

698-960 & 1710-2700 MHz LTE WORLD BAND ANTENNA

Part Number: X-2372112-X

(see page 5 for details)

FEATURES & BENEFITS

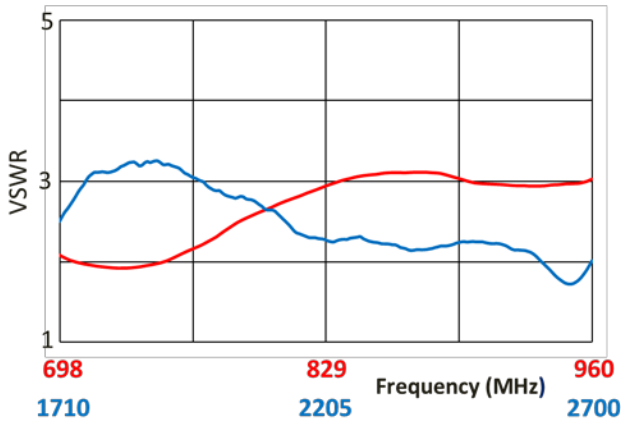
- Adhesive backing on the FPC simplifies mounting within the device
- Omnidirectional coverage
- Efficient design reduces power usage
- No matching components required

SPECIFICATIONS (Shown with 100 mm cable, Others can vary with different cable)

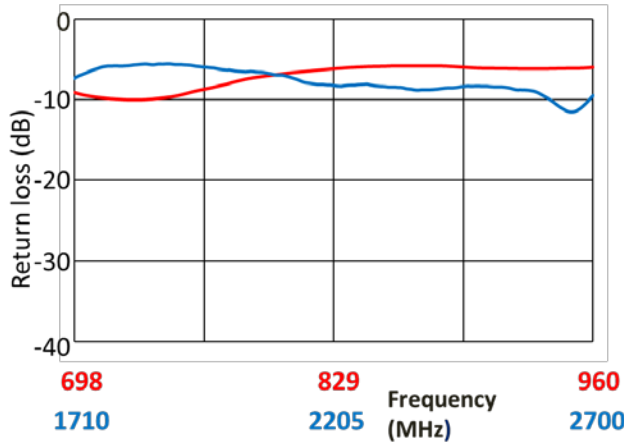
Frequency Range (MHz)	698-960	1710-2700
VSWR	< 3.2:1	< 3.3:1
Efficiency	45%	57%
Average Gain	--3.5dBi	-2.5dBi
Peak Gain	-0.1dBi	3.9dBi
Power Handling	10 Watt cw	
Feed Point Impedance	50 ohms unbalanced	
Polarization	Linear	
Size	65 mm x 15 mm x 0.2 mm	
Weight	< 2.0 g	
Mounting	Adhesive Tape	
Mating Connector	MHF and MHF4L type, refer to page5	
Cable (coaxial)	1.13mm Dia. Refer to page5	
Operating Temperature	-40 to +85°C	
Storage Temperature	-40 to +85°C	
Hazardous Materials	A certificate of conformance is available from the product page on TE website.	

RF DATA (Shown with 100 mm cable, Others can vary with different cable)

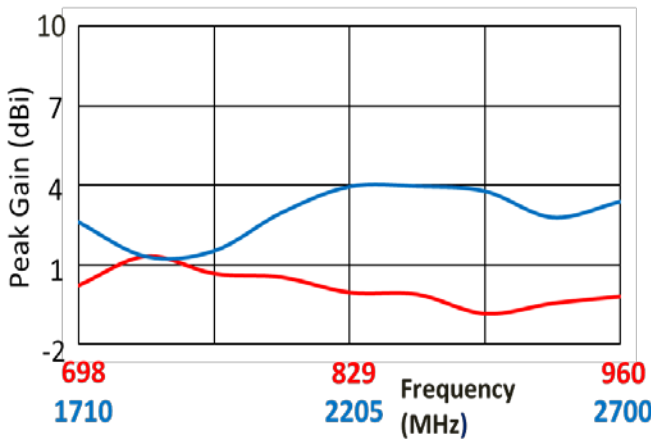
VSWR



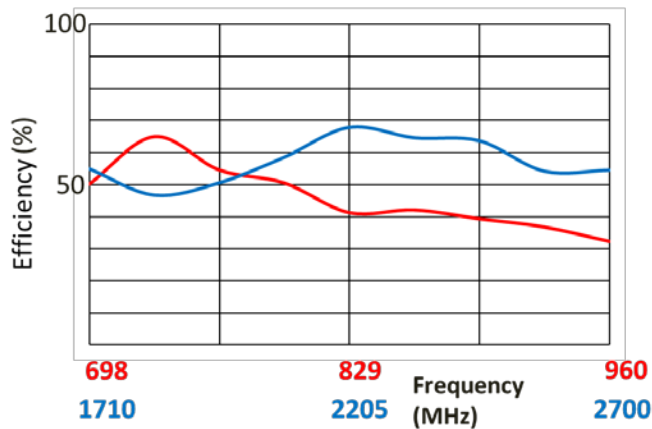
Return Loss



Peak Gain

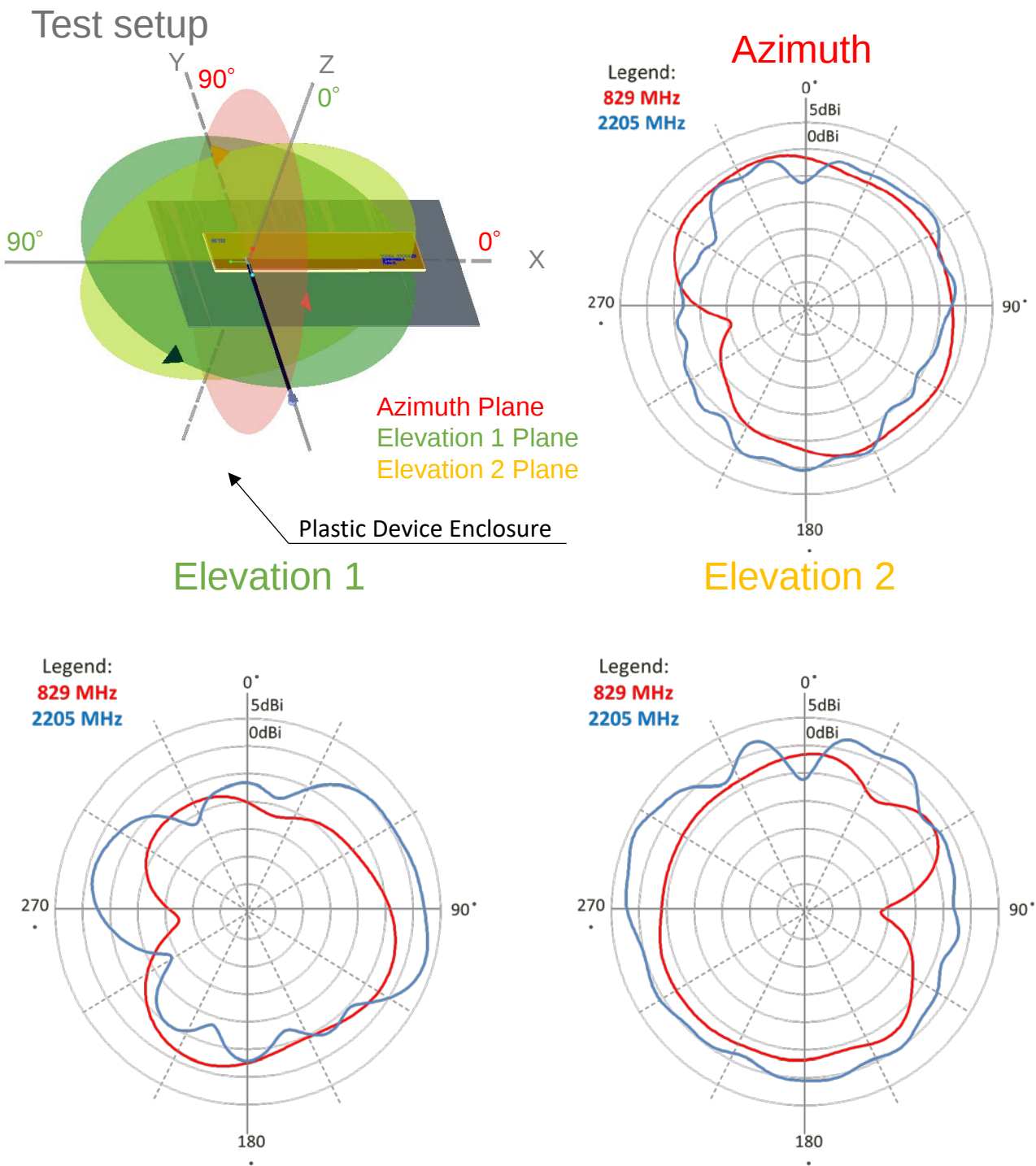


Efficiency



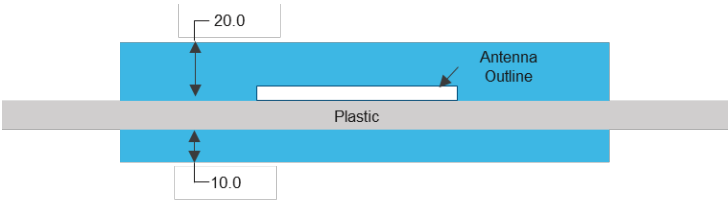
Data measured in free space and on 1.8 mm thick PC plastic

RADIATION PATTERN (Shown with 100 mm cable, Others can vary with different cable)

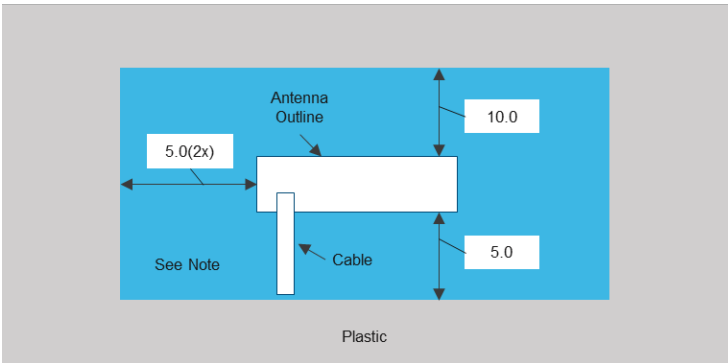


Data measured in free space and on 1.8 mm thick PC plastic

KEEP OUT AREA

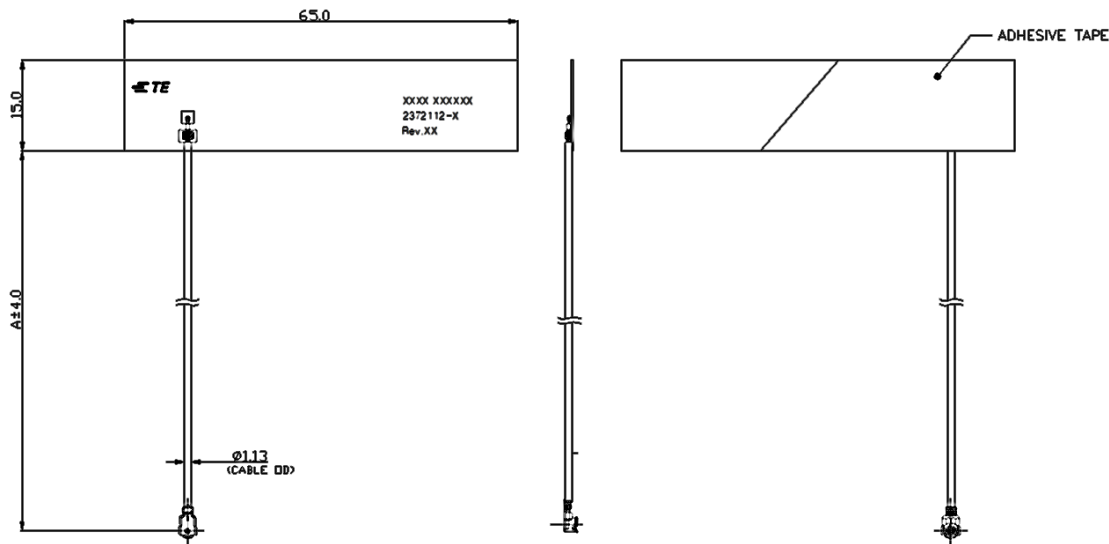


- NOTES**
- 1. Antenna designed to be mounted on plastic cover.
 - 2. Area in blue indicates Keep Out Area.
 - 3. For more information please call TE.



Dimension: mm
Diagrams is not to scale

DIMENSIONS
(Refer to Page5 for dimension “A”)

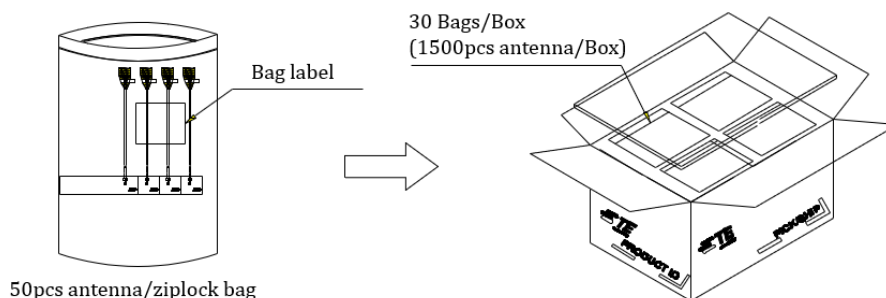


Dimensions: mm
Diagram is not to scale

MATING COMPONENTS TO PART NUMBERS AND DIMENSIONS

1-2372112-2	300	11.81	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
1-2372112-1	250	9.84	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2372112-9	200	7.87	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2372112-1	150	5.90	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2372112-4	130	5.12	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2372112-2	100	3.93	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2372112-3	80	3.15	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2372112-8	50	1.97	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
2372112-7	26	1.02	1.13	MHF-TYPE PLUG	RECEPTACLE (TE PN: 2337019-1)	
1-2372112-6	300	11.81	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2372112-5	250	9.84	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2372112-4	200	7.87	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2372112-5	150	5.90	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
2372112-6	100	3.93	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
1-2372112-3	50	1.97	1.13	MHF4L-TYPE PLUG	RECEPTACLE (TE PN: 2334884-1)	
PART NUMBER	MM	INCH	CABLE (OD) mm	CONNECTOR TYPE (ON CABLE)	PART NUMBER	IMAGE
CABLE LENGTH(A)		MATING COMPONENTS				

PACKAGING



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