



METASPAN

698-960, 1710-2170 & 2300-2700 MHz

LTE / NB-IoT

WORLD BAND ANTENNA

Part Number: 2118614-1

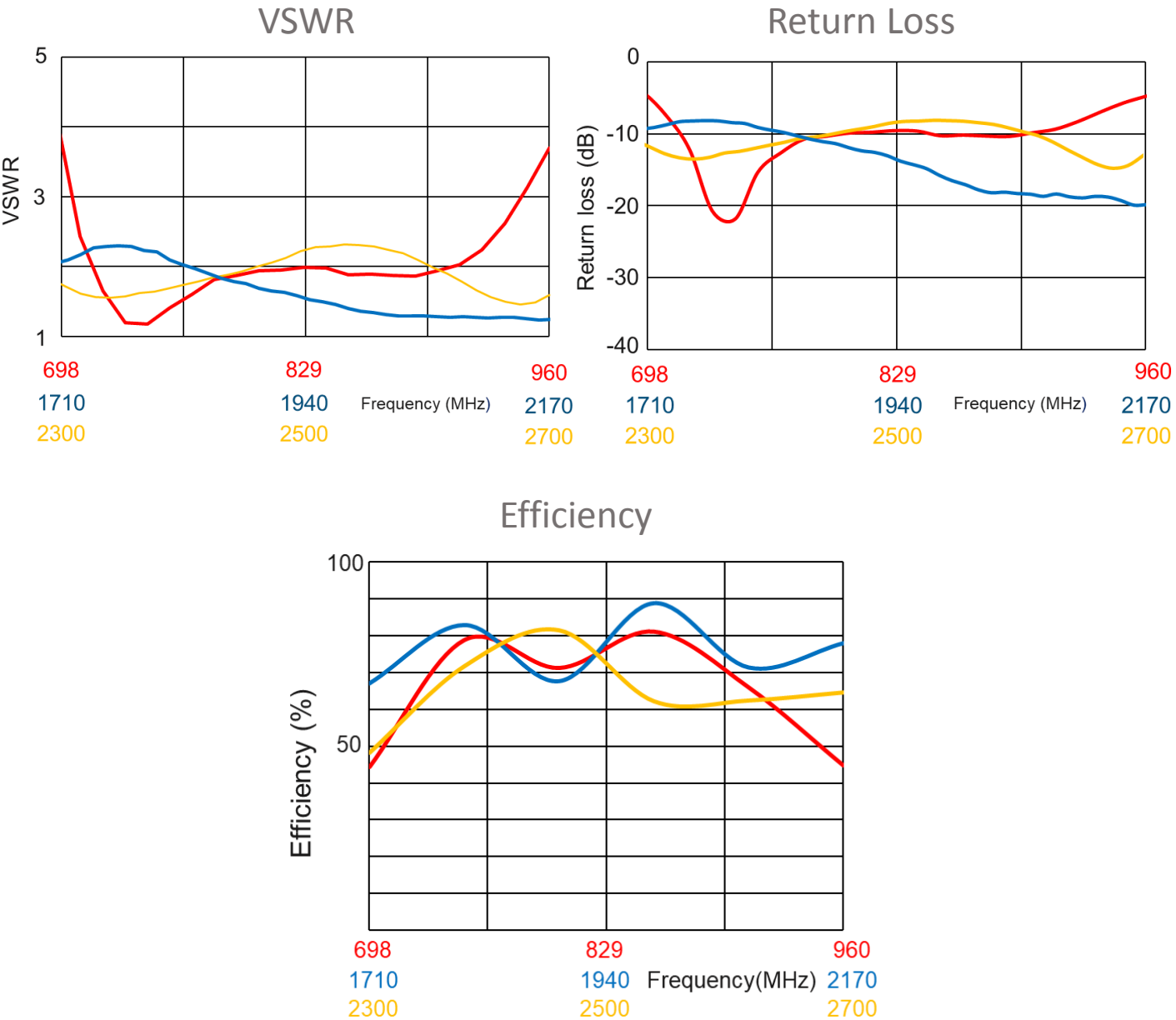
FEATURES & BENEFITS

- High efficiency 3G/4G/NB-IoT antenna
- Uses MetaSpan technology for global frequency band coverage
- Minimal keep out zone requirement
- Performance dependent on ground plane size/ design
- PCB type tab mount (through hole technology)

SPECIFICATIONS

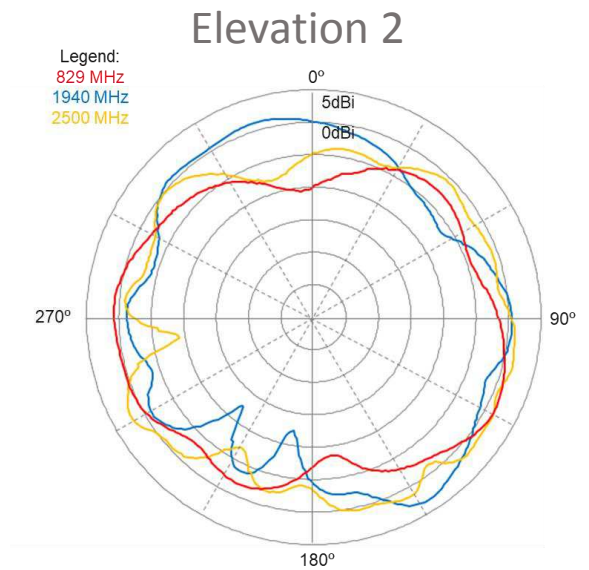
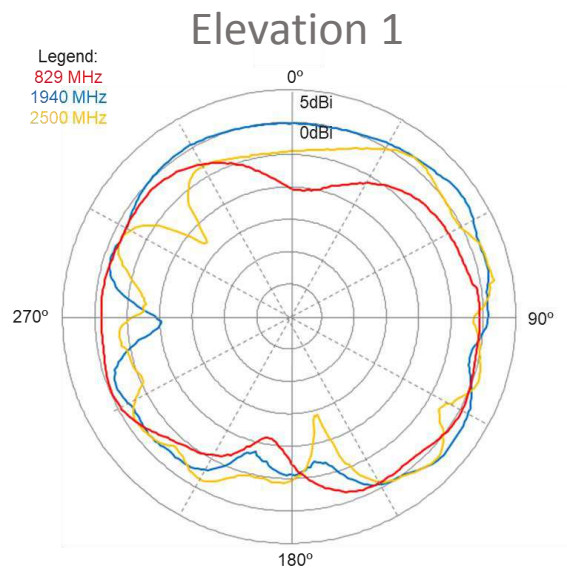
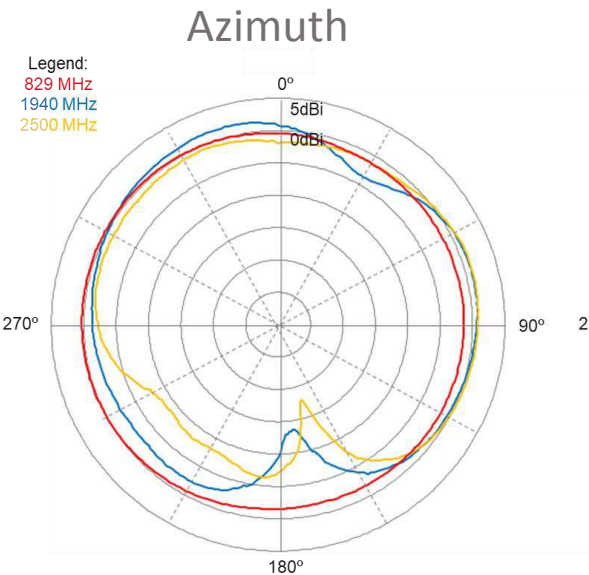
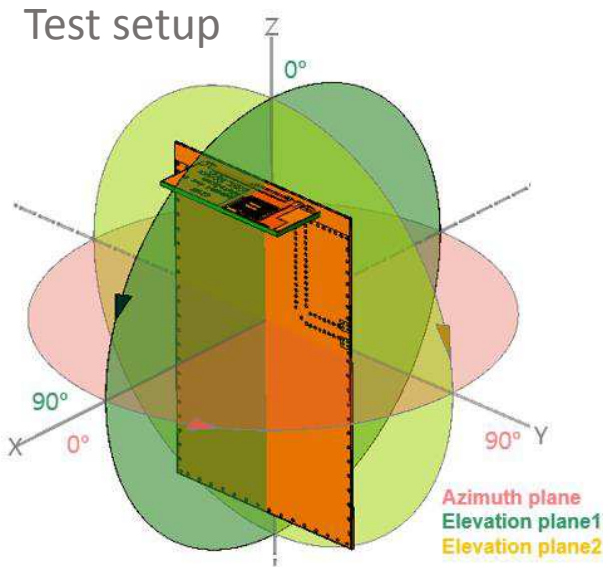
Frequency Range (MHz)	698-960	1710-2170	2300-2700
VSWR	< 4.0:1	< 2.5:1	<2.5:1
Average Efficiency	65%	75%	65%
Peak Gain	1.3dBi	3.3dBi	2.1dBi
Average Gain	-1.9dBi	-1.3dBi	-1.9dBi
Power Handling	10 Watt cw		
Feed Point Impedance	50 ohms unbalanced		
Polarization	Linear		
Size	50.0 mm x 20.0 mm x 1.64 mm		
Weight	< 2.0 g		
Mounting	TAB mount, through hole technology		
Operating Temperature	-40 to +85°C		
Storage Temperature	-40 to +85°C		
Packaging Specification	Bag & Box		
Hazardous Materials	A certificate of conformance is available from the product page on TE website.		
Data measured in free space and on reference GND plane of 109 mm length and 72.5 mm width, application data might vary			

RF DATA



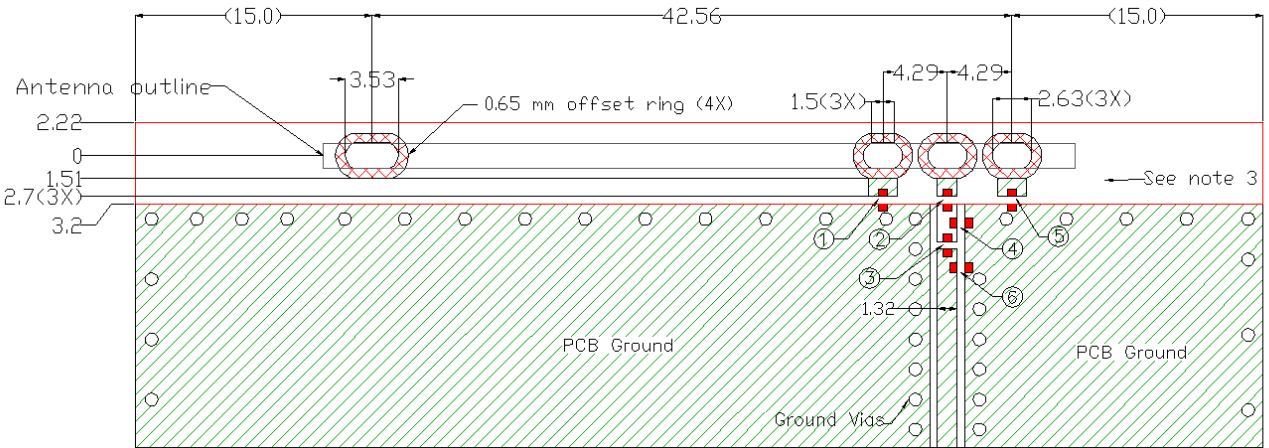
Data measured in free space and on reference GND plane of 109 mm length and 72.5 mm width, application data might vary

RADIATION PATTERN



Data measured in free space and on reference GND plane of 109 mm length and 72.5 mm width, application data might vary

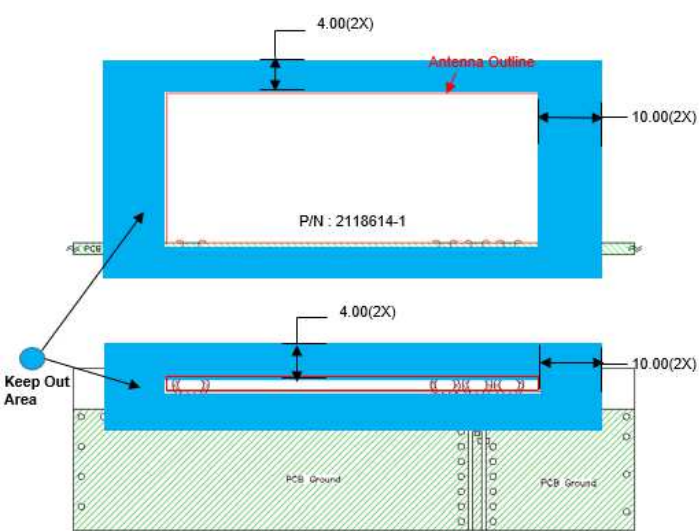
MOUNTING GUIDE



- NOTES: 1. Antenna must be mounted on the edge of PCB.
2. NC = No connection (mechanical mounting pads).
3. No copper allowed in designated area on all PCB layers –
4. For more information please call TE.
5. Measured with below matching circuit condition.
 ① 1nH, ② 1.8nH, ③ 4.7pF, ④ 12nH, ⑤ 1nH, ⑥ NC
6. Contact TE if keep out zone cannot be guaranteed

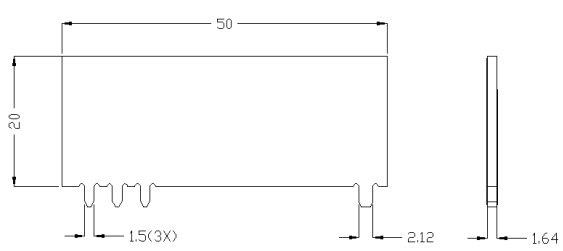
Dimension: mm
Diagrams is not into scale

KEEP OUT AREA



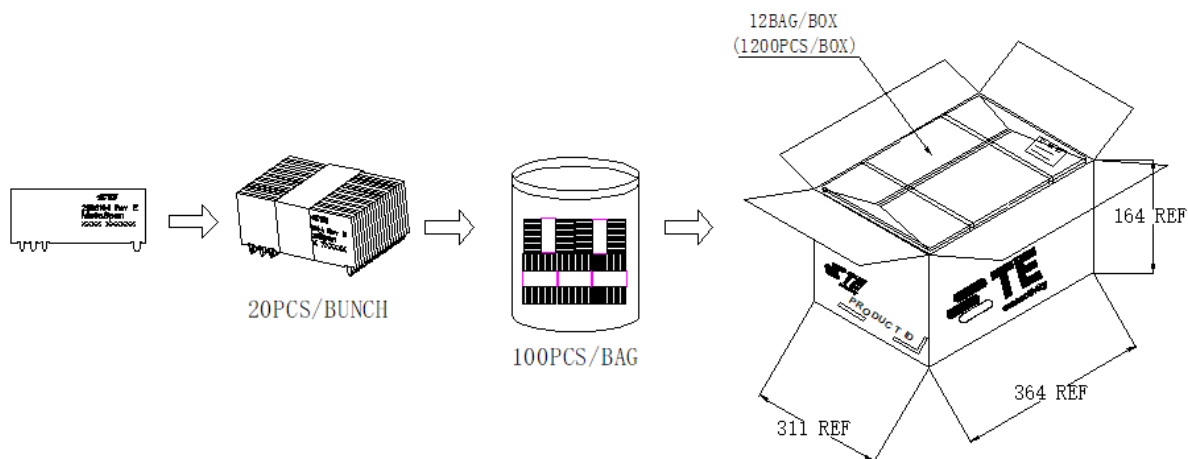
Dimension: mm
Diagrams is not into scale

DIMENSIONS



Dimension: mm
Diagrams is not into scale

PACKAGING



TE TECHNICAL SUPPORT CENTER

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