

Delta 54

IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna



Key Features

- Operates between 600 MHz – 5900 MHz
- Supports 5G NR/ 4G LTE/ Cat M/ NB-IoT/ 3G UMTS
- Supports Dual band Wi-Fi 2.4G & 5G
- High efficiency Dipole Terminal Antenna
- Terminated with N-Type (F) connector
- IP67 waterproof enclosure

Additional Considerations

- Omnidirectional radiation pattern
- Ground Plane independent

General Description

The Delta 54 is a high-efficiency, wideband dipole antenna covering a wide frequency range from 600 MHz to 6000 MHz. Optimised for peak performance across the 1800 MHz to 6000 MHz band, it supports the full spectrum of sub-6 GHz 5G NR, 4G LTE, legacy cellular, Wi-Fi, and ISM bands.

Engineered for reliable outdoor deployment, the Delta 54 features a durable IP67-rated housing and is supplied with an N-Type (F) connector for direct mounting on industrial gateways, wireless routers, and telemetry devices.

Its high efficiency and makes it ideal for applications requiring long-term connectivity across diverse wireless technologies.

Typical Applications

- Industrial routers and cellular gateways
- Outdoor wireless telemetry systems
- Smart city infrastructure, lighting, and waste management
- Building and perimeter security for LTE/5G-connected cameras

D Direct	5G New Radio	4G LTE	3G UMTS	2G GSM	LTE M
LTE NB-IoT	NB-IoT Narrowband	IEEE 802.15.4	ISM 433	ISM 868	ISM 915
ISM 2.4G	ISM 5.8G	WiFi 2.4G & 5G	WiFi 5 802.11ac	WiFi 6 802.11ax	WiFi 6e 802.11ax
WLAN 2400	WLAN 5800	BLE Bluetooth	ZB Zigbee	LoRa Wireless	SF Sigfox
HNT Helium	UWB Ultra-Wideband	IP 67			



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Electrical Specifications

Frequency range:	600-960 MHz, 1500-6000 MHz
Impedance:	50 Ω
Polarisation:	Linear
Average gain:	2.9 dBi
Peak gain:	6.41 dBi
Average spherically integrated total gain:	660-900 MHz: -2.10 dBi 1500-5900 MHz: -1.79 dBi
Average efficiency:	~60%
VSWR:	<2.5
Input power	1 W
Directionality:	Omni-directional
Ground plane independent:	Yes

Environmental Specifications

Operating temperature range:	-40 °C to +85 °C
Storage temperature range:	-40 °C to +85 °C

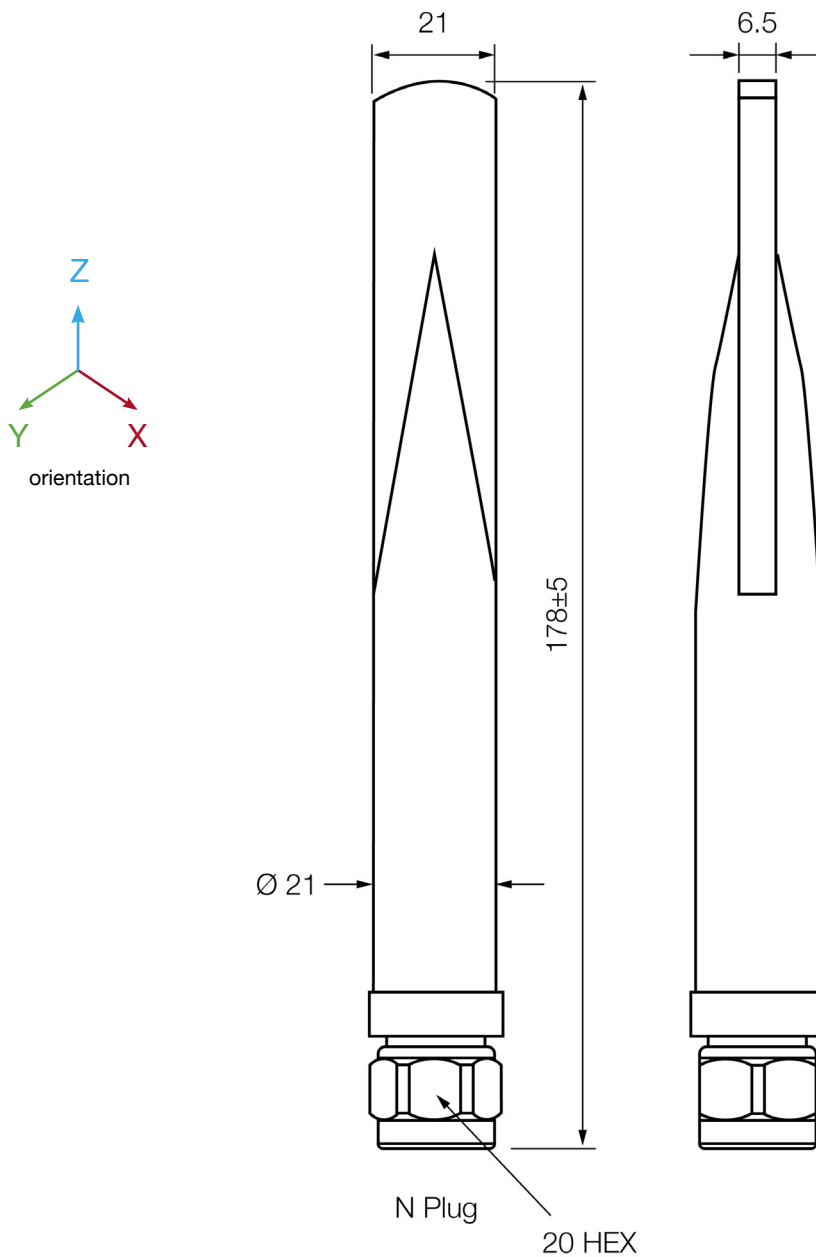
Mechanical Specifications

Colour options:	Black
Connector options:	N-type Female
Mounting method:	Direct connect
Dimensions:	183 mm x Ø 21 mm
Weight:	75 g
Radome:	Thermoplastic Rubber (TPR)

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Dimensional Drawing

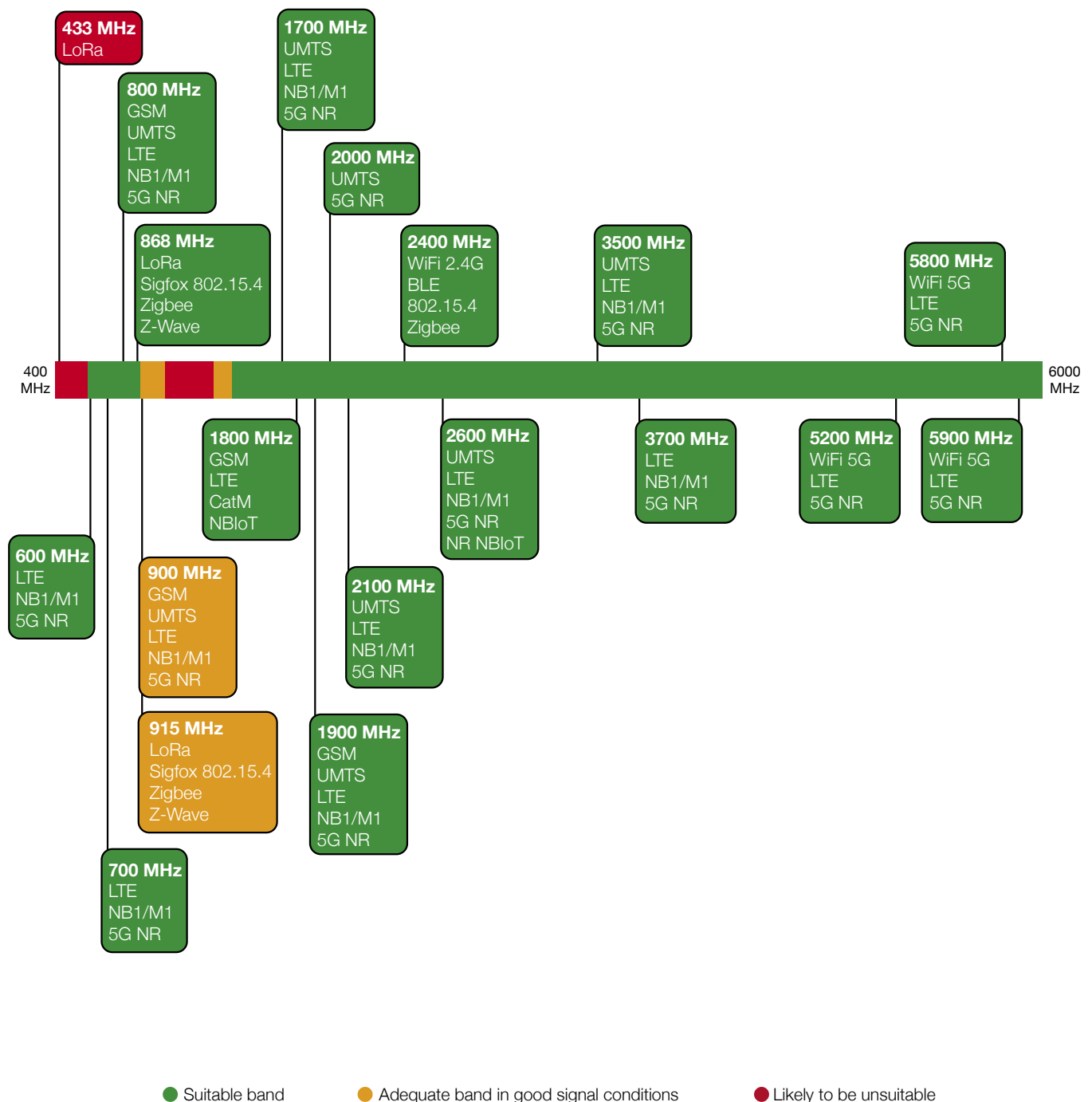




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Spectrum Coverage

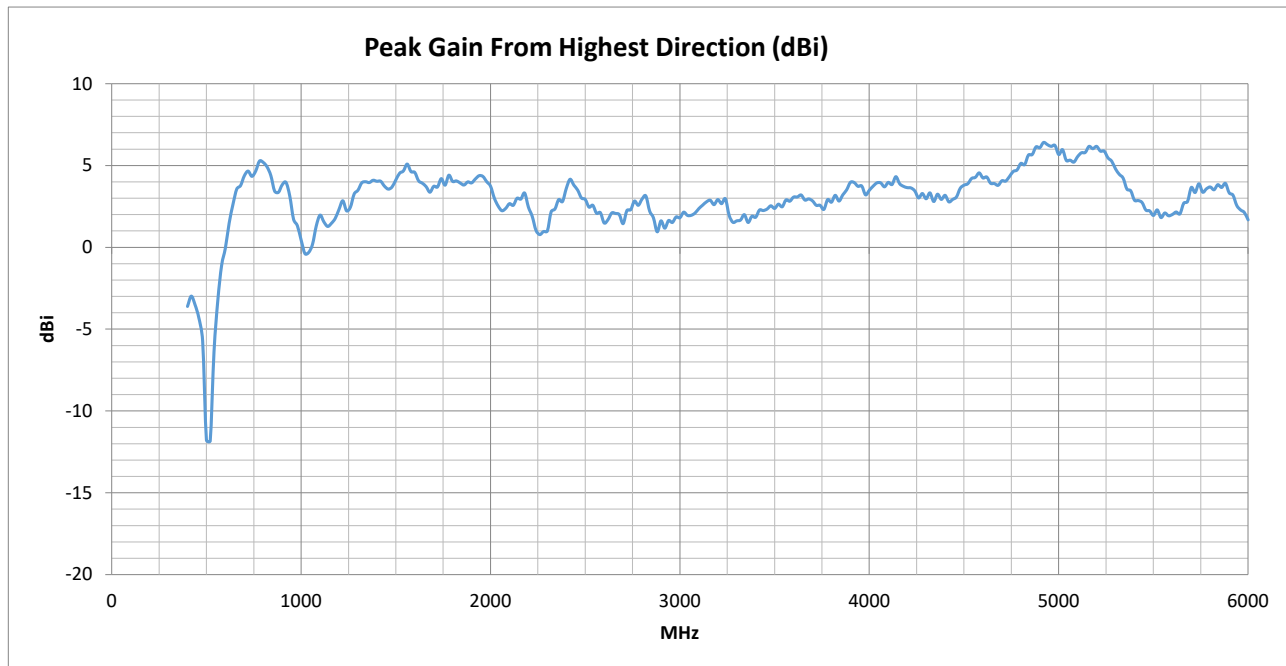




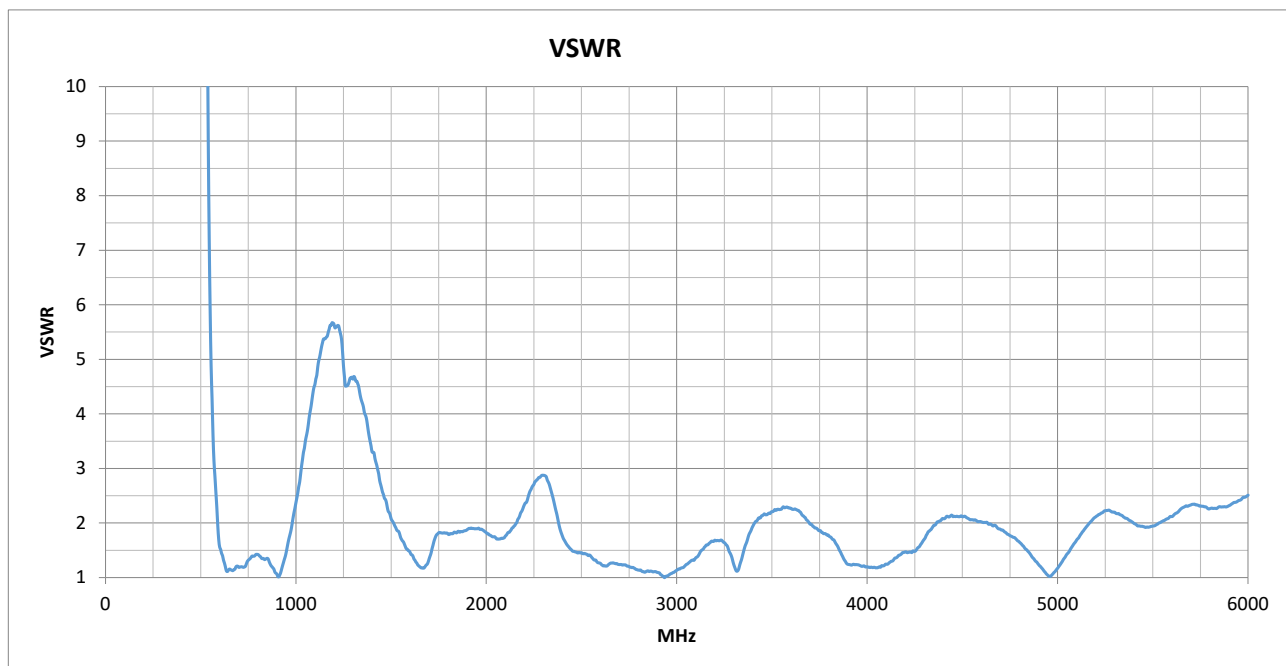
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Peak Gain vs. Frequency



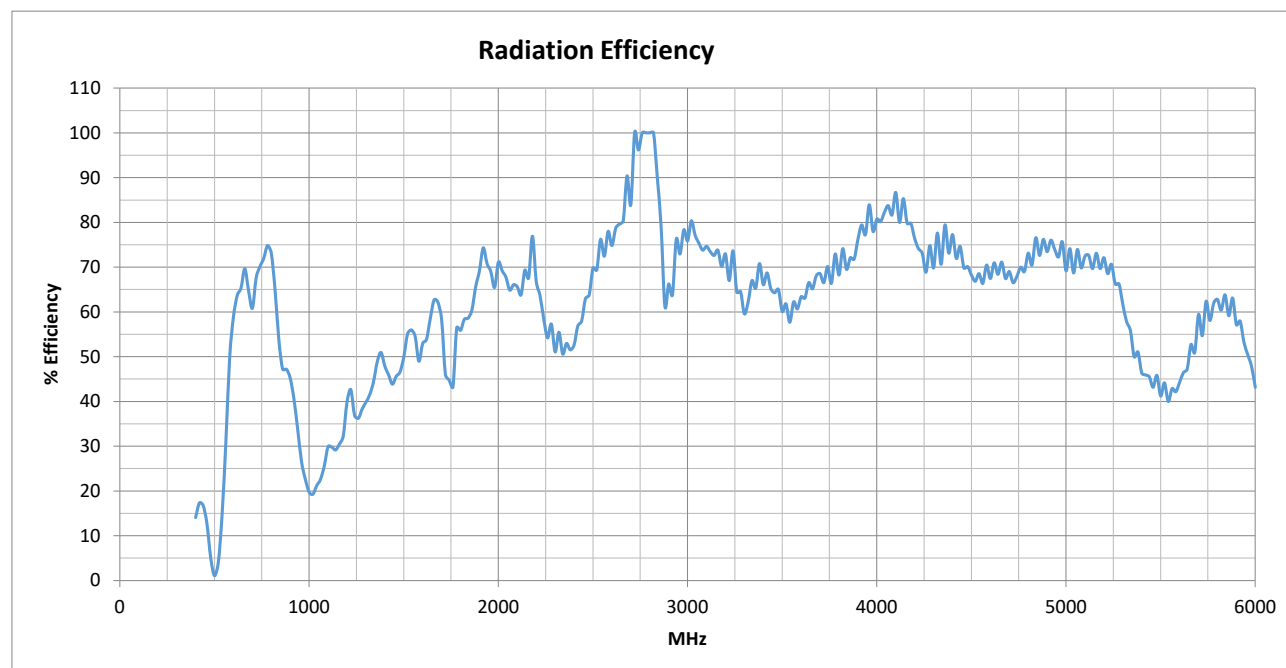
VSWR



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Radiation Efficiency





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Usable Cellular Frequency Support (400 MHz – 2000 MHz)

	400	410	450	600	700	800	850	900	1500	1600	1700	1800	1900	2000
GSM Bands:							●	●				●	●	
UMTS Bands:					●	●	●	●	●		●	●	●	
LTE Bands:				●	●	●	●	●	●	●	●	●	●	●
LTE Cat M Bands:				●	●	●	●	●	●	●	●	●	●	
LTE Cat NB Bands:				●	●	●	●	●	●	●	●	●	●	●
5G NR Bands:				●	●	●	●	●	●	●	●	●	●	●
NR Cat NB Bands:				●	●	●	●	●	●	●		●	●	●
NTN Bands:										●				●

Usable Cellular Frequency Support (2100 MHz – 6700 MHz)

	2100	2300	2400	2500	2600	3300	3500	3700	4700	5200	5900	6000	6200	6700
GSM Bands:														
UMTS Bands:	●				●		●							
LTE Bands:	●	●	●	●	●	●	●	●		●	●			
LTE Cat M Bands:	●	●		●	●		●	●						
LTE Cat NB Bands:	●			●	●		●	●						
5G NR Bands:	●	●	●	●	●		●	●		●	●			
NR Cat NB Bands:	●			●	●									
NTN Bands:	●			●	●									



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Usable ISM Frequency Support (433 MHz - 6525 MHz)

	433	868	915	2450	5800	
Bluetooth			●	●		
Helium		●	●			
IEEE 802.15.4		●	●	●		
ISM 433			●			
ISM 868		●	●			
ISM 915			●			
ISM 2.4G				●		
ISM 5.8G					●	
LoRa		●	●			
SigFox		●	●			
Weightless		●	●			
Wi-Fi 2.4G				●		
Wi-Fi 5G					●	
Wi-Fi 6E						
Zigbee		●	●	●		
Z-Wave		●	●			



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Cellular Standards Band Support

GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	Cat M E-UTRA Band	Cat NB E-UTRA Band	NR (5G) Band	Cat NB NR (5G) Band	NTN Band	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
	1	1	1	1	n1	n1		1920 - 1980 MHz	2110 - 2170 MHz	69.90	67.39	1.91	2.09	●
PCS-1900	2	2	2	2	n2	n2		1850 - 1910 MHz	1930 - 1990 MHz	65.20	68.81	1.90	1.91	●
DCS-1800	3	3	3	3	n3	n3		1710 - 1785 MHz	1805 - 1880 MHz	47.46	59.75	1.83	1.85	●
	4	4	4	4				1710 - 1755 MHz	2110 - 2155 MHz	45.83	66.77	1.83	1.99	●
GSM-850	5	5	5	5	n5	n5		824 - 849 MHz	869 - 894 MHz	56.04	46.81	1.35	1.23	●
	6							830 - 840 MHz	875 - 885 MHz	56.49	47.08	1.35	1.20	●
	7	7	7	7	n7	n7		2500 - 2570 MHz	2620 - 2690 MHz	72.46	82.54	1.46	1.27	●
E-GSM-900	8	8	8	8	n8	n8		880 - 915 MHz	925 - 960 MHz	45.00	32.65	1.18	1.66	●
	9	9						1749.9 - 1784.9 MHz	1844.9 - 1879.9 MHz	48.99	61.58	1.83	1.85	●
	10	10						1710 - 1770 MHz	2110 - 2170 MHz	45.76	67.39	1.83	2.09	●
	11	11	11	11				1427.9 - 1447.9 MHz	1475.9 - 1495.9 MHz	44.37	47.59	3.01	2.37	●
	12	12	12	12	n12	n12		699 - 716 MHz	729 - 746 MHz	63.38	69.79	1.20	1.30	●
	13	13	13	13	n13			777 - 787 MHz	746 - 756 MHz	74.54	71.14	1.41	1.34	●
	14	14	14	14	n14	n14		788 - 798 MHz	758 - 768 MHz	73.71	72.39	1.43	1.39	●
		17		17				704 - 716 MHz	734 - 746 MHz	64.21	70.09	1.20	1.30	●
		18	18	18	n18	n18		815 - 830 MHz	860 - 875 MHz	63.35	47.21	1.38	1.29	●
	19	19	19	19				830 - 845 MHz	875 - 890 MHz	55.30	46.87	1.35	1.20	●
	20	20	20	20	n20	n20		832 - 862 MHz	791 - 821 MHz	51.70	70.19	1.35	1.43	●
	21	21	21	21				1447.9 - 1462.9 MHz	1495.9 - 1510.9 MHz	45.19	50.82	2.67	2.14	●
	22	22						3410 - 3490 MHz	3510 - 3590 MHz	65.55	60.63	2.18	2.30	●
		24	24	24	n24	n24		1626.5 - 1660.5 MHz	1525 - 1559 MHz	59.15	55.45	1.31	1.91	●
	25	25	25	25	n25	n25		1850 - 1915 MHz	1930 - 1995 MHz	65.76	68.83	1.90	1.91	●
	26	26	26	26	n26	n26		814 - 849 MHz	859 - 894 MHz	58.64	46.93	1.38	1.30	●
		27	27					807 - 824 MHz	852 - 869 MHz	66.65	47.82	1.41	1.35	●
		28	28	28	n28	n28		703 - 748 MHz	758 - 803 MHz	67.59	73.51	1.31	1.43	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	Cat M E-UTRA Band	Cat NB E-UTRA Band	NR (5G) Band	Cat NB NR (5G) Band	NTN Band	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
		28A						703 - 733 MHz	758 - 788 MHz	66.33	73.57	1.20	1.42	●
		29			n29			N/A	717 - 728 MHz	N/A	67.84	N/A	1.20	●
		30			n30			2305 - 2315 MHz	2350 - 2360 MHz	53.26	52.37	2.87	2.46	●
		31	31	31	n31	n31		452.5 - 457.5 MHz	462.5 - 467.5 MHz	13.69	10.76	23.30	24.61	●
	32	32						N/A	1452 - 1496 MHz	N/A	46.59	N/A	2.61	●
		33						1900 - 1920 MHz	1900 - 1920 MHz	71.74	71.74	1.91	1.91	●
		34			n34			2010 - 2025 MHz	2010 - 2025 MHz	69.45	69.45	1.81	1.81	●
		35						1850 - 1910 MHz	1850 - 1910 MHz	65.20	65.20	1.90	1.90	●
		36						1930 - 1990 MHz	1930 - 1990 MHz	68.81	68.81	1.91	1.91	●
		37						1910 - 1930 MHz	1910 - 1930 MHz	73.22	73.22	1.91	1.91	●
		38			n38			2570 - 2620 MHz	2570 - 2620 MHz	76.58	76.58	1.32	1.32	●
		39	39		n39			1880 - 1920 MHz	1880 - 1920 MHz	69.57	69.57	1.91	1.91	●
		40	40		n40			2300 - 2400 MHz	2300 - 2400 MHz	52.47	52.47	2.88	2.88	●
		41	41	41	n41	n41		2496 - 2690 MHz	2496 - 2690 MHz	77.09	77.09	1.46	1.46	●
		42	42	42				3400 - 3600 MHz	3400 - 3600 MHz	63.04	63.04	2.30	2.30	●
		43	43	43				3600 - 3800 MHz	3600 - 3800 MHz	67.32	67.32	2.27	2.27	●
		44						703 - 803 MHz	703 - 803 MHz	70.63	70.63	1.43	1.43	●
		45						1447 - 1467 MHz	1447 - 1467 MHz	45.29	45.29	2.68	2.68	●
		46			n46			5150 - 5925 MHz	5150 - 5925 MHz	55.42	55.42	2.38	2.38	●
		47			n47			5855 - 5925 MHz	5855 - 5925 MHz	59.45	59.45	2.38	2.38	●
		48	48	48	n48			3550 - 3700 MHz	3550 - 3700 MHz	64.38	64.38	2.30	2.30	●
		49						3550 - 3700 MHz	3550 - 3700 MHz	64.38	64.38	2.30	2.30	●
		50			n50			1432 - 1517 MHz	1432 - 1517 MHz	47.30	47.30	2.95	2.95	●
		51			n51			1427 - 1432 MHz	1427 - 1432 MHz	44.94	44.94	3.02	3.02	●
		52						3300 - 3400 MHz	3300 - 3400 MHz	65.63	65.63	1.95	1.95	●

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		53			n53			2483.5 - 2495 MHz	2483.5 - 2495 MHz	66.60	66.60	1.46	1.46	●
		54	54	54	n54	n54		1670 - 1675 MHz	1670 - 1675 MHz	62.39	62.39	1.18	1.18	●
		65		65	n65	n65		1920 - 2010 MHz	2110 - 2200 MHz	69.63	69.18	1.91	2.34	●
		66	66	66	n66	n66		1710 - 1780 MHz	2110 - 2200 MHz	46.82	69.18	1.83	2.34	●
		67			n67			N/A	738 - 758 MHz	N/A	70.86	N/A	1.34	●
		68						698 - 728 MHz	753 - 783 MHz	65.04	73.10	1.20	1.40	●
		69						N/A	2570 - 2620 MHz	N/A	76.58	N/A	1.32	●
		70		70	n70	n70		1695 - 1710 MHz	1995 - 2020 MHz	56.45	70.20	1.45	1.84	●
		71	71	71	n71	n71		663 - 698 MHz	617 - 652 MHz	64.83	65.12	1.21	1.37	●
		72	72	72	n72	n72		451 - 456 MHz	461 - 466 MHz	14.00	11.34	23.10	24.46	●
		73	73	73				450 - 455 MHz	460 - 465 MHz	14.20	11.72	22.97	24.37	●
		74	74	74	n74	n74		1427 - 1470 MHz	1475 - 1518 MHz	44.93	49.69	3.02	2.38	●
		75			n75			N/A	1432 - 1517 MHz	N/A	47.30	N/A	2.95	●
		76			n76			N/A	1427 - 1432 MHz	N/A	44.94	N/A	3.02	●
					n77			3300 - 4200 MHz	3300 - 4200 MHz	71.26	71.26	2.30	2.30	●
					n78			3300 - 3800 MHz	3300 - 3800 MHz	65.27	65.27	2.30	2.30	●
					n79			4400 - 5000 MHz	4400 - 5000 MHz	70.95	70.95	2.15	2.15	●
					n80			1710 - 1785 MHz	N/A	47.46	N/A	1.83	N/A	●
					n81			880 - 915 MHz	N/A	45.00	N/A	1.18	N/A	●
					n82			832 - 862 MHz	N/A	51.70	N/A	1.35	N/A	●
					n83			703 - 748 MHz	N/A	67.59	N/A	1.31	N/A	●
					n84			1920 - 1980 MHz	N/A	69.90	N/A	1.91	N/A	●
		85	85	85	n85			698 - 716 MHz	728 - 746 MHz	63.25	69.73	1.20	1.30	●
					n86			1710 - 1780 MHz	N/A	46.82	N/A	1.83	N/A	●
		87	87	87				410 - 415 MHz	420 - 425 MHz	16.11	17.26	21.06	21.98	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable



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Cellular Standards Band Support

GSM (2G) Band	UMTS (3G) Band	E-UTRA (4G) Band	Cat M E-UTRA Band	Cat NB E-UTRA Band	NR (5G) Band	Cat NB NR (5G) Band	NTN Band	Uplink	Downlink	Average Upload Efficiency (%)	Average Download Efficiency (%)	Maximum Upload VSWR	Maximum Download VSWR	Use Indicator
		88	88	88				412 - 417 MHz	422 - 427 MHz	16.44	17.21	21.17	21.98	●
					n89			824 - 849 MHz	N/A	56.04	N/A	1.35	N/A	●
					n90	n90		2496 - 2690 MHz	2496 - 2690 MHz	77.09	77.09	1.46	1.46	●
					n91			832 - 862 MHz	1427 - 1432 MHz	51.70	44.94	1.35	3.02	●
					n92			832 - 862 MHz	1432 - 1517 MHz	51.70	47.30	1.35	2.95	●
					n93			880 - 915 MHz	1427 - 1432 MHz	45.00	44.94	1.18	3.02	●
					n94			880 - 915 MHz	1432 - 1517 MHz	45.00	47.30	1.18	2.95	●
					n95			2010 - 2025 MHz	N/A	69.45	N/A	1.81	N/A	●
					n97			2300 - 2400 MHz	N/A	52.47	N/A	2.88	N/A	●
					n98			1880 - 1920 MHz	N/A	69.57	N/A	1.91	N/A	●
					n99			1626.5 - 1660.5 MHz	N/A	59.15	N/A	1.31	N/A	●
1900					n101			1900 - 1910 MHz	1900 - 1910 MHz	70.46	70.46	1.90	1.90	●
		103		103				787 - 788 MHz	757 - 758 MHz	74.18	71.72	1.42	1.34	●
					n105			663 - 703 MHz	612 - 652 MHz	64.38	64.78	1.21	1.43	●
							n254	1610 - 1625.5 MHz	2483.5 - 2500 MHz	53.92	67.35	1.42	1.46	●
							n255	1626.5 - 1660.5 MHz	1525 - 1559 MHz	59.15	55.45	1.31	1.91	●
							n256	1980 - 2010 MHz	2170 - 2200 MHz	69.07	72.77	1.88	2.34	●

● Suitable band

● Adequate band in good signal conditions

● Likely to be unsuitable

NOTE: For each frequency band, Siretta provides a traffic light indication to show the suitability of the antenna for use at that frequency band. Determination of exactly what makes an antenna good or bad at any frequency is subjective.

The view presented is that of Siretta's engineering team having taken into account the efficiency and VSWR measurements. The end user is advised to use their own criteria and/or testing to confirm suitability.



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ISM Standards Frequency Support

Application	Frequency Range	Efficiency (%)	Maximum VSWR	Peak Gain from highest direction (dBi)	Use Indicator
ISM 433 MHz	433.05 - 434.79 MHz	16.93	21.60	-3.32	●
ISM 868 MHz	863 - 870 MHz	47.21	1.27	3.43	●
ISM 915 MHz	902 - 928 MHz	41.51	1.19	3.97	●
ISM 2.4 GHz	2400 - 2500 MHz	60.56	1.76	4.16	●
Wi-Fi 2.4G	2401 - 2483 MHz	59.27	1.75	4.16	●
Wi-Fi 2.4G (USA)	2401 - 2473 MHz	58.63	1.75	4.16	●
Wi-Fi 2.4G (Japan)	2401 - 2495 MHz	60.19	1.75	4.16	●
Wi-Fi 5G (all channels)	5150 - 5990 MHz	55.07	2.49	6.17	●
Wi-Fi 5G (Ch 32-48)	5150 - 5250 MHz	70.62	2.23	6.17	●
Wi-Fi 5G (Ch 32-64)	5150 - 5330 MHz	67.25	2.24	6.17	●
Wi-Fi 5G (Ch 32-161)	5150 - 5815 MHz	54.60	2.35	6.17	●
Wi-Fi 5G (Ch 32-173)	5150 - 5875 MHz	55.17	2.35	6.17	●
ISM 5.8 GHz	5725 - 5875 MHz	61.05	2.34	3.89	●
UWB band 1	3168 - 3696 MHz	65.30	2.30	3.20	●
UWB band 2	3696 - 4224 MHz	76.63	2.00	4.32	●
UWB band 3	4224 - 4752 MHz	70.83	2.15	4.55	●
UWB band 4	4752 - 5280 MHz	71.82	2.24	6.41	●
UWB band 5	5280 - 5808 MHz	50.80	2.35	5.26	●

● Suitable band

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● Likely to be unsuitable

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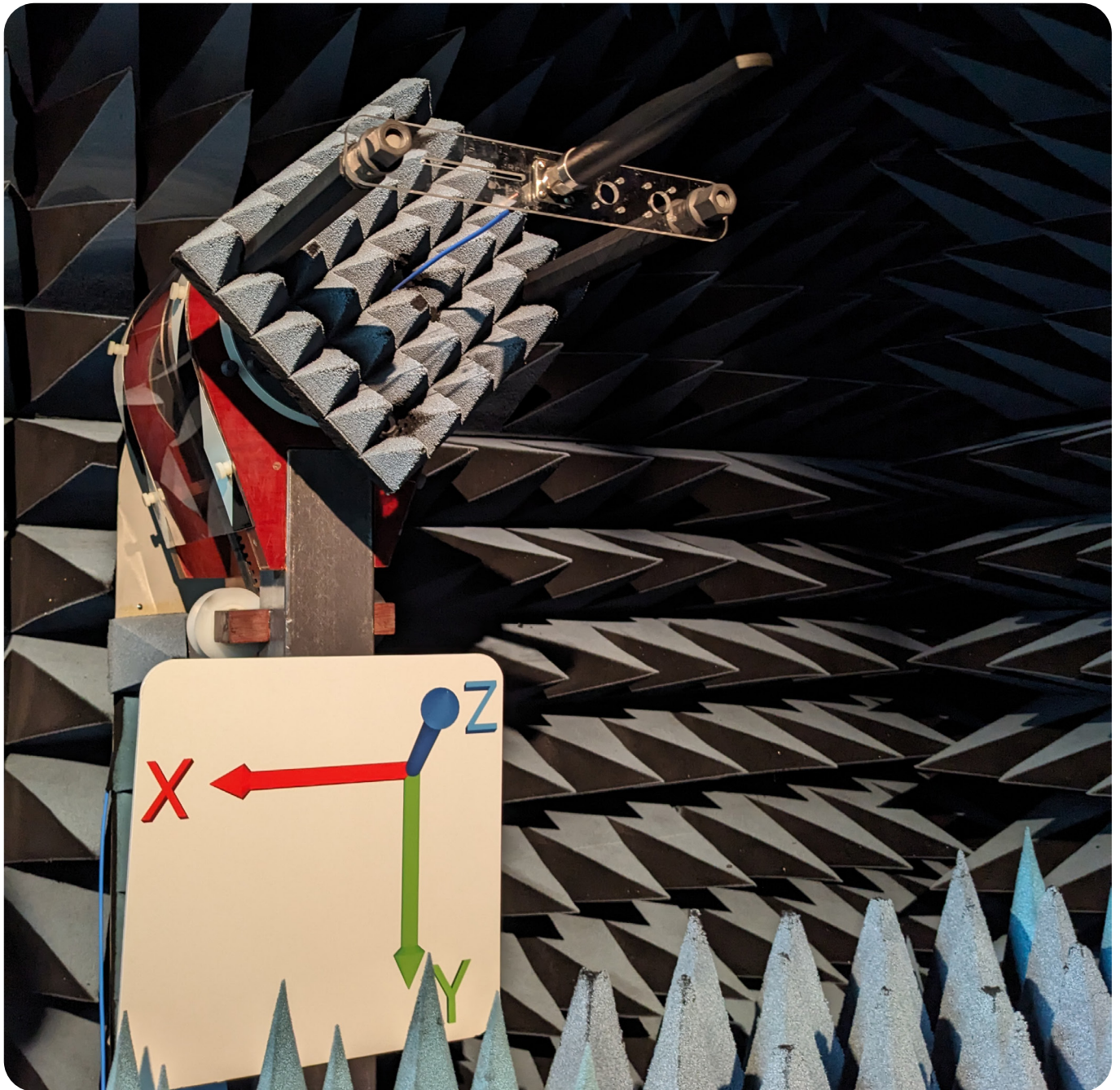
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Test Setup (in Free Space)

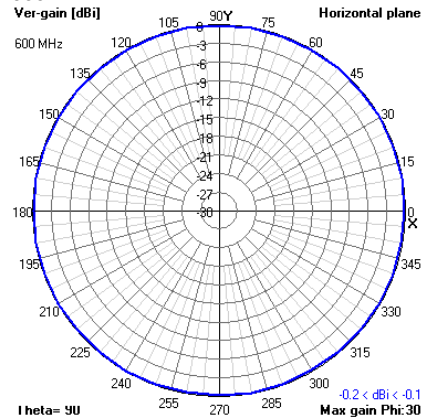


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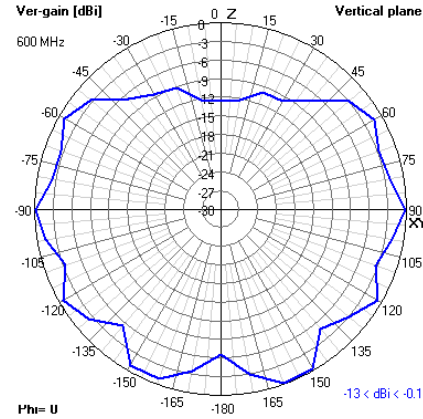
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2D Radiation Plots

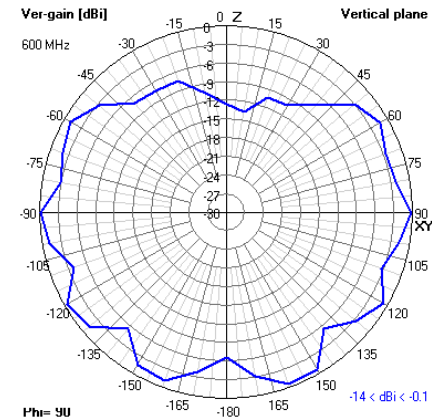
600 MHz XY



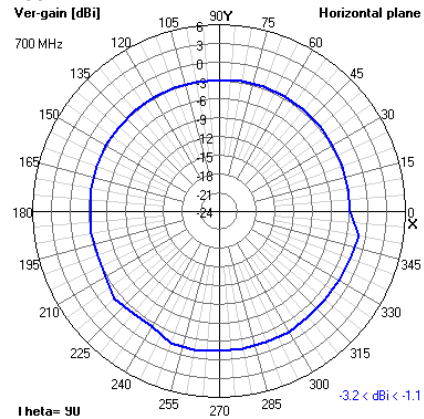
XZ



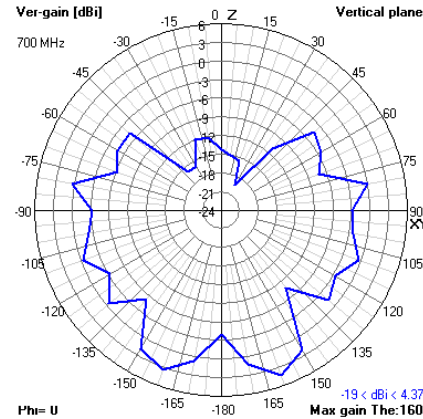
YZ



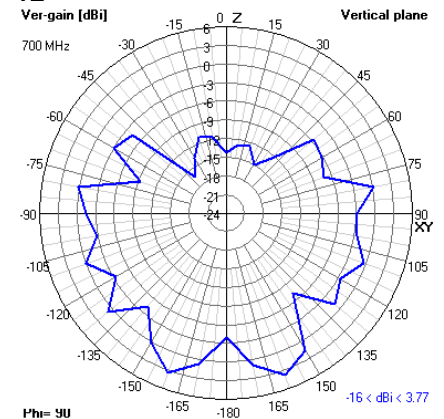
700 MHz XY



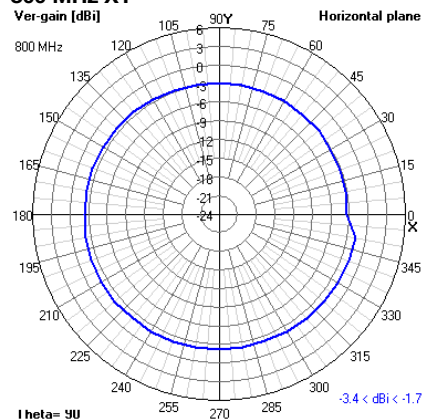
XZ



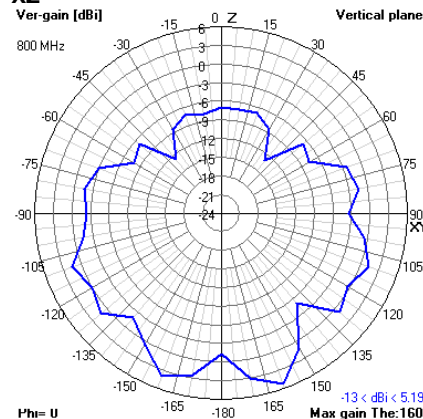
YZ



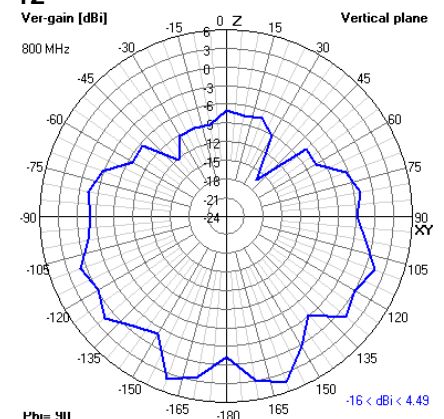
800 MHz XY



XZ



YZ



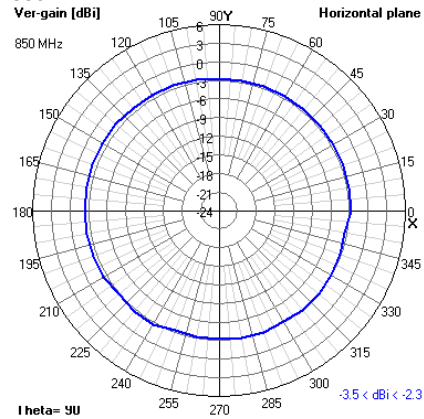


Delta 54

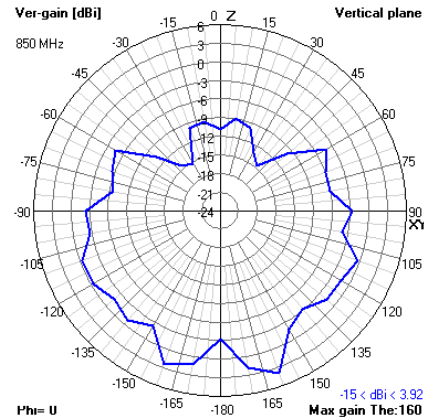
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

2D Radiation Plots

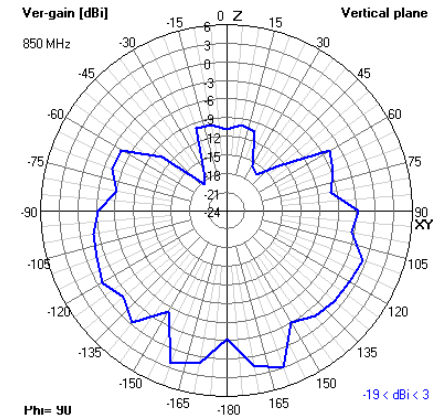
850 MHz XY



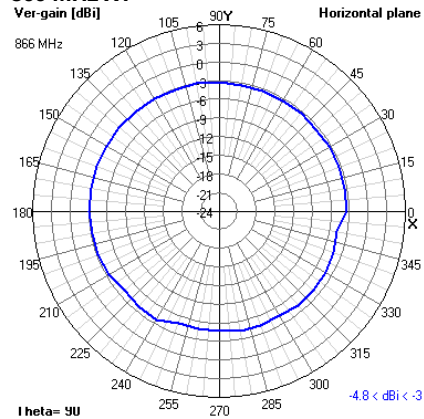
XZ



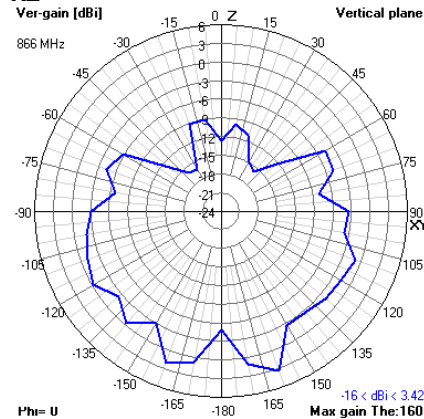
YZ



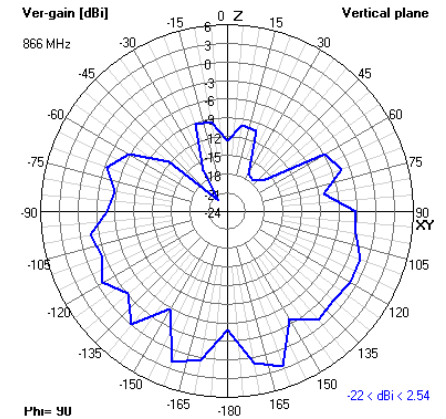
866 MHz XY



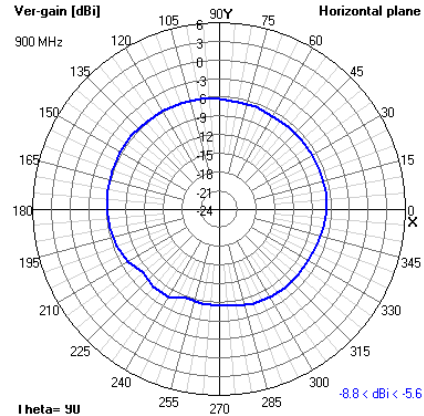
XZ



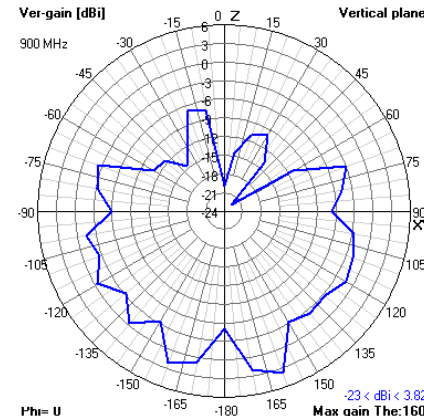
YZ



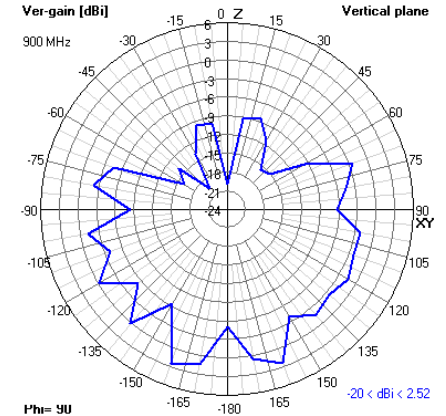
900 MHz XY



XZ



YZ



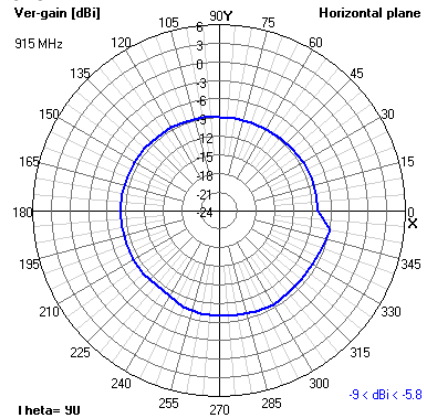


Delta 54

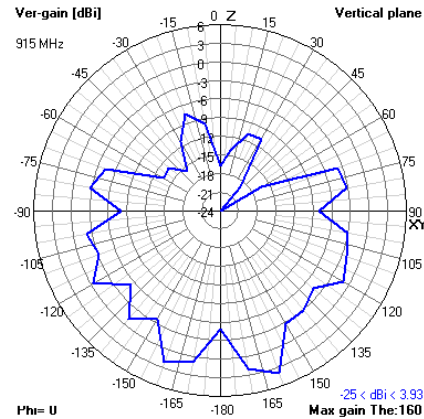
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

2D Radiation Plots

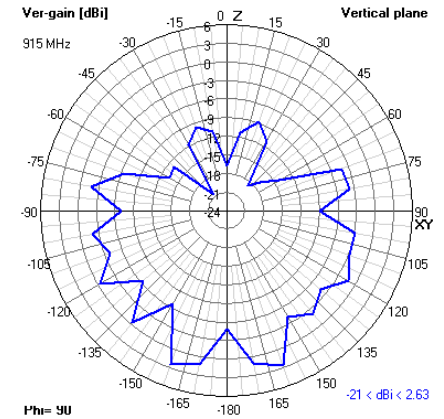
915 MHz XY



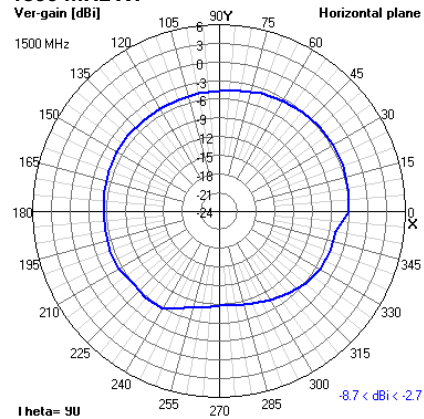
XZ



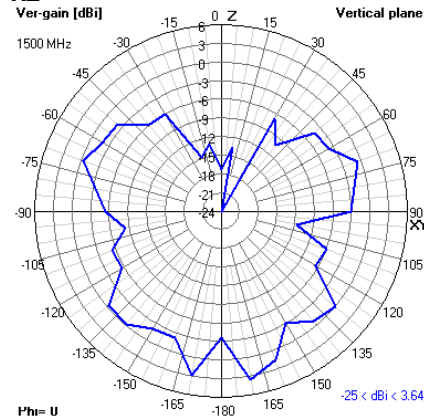
YZ



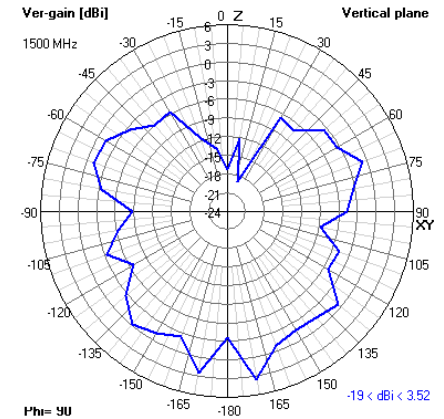
1500 MHz XY



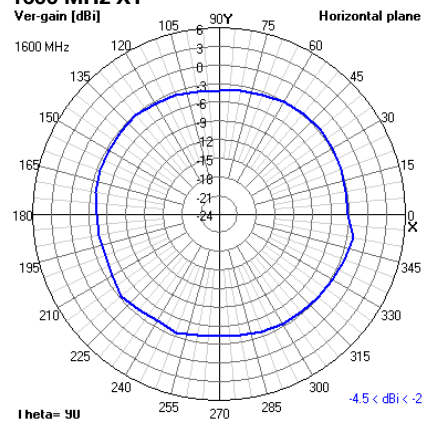
XZ



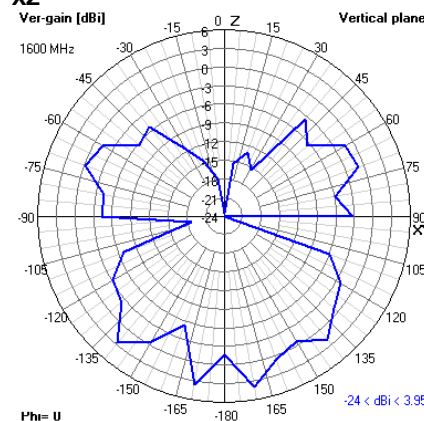
YZ



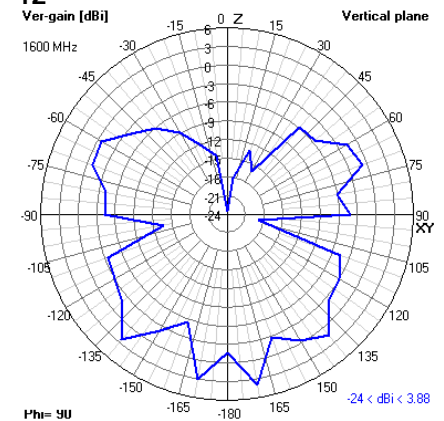
1600 MHz XY



XZ



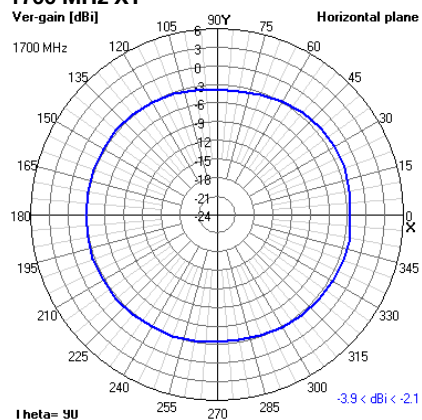
YZ



IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

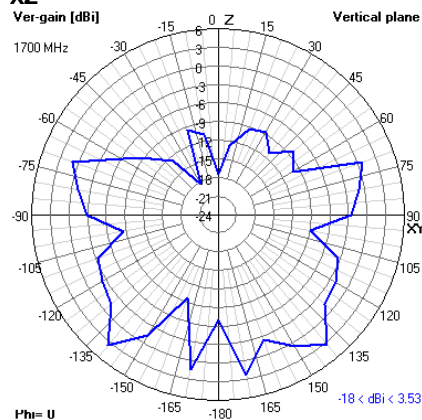
1700 MHz XY

Ver-gain [dBi]



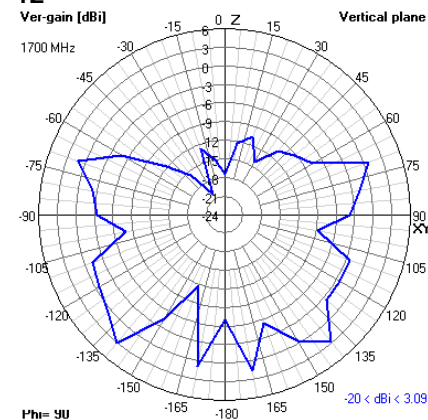
XZ

Ver-gain [dBi]



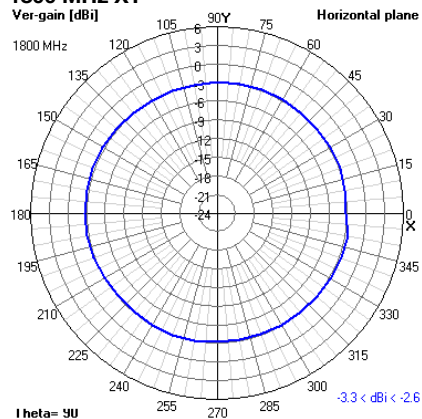
YZ

Ver-gain [dBi]



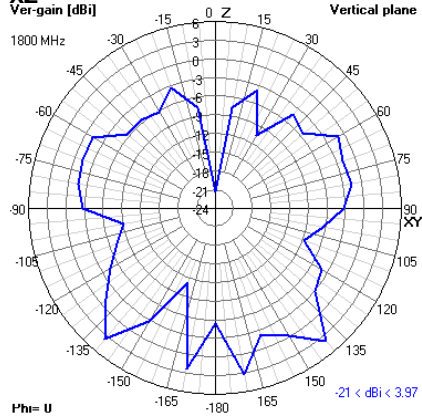
1800 MHz XY

Ver-gain [dBi]



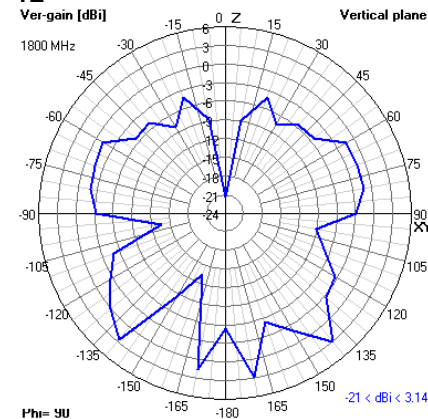
XZ

Ver-gain [dBi]



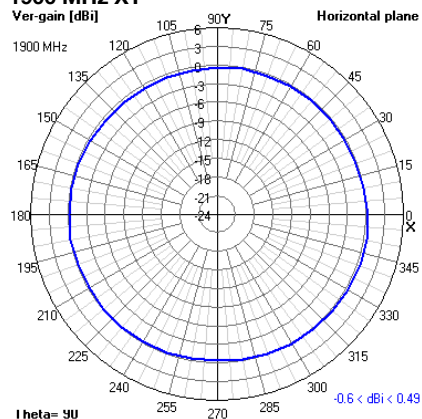
YZ

Ver-gain [dBi]



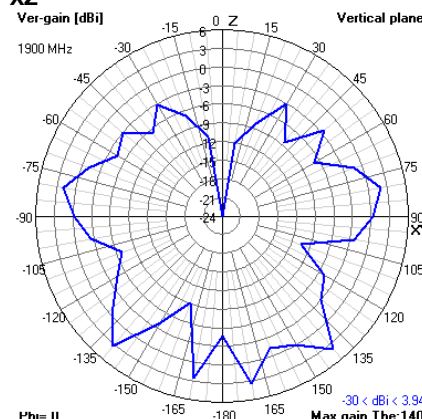
1900 MHz XY

Ver-gain [dBi]



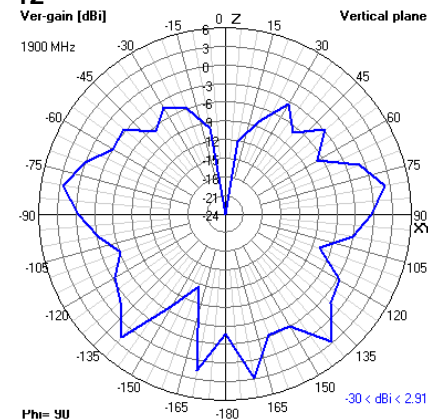
XZ

Ver-gain [dBi]



YZ

Ver-gain [dBi]



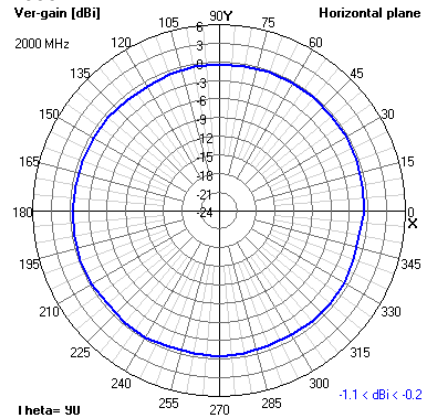


Delta 54

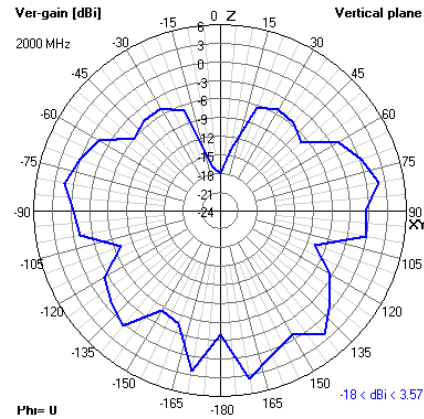
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

2D Radiation Plots

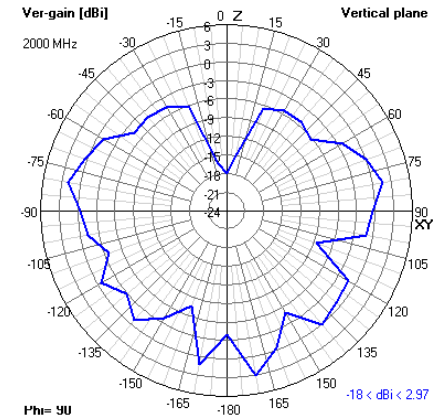
2000 MHz XY



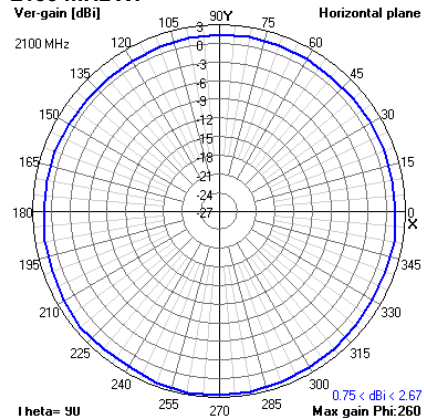
XZ



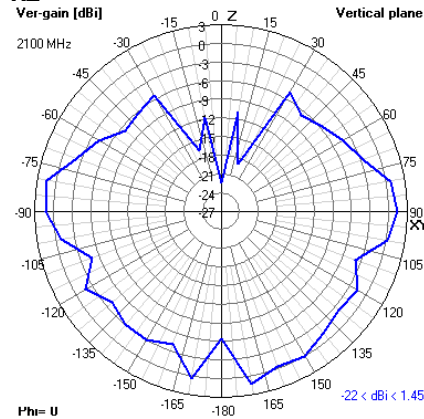
YZ



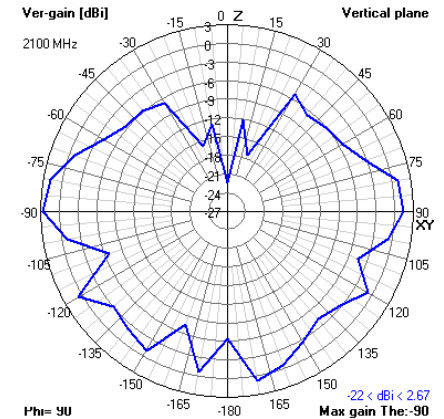
2100 MHz XY



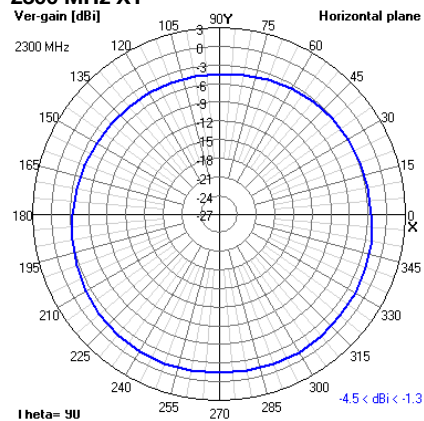
XZ



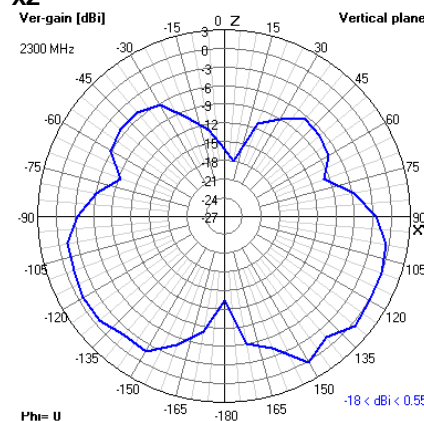
YZ



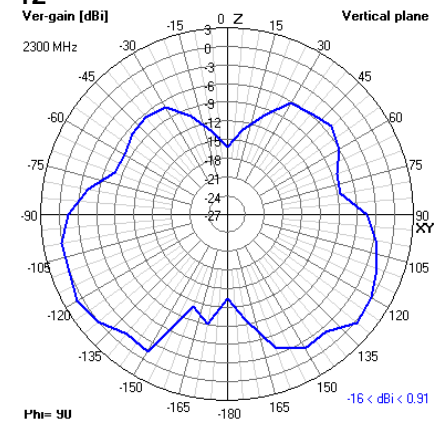
2300 MHz XY



XZ



YZ



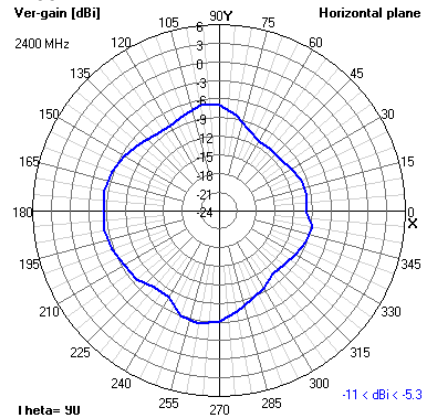


Delta 54

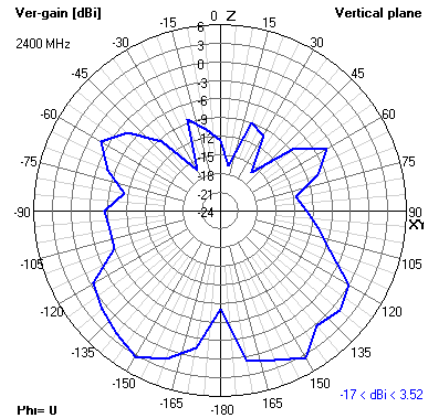
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

2D Radiation Plots

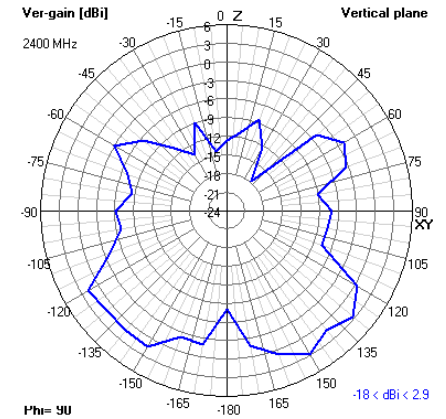
2400 MHz XY



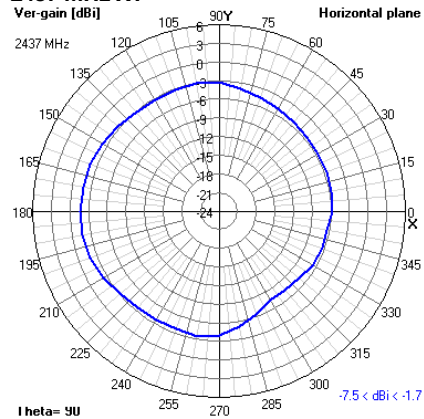
XZ



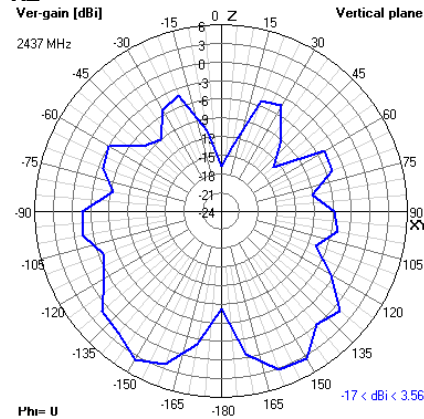
YZ



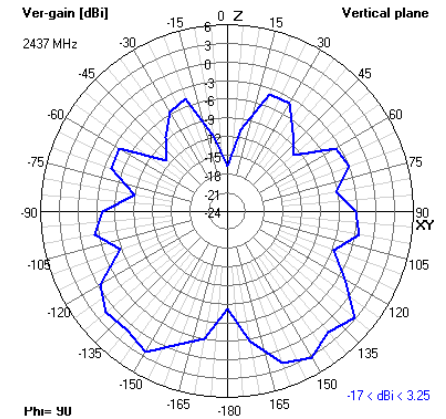
2437 MHz XY



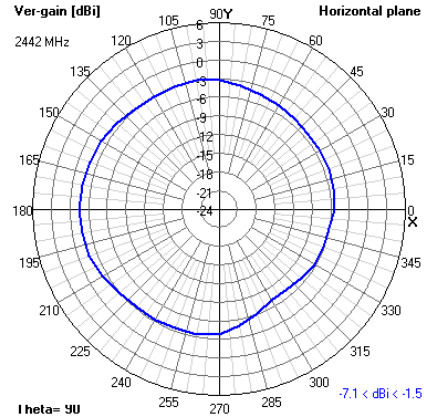
XZ



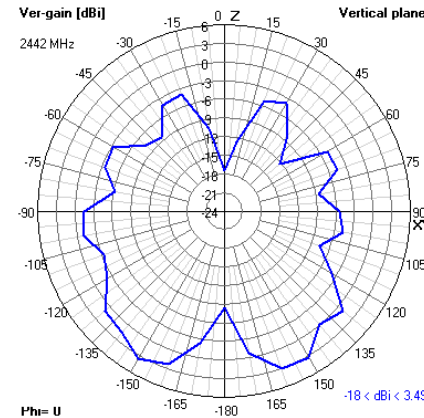
YZ



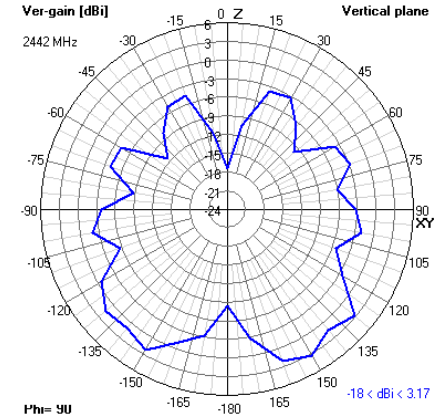
2442 MHz XY



XZ



YZ



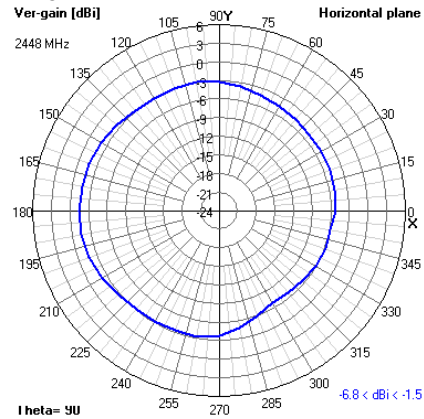


Delta 54

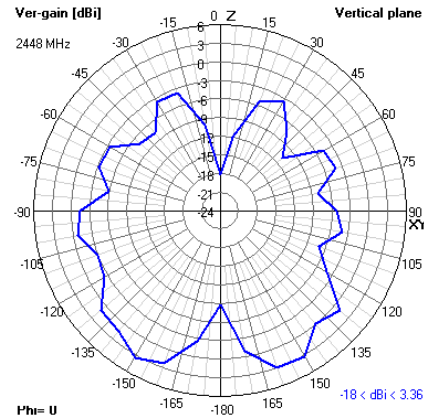
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

2D Radiation Plots

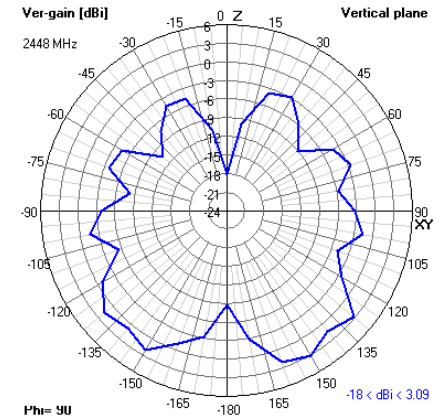
2448 MHz XY



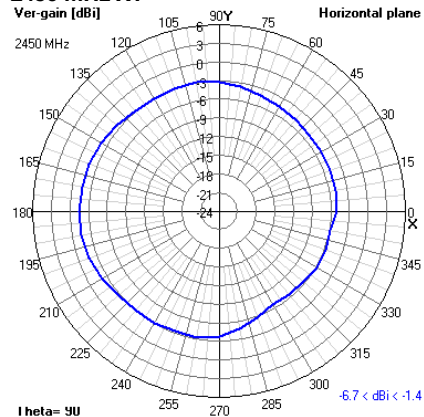
XZ



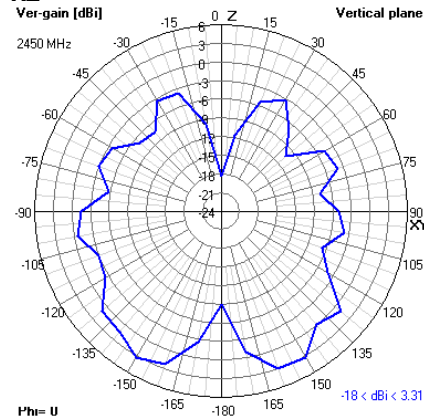
YZ



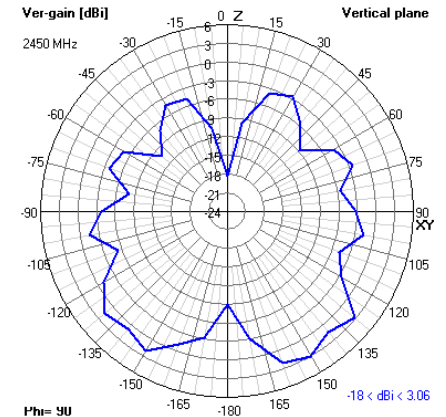
2450 MHz XY



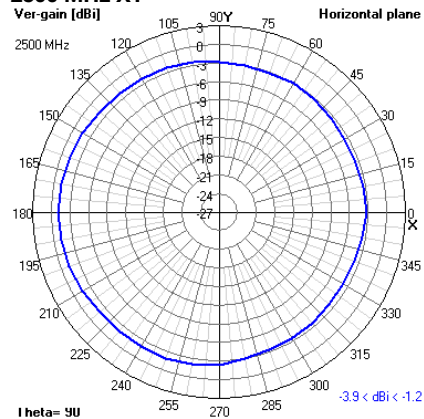
XZ



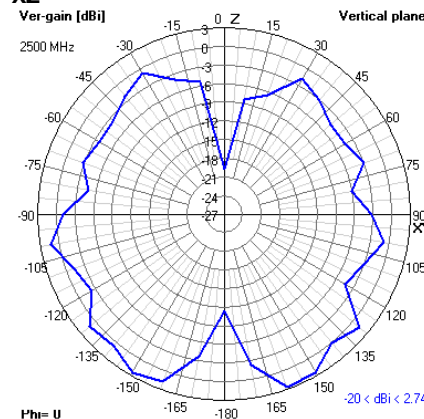
YZ



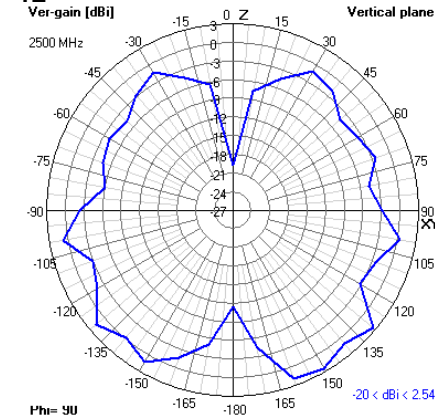
2500 MHz XY



XZ



YZ



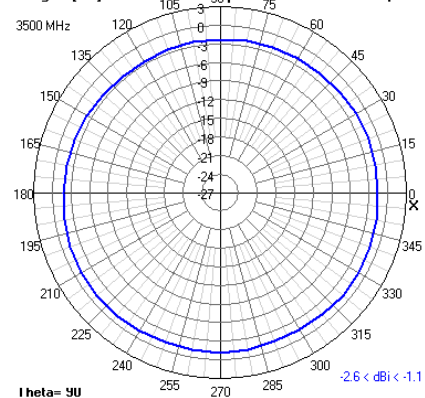


IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

3500 MHz XY

Ver-gain [dBi]

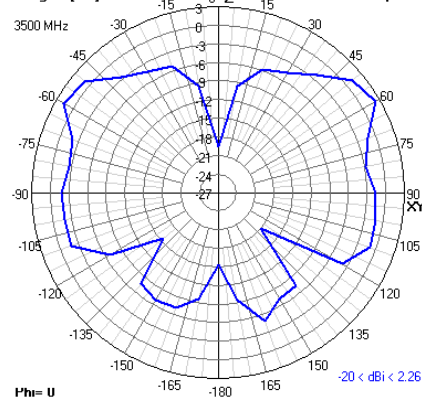
Ver-gain [dBi]	1.05	90Y	75	Horizontal plane
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XZ

Ver-gain [dBi]

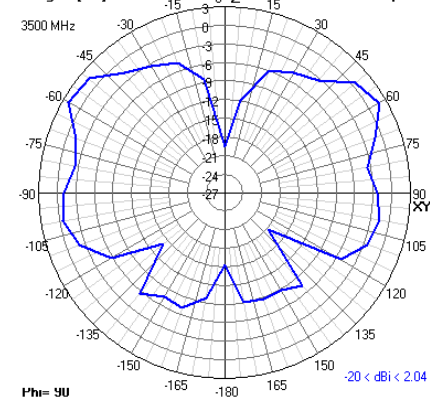
Ver-gain [dBi]	-15	0	15	Vertical plane
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YZ

Ver-gain [dBi]

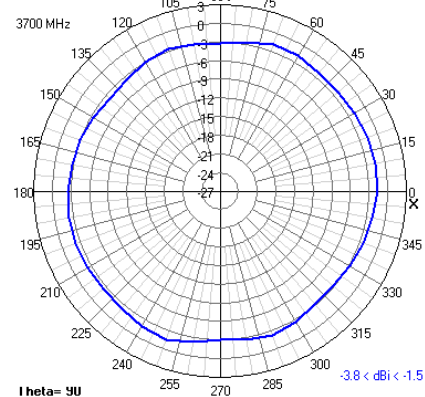
Ver-gain [dBi] 15 0 15 Vertical plane



3700 MHz XY

Ver-gain [dBi]

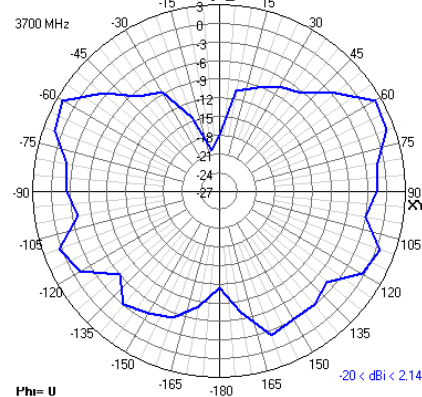
Ver-gain [dBi]	105	90Y	75	Horizontal plane
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XZ

Ver-gain [dBi]

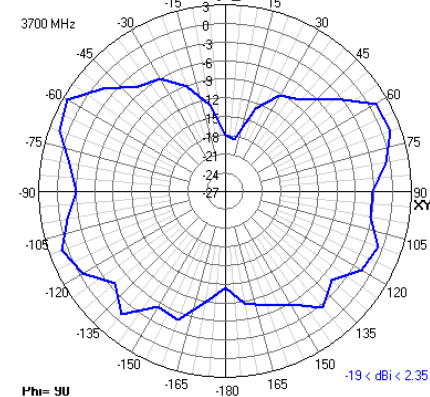
Ver-gain [dBi] -15 0 15 Vertical plane



YZ

Ver-gain [dBi]

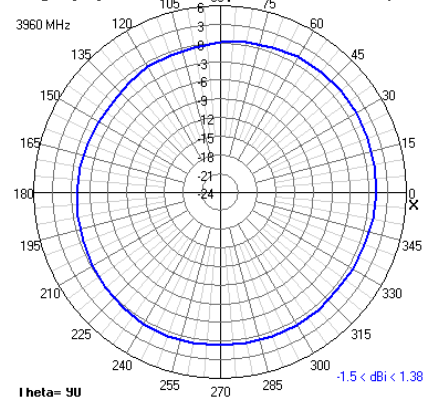
Ver-gain [dBi] -15 0 15 Vertical plane



3960 MHz XY

Ver-gain [dBi]

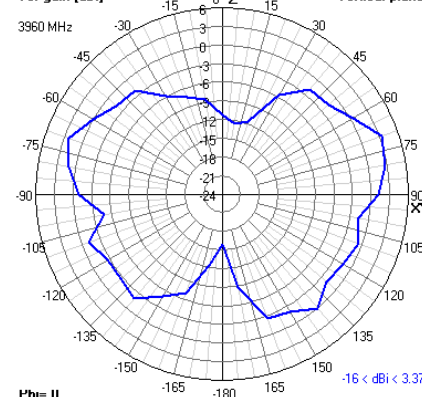
Ver-gain [dBi]	10E	90Y	7E	Horizontal plane
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XZ

Ver-gain [dBi]

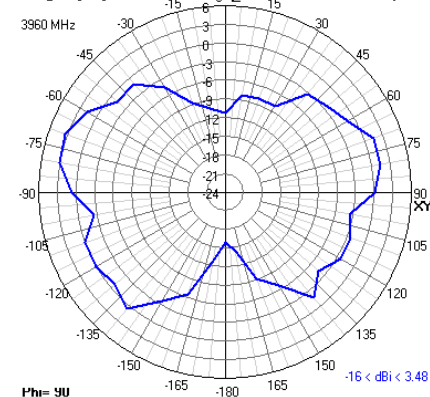
Ver-gain [dBi]	15	0	15	Vertical plane
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YZ

Ver-gain [dBi]

Ver-gain [dBi] 15 0 15 Vertical plane



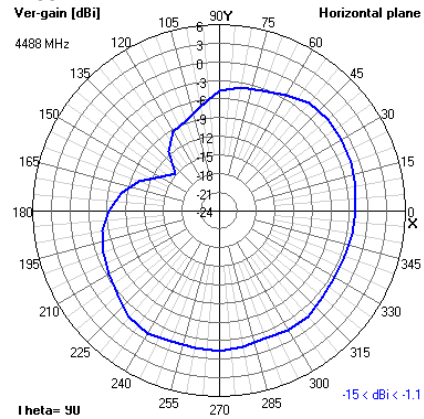


Delta 54

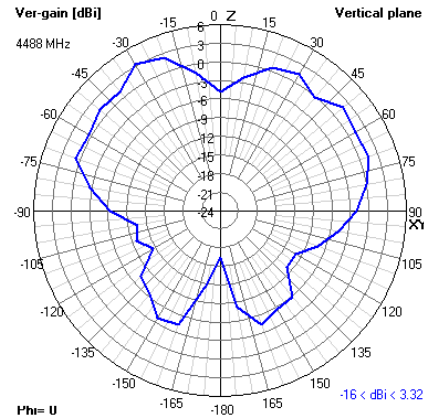
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

2D Radiation Plots

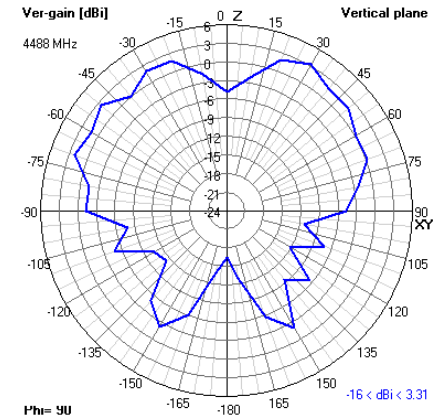
4488 MHz XY



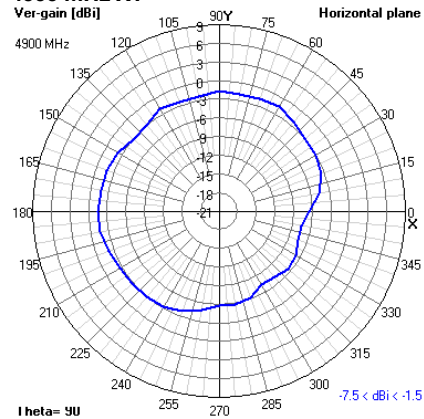
XZ



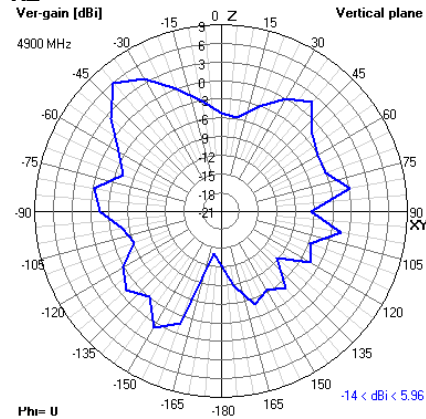
YZ



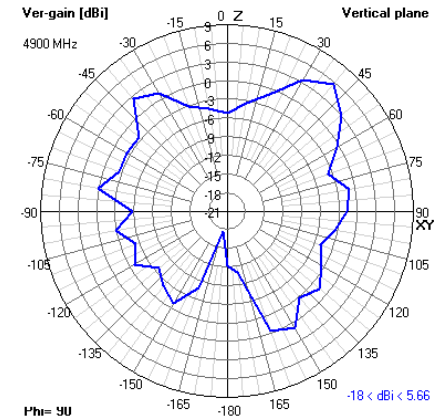
4900 MHz XY



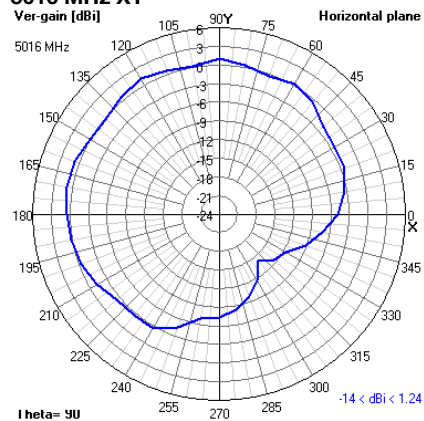
XZ



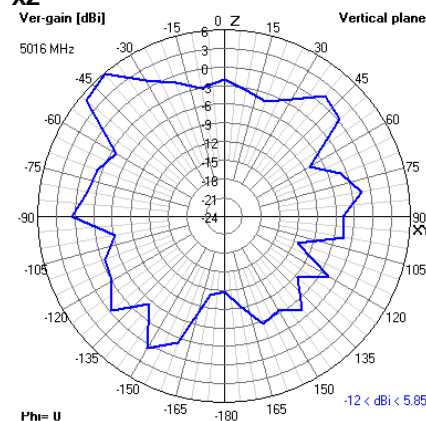
YZ



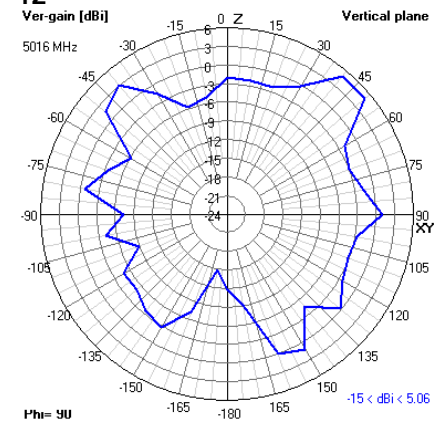
5016 MHz XY



XZ



YZ



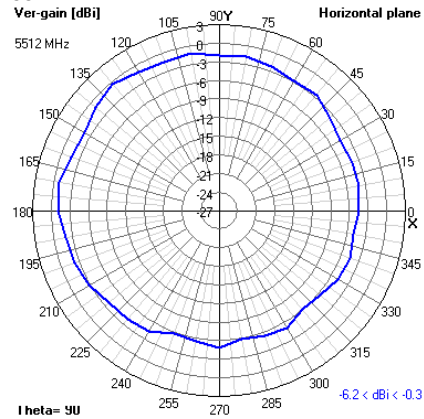
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

Delta 54

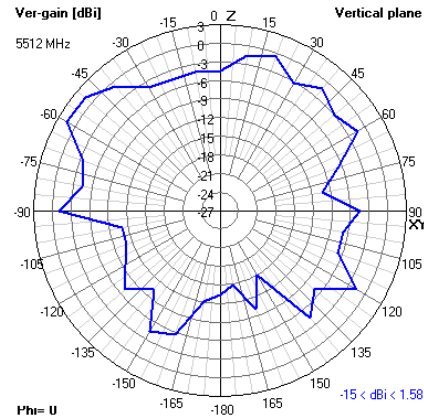
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

2D Radiation Plots

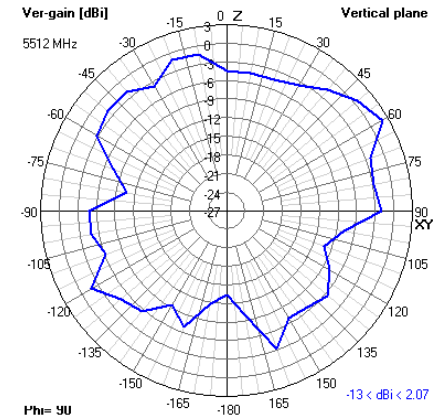
5512 MHz XY



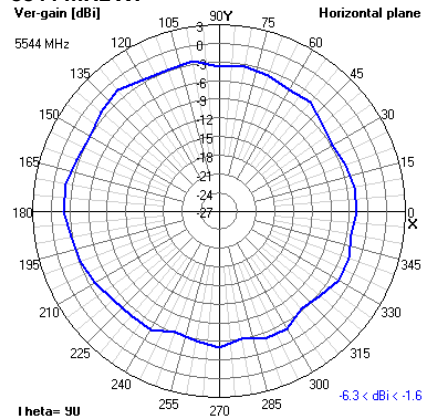
XZ



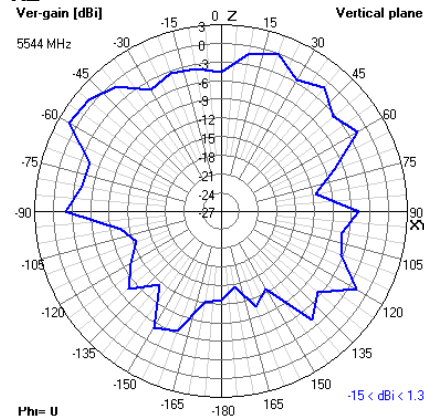
YZ



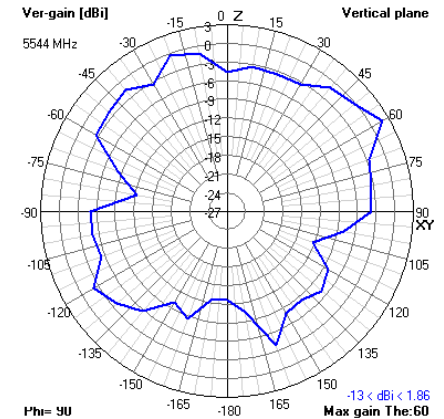
5544 MHz XY



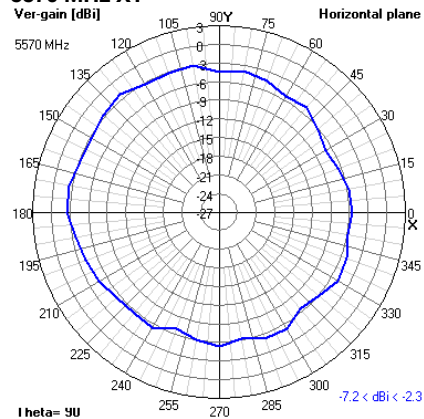
XZ



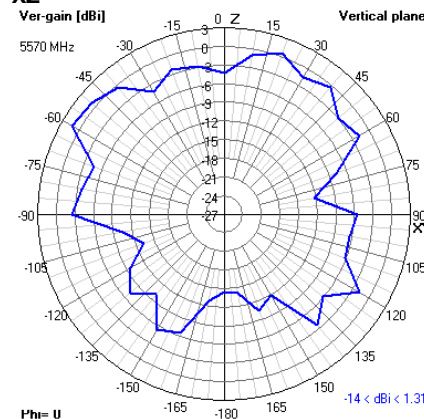
YZ



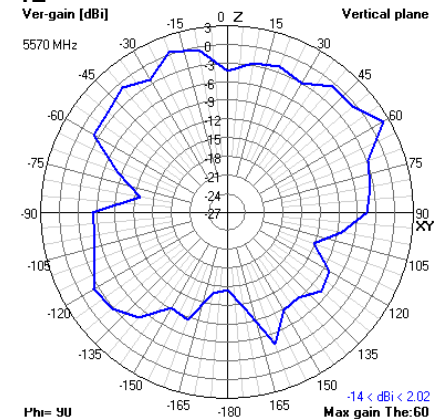
5570 MHz XY



XZ



YZ

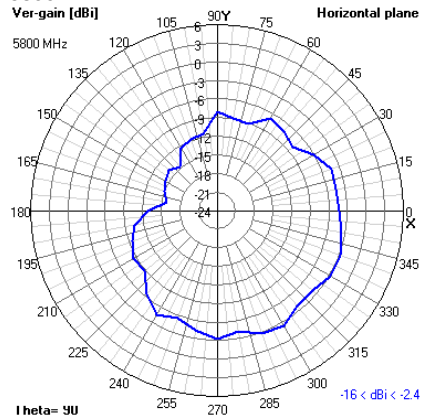


Delta 54

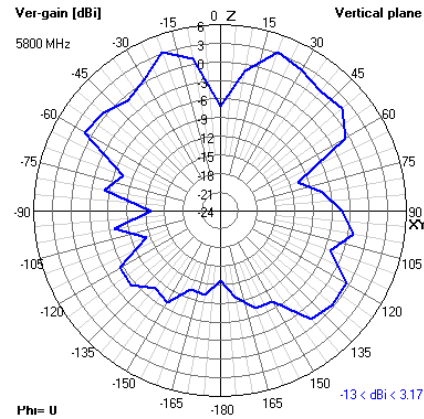
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

2D Radiation Plots

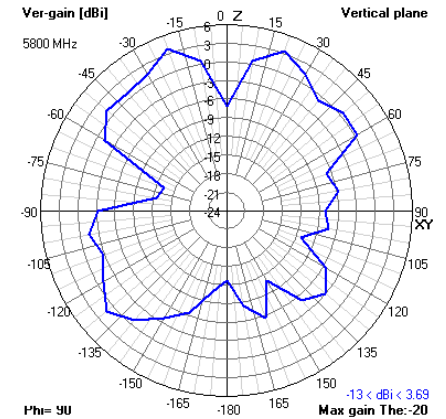
5800 MHz XY



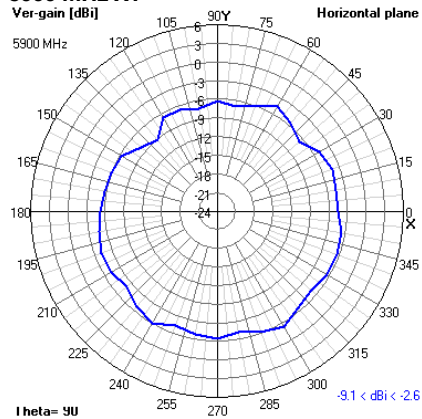
XZ



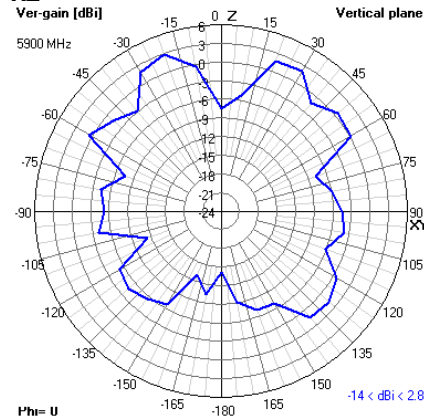
YZ



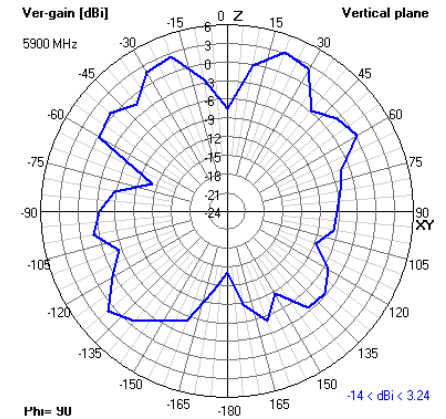
5900 MHz XY



XZ



YZ

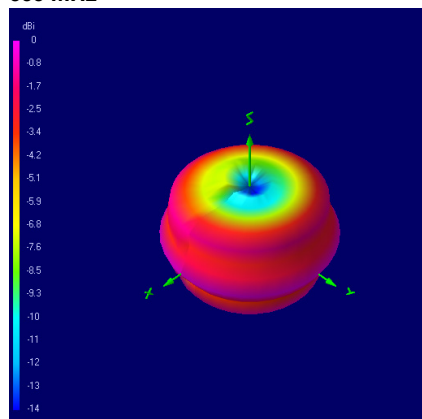


Delta 54

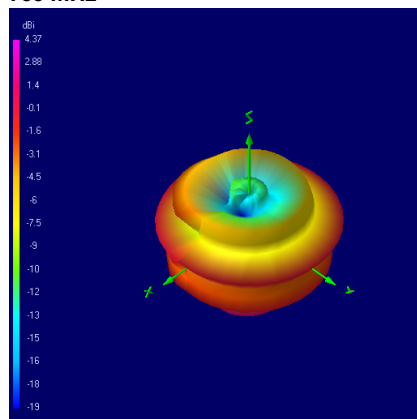
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

3D Radiation Plots

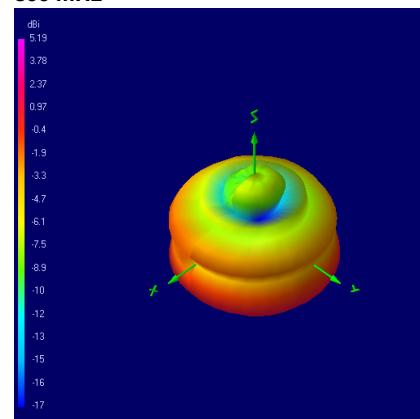
600 MHz



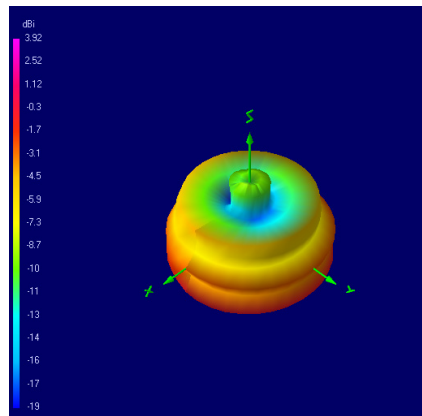
700 MHz



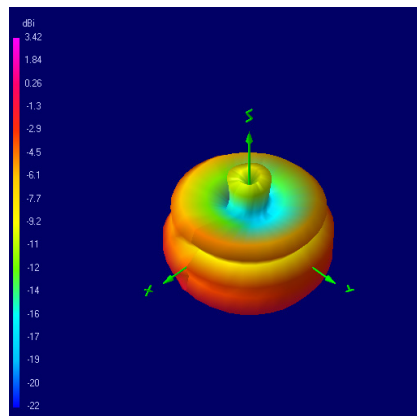
800 MHz



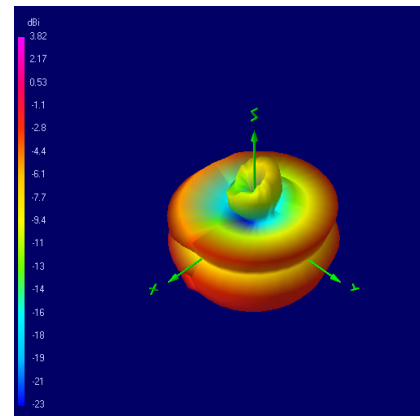
850 MHz



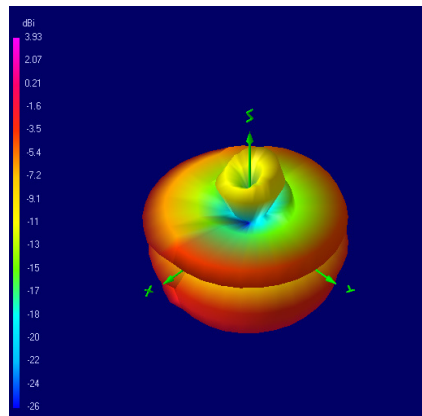
866 MHz



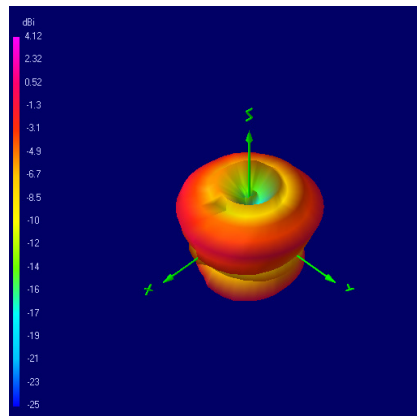
900 MHz



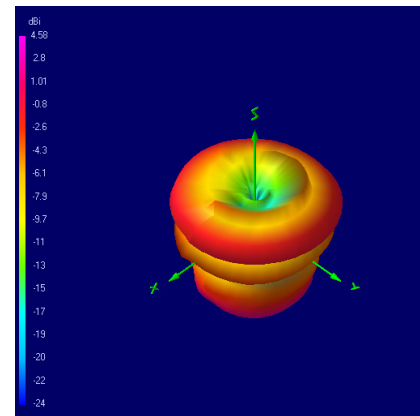
915 MHz



1500 MHz



1600 MHz

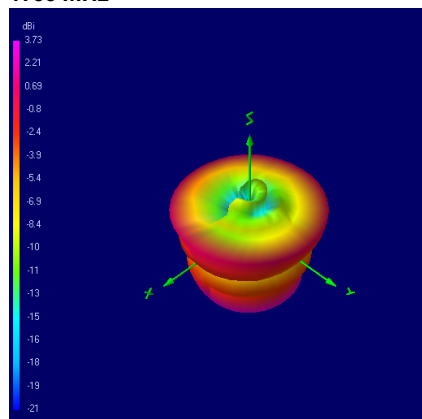


Delta 54

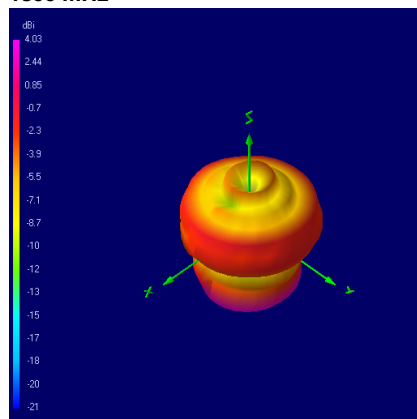
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

3D Radiation Plots

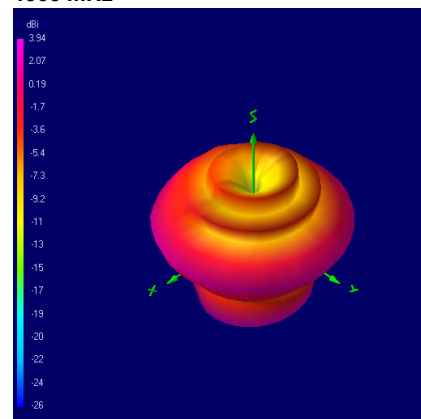
1700 MHz



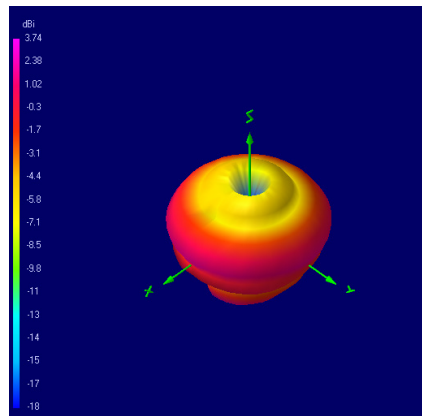
1800 MHz



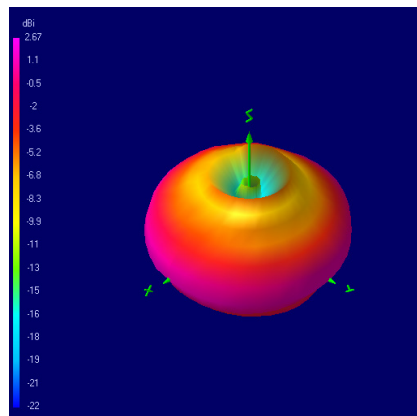
1900 MHz



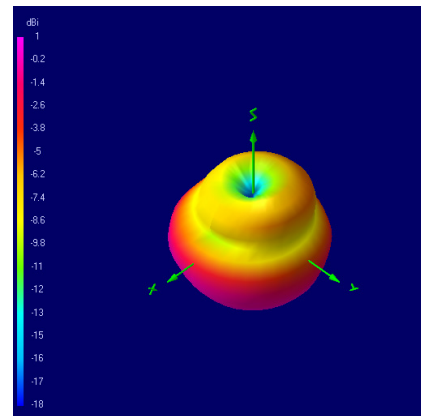
2000 MHz



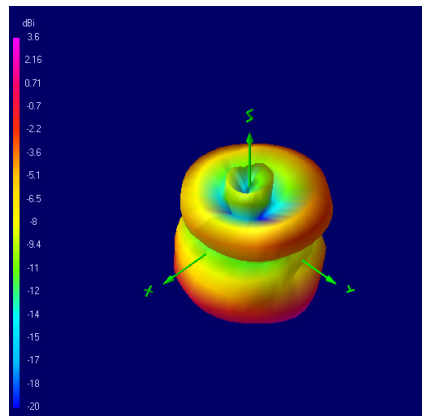
2100 MHz



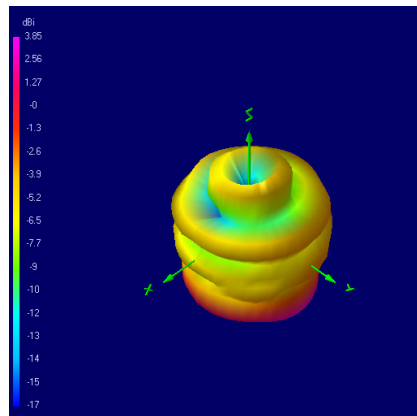
2300 MHz



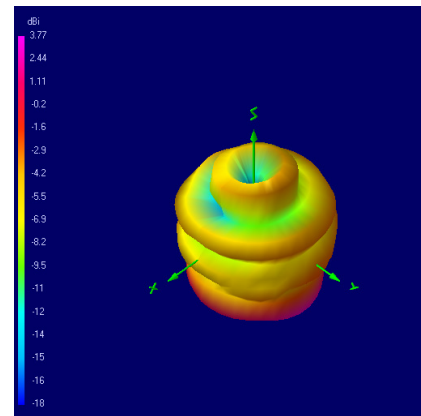
2400 MHz



2437 MHz



2442 MHz



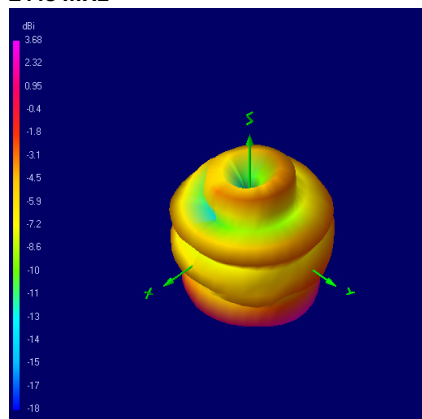


Delta 54

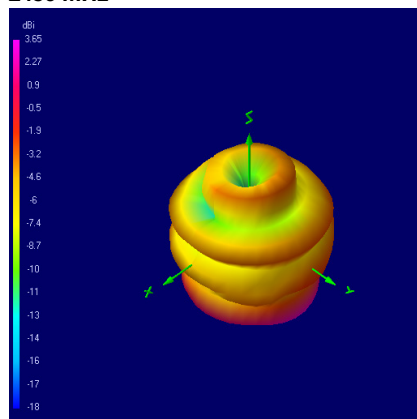
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

3D Radiation Plots

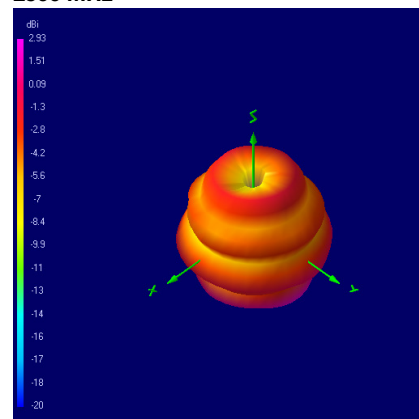
2448 MHz



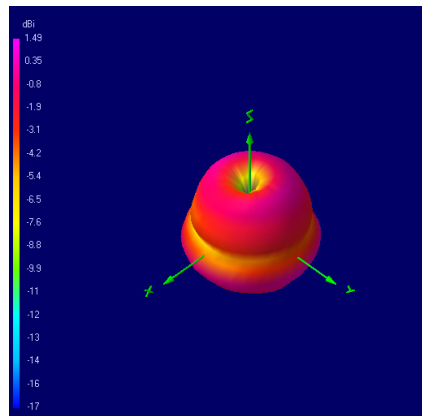
2450 MHz



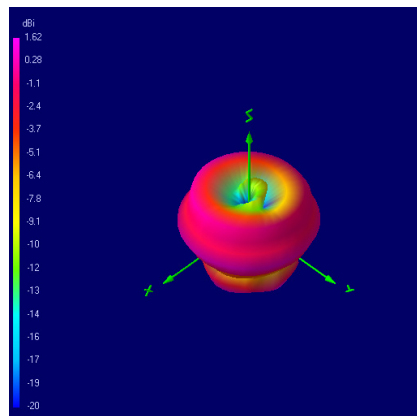
2500 MHz



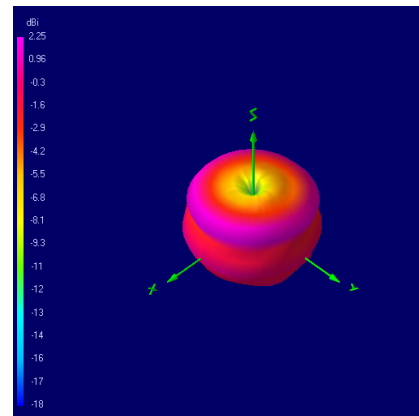
2600 MHz



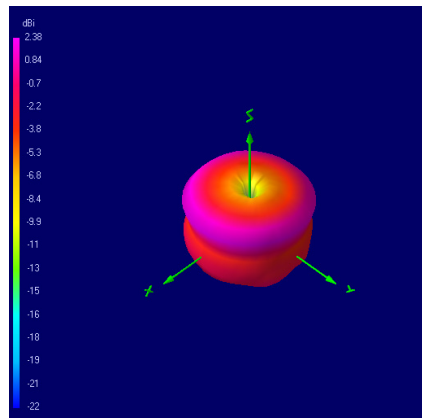
3300 MHz



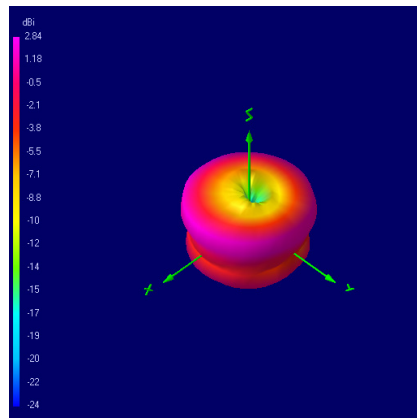
3432 MHz



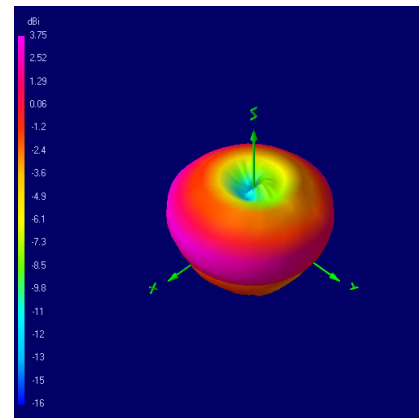
3500 MHz



3700 MHz



3960 MHz

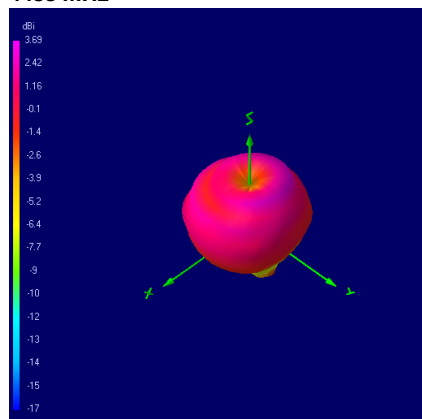


Delta 54

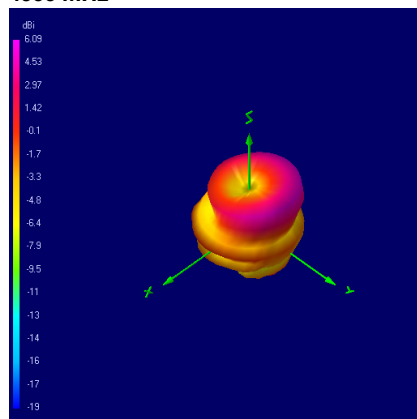
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

3D Radiation Plots

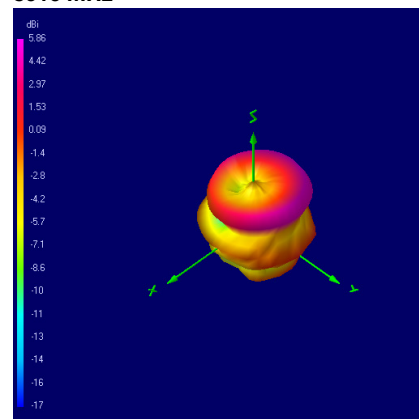
4488 MHz



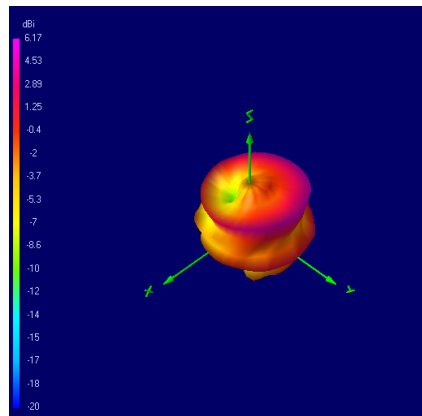
4900 MHz



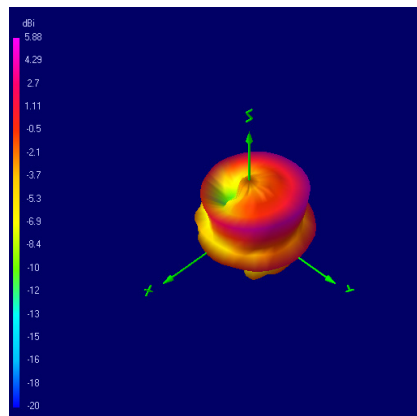
5016 MHz



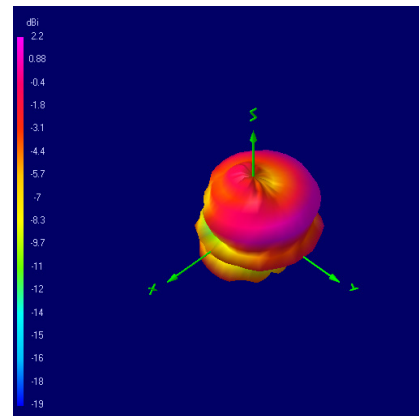
5200 MHz



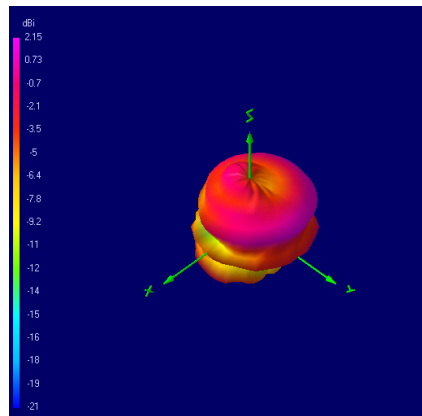
5240 MHz



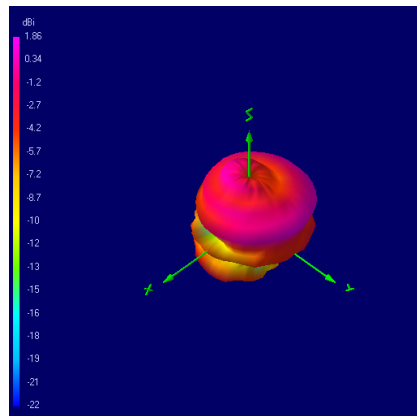
5482 MHz



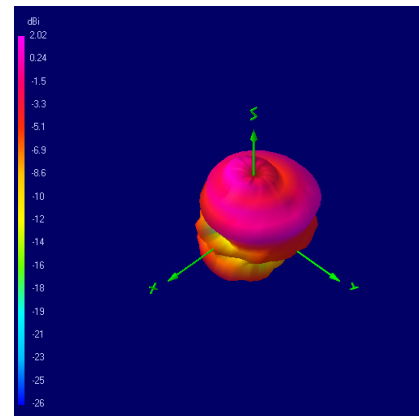
5512 MHz



5544 MHz



5570 MHz



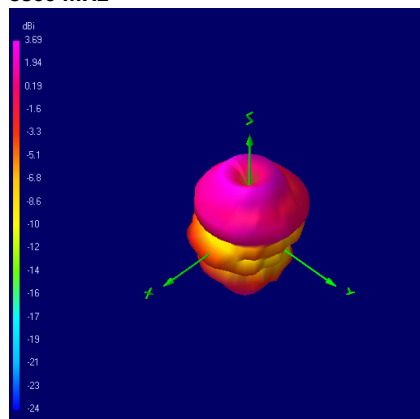


Delta 54

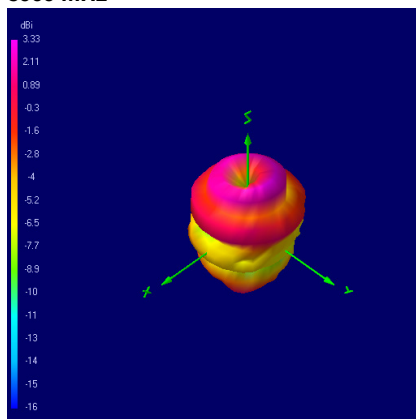
IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna

3D Radiation Plots

5800 MHz



5900 MHz



NOTE: All 3D radiation plots are shown with Theta = 45 and Phi = 45.

Ordering Details:

Part Number	Description
DELTA54/X/NTYPE-F/S/S/32	IP67 N-Type Female Wideband 5G/4G and Wi-Fi Terminal Mount Antenna