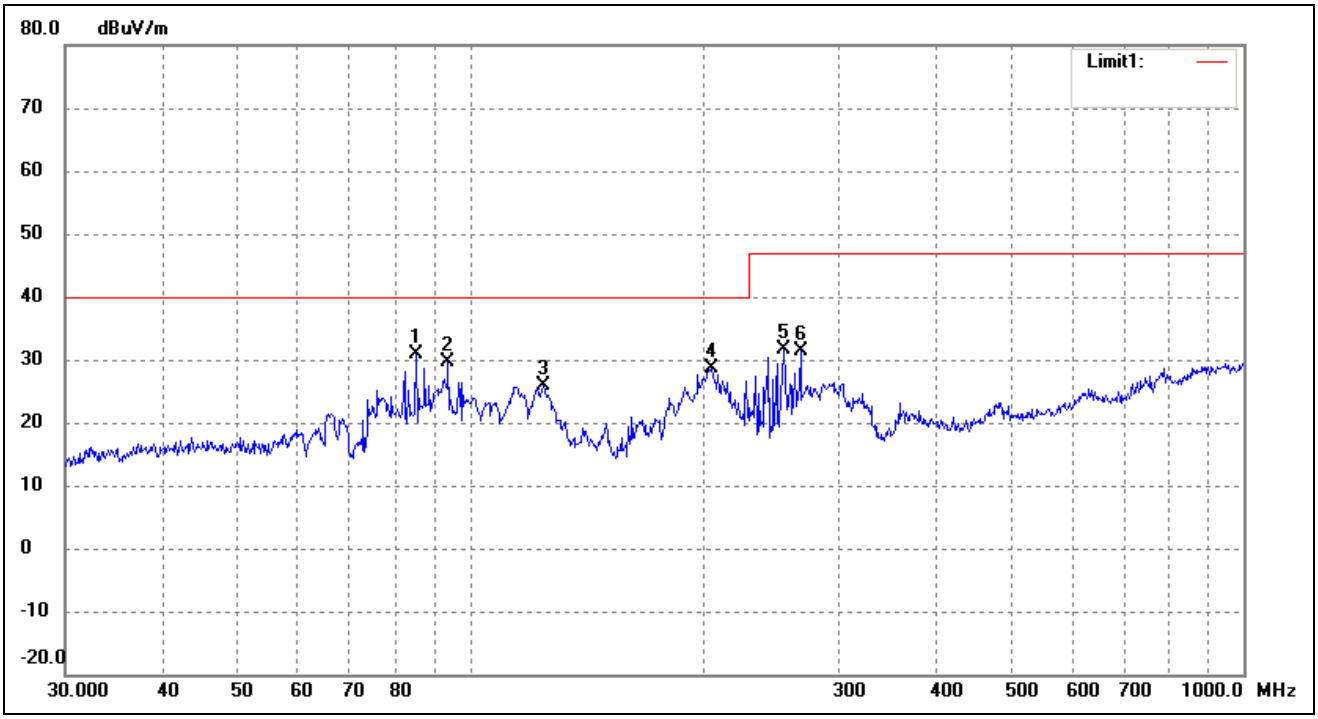
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	85.2980	40.13	-15.75	24.38	40.00	-15.62	336	100	peak
2	98.8326	36.00	-11.66	24.34	40.00	-15.66	216	100	peak
3	175.0368	43.24	-14.42	28.82	40.00	-11.18	356	100	peak
4	189.7385	47.80	-12.94	34.86	40.00	-5.14	159	100	peak
5	265.6757	39.56	-9.91	29.65	47.00	-17.35	124	100	peak
6	290.0172	38.80	-9.63	29.17	47.00	-17.83	210	100	peak

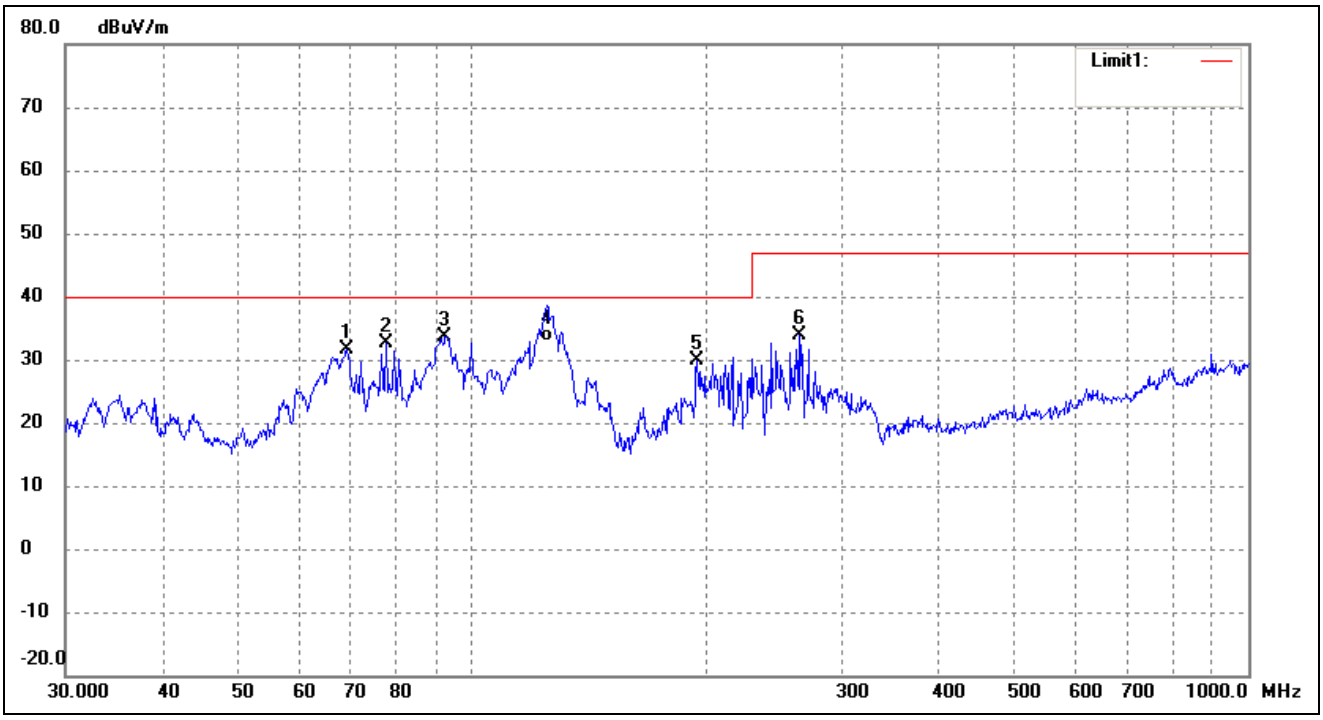
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	85.2981	45.83	-14.99	30.84	40.00	-9.16	164	100	peak
2	93.7685	42.37	-12.78	29.59	40.00	-10.41	158	100	peak
3	124.5690	39.93	-13.95	25.98	40.00	-14.02	56	100	peak
4	204.9551	40.49	-11.82	28.67	40.00	-11.33	195	100	peak
5	254.7284	41.81	-10.30	31.51	47.00	-15.49	352	100	peak
6	267.5455	41.23	-9.85	31.38	47.00	-15.62	333	100	peak

Test Specification: *Vertical*



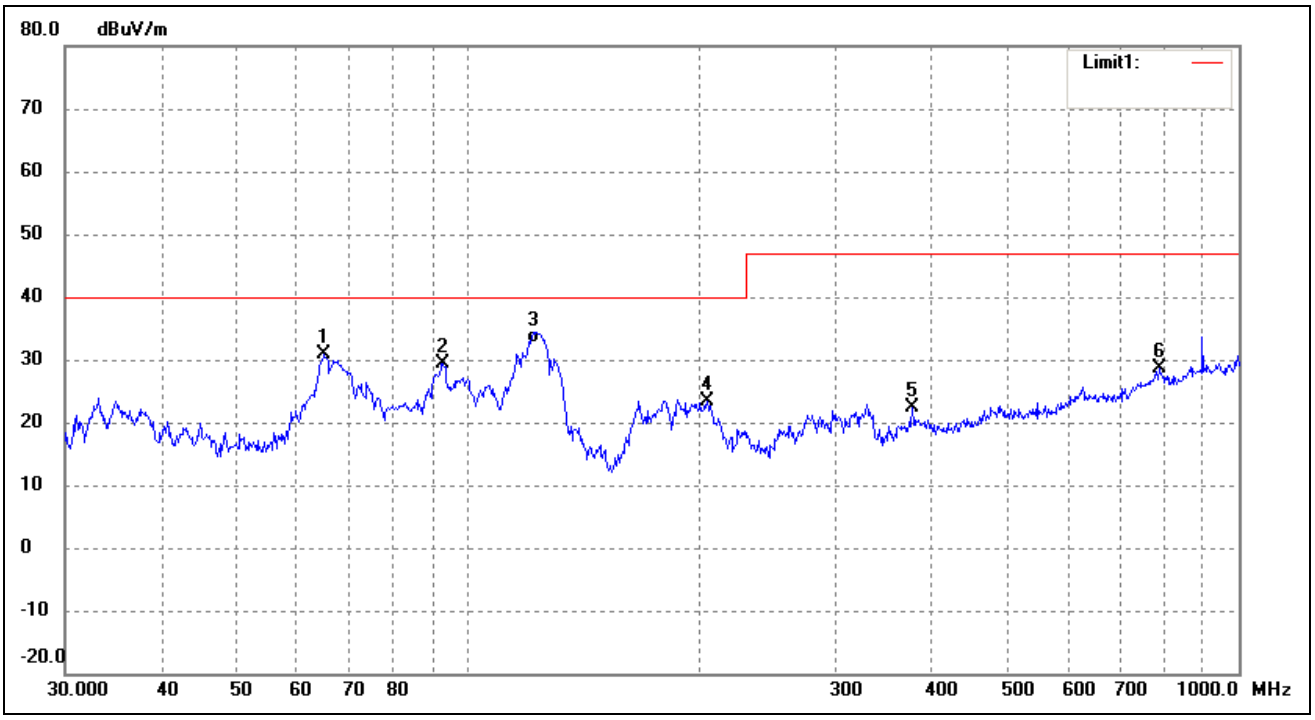
No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	69.1141	47.59	-16.03	31.56	40.00	-8.44	345	100	peak
2	77.5928	50.34	-17.68	32.66	40.00	-7.34	165	100	peak
3	92.4624	46.76	-13.08	33.68	40.00	-6.32	219	100	peak
4	125.0066	46.98	-13.98	33.00	40.00	-7.00	53	100	QP
5	195.1365	42.17	-12.24	29.93	40.00	-10.07	316	100	peak
6	263.8190	43.76	-9.96	33.80	47.00	-13.20	255	100	peak

Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*

No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	78.9652	48.90	-16.35	32.55	40.00	-7.45	163	100	peak
2	84.7019	46.21	-15.17	31.04	40.00	-8.96	35	100	peak
3	104.9033	41.03	-11.96	29.07	40.00	-10.93	126	100	peak
4	125.0066	38.48	-13.98	24.50	40.00	-15.50	210	100	peak
5	231.7179	44.30	-11.59	32.71	47.00	-14.29	166	100	peak
6	261.9753	46.33	-10.02	36.31	47.00	-10.69	323	100	peak

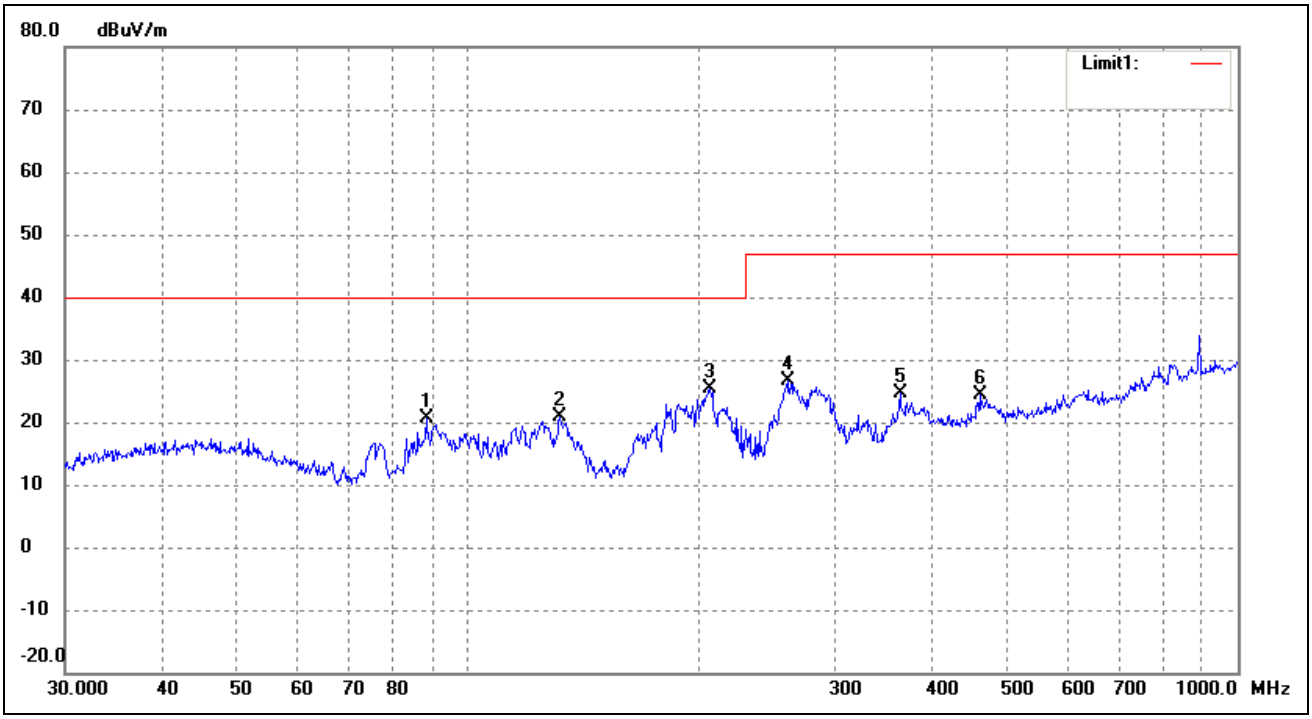
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	65.1145	45.81	-15.00	30.81	40.00	-9.19	88	100	peak
2	92.7872	42.34	-13.00	29.34	40.00	-10.66	245	100	peak
3	121.5486	46.29	-13.78	32.51	40.00	-7.49	117	100	QP
4	204.2377	35.18	-11.78	23.40	40.00	-16.60	245	100	peak
5	377.2591	29.42	-7.13	22.29	47.00	-24.71	195	100	peak
6	787.8513	28.19	0.32	28.51	47.00	-18.49	356	100	peak

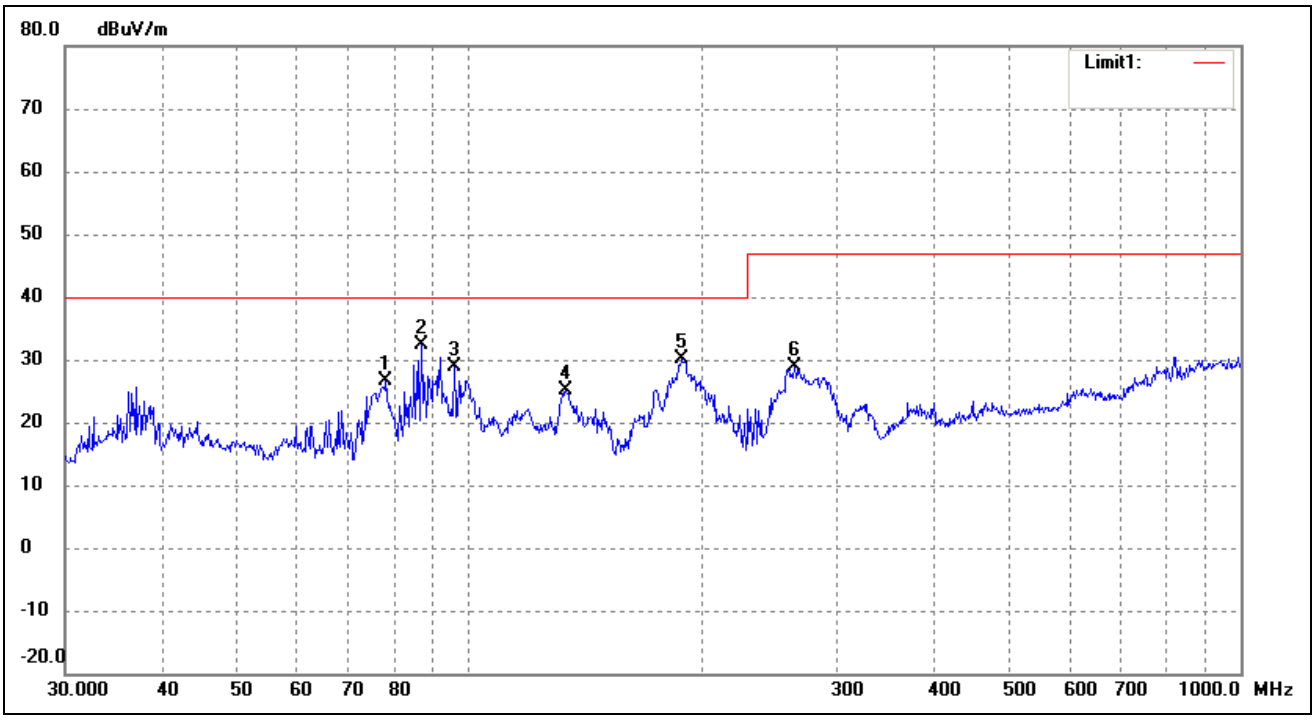
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	88.3421	34.80	-14.10	20.70	40.00	-19.30	355	100	peak
2	131.7577	35.18	-14.34	20.84	40.00	-19.16	16	100	peak
3	206.3976	37.19	-11.88	25.31	40.00	-14.69	295	100	peak
4	260.1444	36.67	-10.07	26.60	47.00	-20.40	141	100	peak
5	364.2595	32.23	-7.71	24.52	47.00	-22.48	215	100	peak
6	462.3455	30.87	-6.61	24.26	47.00	-22.74	356	100	peak

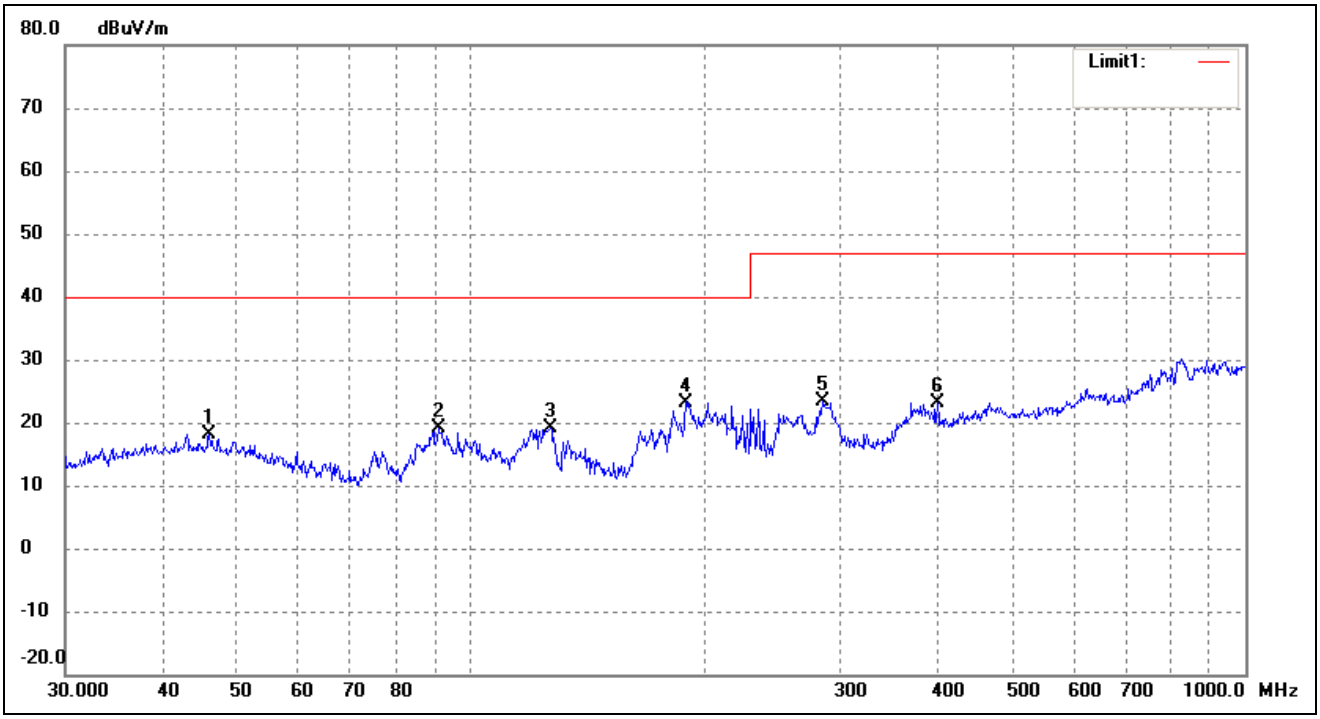
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	78.1389	44.32	-17.79	26.53	40.00	-13.47	56	100	peak
2	86.8068	47.35	-15.07	32.28	40.00	-7.72	285	100	peak
3	95.7622	41.27	-12.34	28.93	40.00	-11.07	161	100	peak
4	133.6188	39.54	-14.45	25.09	40.00	-14.91	314	100	peak
5	189.0743	43.27	-13.04	30.23	40.00	-9.77	105	100	peak
6	263.8190	38.85	-9.96	28.89	47.00	-18.11	210	100	peak

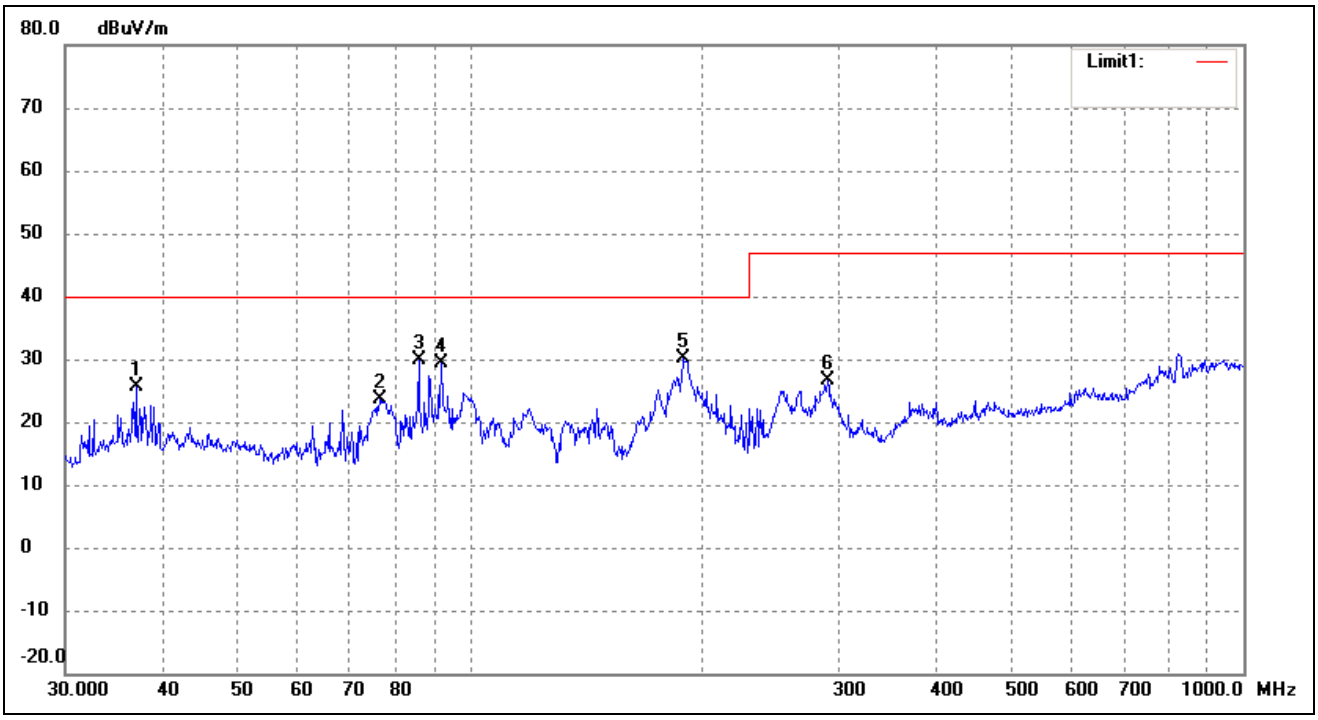
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 230VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	46.0164	28.80	-10.62	18.18	40.00	-21.82	312	100	peak
2	90.8554	32.64	-13.43	19.21	40.00	-20.79	52	100	peak
3	126.7723	33.31	-14.07	19.24	40.00	-20.76	163	100	peak
4	189.7385	36.19	-12.94	23.25	40.00	-16.75	333	100	peak
5	284.9767	32.92	-9.57	23.35	47.00	-23.65	205	100	peak
6	400.4319	30.72	-7.61	23.11	47.00	-23.89	185	100	peak

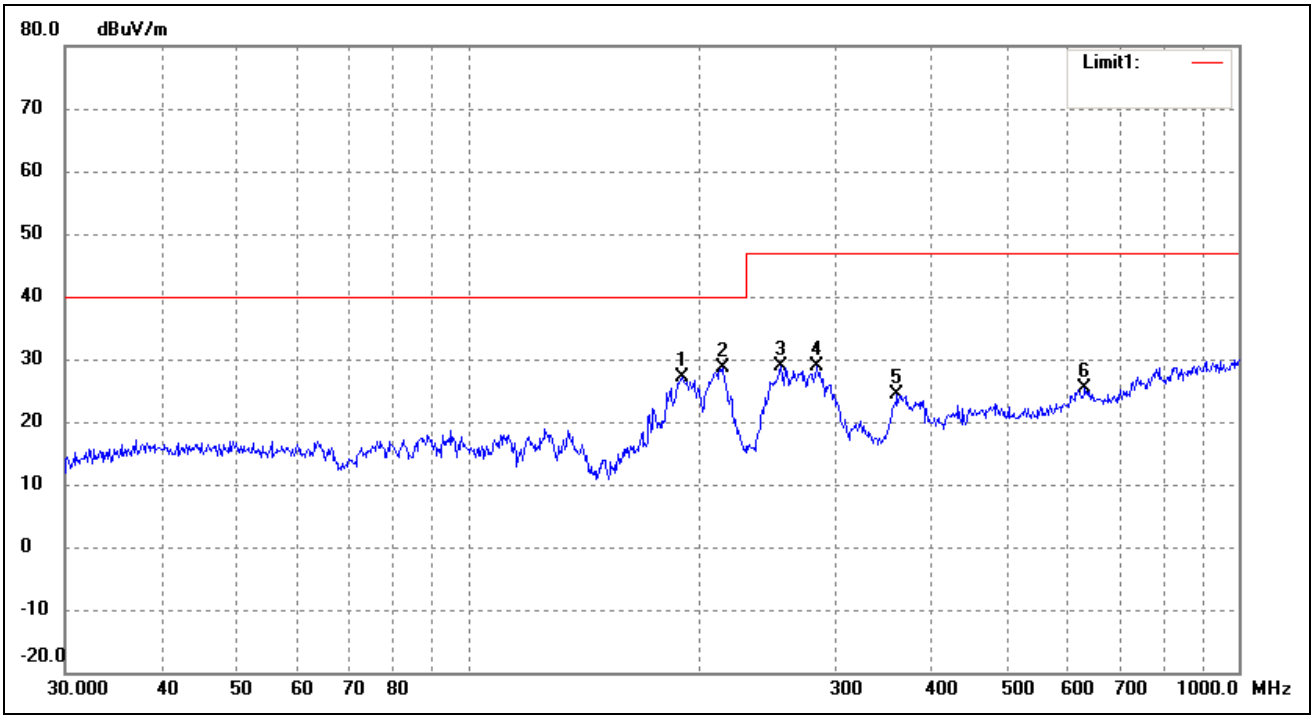
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	37.0248	36.78	-11.09	25.69	40.00	-14.31	45	100	peak
2	76.5121	41.12	-17.49	23.63	40.00	-16.37	186	100	peak
3	85.8984	45.36	-15.48	29.88	40.00	-10.12	231	100	peak
4	91.8163	42.69	-13.22	29.47	40.00	-10.53	156	100	peak
5	189.0743	43.27	-13.04	30.23	40.00	-9.77	241	100	peak
6	290.0172	36.28	-9.63	26.65	47.00	-20.35	151	100	peak

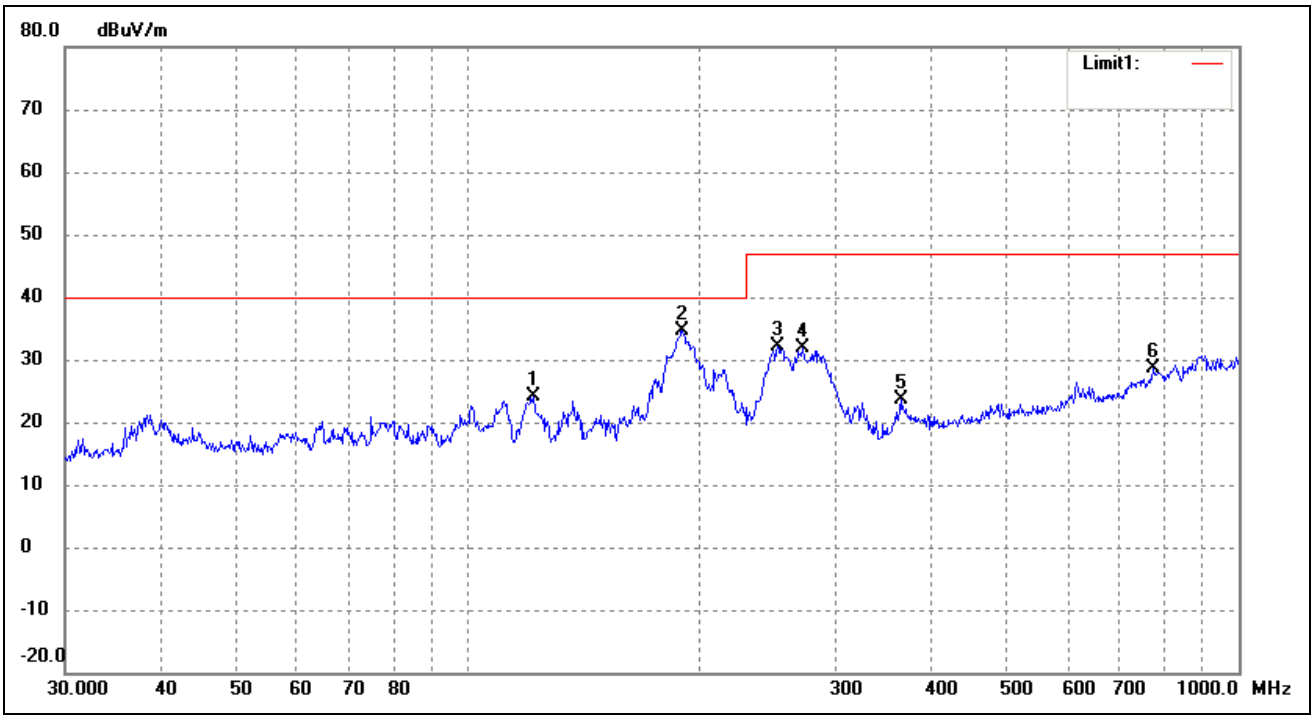
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	189.7385	40.03	-12.94	27.09	40.00	-12.91	358	100	peak
2	213.7634	40.88	-12.21	28.67	40.00	-11.33	265	100	peak
3	254.7284	39.13	-10.30	28.83	47.00	-18.17	11	100	peak
4	283.9791	38.54	-9.56	28.98	47.00	-18.02	245	100	peak
5	360.4476	32.27	-7.88	24.39	47.00	-22.61	165	100	peak
6	631.6884	28.36	-3.03	25.33	47.00	-21.67	213	100	peak

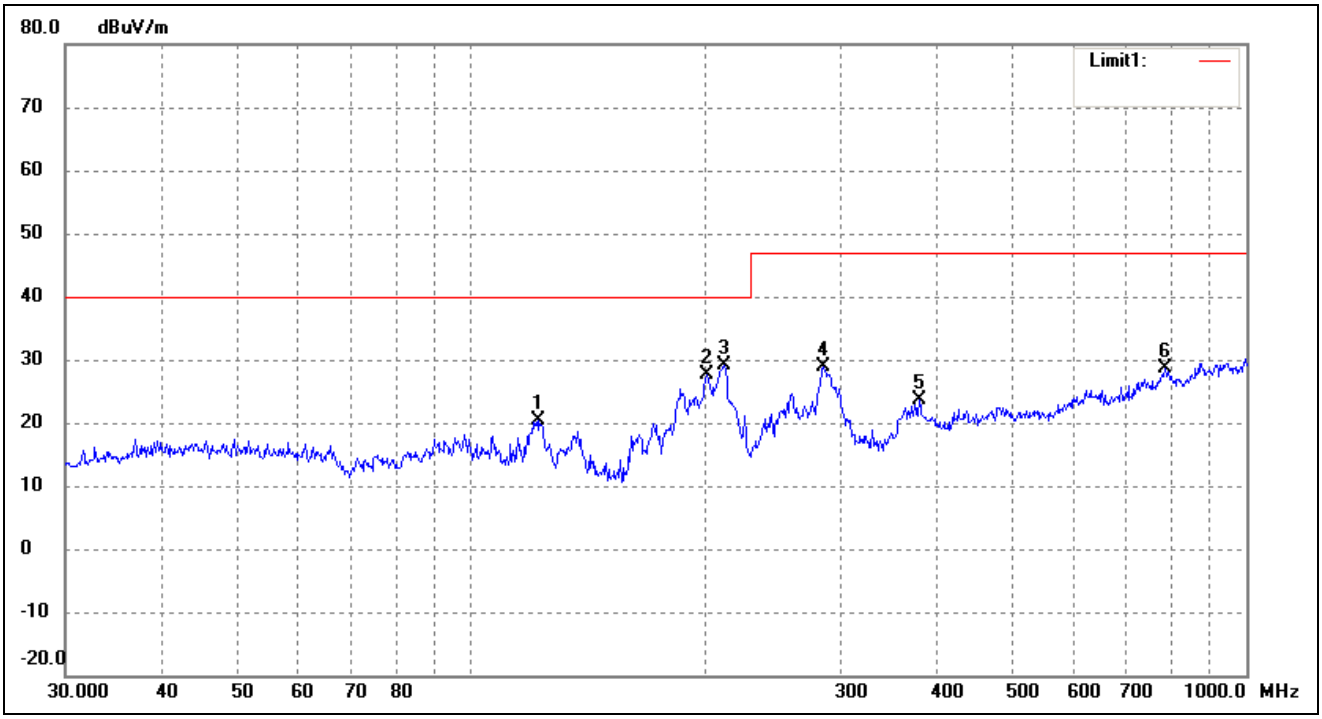
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	121.5485	37.88	-13.78	24.10	40.00	-15.90	55	100	peak
2	189.7384	47.65	-12.94	34.71	40.00	-5.29	185	100	peak
3	252.0627	42.55	-10.42	32.13	47.00	-14.87	341	100	peak
4	272.2776	41.56	-9.73	31.83	47.00	-15.17	151	100	peak
5	364.2595	31.40	-7.71	23.69	47.00	-23.31	12	100	peak
6	774.1584	28.48	0.04	28.52	47.00	-18.48	108	100	peak

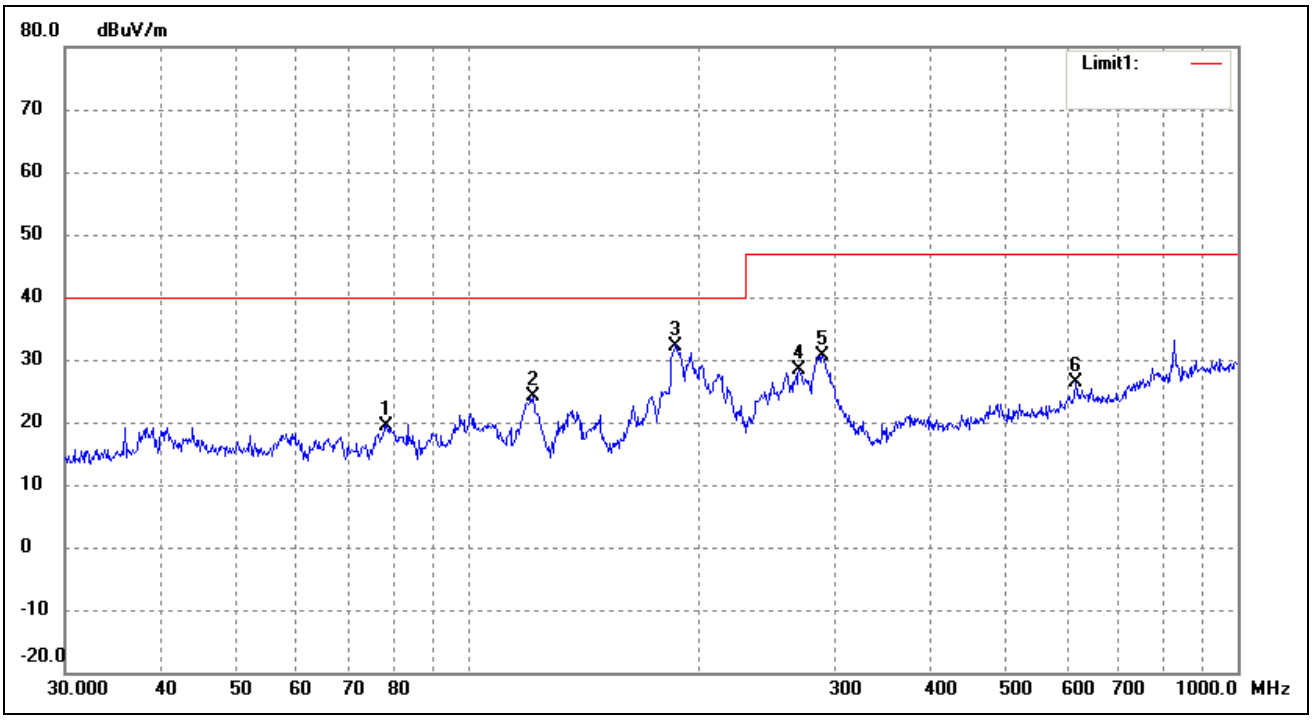
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	122.4040	34.14	-13.84	20.30	40.00	-19.70	96	100	peak
2	201.3930	39.31	-11.66	27.65	40.00	-12.35	356	100	peak
3	212.2695	41.31	-12.14	29.17	40.00	-10.83	285	100	peak
4	284.9767	38.33	-9.57	28.76	47.00	-18.24	154	100	peak
5	378.5843	30.62	-7.06	23.56	47.00	-23.44	156	100	peak
6	785.0935	28.15	0.40	28.55	47.00	-18.45	322	100	peak

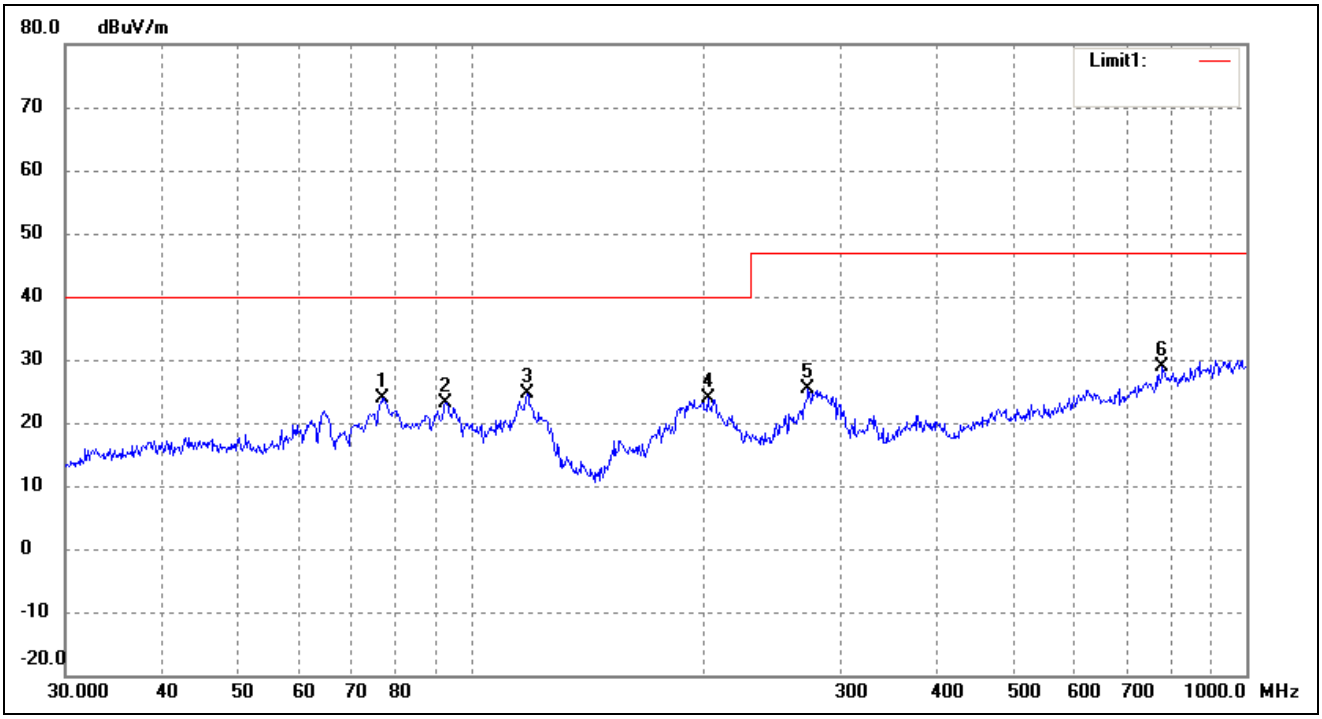
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	78.4133	37.34	-17.84	19.50	40.00	-20.50	125	100	peak
2	121.5486	37.88	-13.78	24.10	40.00	-15.90	12	100	peak
3	186.4409	45.63	-13.38	32.25	40.00	-7.75	185	100	peak
4	269.4284	38.20	-9.80	28.40	47.00	-18.60	345	100	peak
5	289.0021	40.26	-9.62	30.64	47.00	-16.36	102	100	peak
6	616.3718	29.35	-3.07	26.28	47.00	-20.72	222	100	peak

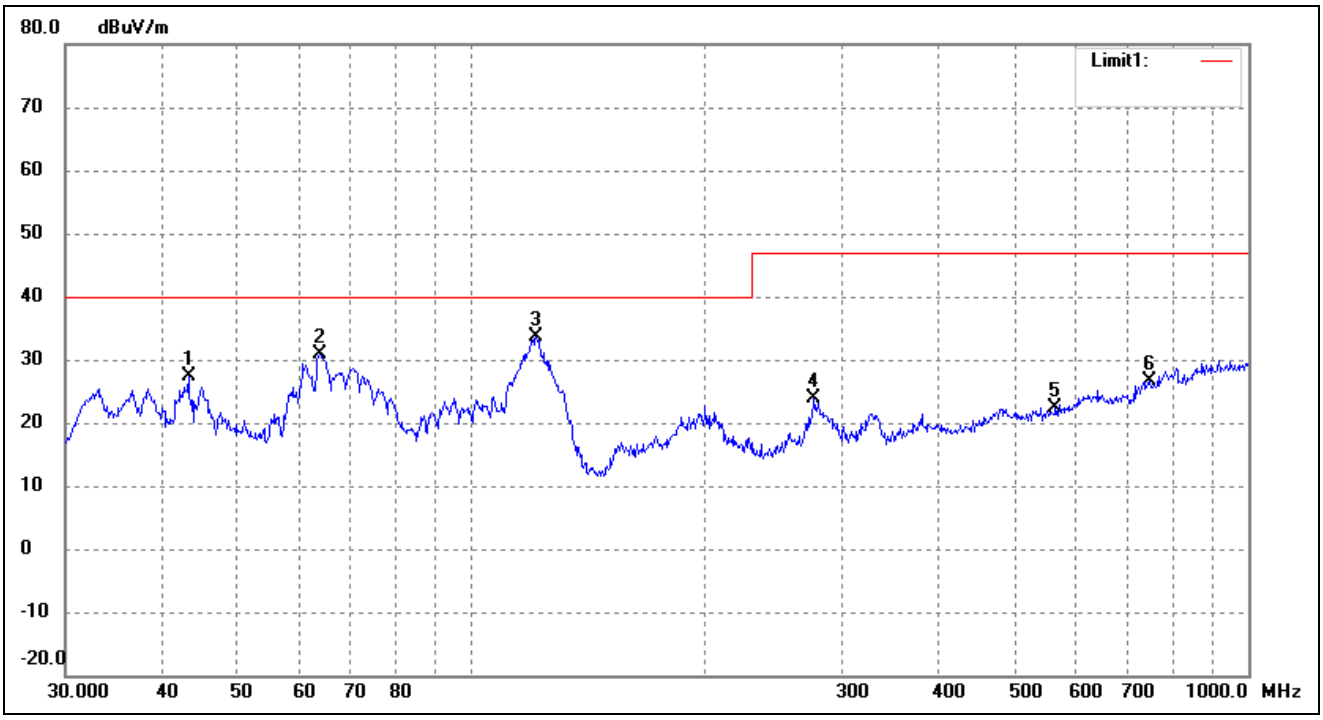
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	77.0505	39.81	-16.02	23.79	40.00	-16.21	356	100	peak
2	92.7871	36.23	-13.00	23.23	40.00	-16.77	195	100	peak
3	118.1862	38.17	-13.49	24.68	40.00	-15.32	241	100	peak
4	202.1005	35.68	-11.70	23.98	40.00	-16.02	111	100	peak
5	272.2776	35.12	-9.73	25.39	47.00	-21.61	215	100	peak
6	779.6068	28.23	0.54	28.77	47.00	-18.23	101	100	peak

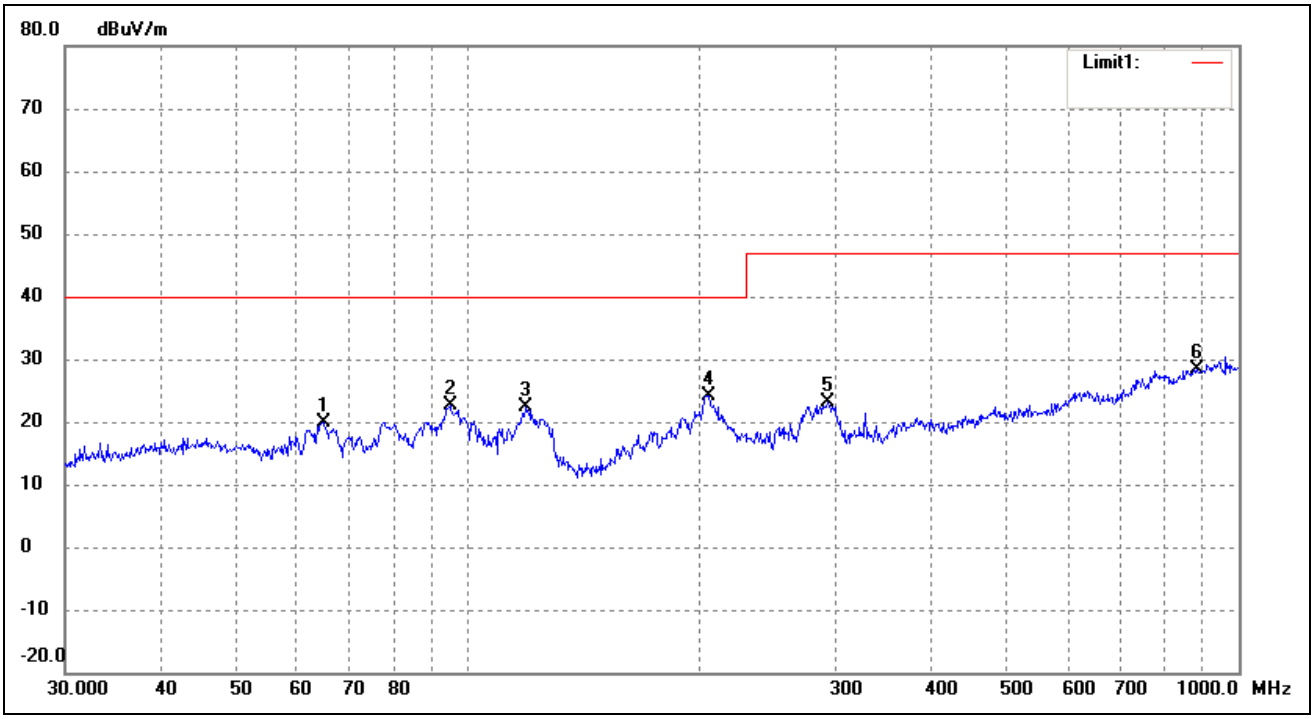
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	43.2017	37.78	-10.43	27.35	40.00	-12.65	95	100	peak
2	63.7588	45.58	-14.65	30.93	40.00	-9.07	256	100	peak
3	121.1231	47.40	-13.76	33.64	40.00	-6.36	345	100	peak
4	276.1235	33.51	-9.62	23.89	47.00	-23.11	121	100	peak
5	564.6389	28.10	-5.62	22.48	47.00	-24.52	105	100	peak
6	747.4825	27.88	-1.15	26.73	47.00	-20.27	285	100	peak

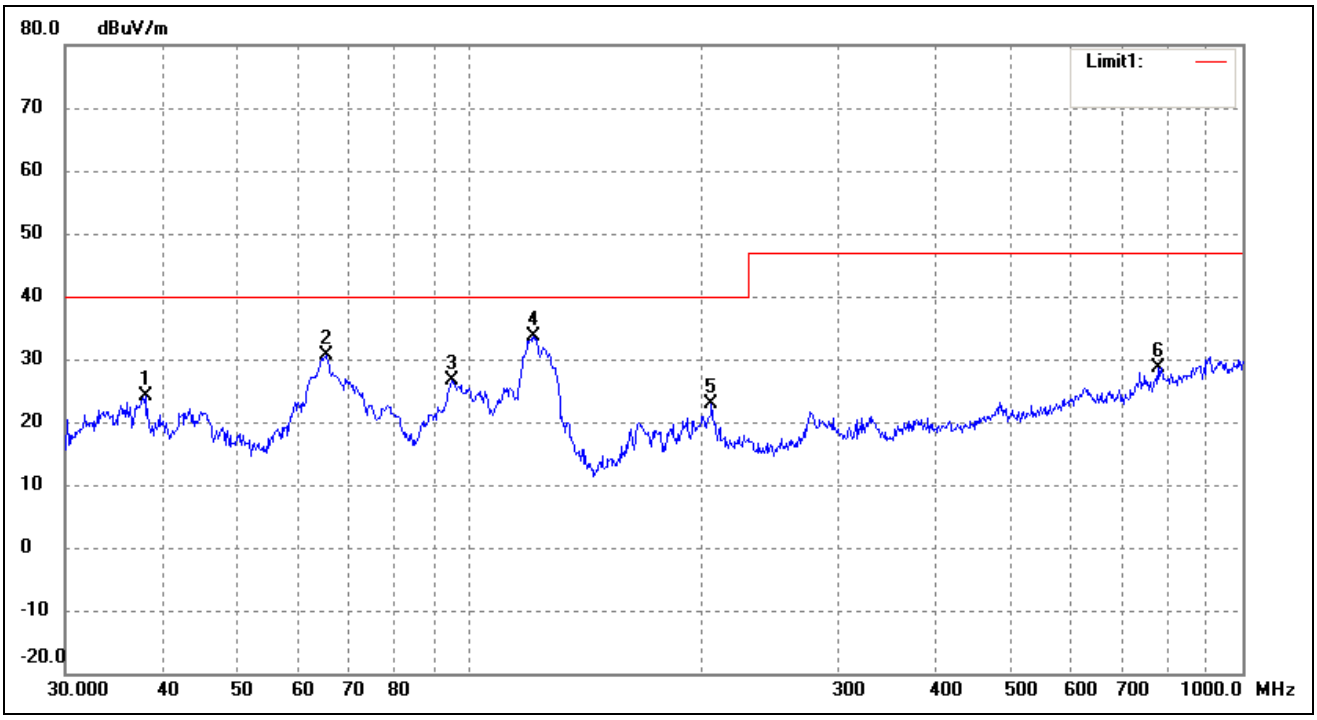
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class II; Output floating ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	64.8865	33.24	-13.24	20.00	40.00	-20.00	356	100	peak
2	94.7601	35.27	-12.56	22.71	40.00	-17.29	291	100	peak
3	119.0180	35.93	-13.59	22.34	40.00	-17.66	124	100	peak
4	205.6751	35.99	-11.85	24.14	40.00	-15.86	111	100	peak
5	293.0842	32.76	-9.67	23.09	47.00	-23.91	215	100	peak
6	884.5029	27.04	1.46	28.50	47.00	-18.50	133	100	peak

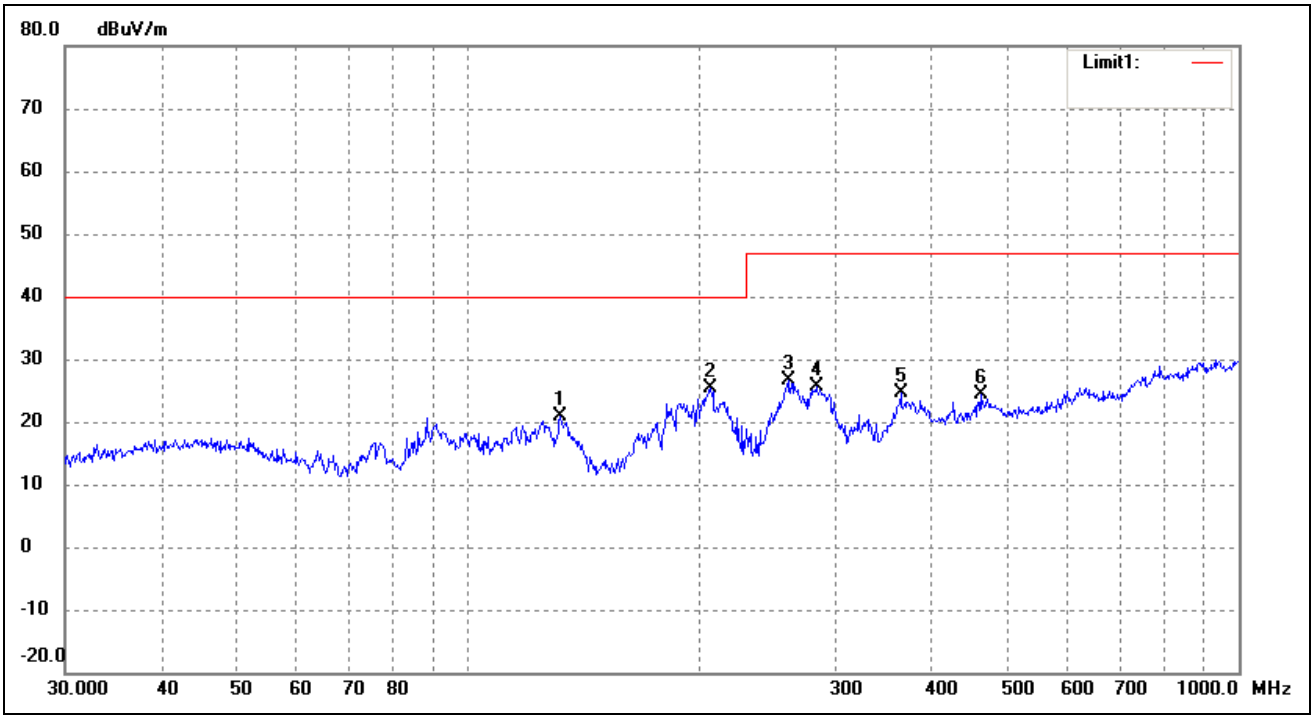
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.0783	35.10	-10.85	24.25	40.00	-15.75	95	100	peak
2	65.3432	45.68	-15.06	30.62	40.00	-9.38	256	100	peak
3	95.0930	39.08	-12.49	26.59	40.00	-13.41	285	100	peak
4	121.1231	47.41	-13.76	33.65	40.00	-6.35	125	100	peak
5	205.6751	34.66	-11.85	22.81	40.00	-17.19	336	100	peak
6	776.8778	28.39	0.30	28.69	47.00	-18.31	320	100	peak

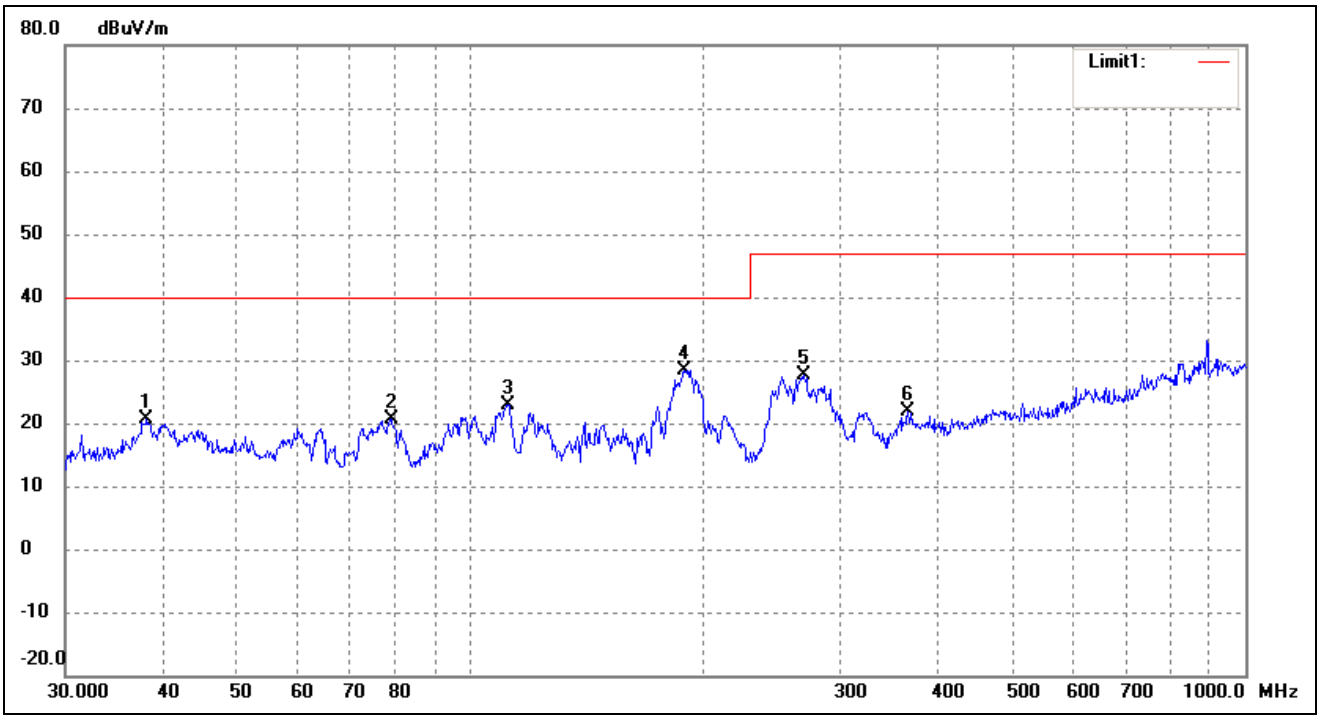
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 100% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	131.7577	35.18	-14.34	20.84	40.00	-19.16	310	100	peak
2	206.3976	37.19	-11.88	25.31	40.00	-14.69	210	100	peak
3	260.1444	36.67	-10.07	26.60	47.00	-20.40	111	100	peak
4	282.9852	35.23	-9.54	25.69	47.00	-21.31	152	100	peak
5	364.2595	32.23	-7.71	24.52	47.00	-22.48	216	100	peak
6	462.3455	30.87	-6.61	24.26	47.00	-22.74	251	100	peak

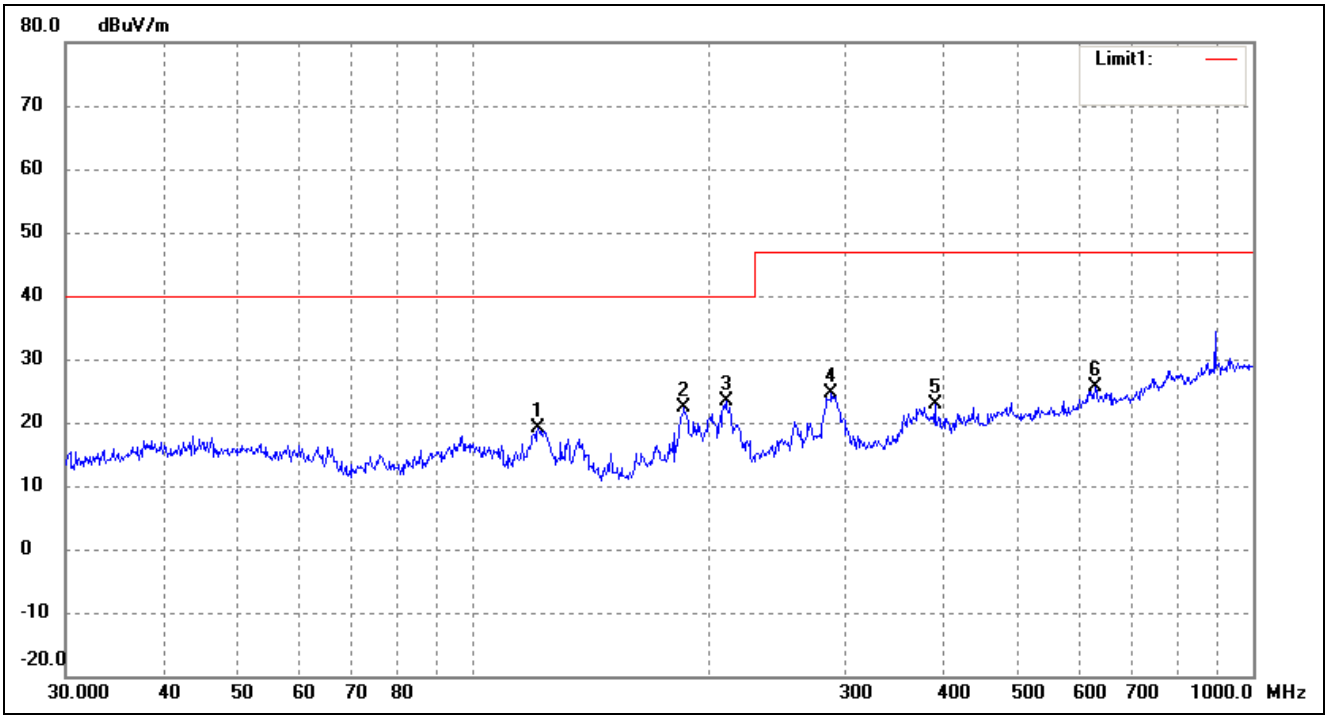
Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	38.2120	31.36	-10.81	20.55	40.00	-19.45	95	100	peak
2	78.9652	38.56	-17.94	20.62	40.00	-19.38	136	100	peak
3	111.7380	35.68	-12.75	22.93	40.00	-17.07	325	100	peak
4	188.4125	41.46	-13.12	28.34	40.00	-11.66	210	100	peak
5	269.4284	37.47	-9.80	27.67	47.00	-19.33	111	100	peak
6	366.8231	29.38	-7.59	21.79	47.00	-25.21	215	100	peak

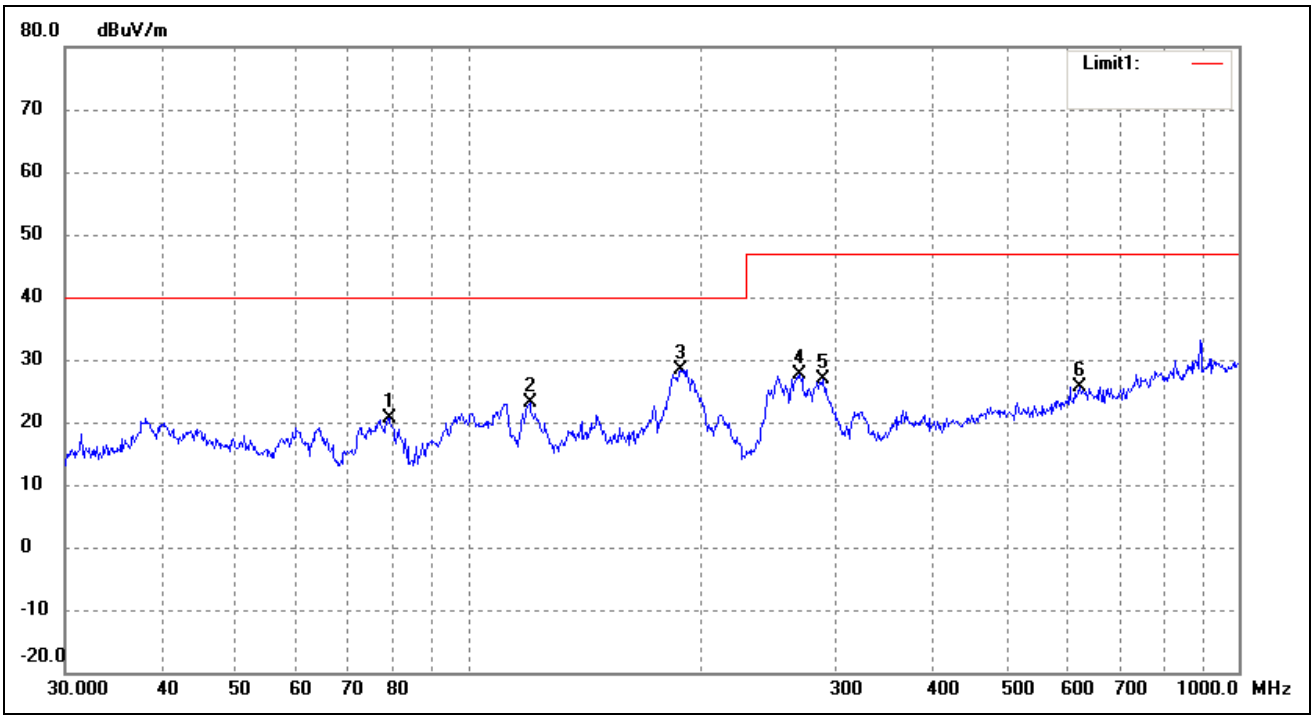
Plot of Radiated Emissions Test Data

EUT: *AC/DC Power supply*
Tested Model: *FCS40US48*
Operating Condition: *Input: 115VAC*
Comment: *Class I; Output grounded ; 50% convection cooled rating*
Additional ferrite allowed on AC input
Test Specification: *Horizontal*



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ( )	Height (cm)	Remark
1	121.1231	32.79	-13.76	19.03	40.00	-20.97	258	100	peak
2	186.4409	35.72	-13.38	22.34	40.00	-17.66	241	100	peak
3	210.7860	35.39	-12.08	23.31	40.00	-16.69	195	100	peak
4	287.9904	34.16	-9.60	24.56	47.00	-22.44	352	100	peak
5	390.7226	30.28	-7.32	22.96	47.00	-24.04	124	100	peak
6	627.2738	28.67	-2.95	25.72	47.00	-21.28	222	100	peak

Test Specification: *Vertical*



No.	Frequency	Reading	Correct	Result	Limit	Margin	Degree	Height	Remark
	(MHz)	(dBuV/m)	dB/m	(dBuV/m)	(dBuV/m)	(dB)	( )	(cm)	
1	78.9652	38.56	-17.94	20.62	40.00	-19.38	22	100	peak
2	120.2766	36.75	-13.72	23.03	40.00	-16.97	123	100	peak
3	188.4125	41.46	-13.12	28.34	40.00	-11.66	352	100	peak
4	269.4284	37.47	-9.80	27.67	47.00	-19.33	101	100	peak
5	289.0021	36.48	-9.62	26.86	47.00	-20.14	255	100	peak
6	620.7096	28.56	-2.82	25.74	47.00	-21.26	104	100	peak

5. Harmonic Current Emissions

5.1 Test Procedure

Test is conducting under the description of EN61000-3-2.

5.2 Test Standards

EN61000-3-2, Clause 7.1 Limits for Class A equipment.

Environmental Conditions

Temperature:	22 °C
Relative Humidity:	48%
ATM Pressure:	1022 mbar

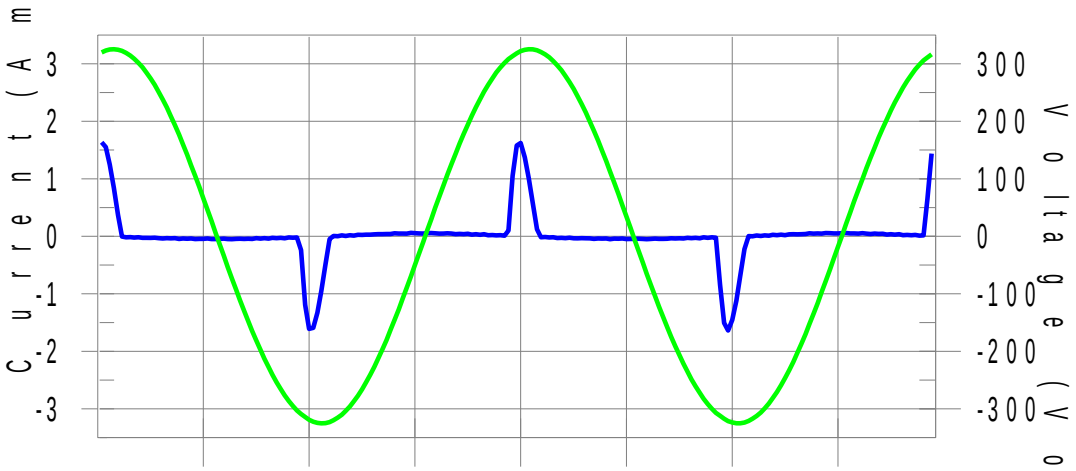
5.3 Harmonic Current Emissions Test Data

Harmonics – Class-A per Ed. 3.2 (Run time)

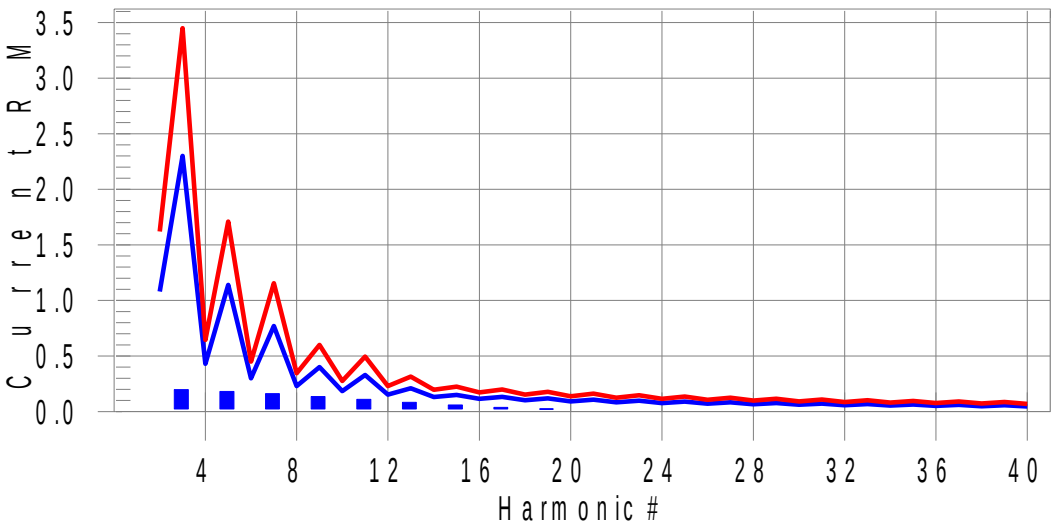
EUT: FCS40US12V **Tested by: GAN**
Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 03:16:06 PM** **End time: 03:18:58 PM**
Test duration (min): 2.5 **Data file name: H-000074.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Source qualification: Normal**

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



Test result: Pass **Worst harmonic was #13 with 39.54% of the limit.**

Current Test Result Summary (Run time)

EUT: FCS40US12V **Tested by: GAN**

Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**

Test date: 2018-08-28 **Start time: 03:16:06 PM** **End time: 03:18:58 PM**

Test duration (min): 2.5 **Data file name: H-000074.cts_data**

Comment: working

Customer: XP Power

Test Result: Pass **Source qualification: Normal**

THC(A): 0.38 **I-THD(%): 179.31** **POHC(A): 0.046** **POHC Limit(A): 0.251**

Highest parameter values during test:

V_RMS (Volts):	**229.93**	**Frequency(Hz):**	**50.00**
I_Peak (Amps):	**1.662**	**I_RMS (Amps):**	**0.433**
I_Fund (Amps):	**0.211**	**Crest Factor:**	**3.851**
Power (Watts):	**46.6**	**Power Factor:**	**0.470**

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	0.0	0.002	1.620	0.10	Pass
3	0.196	2.300	8.5	0.197	3.450	5.72	Pass
4	0.001	0.430	0.0	0.001	0.645	0.20	Pass
5	0.182	1.140	15.9	0.182	1.710	10.62	Pass
6	0.001	0.300	0.0	0.001	0.450	0.22	Pass
7	0.161	0.770	20.9	0.161	1.155	13.96	Pass
8	0.001	0.230	0.0	0.001	0.345	0.26	Pass
9	0.137	0.400	34.1	0.137	0.600	22.78	Pass
10	0.001	0.184	0.0	0.001	0.276	0.33	Pass
11	0.110	0.330	33.3	0.110	0.495	22.25	Pass
12	0.001	0.153	0.0	0.001	0.230	0.39	Pass
13	0.083	0.210	39.5	0.083	0.315	26.46	Pass
14	0.001	0.131	0.0	0.001	0.197	0.43	Pass
15	0.058	0.150	38.8	0.058	0.225	25.98	Pass
16	0.001	0.115	0.0	0.001	0.173	0.50	Pass
17	0.037	0.132	28.3	0.038	0.199	18.90	Pass
18	0.001	0.102	0.0	0.001	0.153	0.55	Pass
19	0.023	0.118	19.5	0.023	0.178	13.09	Pass
20	0.001	0.092	0.0	0.001	0.138	0.60	Pass
21	0.018	0.107	16.7	0.018	0.161	11.20	Pass
22	0.001	0.084	0.0	0.001	0.125	0.59	Pass
23	0.019	0.098	19.6	0.019	0.147	13.11	Pass
24	0.000	0.077	0.0	0.001	0.115	0.56	Pass
25	0.021	0.090	22.8	0.021	0.135	15.27	Pass
26	0.000	0.071	0.0	0.001	0.106	0.51	Pass
27	0.020	0.083	23.6	0.020	0.125	15.83	Pass

28	0.000	0.066	0.0	0.001	0.099	0.51	Pass
29	0.017	0.078	21.6	0.017	0.116	14.53	Pass
30	0.000	0.061	0.0	0.000	0.092	0.51	Pass
31	0.013	0.073	17.4	0.013	0.109	11.65	Pass
32	0.000	0.058	0.0	0.000	0.086	0.54	Pass
33	0.008	0.068	12.3	0.008	0.102	8.29	Pass
34	0.000	0.054	0.0	0.000	0.081	0.51	Pass
35	0.006	0.064	8.8	0.006	0.096	5.97	Pass
36	0.000	0.051	0.0	0.000	0.077	0.54	Pass
37	0.006	0.061	9.4	0.006	0.091	6.35	Pass
38	0.000	0.048	0.0	0.000	0.073	0.52	Pass
39	0.007	0.058	11.8	0.007	0.087	7.88	Pass
40	0.000	0.046	0.0	0.000	0.069	0.51	Pass

Voltage Source Verification Data (Run time)

EUT: FCS40US12V **Tested by: GAN**

Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**

Test date: 2018-08-28 **Start time: 03:16:06 PM** **End time: 03:18:58 PM**

Test duration (min): 2.5 **Data file name: H-000074.cts_data**

Comment: working

Customer: XP Power

Test Result: Pass **Source qualification: Normal**

Highest parameter values during test:

Voltage (Vrms):	**229.93**	**Frequency(Hz):**	**50.00**
I_Peak (Amps):	**1.662**	**I_RMS (Amps):**	**0.433**
I_Fund (Amps):	**0.211**	**Crest Factor:**	**3.851**
Power (Watts):	**46.6**	**Power Factor:**	**0.470**

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.043	0.460	9.34	OK
3	0.567	2.069	27.39	OK
4	0.064	0.460	13.86	OK
5	0.059	0.919	6.37	OK
6	0.033	0.460	7.15	OK
7	0.068	0.690	9.88	OK
8	0.014	0.460	3.12	OK
9	0.076	0.460	16.44	OK
10	0.010	0.460	2.26	OK
11	0.074	0.230	32.40	OK
12	0.010	0.230	4.52	OK
13	0.060	0.230	26.06	OK
14	0.005	0.230	2.17	OK
15	0.049	0.230	21.15	OK
16	0.009	0.230	4.12	OK
17	0.030	0.230	12.94	OK
18	0.009	0.230	3.85	OK
19	0.029	0.230	12.58	OK
20	0.016	0.230	6.93	OK
21	0.019	0.230	8.47	OK
22	0.004	0.230	1.75	OK
23	0.023	0.230	9.98	OK
24	0.003	0.230	1.14	OK
25	0.026	0.230	11.24	OK
26	0.003	0.230	1.14	OK
27	0.029	0.230	12.68	OK

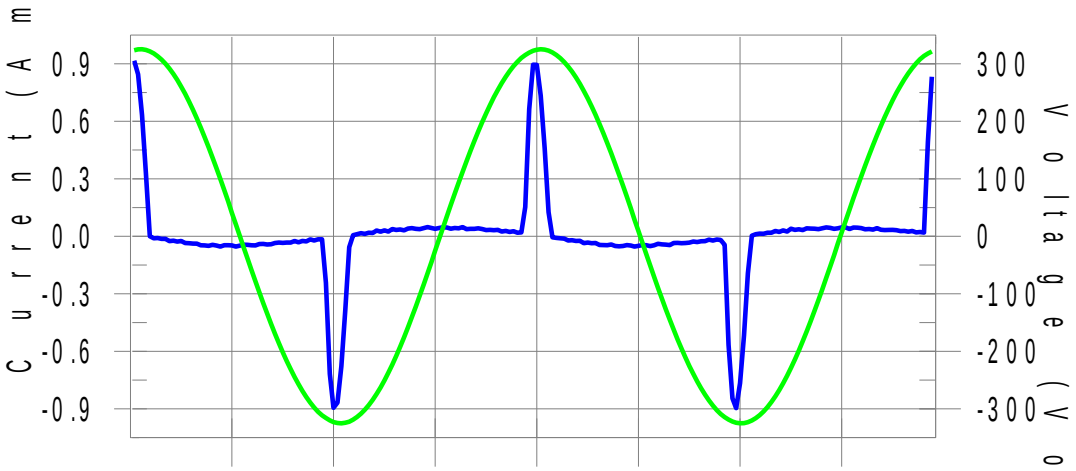
28	**0.004**	**0.230**	**1.55**	**OK**
29	**0.022**	**0.230**	**9.70**	**OK**
30	**0.003**	**0.230**	**1.23**	**OK**
31	**0.019**	**0.230**	**8.07**	**OK**
32	**0.002**	**0.230**	**0.88**	**OK**
33	**0.014**	**0.230**	**5.98**	**OK**
34	**0.002**	**0.230**	**0.96**	**OK**
35	**0.011**	**0.230**	**4.68**	**OK**
36	**0.002**	**0.230**	**1.05**	**OK**
37	**0.013**	**0.230**	**5.51**	**OK**
38	**0.002**	**0.230**	**0.87**	**OK**
39	**0.014**	**0.230**	**6.03**	**OK**
40	**0.008**	**0.230**	**3.36**	**OK**

Harmonics – Class-A per Ed. 3.2 (Run time)

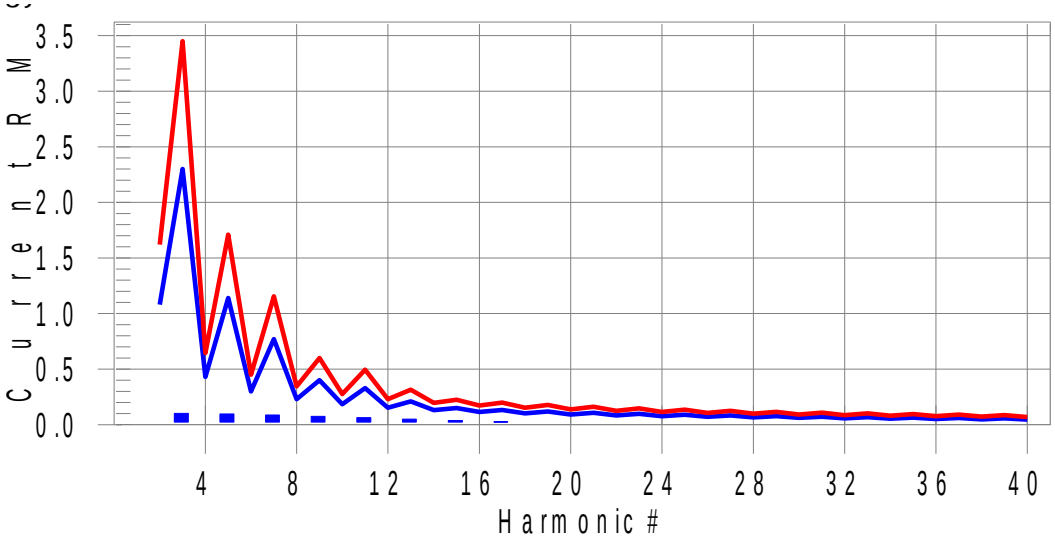
EUT: FCS40US24V **Tested by: GAN**
Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 02:53:15 PM** **End time: 02:55:55 PM**
Test duration (min): 2.5 **Data file name: H-000078.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Source qualification: Normal**

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



Test result: Pass **Worst harmonic was #15 with 25.20% of the limit.**

Current Test Result Summary (Run time)

EUT: FCS40US24V **Tested by: GAN**
Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 02:53:15 PM** **End time: 02:55:55 PM**
Test duration (min): 2.5 **Data file name: H-000078.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Source qualification: Normal**
THC(A): 0.21 **I-THD(%): 182.93** **POHC(A): 0.021** **POHC Limit(A): 0.265**
Highest parameter values during test:

V_RMS (Volts):	**229.93**	**Frequency(Hz):**	**50.00**
I_Peak (Amps):	**0.924**	**I_RMS (Amps):**	**0.236**
I_Fund (Amps):	**0.277**	**Crest Factor:**	**3.923**
Power (Watts):	**24.4**	**Power Factor:**	**0.452**

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	0.0	0.001	1.620	0.08	Pass
3	0.103	2.300	4.5	0.104	3.450	3.01	Pass
4	0.001	0.430	0.0	0.001	0.645	0.18	Pass
5	0.096	1.140	8.4	0.096	1.710	5.63	Pass
6	0.001	0.300	0.0	0.001	0.450	0.19	Pass
7	0.087	0.770	11.3	0.087	1.155	7.56	Pass
8	0.001	0.230	0.0	0.001	0.345	0.21	Pass
9	0.076	0.400	19.0	0.076	0.600	12.69	Pass
10	0.001	0.184	0.0	0.001	0.276	0.26	Pass
11	0.064	0.330	19.3	0.064	0.495	12.88	Pass
12	0.001	0.153	0.0	0.001	0.230	0.30	Pass
13	0.051	0.210	24.1	0.051	0.315	16.11	Pass
14	0.000	0.131	0.0	0.001	0.197	0.28	Pass
15	0.038	0.150	25.2	0.038	0.225	16.89	Pass
16	0.000	0.115	0.0	0.000	0.173	0.27	Pass
17	0.026	0.132	19.7	0.026	0.199	13.20	Pass
18	0.000	0.102	0.0	0.000	0.153	0.29	Pass
19	0.016	0.118	13.4	0.016	0.178	9.06	Pass
20	0.000	0.092	0.0	0.000	0.138	0.32	Pass
21	0.008	0.107	7.8	0.008	0.161	5.27	Pass
22	0.000	0.084	0.0	0.000	0.125	0.32	Pass
23	0.005	0.098	5.5	0.005	0.147	3.69	Pass
24	0.000	0.077	0.0	0.000	0.115	0.35	Pass
25	0.007	0.090	7.8	0.007	0.135	5.29	Pass
26	0.000	0.071	0.0	0.000	0.106	0.34	Pass
27	0.009	0.083	10.6	0.009	0.125	7.10	Pass

28	0.000	0.066	0.0	0.000	0.099	0.37	Pass
29	0.009	0.078	11.9	0.009	0.116	8.00	Pass
30	0.000	0.061	0.0	0.000	0.092	0.33	Pass
31	0.008	0.073	11.6	0.009	0.109	7.82	Pass
32	0.000	0.058	0.0	0.000	0.086	0.34	Pass
33	0.007	0.068	10.0	0.007	0.102	6.80	Pass
34	0.000	0.054	0.0	0.000	0.081	0.25	Pass
35	0.005	0.064	0.0	0.005	0.096	5.07	Pass
36	0.000	0.051	0.0	0.000	0.077	0.25	Pass
37	0.003	0.061	0.0	0.003	0.091	3.20	Pass
38	0.000	0.048	0.0	0.000	0.073	0.30	Pass
39	0.002	0.058	0.0	0.002	0.087	2.13	Pass
40	0.000	0.046	0.0	0.000	0.069	0.31	Pass

Voltage Source Verification Data (Run time)

EUT: FCS40US24V **Tested by: GAN**

Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**

Test date: 2018-08-28 **Start time: 02:53:15 PM** **End time: 02:55:55 PM**

Test duration (min): 2.5 **Data file name: H-000078.cts_data**

Comment: working

Customer: XP Power

Test Result: Pass **Source qualification: Normal**

Highest parameter values during test:

Voltage (Vrms):	**229.93**	**Frequency(Hz):**	**50.00**
I_Peak (Amps):	**0.924**	**I_RMS (Amps):**	**0.236**
I_Fund (Amps):	**0.277**	**Crest Factor:**	**3.923**
Power (Watts):	**24.4**	**Power Factor:**	**0.452**

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.037	0.460	8.02	OK
3	0.564	2.069	27.29	OK
4	0.064	0.460	14.01	OK
5	0.054	0.919	5.88	OK
6	0.036	0.460	7.75	OK
7	0.038	0.690	5.47	OK
8	0.016	0.460	3.45	OK
9	0.048	0.460	10.39	OK
10	0.012	0.460	2.55	OK
11	0.044	0.230	19.12	OK
12	0.010	0.230	4.41	OK
13	0.043	0.230	18.56	OK
14	0.004	0.230	1.75	OK
15	0.029	0.230	12.71	OK
16	0.009	0.230	3.82	OK
17	0.025	0.230	11.00	OK
18	0.010	0.230	4.44	OK
19	0.024	0.230	10.54	OK
20	0.015	0.230	6.55	OK
21	0.014	0.230	6.25	OK
22	0.005	0.230	2.26	OK
23	0.011	0.230	4.65	OK
24	0.003	0.230	1.51	OK
25	0.011	0.230	4.59	OK
26	0.002	0.230	0.91	OK
27	0.017	0.230	7.31	OK

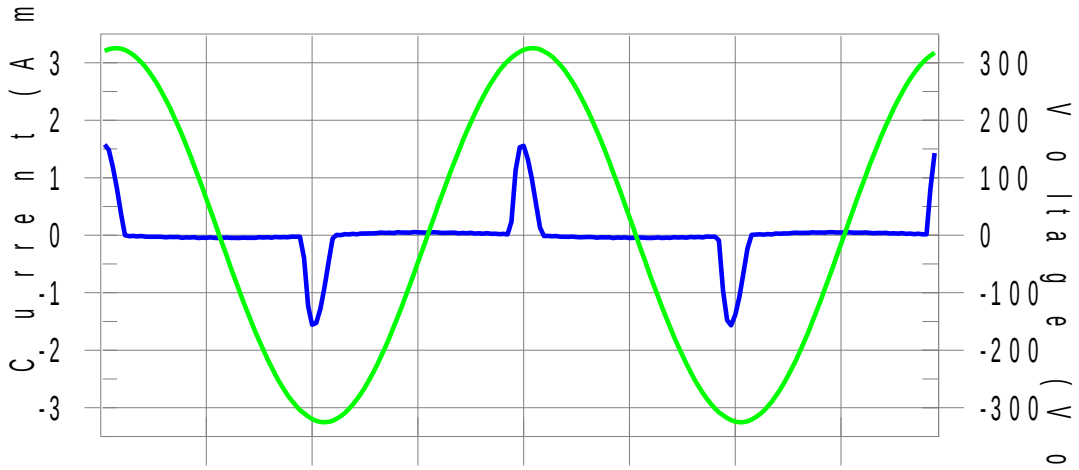
28	**0.004**	**0.230**	**1.73**	**OK**
29	**0.012**	**0.230**	**5.14**	**OK**
30	**0.002**	**0.230**	**1.01**	**OK**
31	**0.013**	**0.230**	**5.56**	**OK**
32	**0.003**	**0.230**	**1.12**	**OK**
33	**0.011**	**0.230**	**4.77**	**OK**
34	**0.002**	**0.230**	**0.94**	**OK**
35	**0.008**	**0.230**	**3.53**	**OK**
36	**0.002**	**0.230**	**1.00**	**OK**
37	**0.005**	**0.230**	**2.17**	**OK**
38	**0.002**	**0.230**	**0.93**	**OK**
39	**0.006**	**0.230**	**2.64**	**OK**
40	**0.008**	**0.230**	**3.50**	**OK**

Harmonics – Class-A per Ed. 3.2 (Run time)

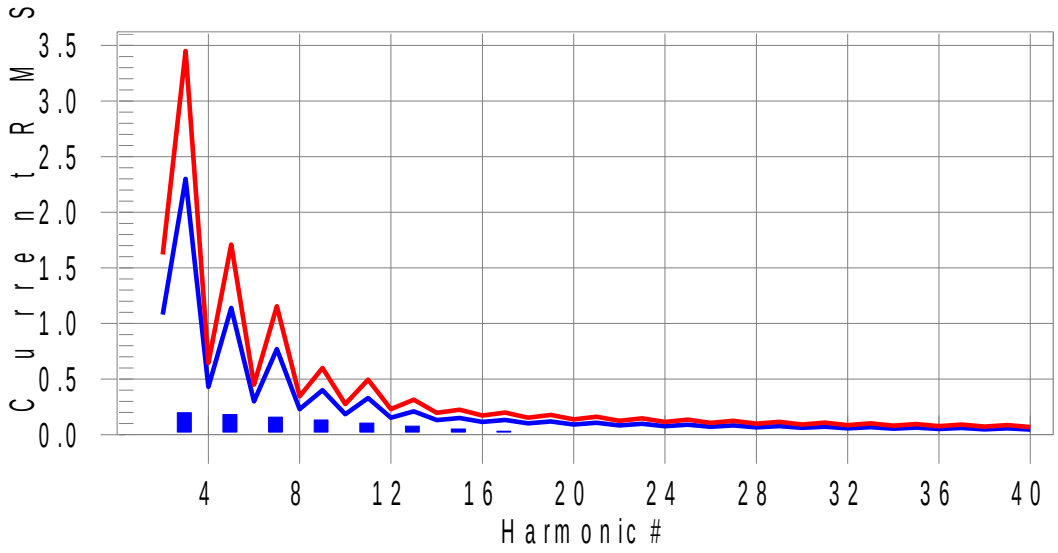
EUT: FCS40US48V **Tested by: GAN**
Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 03:01:15 PM** **End time: 03:04:10 PM**
Test duration (min): 2.5 **Data file name: H-000082.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Source qualification: Normal**

Current & voltage waveforms



Harmonics and Class A limit line **European Limits**



Test result: Pass **Worst harmonic was #13 with 36.44% of the limit.**

Current Test Result Summary (Run time)

EUT: FCS40US48V **Tested by: GAN**
Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 03:01:15 PM** **End time: 03:04:10 PM**
Test duration (min): 2.5 **Data file name: H-000082.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Source qualification: Normal**
THC(A): 0.37 **I-THD(%): 175.31** **POHC(A): 0.043** **POHC Limit(A): 0.251**
Highest parameter values during test:

V_RMS (Volts):	229.92	Frequency(Hz):	50.00
I_Peak (Amps):	1.593	I_RMS (Amps):	0.425
I_Fund (Amps):	0.210	Crest Factor:	3.758
Power (Watts):	46.6	Power Factor:	0.478

Harm#	Harms(avg)	100%Limit	%of Limit	Harms(max)	150%Limit	%of Limit	Status
2	0.001	1.080	0.0	0.002	1.620	0.09	Pass
3	0.196	2.300	8.5	0.197	3.450	5.70	Pass
4	0.001	0.430	0.0	0.001	0.645	0.19	Pass
5	0.180	1.140	15.8	0.180	1.710	10.52	Pass
6	0.001	0.300	0.0	0.001	0.450	0.24	Pass
7	0.158	0.770	20.5	0.158	1.155	13.69	Pass
8	0.001	0.230	0.0	0.001	0.345	0.28	Pass
9	0.132	0.400	33.0	0.132	0.600	22.05	Pass
10	0.001	0.184	0.0	0.001	0.276	0.36	Pass
11	0.104	0.330	31.6	0.104	0.495	21.10	Pass
12	0.001	0.153	0.0	0.001	0.230	0.40	Pass
13	0.077	0.210	36.4	0.077	0.315	24.41	Pass
14	0.001	0.131	0.0	0.001	0.197	0.43	Pass
15	0.051	0.150	34.3	0.052	0.225	23.04	Pass
16	0.001	0.115	0.0	0.001	0.173	0.46	Pass
17	0.031	0.132	23.6	0.032	0.199	15.84	Pass
18	0.001	0.102	0.0	0.001	0.153	0.48	Pass
19	0.019	0.118	15.9	0.019	0.178	10.72	Pass
20	0.001	0.092	0.0	0.001	0.138	0.53	Pass
21	0.017	0.107	15.7	0.017	0.161	10.52	Pass
22	0.000	0.084	0.0	0.001	0.125	0.53	Pass
23	0.019	0.098	19.6	0.019	0.147	13.14	Pass
24	0.000	0.077	0.0	0.001	0.115	0.53	Pass
25	0.020	0.090	22.2	0.020	0.135	14.88	Pass
26	0.000	0.071	0.0	0.001	0.106	0.52	Pass
27	0.018	0.083	21.9	0.018	0.125	14.68	Pass

28	0.000	0.066	0.0	0.001	0.099	0.52	Pass
29	0.014	0.078	18.6	0.015	0.116	12.60	Pass
30	0.000	0.061	0.0	0.000	0.092	0.52	Pass
31	0.010	0.073	13.7	0.010	0.109	9.29	Pass
32	0.000	0.058	0.0	0.000	0.086	0.50	Pass
33	0.006	0.068	9.1	0.006	0.102	6.23	Pass
34	0.000	0.054	0.0	0.000	0.081	0.44	Pass
35	0.005	0.064	8.1	0.005	0.096	5.52	Pass
36	0.000	0.051	0.0	0.000	0.077	0.45	Pass
37	0.006	0.061	10.5	0.006	0.091	7.14	Pass
38	0.000	0.048	0.0	0.000	0.073	0.50	Pass
39	0.007	0.058	12.5	0.007	0.087	8.37	Pass
40	0.000	0.046	0.0	0.000	0.069	0.49	Pass

Voltage Source Verification Data (Run time)

EUT: FCS40US48V **Tested by: GAN**
Test category: Class-A per Ed. 3.2 (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 03:01:15 PM** **End time: 03:04:10 PM**
Test duration (min): 2.5 **Data file name: H-000082.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Source qualification: Normal**

Highest parameter values during test:

Voltage (Vrms):	**229.92**	**Frequency(Hz):**	**50.00**
I_Peak (Amps):	**1.593**	**I_RMS (Amps):**	**0.425**
I_Fund (Amps):	**0.210**	**Crest Factor:**	**3.758**
Power (Watts):	**46.6**	**Power Factor:**	**0.478**

Harm#	Harmonics V-rms	Limit V-rms	% of Limit	Status
2	0.058	0.460	12.52	OK
3	0.568	2.069	27.47	OK
4	0.064	0.460	13.88	OK
5	0.058	0.919	6.29	OK
6	0.034	0.460	7.37	OK
7	0.064	0.690	9.21	OK
8	0.015	0.460	3.20	OK
9	0.073	0.460	15.94	OK
10	0.010	0.460	2.07	OK
11	0.072	0.230	31.23	OK
12	0.010	0.230	4.27	OK
13	0.056	0.230	24.55	OK
14	0.004	0.230	1.95	OK
15	0.044	0.230	18.93	OK
16	0.009	0.230	3.86	OK
17	0.024	0.230	10.40	OK
18	0.009	0.230	3.74	OK
19	0.024	0.230	10.32	OK
20	0.016	0.230	6.95	OK
21	0.018	0.230	7.77	OK
22	0.004	0.230	1.92	OK
23	0.023	0.230	9.90	OK
24	0.003	0.230	1.21	OK
25	0.025	0.230	10.75	OK
26	0.003	0.230	1.17	OK
27	0.027	0.230	11.95	OK

28	**0.004**	**0.230**	**1.59**	**OK**
29	**0.019**	**0.230**	**8.21**	**OK**
30	**0.003**	**0.230**	**1.27**	**OK**
31	**0.015**	**0.230**	**6.55**	**OK**
32	**0.003**	**0.230**	**1.16**	**OK**
33	**0.011**	**0.230**	**4.70**	**OK**
34	**0.002**	**0.230**	**0.91**	**OK**
35	**0.010**	**0.230**	**4.43**	**OK**
36	**0.002**	**0.230**	**1.05**	**OK**
37	**0.014**	**0.230**	**6.02**	**OK**
38	**0.002**	**0.230**	**0.85**	**OK**
39	**0.015**	**0.230**	**6.34**	**OK**
40	**0.008**	**0.230**	**3.31**	**OK**

6. Voltage Fluctuation and Flicker

6.1 Test Procedure

Test is conducting under the description of EN61000-3-3.

6.2 Test Standards

EN61000-3-3, Limit : Clause 5.

Environmental Conditions

Temperature:	22 °C
Relative Humidity:	48%
ATM Pressure:	1022 mbar

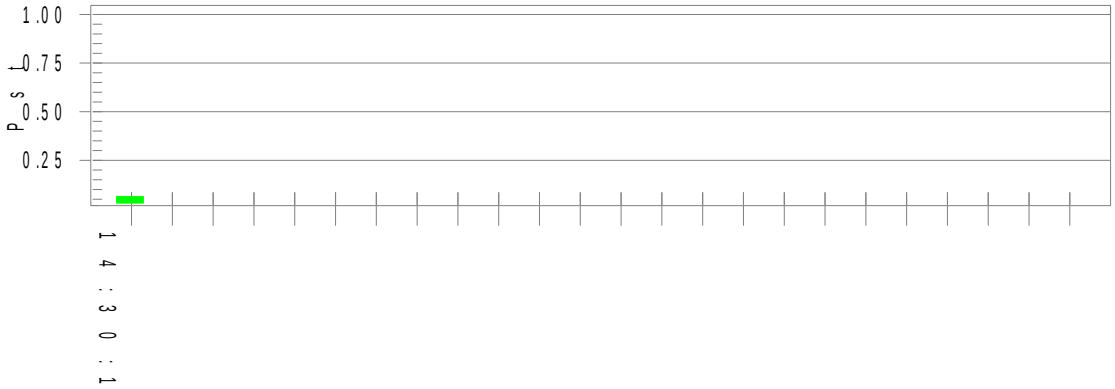
6.3 Voltage Fluctuation and Flicker Test Data

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

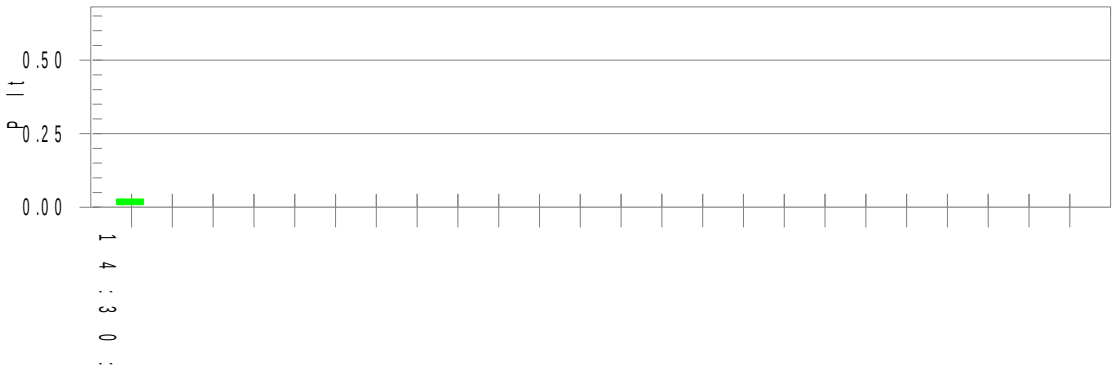
EUT: FCS40US12V **Tested by: GAN**
Test category: All parameters (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 02:19:54 PM** **End time: 02:30:15 PM**
Test duration (min): 10 **Data file name: F-000075.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Status: Test Completed**

Pst_i and limit line **European Limits**



Plt and limit line



Parameter values recorded during the test:

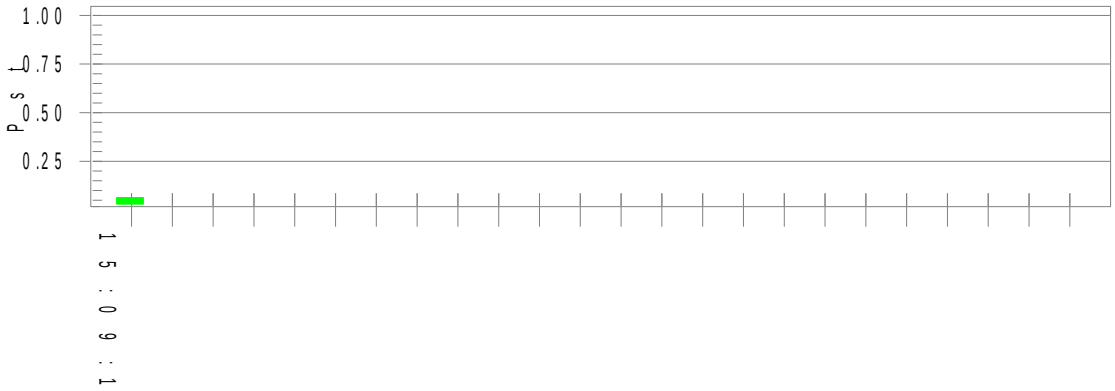
Vrms at the end of test (Volt):	**229.79**			
Highest dt (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Time(mS) > dt:	**0.0**	**Test limit (mS):**	**500.0**	**Pass**
Highest dc (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Highest dmax (%):	**0.00**	**Test limit (%):**	**4.00**	**Pass**
Highest Pst (10 min. period):	**0.064**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.028**	**Test limit:**	**0.650**	**Pass**

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

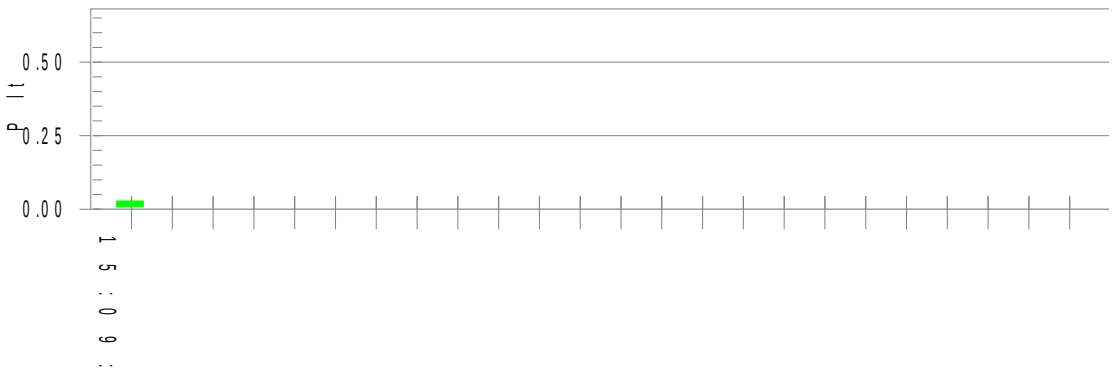
EUT: FCS40US24V **Tested by: GAN**
Test category: All parameters (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 02:58:57 PM** **End time: 03:09:18 PM**
Test duration (min): 10 **Data file name: F-000079.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Status: Test Completed**

Pst_i and limit line **European Limits**



Plt and limit line



Parameter values recorded during the test:

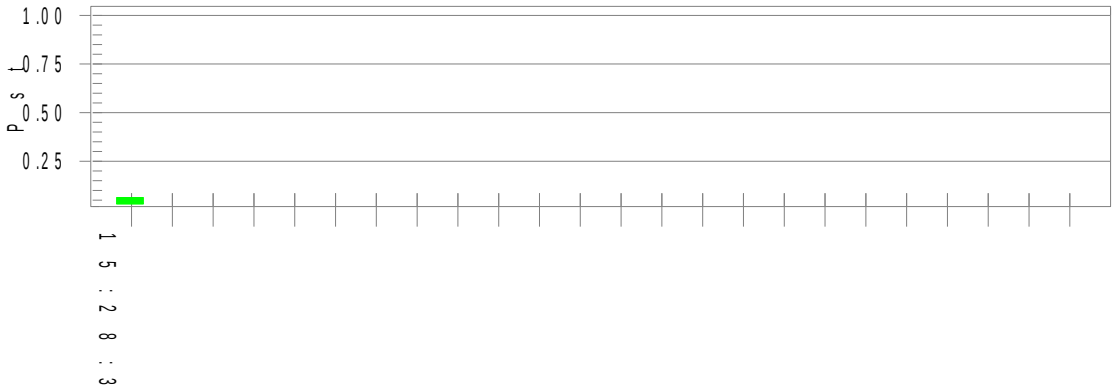
Vrms at the end of test (Volt):	**229.87**			
Highest dt (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Time(mS) > dt:	**0.0**	**Test limit (mS):**	**500.0**	**Pass**
Highest dc (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Highest dmax (%):	**0.00**	**Test limit (%):**	**4.00**	**Pass**
Highest Pst (10 min. period):	**0.064**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.028**	**Test limit:**	**0.650**	**Pass**

Flicker Test Summary per EN/IEC61000-3-3 (Run time)

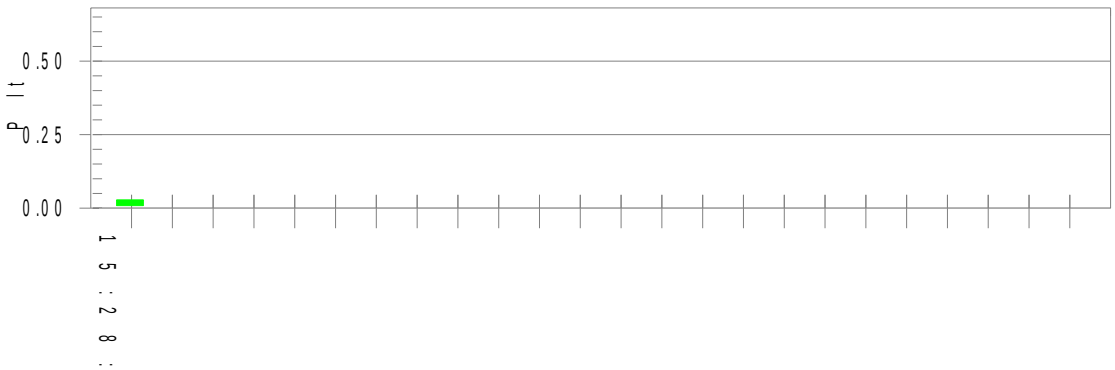
EUT: FCS40US48V **Tested by: GAN**
Test category: All parameters (European limits) **Test Margin: 100**
Test date: 2018-08-28 **Start time: 03:18:14 PM** **End time: 03:28:35 PM**
Test duration (min): 10 **Data file name: F-000081.cts_data**
Comment: working
Customer: XP Power

Test Result: Pass **Status: Test Completed**

Pst_i and limit line **European Limits**



Plt and limit line



Parameter values recorded during the test:

Vrms at the end of test (Volt):	**229.84**			
Highest dt (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Time(mS) > dt:	**0.0**	**Test limit (mS):**	**500.0**	**Pass**
Highest dc (%):	**0.00**	**Test limit (%):**	**3.30**	**Pass**
Highest dmax (%):	**0.00**	**Test limit (%):**	**4.00**	**Pass**
Highest Pst (10 min. period):	**0.064**	**Test limit:**	**1.000**	**Pass**
Highest Plt (2 hr. period):	**0.028**	**Test limit:**	**0.650**	**Pass**

7. Electrostatic Discharges (ESD)

7.1 Test Procedure

Test is conducting under the description of IEC61000-4-2.

Test Performance

Performance Criterion: B

Environmental Conditions

Temperature:	26 °C
Relative Humidity:	55%
ATM Pressure:	1011 mbar

7.2 Electrostatic Discharge Immunity Test Data

EN 55024

Model No: FCS40US12

230VAC input, 100% load, Class I and Class II, Output floating

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
DC Output Port	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Metal shell	A	A	A	A	A	A	A	A	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

EN 55024

Model No: FCS40US24

230VAC input, 100% load, Class I and Class II, Output floating

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
DC Output Port	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Metal shell	A	A	A	A	A	A	A	A	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

EN 55024

Model No: FCS40US48

230VAC input, 100% load, Class I and Class II, Output floating

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
DC Output Port	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Metal shell	A	A	A	A	A	A	A	A	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

EN 60601-1-2

Model No: FCS40US12

230VAC input, 100% load, Class I and Class II, Output floating

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
DC Output Port	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Metal shell	A	A	A	A	A	A	A	A	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

EN 60601-1-2

Model No: FCS40US24

230VAC input, 100% load, Class I and Class II, Output floating

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
DC Output Port	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Metal shell	A	A	A	A	A	A	A	A	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

EN 60601-1-2

Model No: FCS40US48

230VAC input, 100% load, Class I and Class II, Output floating

Table 1: Electrostatic Discharge Immunity (Air Discharge)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
DC Output Port	A	A	A	A	A	A	A	A	A	A

Table 2: Electrostatic Discharge Immunity (Direct Contact)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Metal shell	A	A	A	A	A	A	A	A	/	/

Table 3: Electrostatic Discharge Immunity (Indirect Contact HCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

Table 4: Electrostatic Discharge Immunity (Indirect Contact VCP)

EN 61000-4-2	Test Levels (Kv)									
Test Points	-2	+2	-4	+4	-6	+6	-8	+8	-15	+15
Front Side	A	A	A	A	A	A	A	A	/	/
Top Side	A	A	A	A	A	A	A	A	/	/
Back Side	A	A	A	A	A	A	A	A	/	/
Left Side	A	A	A	A	A	A	A	A	/	/
Right Side	A	A	A	A	A	A	A	A	/	/

Test Result: Pass

8. Continuous Radiated Disturbances (R/S)

8.1 Test Procedure

Test is conducting under the description of IEC61000-4-3.

Test Performance

Performance Criterion: A

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	52%
ATM Pressure:	1010 mbar

8.2 Continuous Radiated Disturbances Test Data

Frequency step: 1% of fundamental
Dwell time: 1 second
Modulation: AM by 1kHz sine wave with 80% modulation depth
EN 60601-1-2 ; EN55024
Model No: FCS40US12
230VAC input, 100% load, Class I and Class II, Output floating

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
80-1000	10	A	A	A	A	A	A	A	A
1000-2700	10	A	A	A	A	A	A	A	A

Modulation: Pulse modulation, 50% duty cycle, repetition frequency 18Hz

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
380-390	27	A	A	A	A	A	A	A	A
430-470	28	A	A	A	A	A	A	A	A
800-960	28	A	A	A	A	A	A	A	A

Modulation: Pulse modulation, 50% duty cycle, repetition frequency 217Hz

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
704-787	9	A	A	A	A	A	A	A	A
1700-1990	28	A	A	A	A	A	A	A	A
2400-2570	28	A	A	A	A	A	A	A	A
5100-5800	9	A	A	A	A	A	A	A	A

Model No: FCS40US24

230VAC input, 100% load, Class I and Class II, Output floating

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
80-1000	10	A	A	A	A	A	A	A	A
1000-2700	10	A	A	A	A	A	A	A	A

Modulation: Pulse modulation, 50% duty cycle, repetition frequency 18Hz

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
380-390	27	A	A	A	A	A	A	A	A
430-470	28	A	A	A	A	A	A	A	A
800-960	28	A	A	A	A	A	A	A	A

Modulation: Pulse modulation, 50% duty cycle, repetition frequency 217Hz

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
704-787	9	A	A	A	A	A	A	A	A
1700-1990	28	A	A	A	A	A	A	A	A
2400-2570	28	A	A	A	A	A	A	A	A
5100-5800	9	A	A	A	A	A	A	A	A

Model No: FCS40US48

230VAC input, 100% load, Class I and Class II, Output floating

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
80-1000	10	A	A	A	A	A	A	A	A
1000-2700	10	A	A	A	A	A	A	A	A

Modulation: Pulse modulation, 50% duty cycle, repetition frequency 18Hz

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
380-390	27	A	A	A	A	A	A	A	A
430-470	28	A	A	A	A	A	A	A	A
800-960	28	A	A	A	A	A	A	A	A

Modulation: Pulse modulation, 50% duty cycle, repetition frequency 217Hz

Frequency Range(MHz)	Field (V/m)	Front		Rear		Left Side		Right Side	
		VERT	HORI	VERT	HORI	VERT	HORI	VERT	HORI
704-787	9	A	A	A	A	A	A	A	A
1700-1990	28	A	A	A	A	A	A	A	A
2400-2570	28	A	A	A	A	A	A	A	A
5100-5800	9	A	A	A	A	A	A	A	A

Test Result: Pass

Note:The test was tested by TUV SUD and it Registration number:L4287

9. Electrical Fast Transients (EFT)

9.1 Test Procedure

Test is conducting under the description of IEC61000-4-4.

Test Performance

Performance Criterion: B

Environmental Conditions

Temperature:	22 °C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

9.2 Electrical Fast Transients Test Data

EN 60601 ; EN55024
100kHz repetition frequency
Model No: FCS40US12
230VAC input, 100% load, Class I and Class II, Output floating

EN 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply Power Port of EUT	L1	A	A	A	A	A	A	/	/
	L2	A	A	A	A	A	A	/	/
	PE	A	A	A	A	A	A	/	/
	L1+L2	A	A	A	A	A	A	/	/
	L1 + PE	A	A	A	A	A	A	/	/
	L2 + PE	A	A	A	A	A	A	/	/
	L1+L2+PE	A	A	A	A	A	A	/	/
Signal ports		/	/	/	/	/	/	/	/

Model No: FCS40US12

230VAC input, 100% load, Class I, Output Grounded

EN 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply Power Port of EUT	L1	A	A	A	A	A	A	/	/
	L2	A	A	A	A	A	A	/	/
	PE	A	A	A	A	A	A		/
	L1+L2	A	A	A	A	A	A	/	/
	L1 + PE	A	A	A	A	A	A	/	/
	L2 + PE	A	A	A	A	A	A	/	/
	L1+L2+PE	A	A	A	A	A	A	/	/
Signal ports		/	/	/	/	/	/	/	/

100kHz repetition frequency

Model No: FCS40US24

230VAC input, 100% load, Class I and Class II, Output floating

EN 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply Power Port of EUT	L1	A	A	A	A	A	A	/	/
	L2	A	A	A	A	A	A	/	/
	PE	A	A	A	A	A	A	/	/
	L1+L2	A	A	A	A	A	A	/	/
	L1 + PE	A	A	A	A	A	A	/	/
	L2 + PE	A	A	A	A	A	A	/	/
	L1+L2+PE	A	A	A	A	A	A	/	/
Signal ports		/	/	/	/	/	/	/	/

Model No: FCS40US24

230VAC input, 100% load, Class I, Output Grounded

EN 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply Power Port of EUT	L1	A	A	A	A	A	A	/	/
	L2	A	A	A	A	A	A	/	/
	PE	A	A	A	A	A	A		/
	L1+L2	A	A	A	A	A	A	/	/
	L1 + PE	A	A	A	A	A	A	/	/
	L2 + PE	A	A	A	A	A	A	/	/
	L1+L2+PE	A	A	A	A	A	A	/	/
Signal ports		/	/	/	/	/	/	/	/

100kHz repetition frequency

Model No: FCS40US48

230VAC input, 100% load, Class I and Class II, Output floating

EN 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply Power Port of EUT	L1	A	A	A	A	A	A	/	/
	L2	A	A	A	A	A	A	/	/
	PE	A	A	A	A	A	A	/	/
	L1+L2	A	A	A	A	A	A	/	/
	L1 + PE	A	A	A	A	A	A	/	/
	L2 + PE	A	A	A	A	A	A	/	/
	L1+L2+PE	A	A	A	A	A	A	/	/
Signal ports		/	/	/	/	/	/	/	/

Model No: FCS40US48

230VAC input, 100% load, Class I, Output Grounded

EN 61000-4-4 Test Points		Test Levels (kV)							
		+0.5	-0.5	+1.0	-1.0	+2.0	-2.0	+4.0	-4.0
Power Supply Power Port of EUT	L1	A	A	A	A	A	A	/	/
	L2	A	A	A	A	A	A	/	/
	PE	A	A	A	A	A	A	/	/
	L1+L2	A	A	A	A	A	A	/	/
	L1 + PE	A	A	A	A	A	A	/	/
	L2 + PE	A	A	A	A	A	A	/	/
	L1+L2+PE	A	A	A	A	A	A	/	/
Signal ports		/	/	/	/	/	/	/	/

Test Result: Pass

10. Surges

10.1 Test Procedure

Test is conducting under the description of IEC 61000-4-5.

Test Performance

Performance Criterion: B

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

10.2 Surge Test Data

EN 60601 ; EN 55024
Model No: FCS40US12
230VAC input, 100% load, Class I and Class II, Output floating

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	L-N	A	/
2	1kV	±	L-N	A	/
3	0.5kV	±	L-PE, N-PE	A	/
4	1 kV	±	L-PE, N-PE	A	/
5	2kV	±	L-PE, N-PE	A	/

Model No: FCS40US12
230VAC input, 100% load, Class I, Output Grounded

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	L-N	A	/
2	1kV	±	L-N	A	/
3	0.5kV	±	L-PE, N-PE	A	/
4	1 kV	±	L-PE, N-PE	A	/
5	2kV	±	L-PE, N-PE	A	/

Model No: FCS40US24

230VAC input, 100% load, Class I and Class II, Output floating

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	L-N	A	/
2	1kV	±	L-N	A	/
3	0.5kV	±	L-PE, N-PE	A	/
4	1 kV	±	L-PE, N-PE	A	/
5	2kV	±	L-PE, N-PE	A	/

Model No: FCS40US24

230VAC input, 100% load, Class I, Output Grounded

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	L-N	A	/
2	1kV	±	L-N	A	/
3	0.5kV	±	L-PE, N-PE	A	/
4	1 kV	±	L-PE, N-PE	A	/
5	2kV	±	L-PE, N-PE	A	/

Model No: FCS40US48

230VAC input, 100% load, Class I and Class II, Output floating

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	L-N	A	/
2	1kV	±	L-N	A	/
3	0.5kV	±	L-PE, N-PE	A	/
4	1 kV	±	L-PE, N-PE	A	/
5	2kV	±	L-PE, N-PE	A	/

Model No: FCS40US48

230VAC input, 100% load, Class I, Output Grounded

Level	Voltage	Poll	Path	Pass	Fail
1	0.5kV	±	L-N	A	/
2	1kV	±	L-N	A	/
3	0.5kV	±	L-PE, N-PE	A	/
4	1 kV	±	L-PE, N-PE	A	/
5	2kV	±	L-PE, N-PE	A	/

Test Result: Pass

11. Continuous Conducted Disturbances (C/S)

11.1 Test Procedure

Test is conducting under the description of IEC 61000-4-6.

Test Performance

Performance Criterion: A

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	53%
ATM Pressure:	1011 mbar

11.2 Continuous Conducted Disturbances Test Data

EN 60601 ; EN 55024
Sweep frequency range: 150kHz~80MHz
Frequency step: 1% of fundamental
Dwell time: 1 second
Model No: FCS40US12
230VAC input, 100% load, Class I and Class II, Output floating

Level	Voltage Level (e.m.f.) U_0	Modulation:	Pass	Fail
1	1	AM 80%, 1kHz sinewave	/	/
2	3	AM 80%, 1kHz sinewave	/	/
3	10	AM 80%, 1kHz sinewave	A	/
X	Special	/	/	/

Model No: FCS40US24
230VAC input, 100% load, Class I and Class II, Output floating

Level	Voltage Level (e.m.f.) U_0	Modulation:	Pass	Fail
1	1	AM 80%, 1kHz sinewave	/	/
2	3	AM 80%, 1kHz sinewave	/	/
3	10	AM 80%, 1kHz sinewave	A	/
X	Special	/	/	/

Model No: FCS40US48

230VAC input, 100% load, Class I and Class II, Output floating

Level	Voltage Level (e.m.f.) U_0	Modulation:	Pass	Fail
1	1	AM 80%, 1kHz sinewave	/	/
2	3	AM 80%, 1kHz sinewave	/	/
3	10	AM 80%, 1kHz sinewave	A	/
X	Special	/	/	/

Test Result: Pass

12. Power-Frequency Magnetic Fields (PFMF)

12.1 Test Procedure

Test is conducting under the description of IEC 61000-4-8.

Test Performance

Performance Criterion: A

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

12.2 Power-Frequency Magnetic Field Test Data

EN 60601 ; EN 55024

Model No: FCS40US12

230VAC input, 100% load, Class I and Class II, Output floating

Level	Magnetic Field Strength (r.m.s) A/m	Frequency Hz	Induction Coil Postion	Pass	Fail
1	1	50	X, Y, Z	/	/
2	3	50	X, Y, Z	/	/
3	10	50	X, Y, Z	/	/
4	30	50	X, Y, Z	A	/
X	Special	/		/	/

Model No: FCS40US24

230VAC input, 100% load, Class I and Class II, Output floating

Level	Magnetic Field Strength (r.m.s) A/m	Frequency Hz	Induction Coil Postion	Pass	Fail
1	1	50	X, Y, Z	/	/
2	3	50	X, Y, Z	/	/
3	10	50	X, Y, Z	/	/
4	30	50	X, Y, Z	A	/
X	Special	/		/	/

Model No: FCS40US48

230VAC input, 100% load, Class I and Class II, Output floating

Level	Magnetic Field Strength (r.m.s) A/m	Frequency Hz	Induction Coil Postion	Pass	Fail
1	1	50	X, Y, Z	/	/
2	3	50	X, Y, Z	/	/
3	10	50	X, Y, Z	/	/
4	30	50	X, Y, Z	A	/
X	Special	/		/	/

Test Result: Pass

Note:The test was tested by TUV SUD and it Registration number:L4287

13. Voltage Dips and Interruptions

13.1 Test Procedure

Test is conducting under the description of IEC 61000-4-11.

Test Performance

Performance Criterion: B/C

Environmental Conditions

Temperature:	25 °C
Relative Humidity:	50%
ATM Pressure:	1011 mbar

13.2 Voltage Dips And Interruptions Test Data

U: Voltage dips in % U_T (U_T is rated voltage for the EUT)
T: Test duration
EN60601
Model No: FCS40US12
240VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	30%	500ms	0/45/90/135/180/225/270/315	3	A	/
2	60%	100ms	0/45/90/135/180/225/270/315	3	A	/
3	100%	10ms	0/45/90/135/180/225/270/315	3	A	/
4	100%	20ms	0/45/90/135/180/225/270/315	3	A	/
5	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

100VAC input, 100% load, Class I and Class II, Output floating

EN60601-1-2:2007		Time	Cycles	Performance Criteria	Derating Notes	Pass	Fail
IP/Voltage(100V/50Hz)	Dip%						
0V	100%	10ms	0.5	A	80%load	A	/
0V	100%	20ms	1	A	50%load	A	/
40V	60%	100ms	5	A	25%load	A	/
70V	30%	500ms	25	A		A	/
IP/Voltage(100V/50Hz)	Interrupt%	Time	Cycles	Performance Criteria	Notes	/	/
0	100%	5000ms	250	B		B	/

Model No: FCS40US24

240VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	30%	500ms	0/45/90/135/180/225/270/315	3	A	/
2	60%	100ms	0/45/90/135/180/225/270/315	3	A	/
3	100%	10ms	0/45/90/135/180/225/270/315	3	A	/
4	100%	20ms	0/45/90/135/180/225/270/315	3	A	/
5	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

100VAC input, 100% load, Class I and Class II, Output floating

EN60601-1-2:2007		Time	Cycles	Performance Criteria	Derating Notes	Pass	Fail
IP/Voltage(100V/50Hz)	Dip%						
0V	100%	10ms	0.5	A	80%load	A	/
0V	100%	20ms	1	A	50%load	A	/
40V	60%	100ms	5	A	25%load	A	/
70V	30%	500ms	25	A		A	/
IP/Voltage(100V/50Hz)	Interrupt%	Time	Cycles	Performance Criteria	Notes	/	/
0	100%	5000ms	250	B		B	/

Model No: FCS40US48

240VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	30%	500ms	0/45/90/135/180/225/270/315	3	A	/
2	60%	100ms	0/45/90/135/180/225/270/315	3	A	/
3	100%	10ms	0/45/90/135/180/225/270/315	3	A	/
4	100%	20ms	0/45/90/135/180/225/270/315	3	A	/
5	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

100VAC input, 100% load, Class I and Class II, Output floating

EN60601-1-2:2007		Time	Cycles	Performance Criteria	Derating Notes	Pass	Fail
IP/Voltage(100V/50Hz)	Dip%						
0V	100%	10ms	0.5	A	80%load	A	/
0V	100%	20ms	1	A	50%load	A	/
40V	60%	100ms	5	A	25%load	A	/
70V	30%	500ms	25	A		A	/
IP/Voltage(100V/50Hz)	Interrupt%	Time	Cycles	Performance Criteria	Notes	/	/
0	100%	5000ms	250	B		B	/

EN 55024

Model No: FCS40US12

240VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	10ms	0/45/90/135/180/225/270/315	3	A	/
5	100%	20ms	0/45/90/135/180/225/270/315	3	B	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

115VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	16.7ms	0/45/90/135/180/225/270/315	3	B	/
5	100%	8.4ms	0/45/90/135/180/225/270/315	3	A	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

100VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	16.7ms	0/45/90/135/180/225/270/315	3	B	/
5	100%	8.4ms	0/45/90/135/180/225/270/315	3	A	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

Model No: FCS40US24

240VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	10ms	0/45/90/135/180/225/270/315	3	A	/
5	100%	20ms	0/45/90/135/180/225/270/315	3	B	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

115VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	16.7ms	0/45/90/135/180/225/270/315	3	B	/
5	100%	8.4ms	0/45/90/135/180/225/270/315	3	A	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

100VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	16.7ms	0/45/90/135/180/225/270/315	3	B	/
5	100%	8.4ms	0/45/90/135/180/225/270/315	3	A	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

Model No: FCS40US48

240VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	10ms	0/45/90/135/180/225/270/315	3	A	/
5	100%	20ms	0/45/90/135/180/225/270/315	3	B	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

115VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	16.7ms	0/45/90/135/180/225/270/315	3	B	/
5	100%	8.4ms	0/45/90/135/180/225/270/315	3	A	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

100VAC input, 100% load, Class I and Class II, Output floating

Level	U	T	Phase Angle	N	Pass	Fail
1	20%	5000ms	0/45/90/135/180/225/270/315	3	B	/
2	30%	500ms	0/45/90/135/180/225/270/315	3	B	/
3	60%	200ms	0/45/90/135/180/225/270/315	3	B	/
4	100%	16.7ms	0/45/90/135/180/225/270/315	3	B	/
5	100%	8.4ms	0/45/90/135/180/225/270/315	3	A	/
6	100%	5000ms	0/45/90/135/180/225/270/315	3	B	/

Test Result: Pass

EXHIBIT 1 - PRODUCT LABELING

Proposed CE Label Format

AC/DC Power supply
Model: FCS40US12
Brand: XP Power
Importer Name: XXX
Importer Address: XXX
XP Power
Unit 19, Fyfield Business Centre, Fyfield, Ongar, UK.

AC/DC Power supply
Model: FCS40US24
Brand: XP Power
Importer Name: XXX
Importer Address: XXX
XP Power
Unit 19, Fyfield Business Centre, Fyfield, Ongar, UK.

AC/DC Power supply
Model: FCS40US48
Brand: XP Power
Importer Name: XXX
Importer Address: XXX
XP Power
Unit 19, Fyfield Business Centre, Fyfield, Ongar, UK.

Specifications: Text is Black in color and is justified. Labels are printed in indelible ink on permanent adhesive backing or silk-screened onto the EUT or shall be affixed at a conspicuous location on the EUT. The 'CE' marking must be affixed to the EUT or to its data plate. Where this is not possible or not warranted on account of the nature of the apparatus, it must be affixed to the packaging, if any, and to the accompanying documents. The 'CE' marking is allowed less than 5 mm but must clear. If the 'CE' marking is reduced or enlarged the proportions given in the above graduated drawing must be respected. The Importer name, address and Manufacturer name and address should indicate on marking label or packaging or in a document accompanying

Proposed Label Location on EUT

CE Label Location

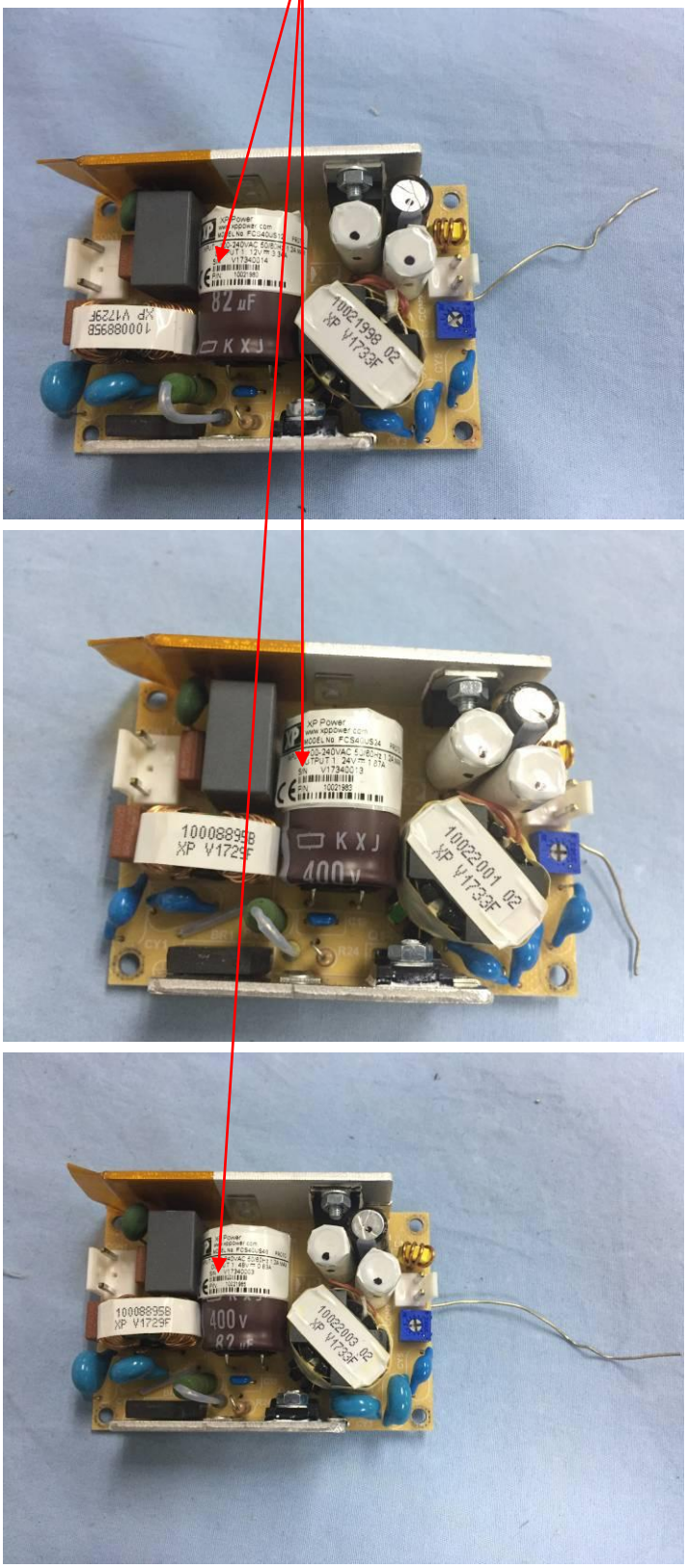
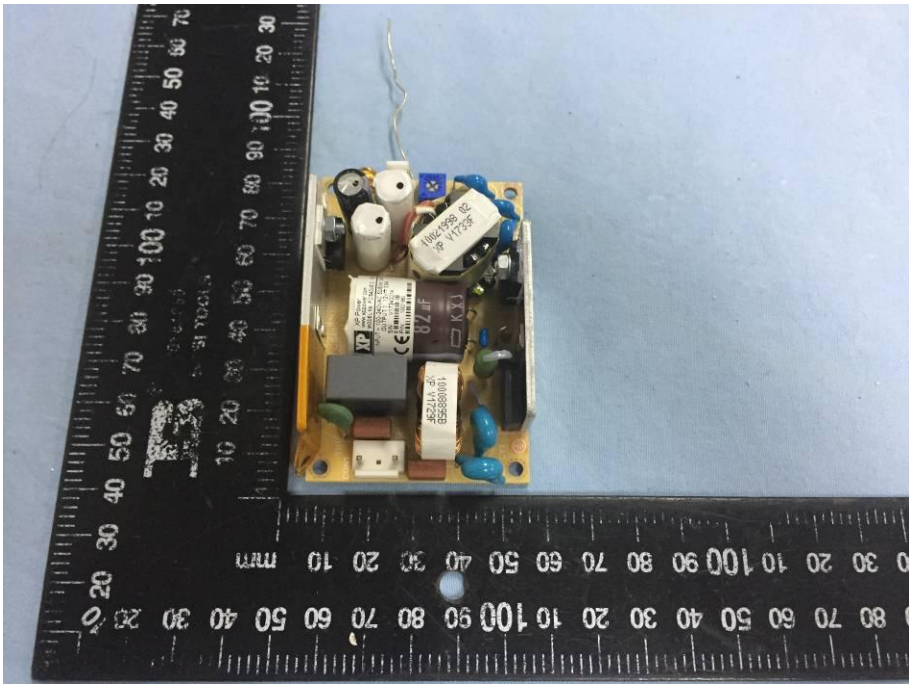


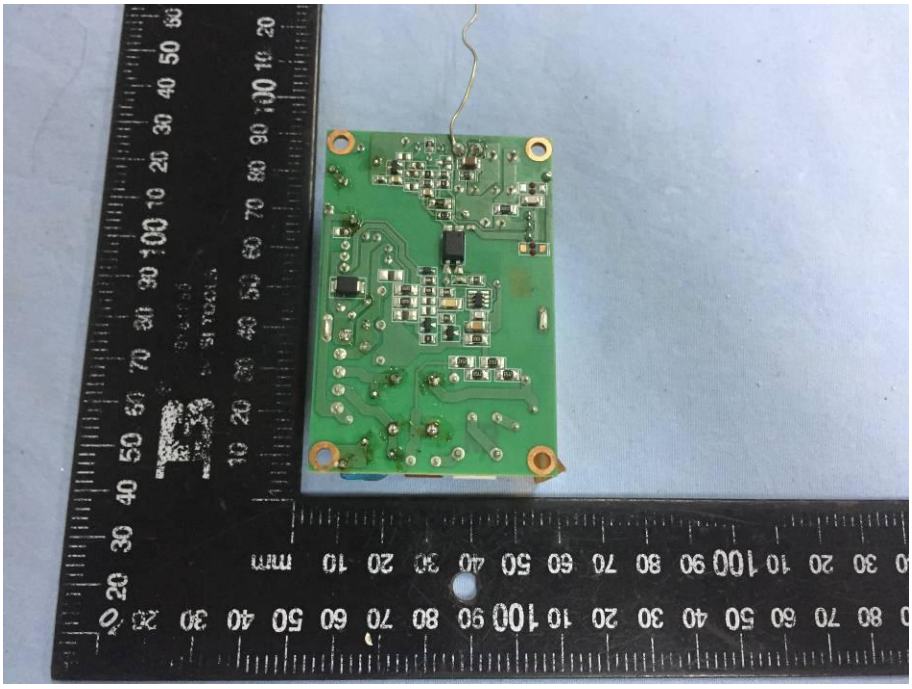
EXHIBIT 2 - EUT PHOTOGRAPHS

Model No: FCS40US12

EUT View 1

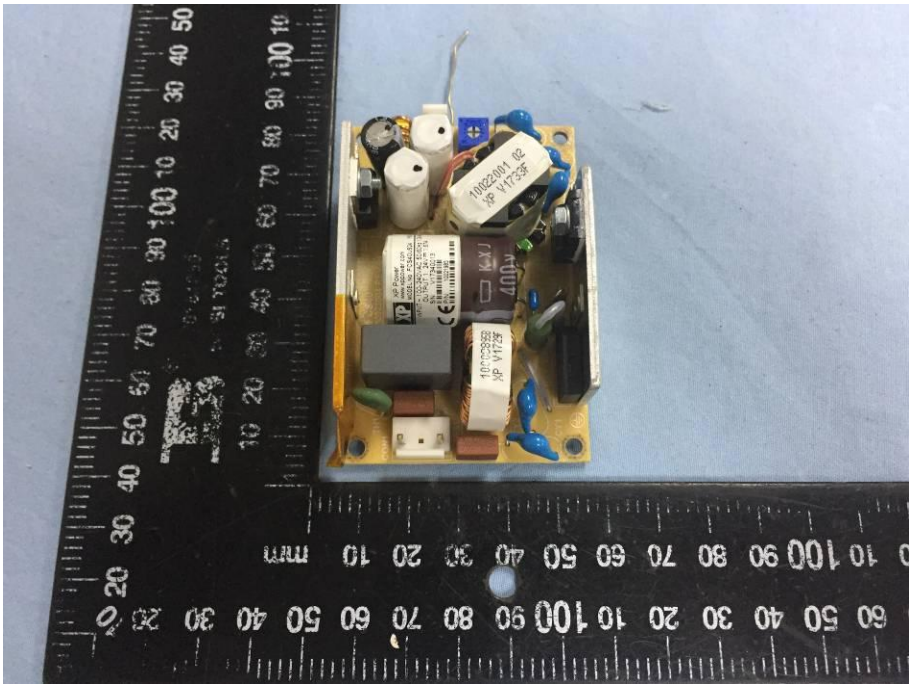


EUT View 2

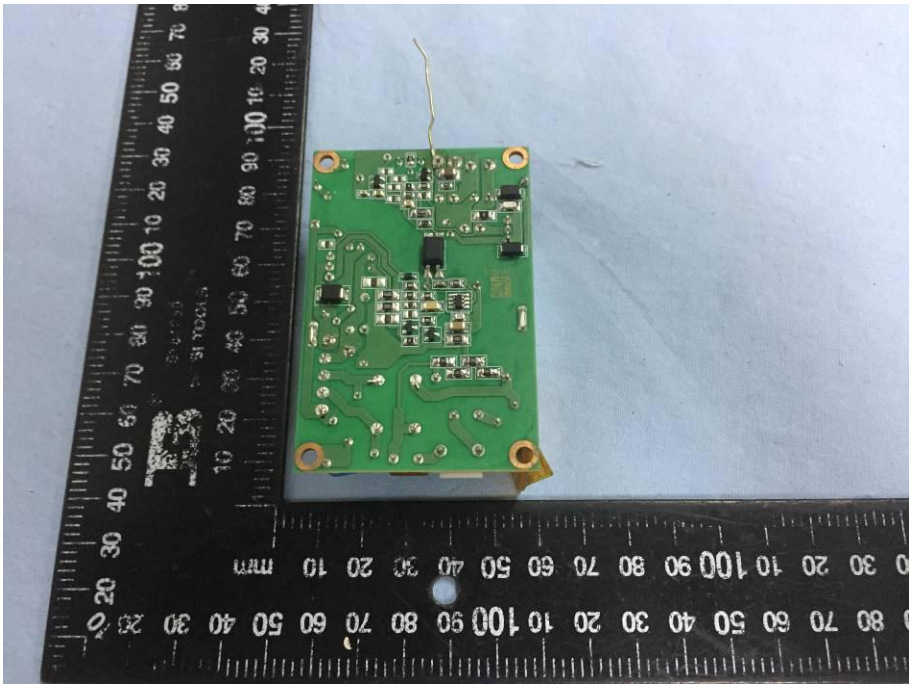


Model No: FCS40US24

EUT View 1

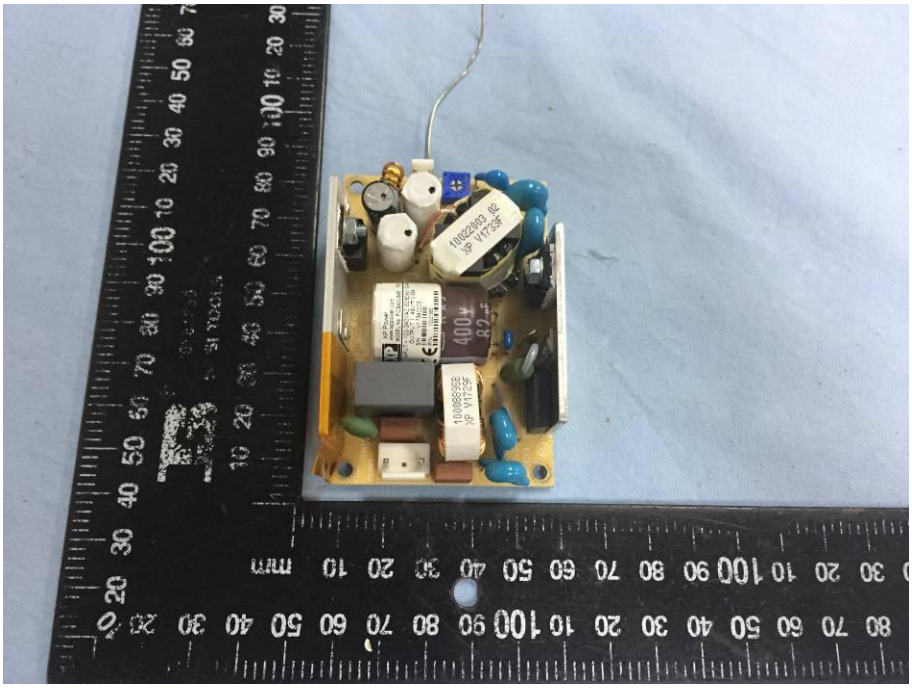


EUT View 2



Model No: FCS40US48

EUT View 1



EUT View 2

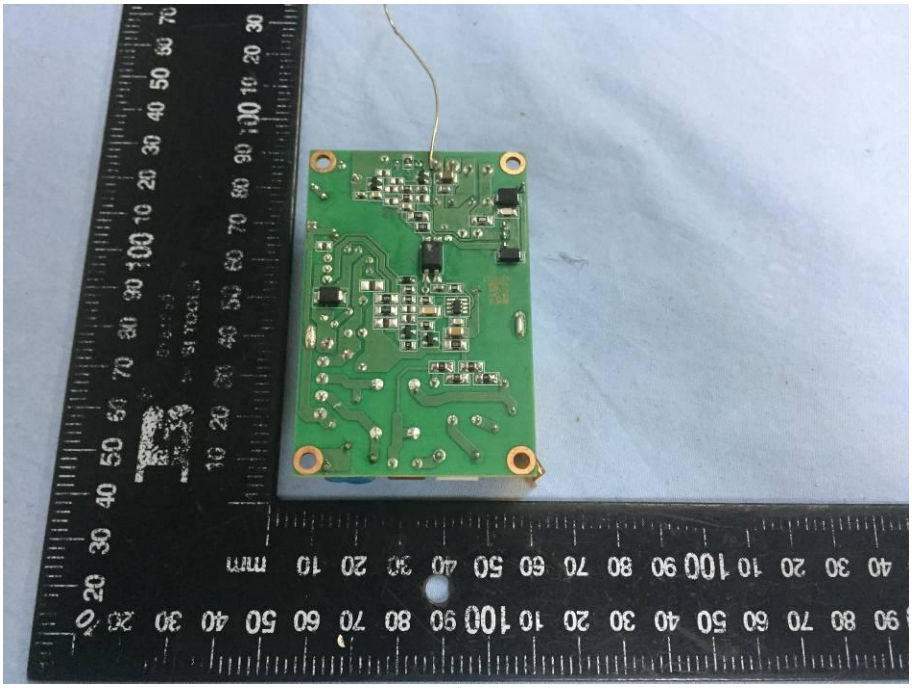
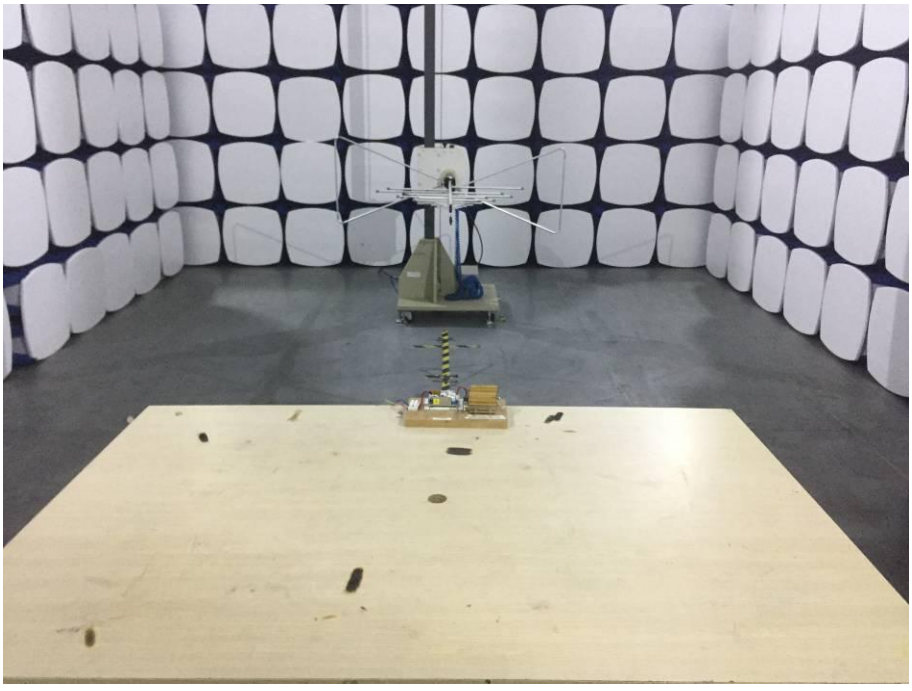


EXHIBIT 3 - TEST SETUP PHOTOGRAPHS

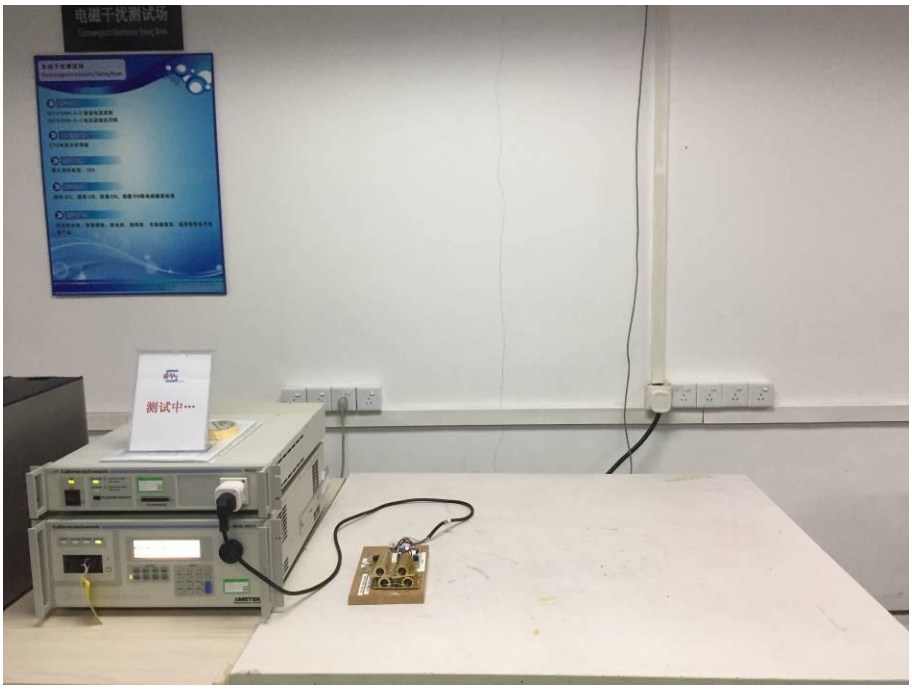
Model No: FCS40US12

Conduction Emission Test View

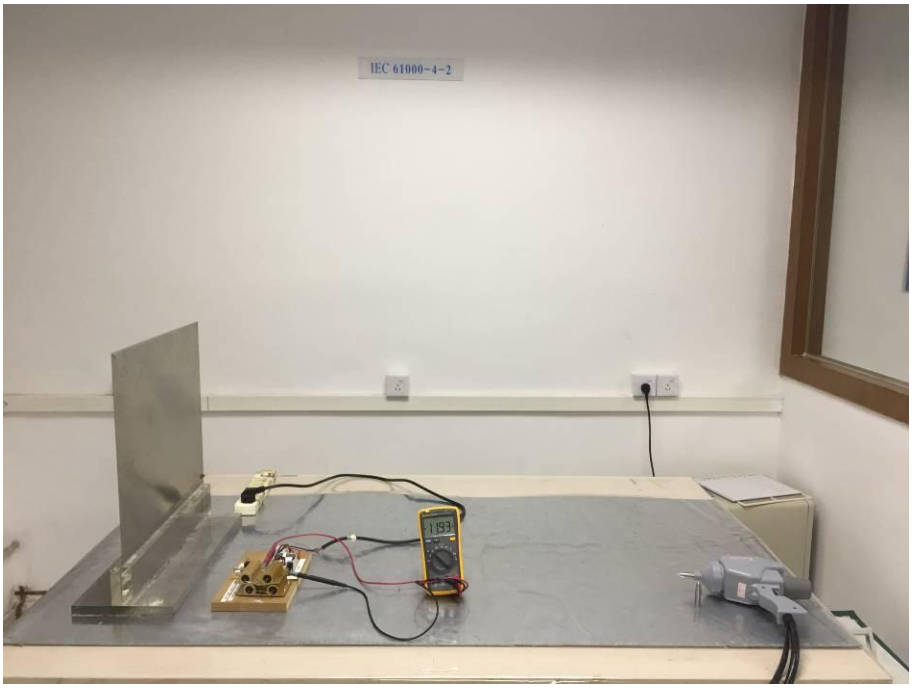
Radiation Emission Test View



Harmonic/Flicker Test View



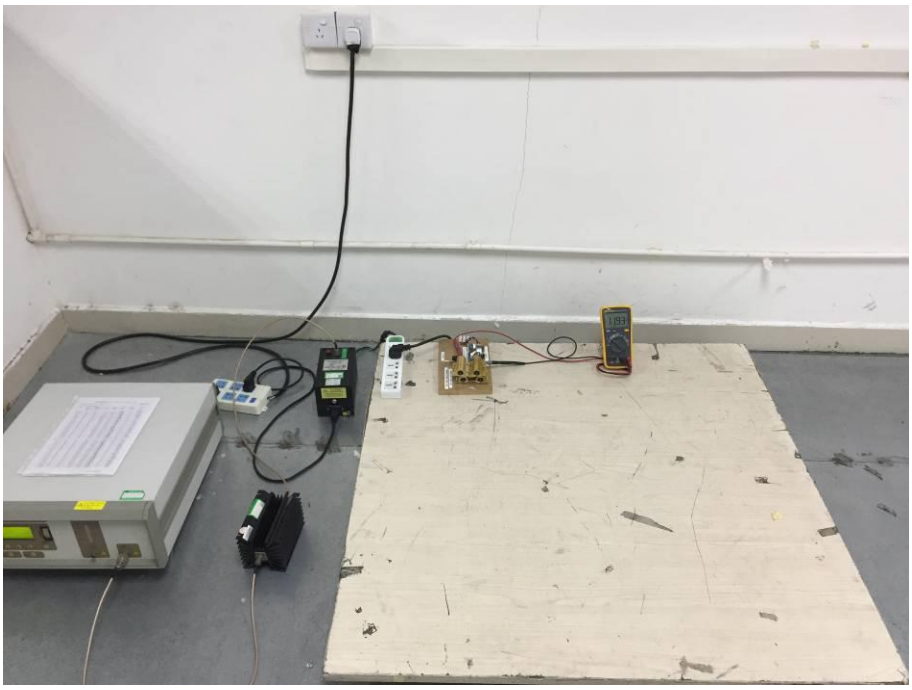
IEC61000-4-2 Test View



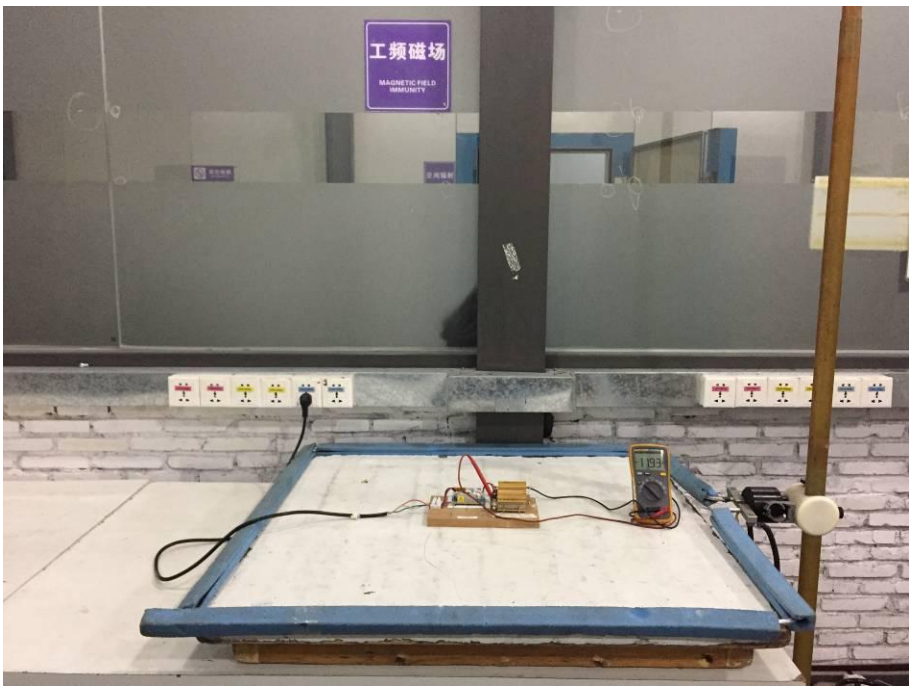
IEC61000-4-3 Test View

IEC61000-4-4/5/11 Test View

IEC61000-4-6 Test View

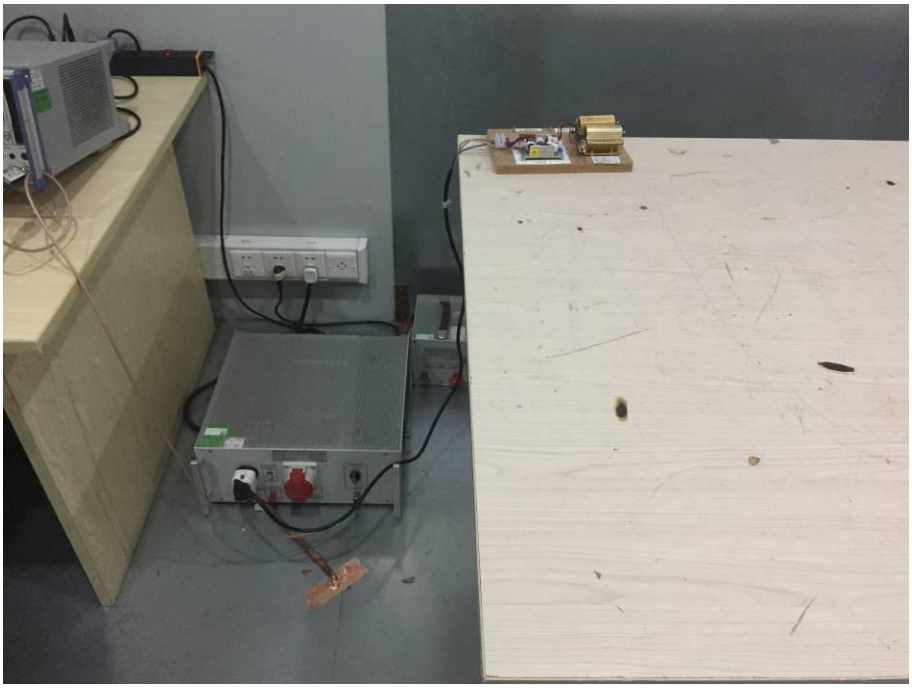


IEC61000-4-8 Test View

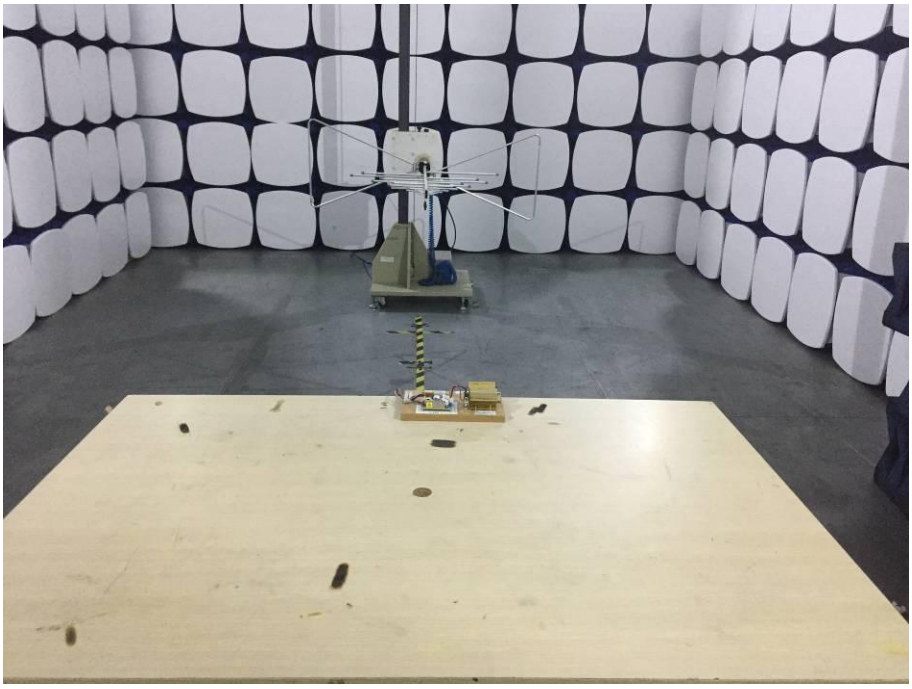


Model No: FCS40US24

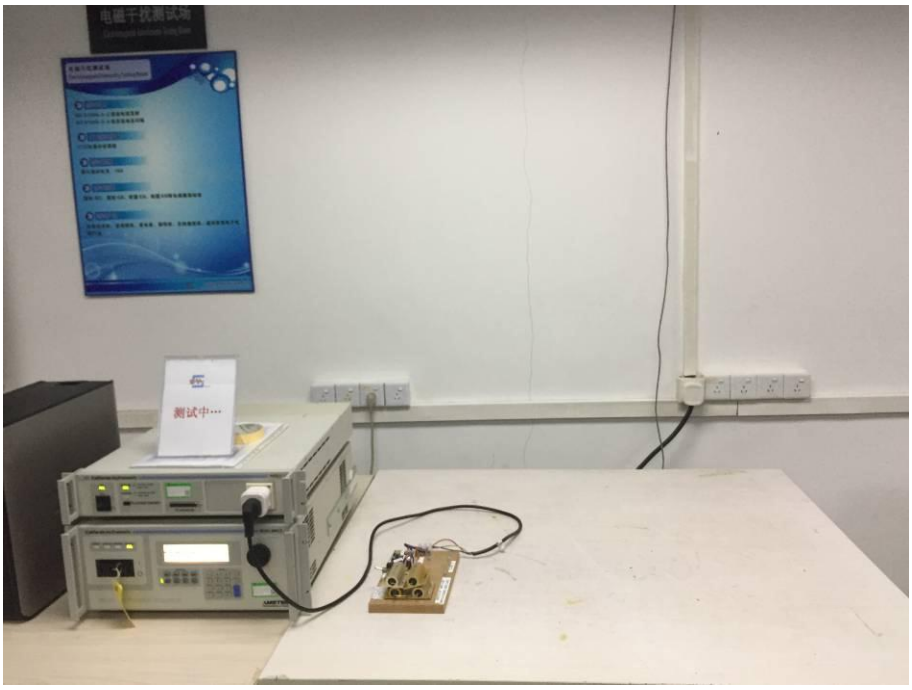
Conduction Emission Test View



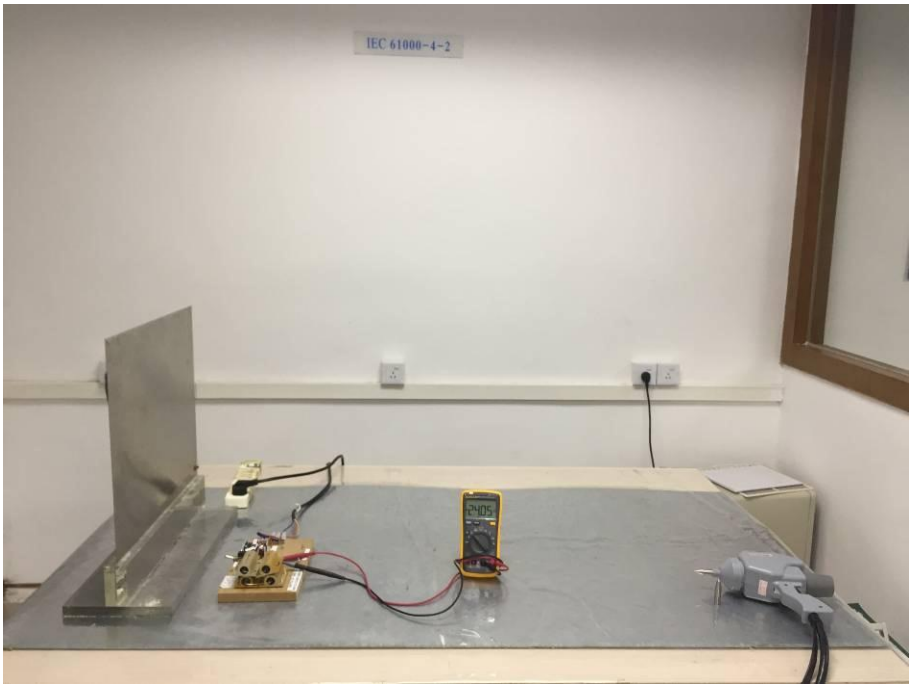
Radiation Emission Test View



Harmonic/Flicker Test View



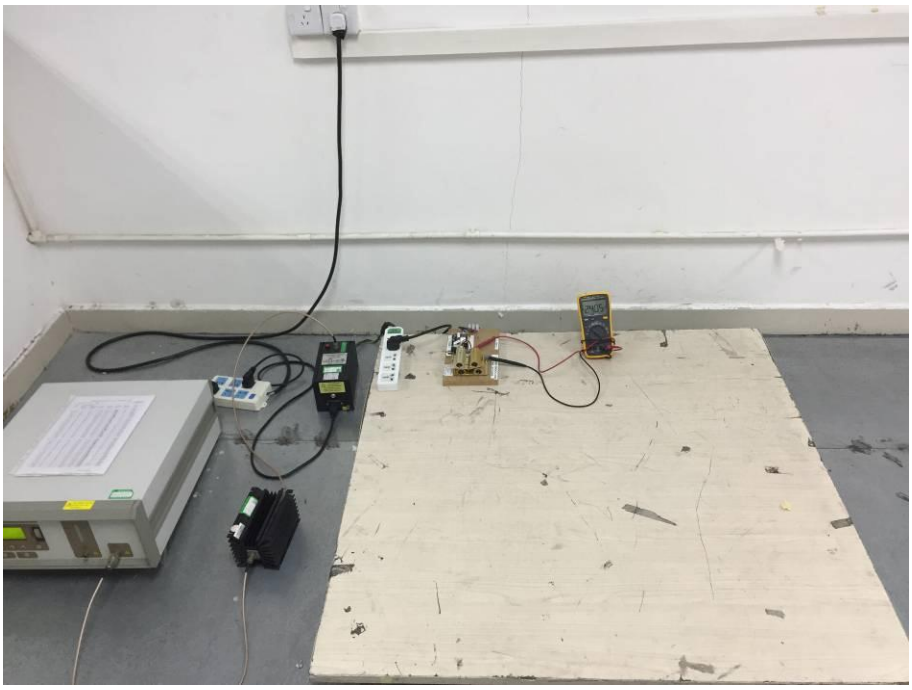
IEC61000-4-2 Test View



IEC61000-4-3 Test View

IEC61000-4-4/5/11 Test View

IEC61000-4-6 Test View

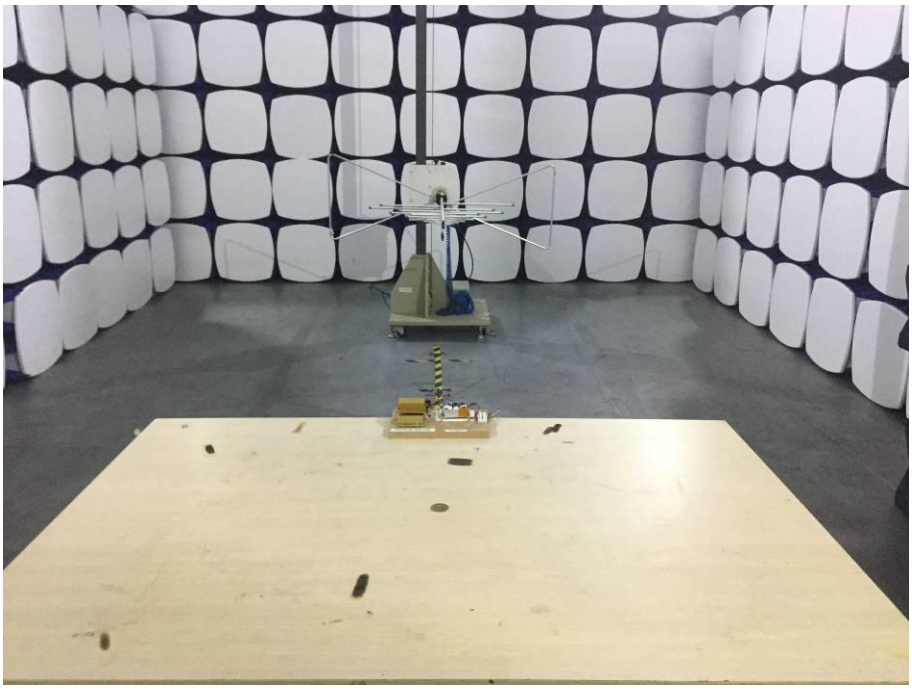


IEC61000-4-8 Test View

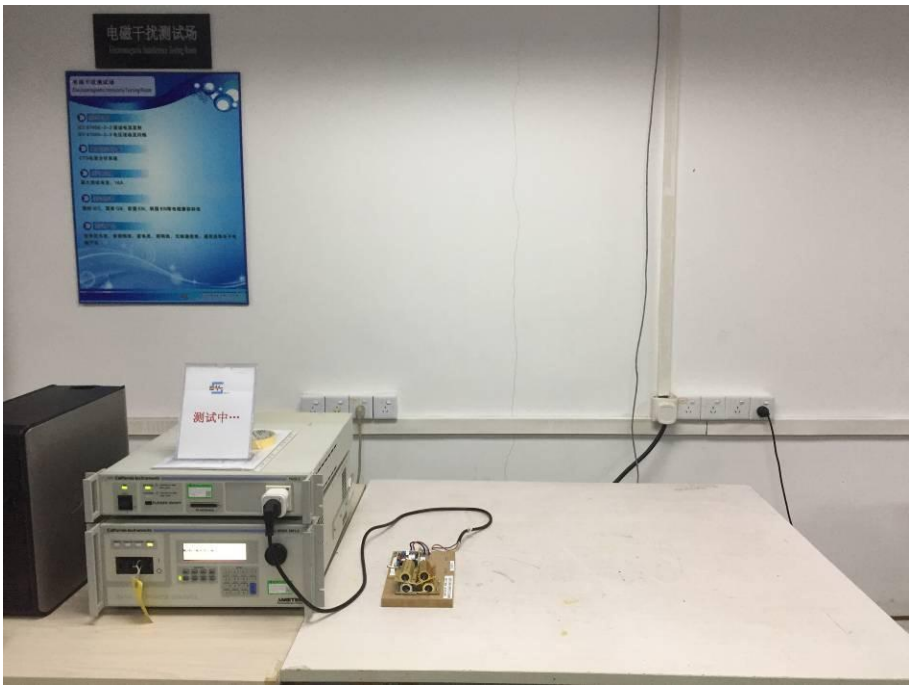
Model No: FCS40US48

Conduction Emission Test View

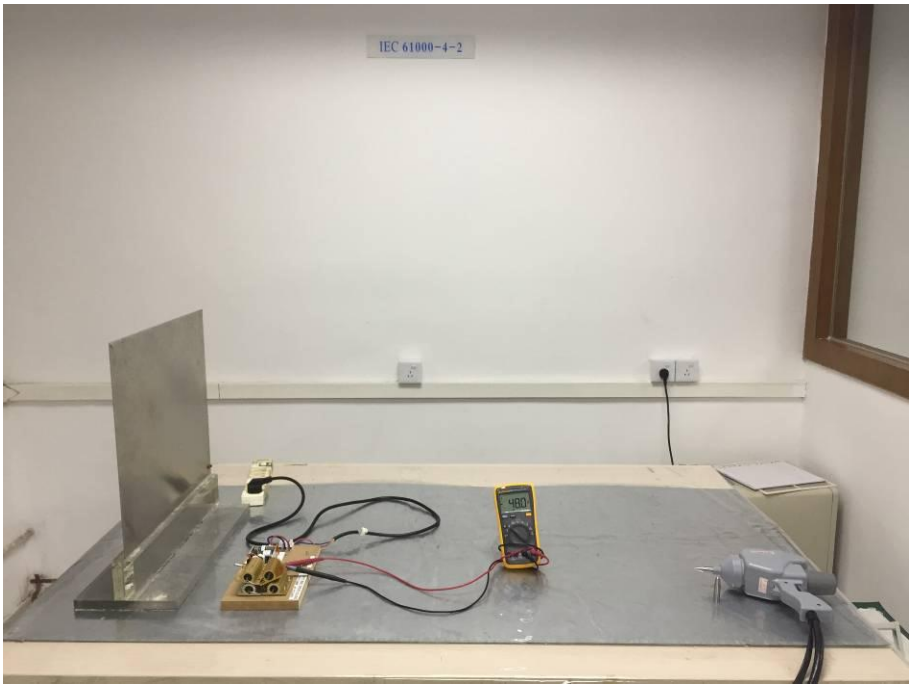
Radiation Emission Test View



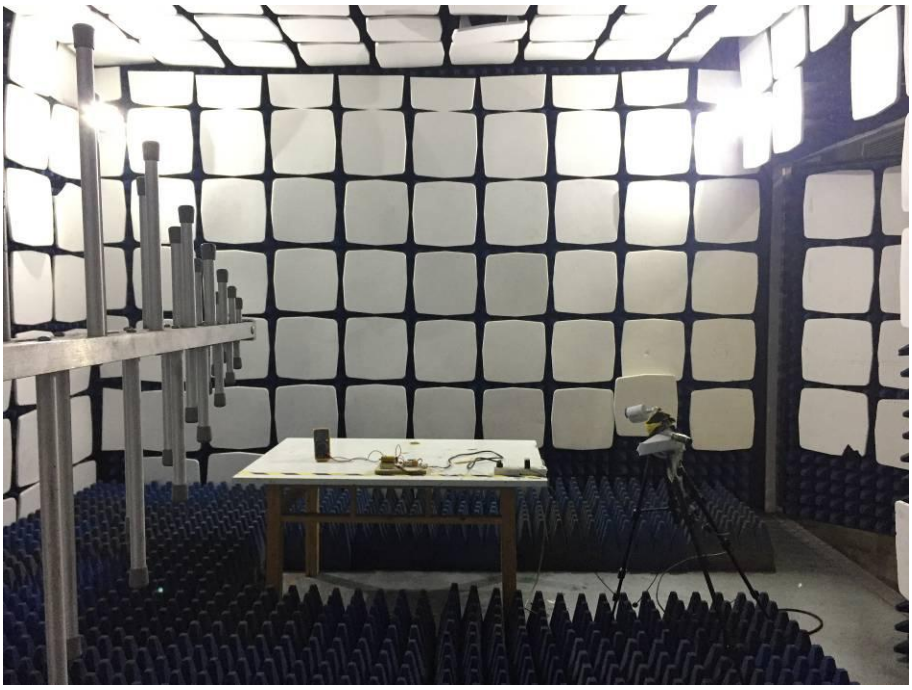
Harmonic/Flicker Test View



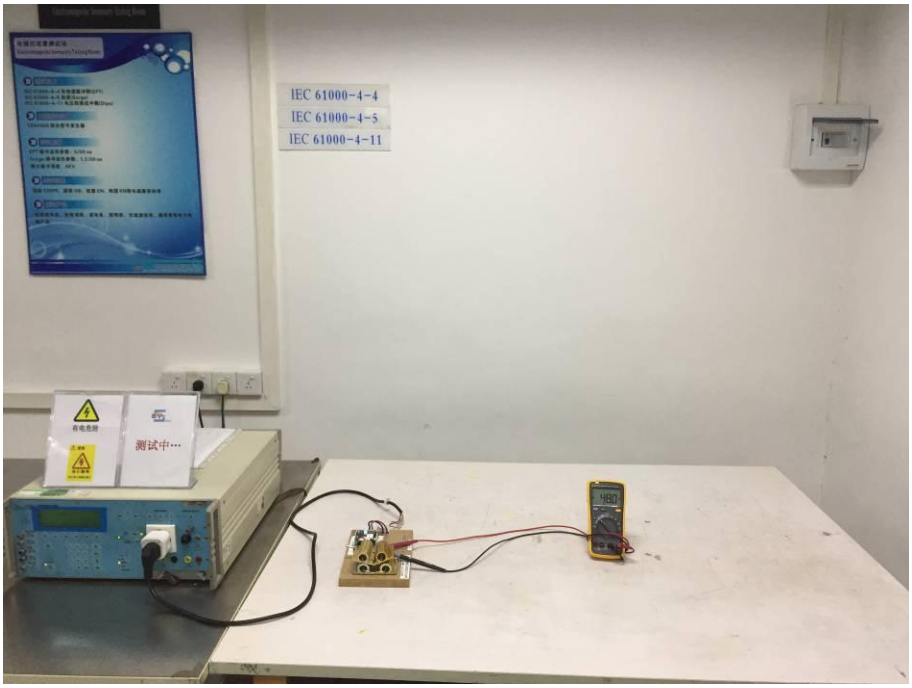
IEC61000-4-2 Test View



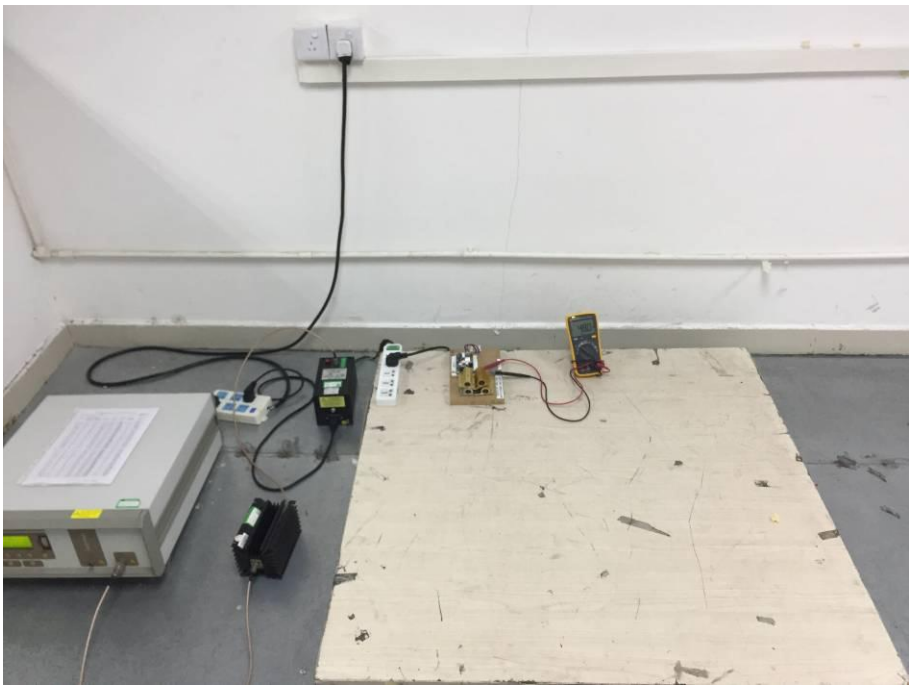
IEC61000-3 Test View



IEC61000-4-4/5/11 Test View



IEC61000-4-6 Test View



IEC61000-4-8 Test View

******* END OF REPORT *******