



Product Name: Terminal Mount LTE Monopole Antenna

Part Number: TA-S7B-A-L02

Features:

- Covering LTE full Bands
- High Efficiency up to 40%
- 90 ° Hinged Right Angle RSMA (M) Connector
- Straight Dimensions: 157.5 x 17.6 mm
- ROHS Compliant

Applications:

- IoT Device Application
- Smart Community Application
- Gateways & Routersess
- Smart Home - Connected Enterprise

LTE Terminal Antenna

MODEL: TA-S7B-A-L02

WI-RD-D-197 V1.1

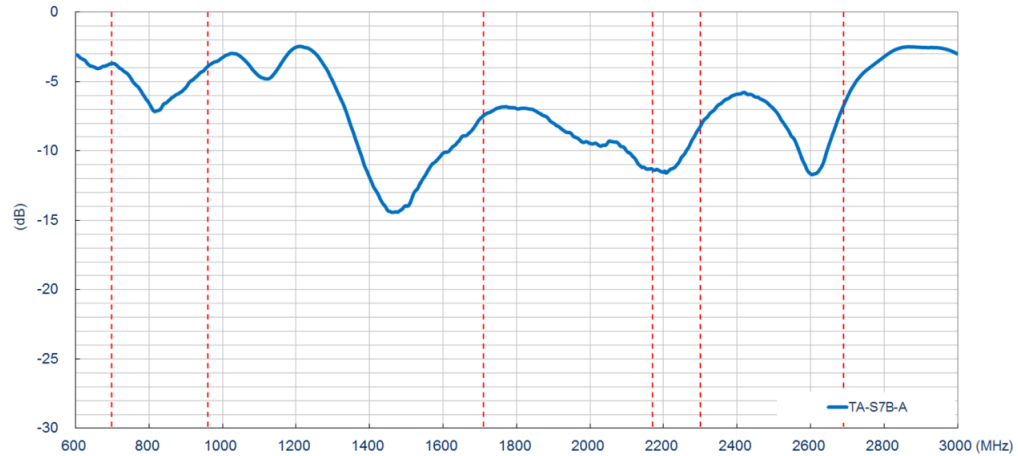
I. Specifications:

Items	LTE Specifications					
Application Bands	LTE 700	GSM 850/900	DCS	PCS	UMTS1	LTE2600
Frequencies (MHz)	698~ 824	824~ 960	1710~ 1880	1850~ 1990	1920~ 2170	2300~ 2690
Efficiency (%)	46.53	48.02	62.44	79.80	76.74	59.01
Average Gain (dBi)	-3.32	-3.19	-2.05	-0.98	-1.15	-2.29
Peak Gain (dBi)	1.00	1.95	3.54	5.00	5.00	4.84
V.S.W.R	< 4.5					
Return Loss	< -4					
Impedance (Ω)	50					
Polarization	Linear					
Physical Properties						
Dimension	157.5 * 17.6 mm					
Operating Temperature (°C)	-30 ~ +65					
Storage Temperature (°C)	-30 ~ +80					
Color	Black					
Cable	178Coaxial Cable					
Connector	Reverse SMA Male					

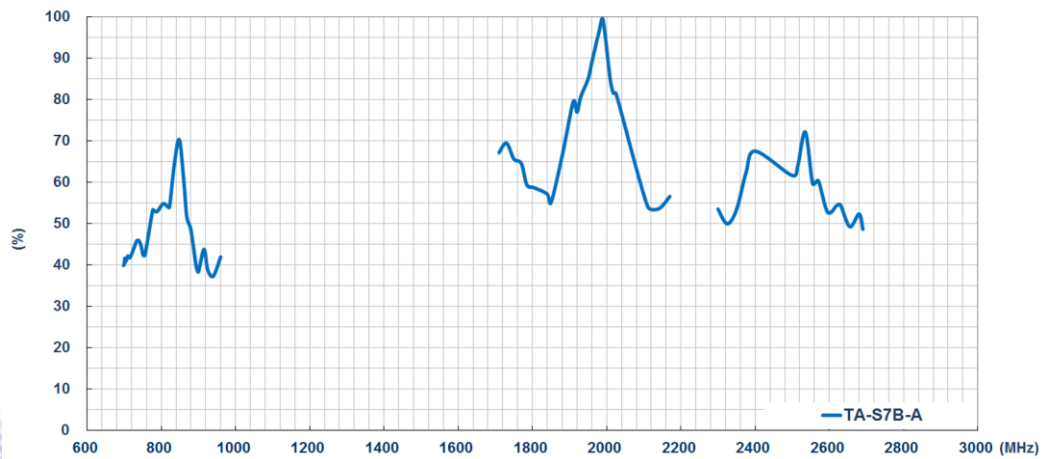
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II. Antenna Electrical Properties:

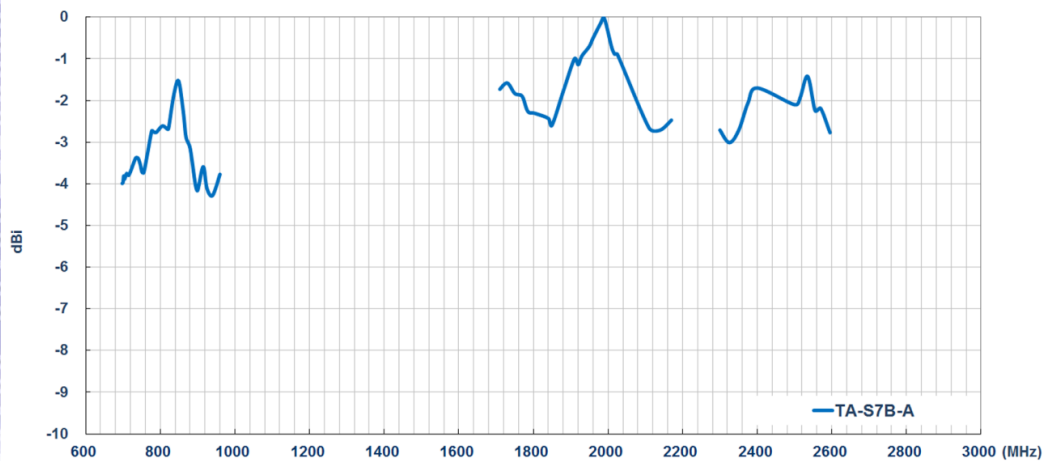
S11 (dB)



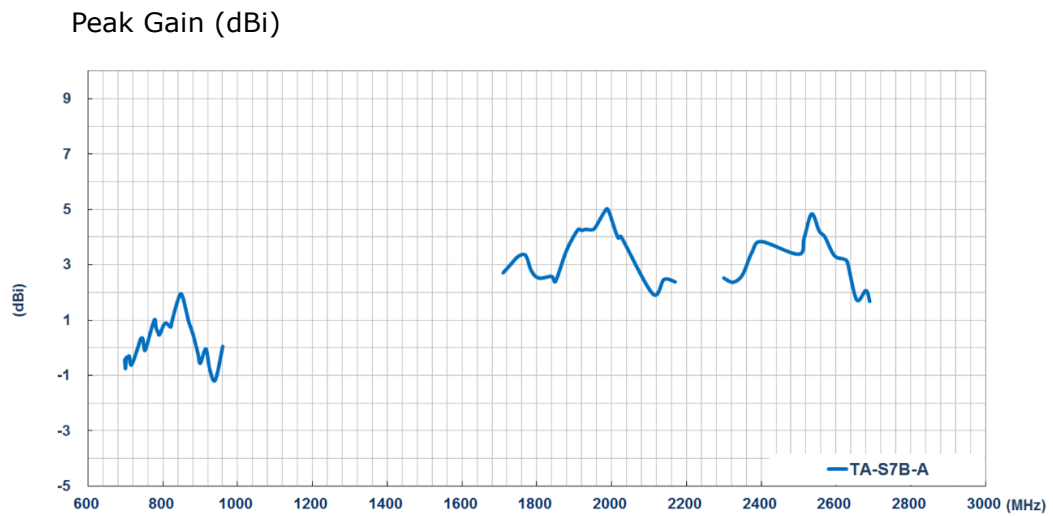
Efficiency (%)



Average Gain (dBi)

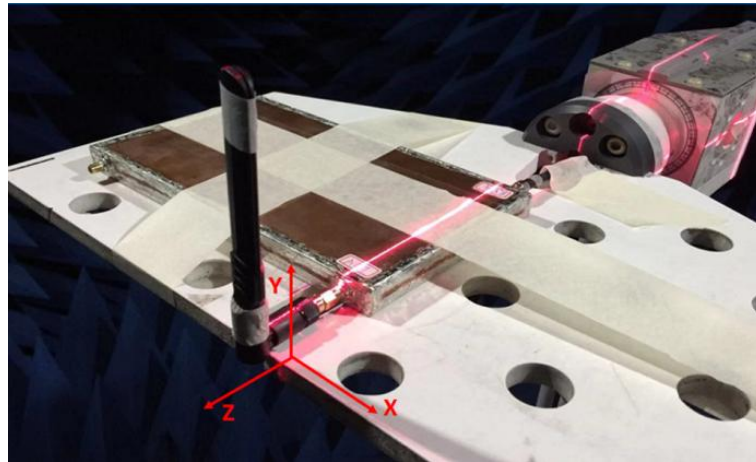


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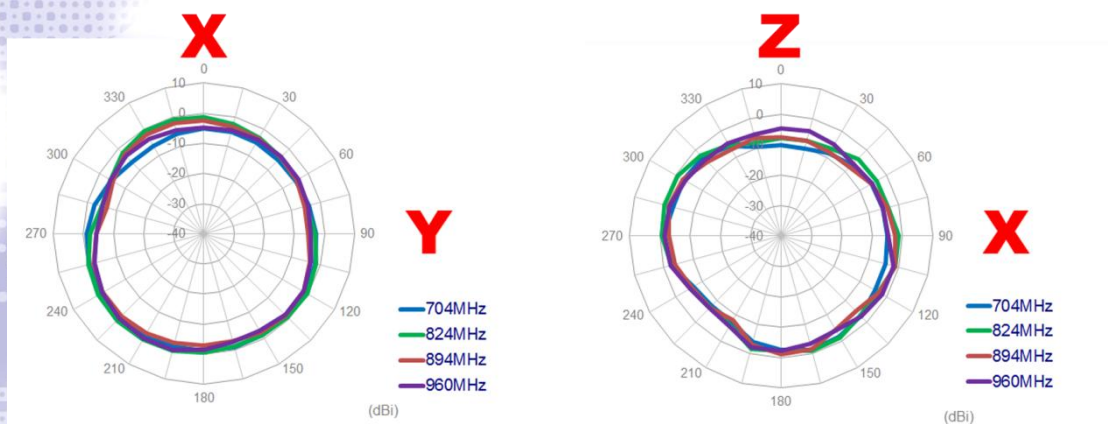


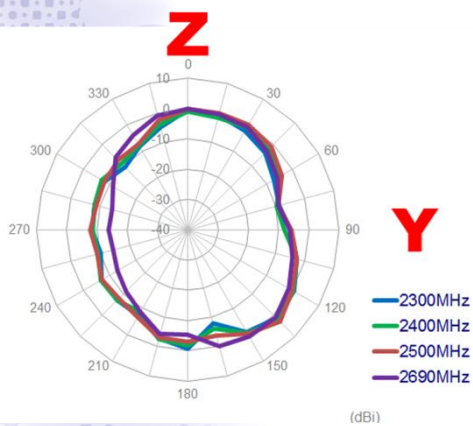
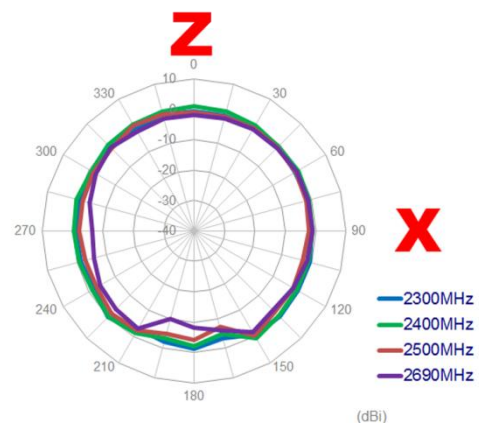
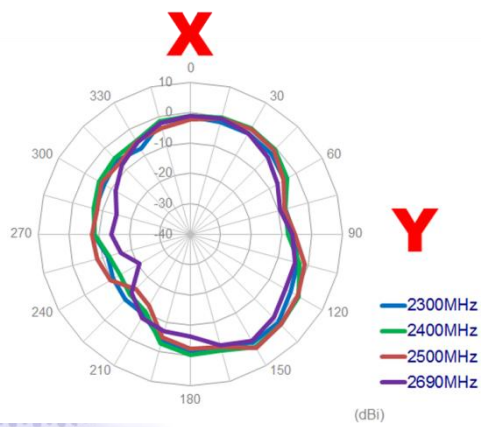
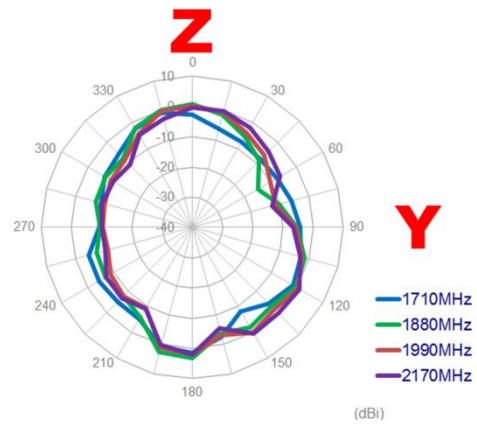
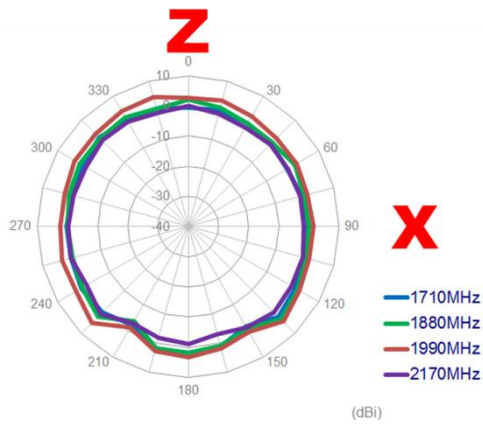
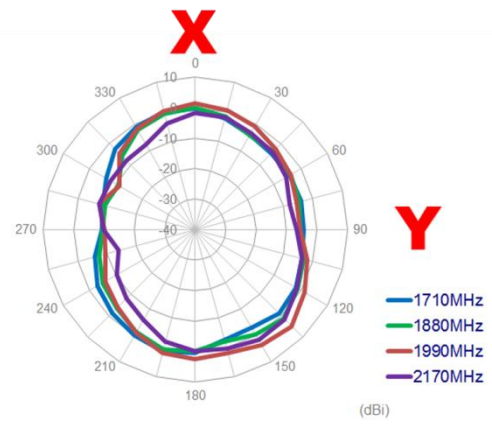
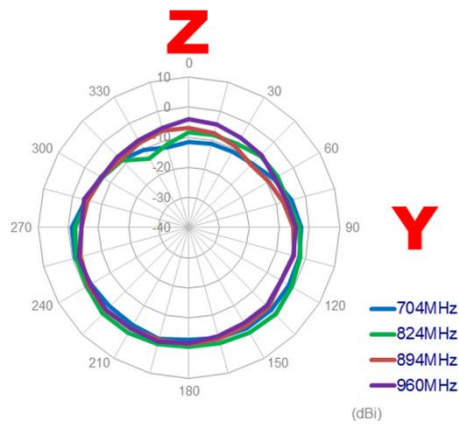
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III. Antenna Radiation Pattern Measurement:



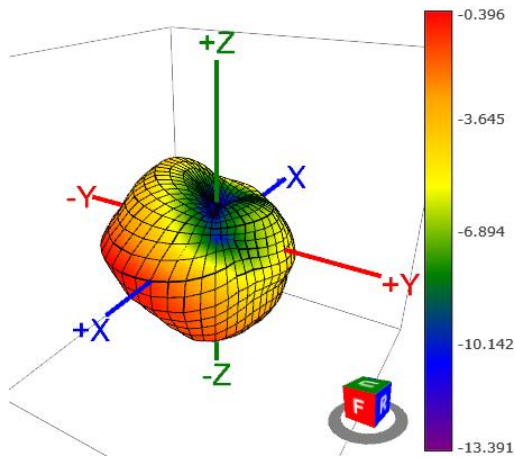
A) 2D Radiation Pattern



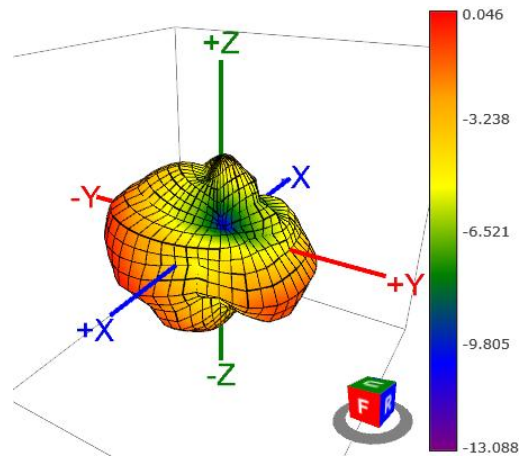


B) 3D Radiation Pattern

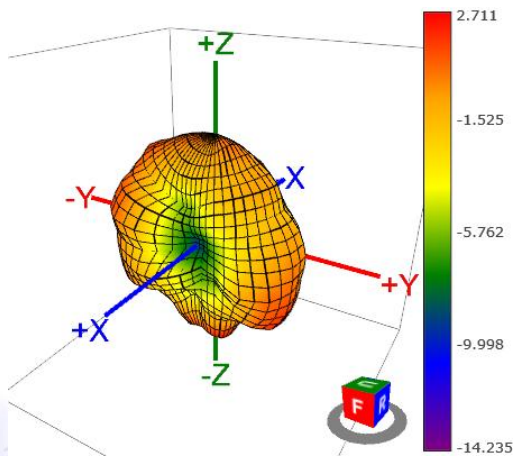
704 MHz



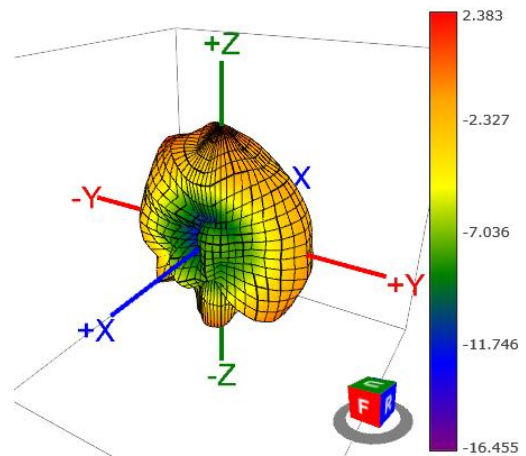
960 MHz



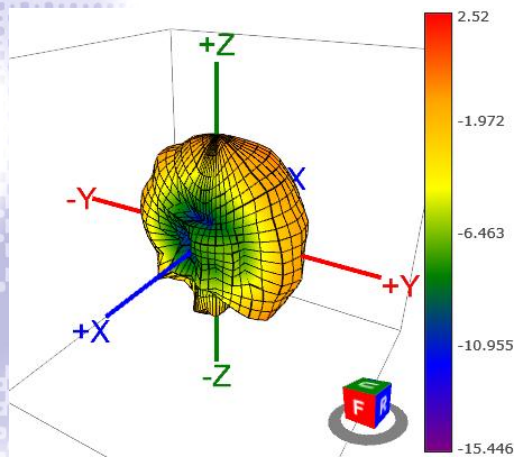
1710 MHz



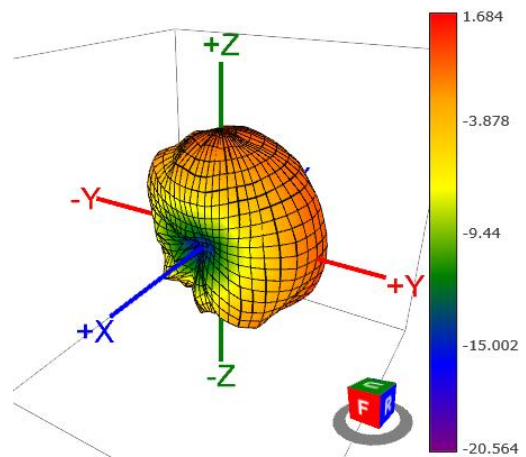
2170 MHz



2300 MHz

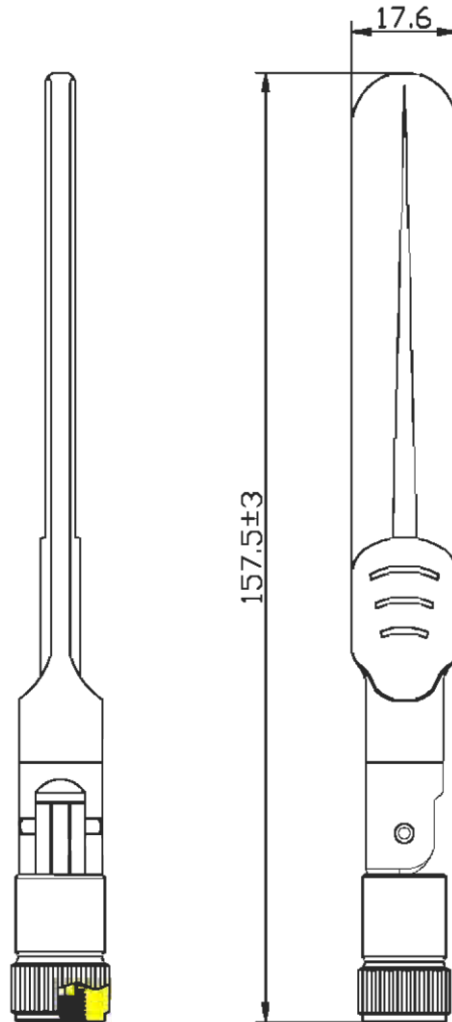


2690 MHz



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IV. Mechanical Drawing (Unit:mm):



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