



Product Name: LTE Hinged Rotatable Terminal Antenna

Part Number: TA-S10B-A-L02

Features:

- Support LTE Bands 698-960MHz, 1710-2690MHz
- Diameter 10mm, Length 108mm
- SMA Male Connector
- RoHS & RECH Compliant

Applications:

- IoT Application
- Router Antenna
- Vehicle Telematics Communication
- Smart Meter Application

LTE Hinged Rotatable Terminal Antenna

MODEL: TA-S10B-A-L02

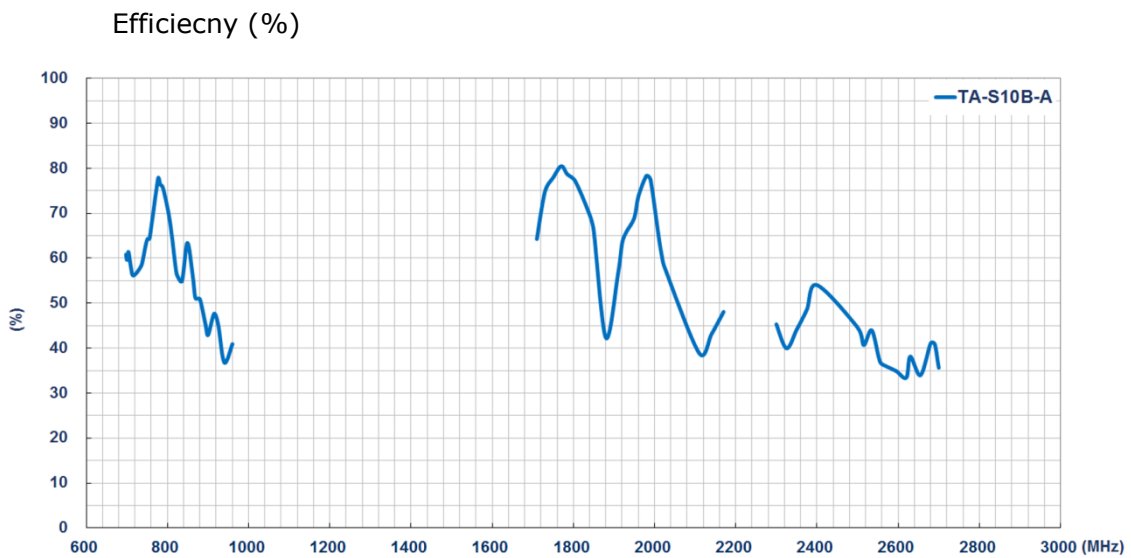
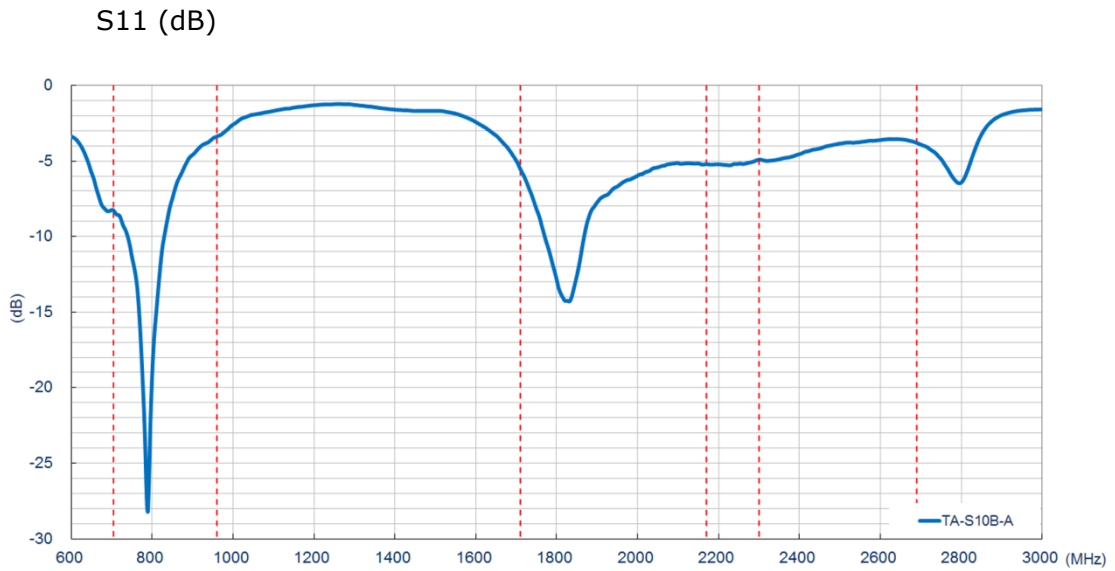
Rev.A

I. Specifications:

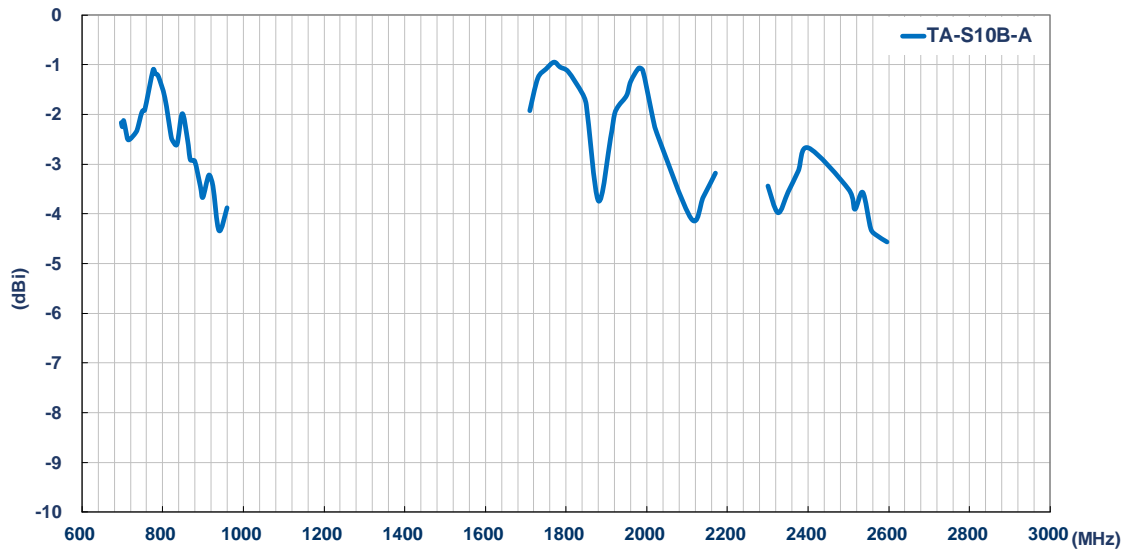
Items	LTE Specifications					
Frequencies (MHz)	LTE 700	GSM 850/900	DCS	PCS	UMTS1	LTE2600
Application Bands	698~ 824	824~ 960	1710~ 1880	1850~ 1990	1920~ 2170	2300~ 2690
Efficiency (%)	63.61	48.75	69.04	64.83	60.36	41.48
Average Gain (dBi)	-1.97	-3.12	-1.61	-1.88	-2.19	-3.82
Peak Gain (dBi)	1.98	1.05	3.26	2.99	3.12	1.31
Impedance (Ω)	50					
V.S.W.R	3:1 Max					
Return Loss	5 dB Min.					
Polarization	Linear					
Physical Properties						
Dimension	L:108mm, Diameter:10mm					
Operating Temperature (°C)	-40 ~ +85					
Storage Temperature (°C)	-40 ~ +85					
Color	Black					
Connector	SMA Male					

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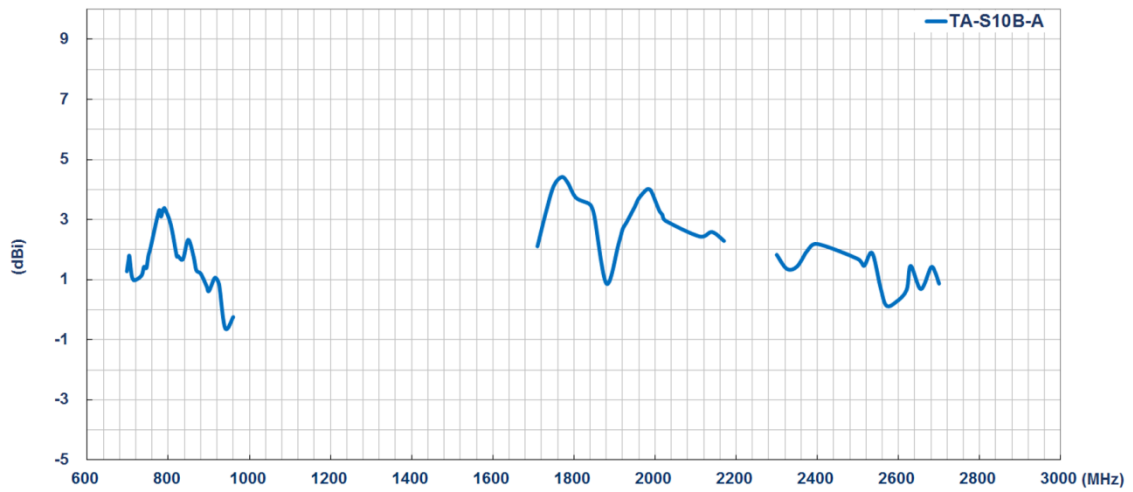
II. Antenna Technical Parameters:



Average Gain (dBi)

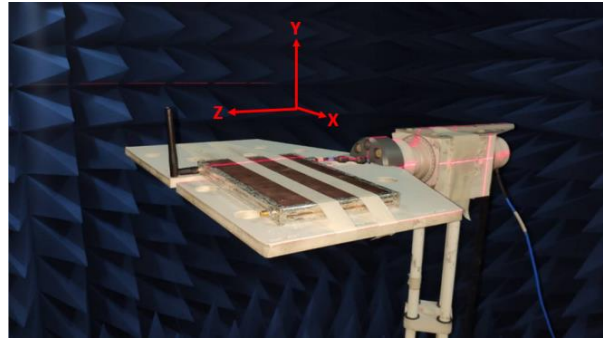


Peak Gain (dBi)



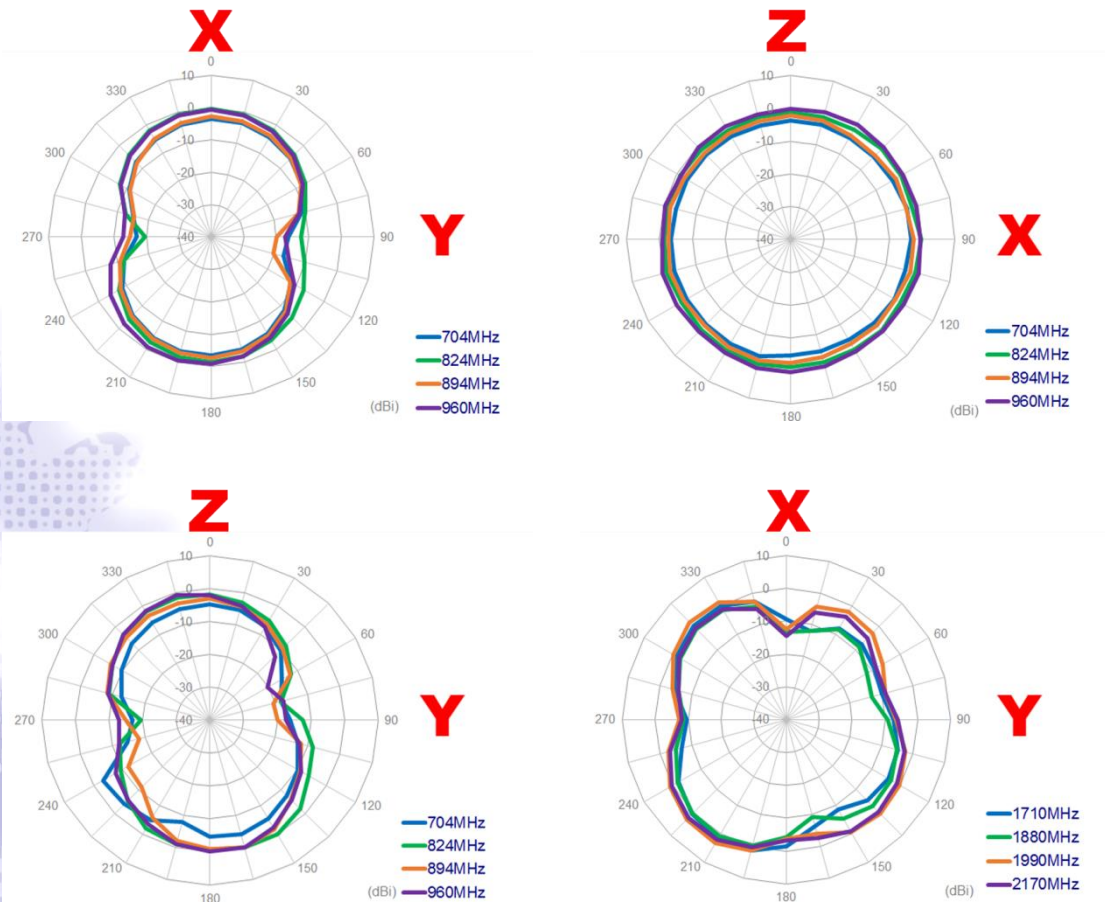
III. Antenna Radiation Pattern Measurement:

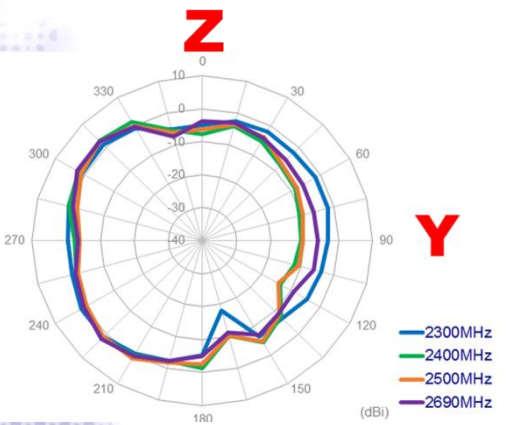
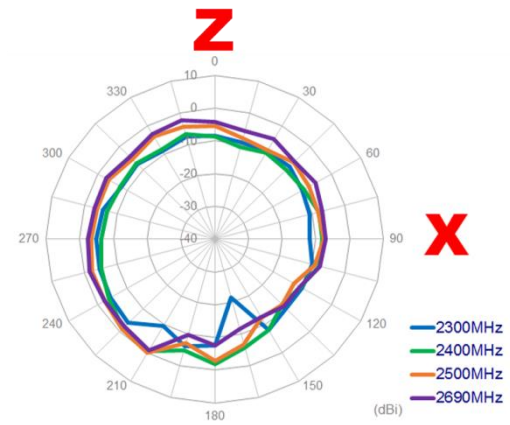
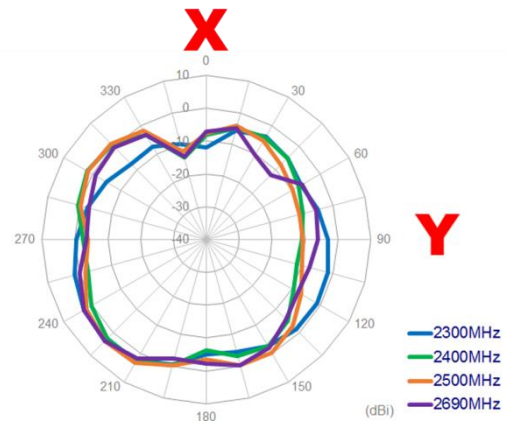
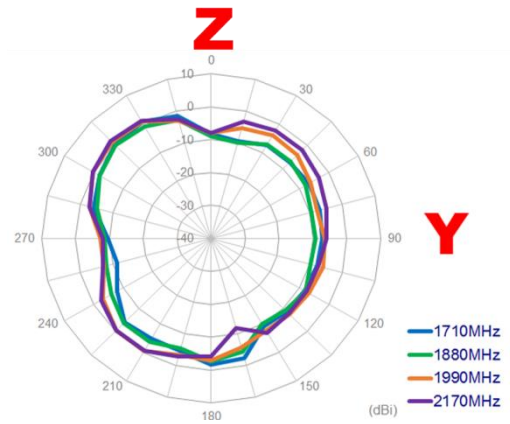
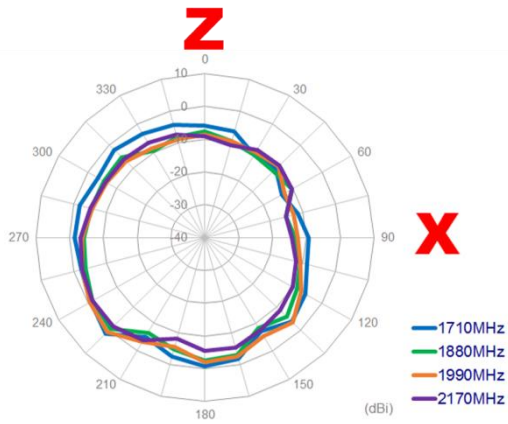
The antenna radiation patterns are measured in 3D Anechoic Chamber. The measurement setup is as show below,



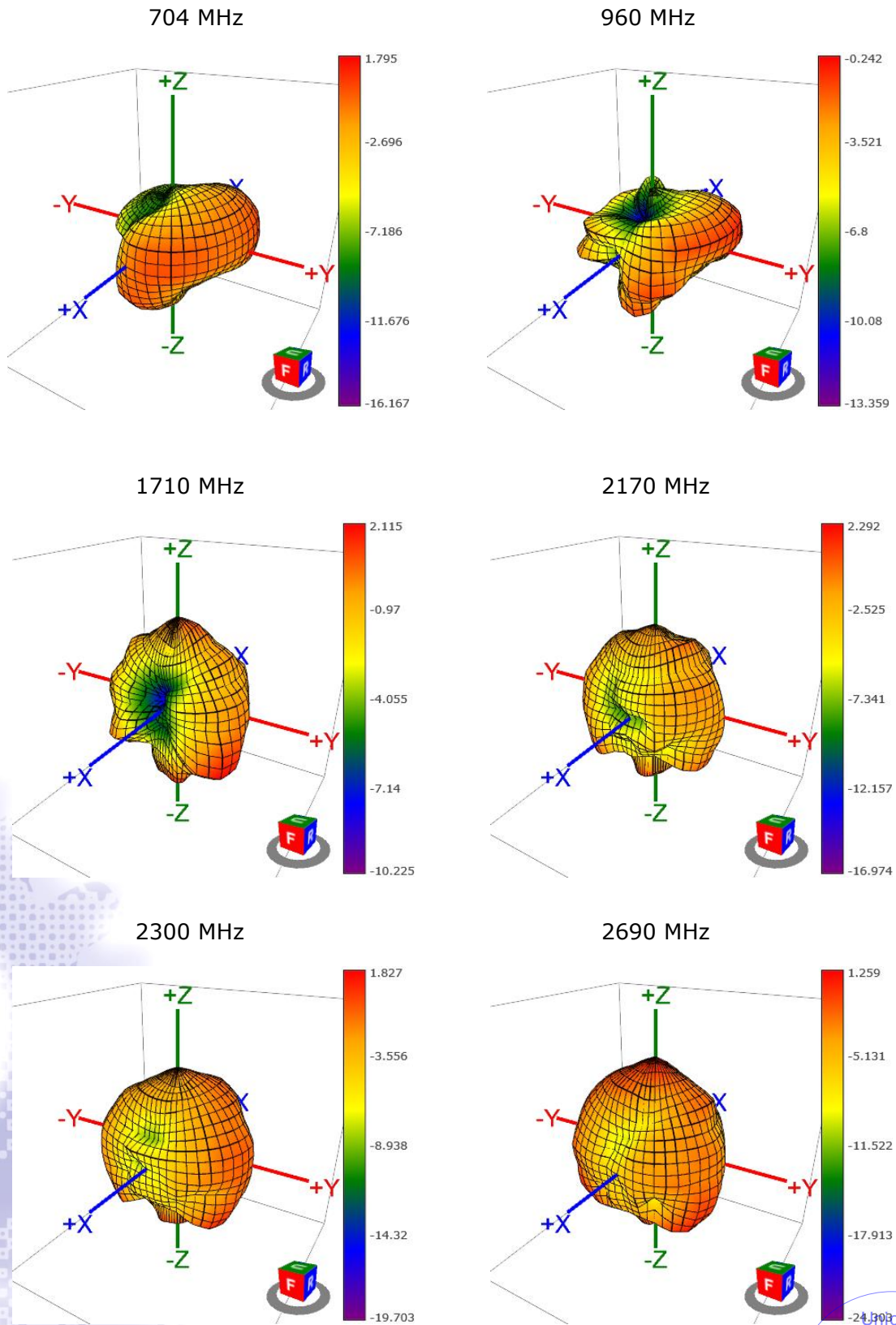
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A) 2D Radiation Pattern



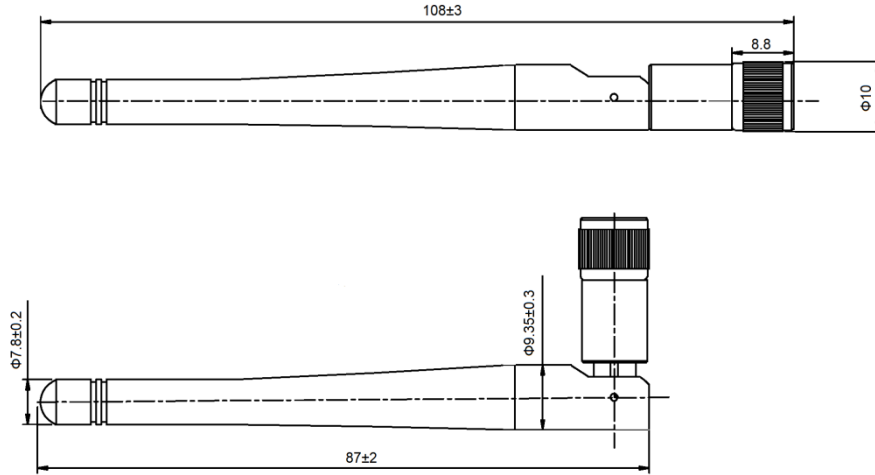


B) 3D Radiation Pattern



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IV. Mechanical Drawing (Unit:mm):



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