



Product Name: LTE Hinged Rotatable Terminal Antenna

Part Number: TA-S10W-A-L01

Features:

- LTE Bands Supporting, 698-960MHz, 1710-2690MHz
- Diameter 10mm, Length 108mm
- SMA Male Connector

Applications:

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

LTE Hinged Rotatable Terminal Antenna

MODEL: TA-S10W-A-L01

WI-RD-D-205 V1.1

I. Specifications:

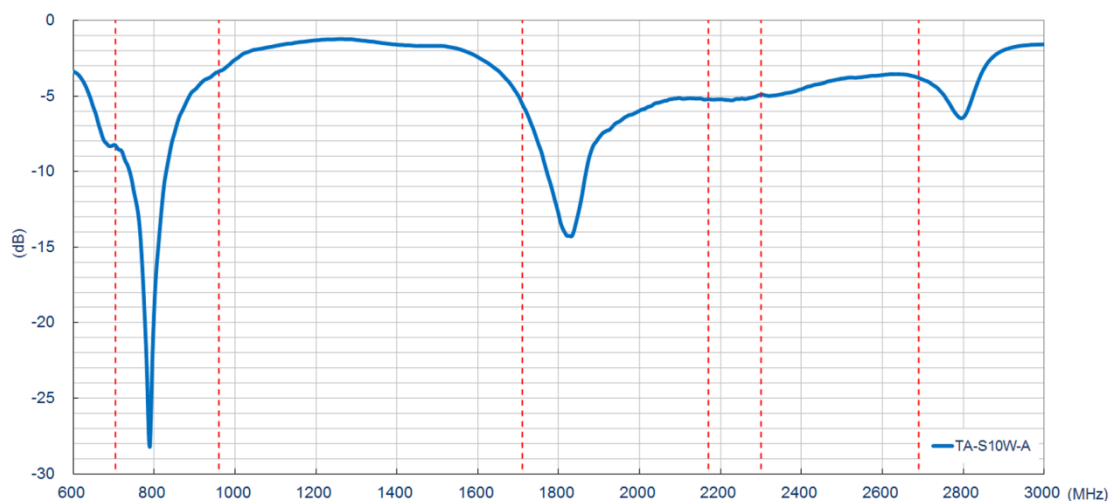
Items	LTE Specifications					
Frequencies (MHz)	LTE 700	GSM 850/900	DCS	PCS	UMTS1	LTE2600
Application Bands	698~ 824	824~ 960	1710~ 1880	1850~ 1990	1920~ 2170	2300~ 2690
Efficiency (%)	63.61	48.75	69.04	64.83	60.36	41.48
Average Gain (dBi)	-1.97	-3.12	-1.61	-1.88	-2.19	-3.82
Peak Gain (dBi)	1.98	1.05	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: 10					
Operating Temperature (°C)	-40~+85					
Storage Temperature (°C)	-40~+85					
Color	White					
Connector	SMA Male					

***Antenna was measure with 210*125mm Ground Plane.**

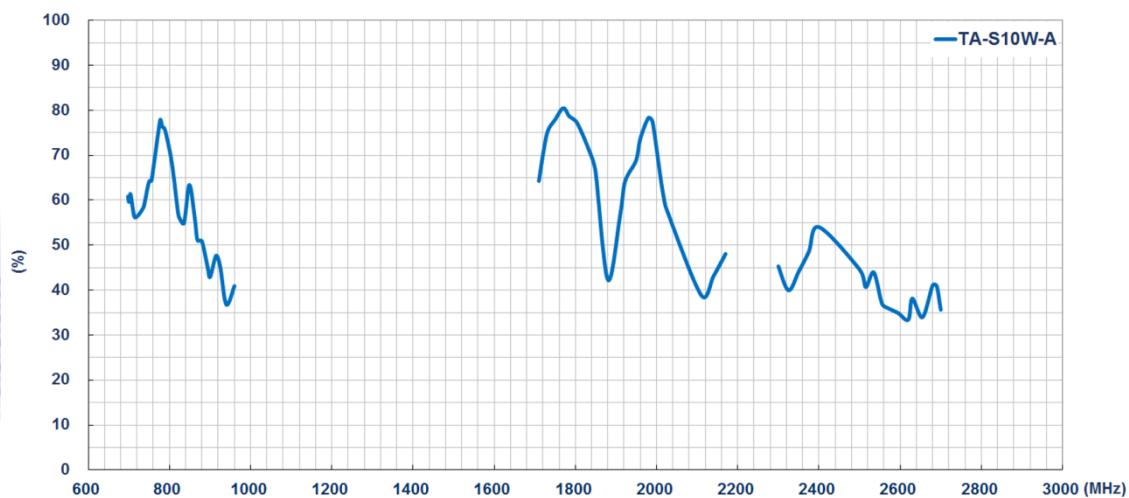
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II. Antenna Technical Parameters:

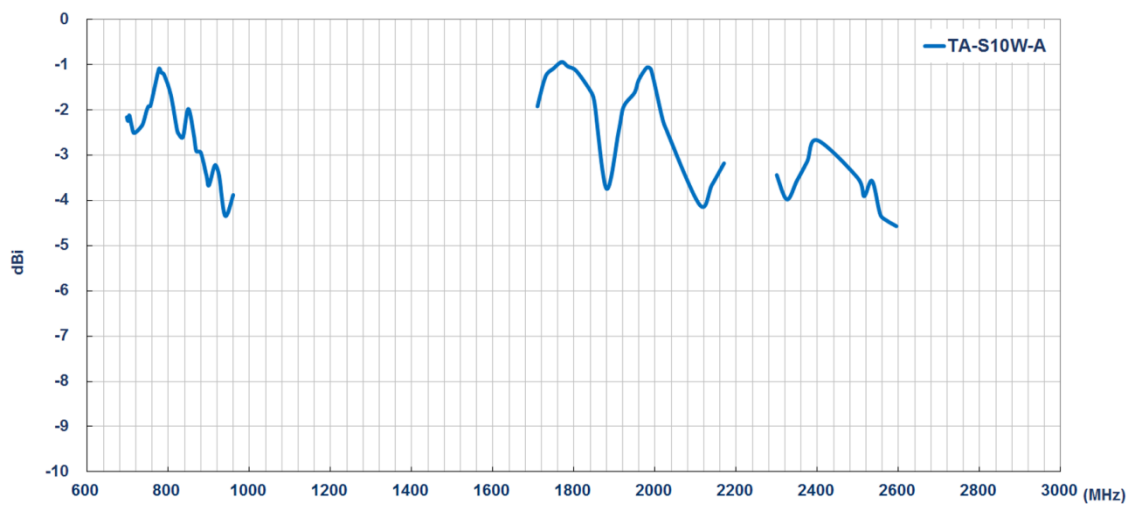
S11-parameters (dB)



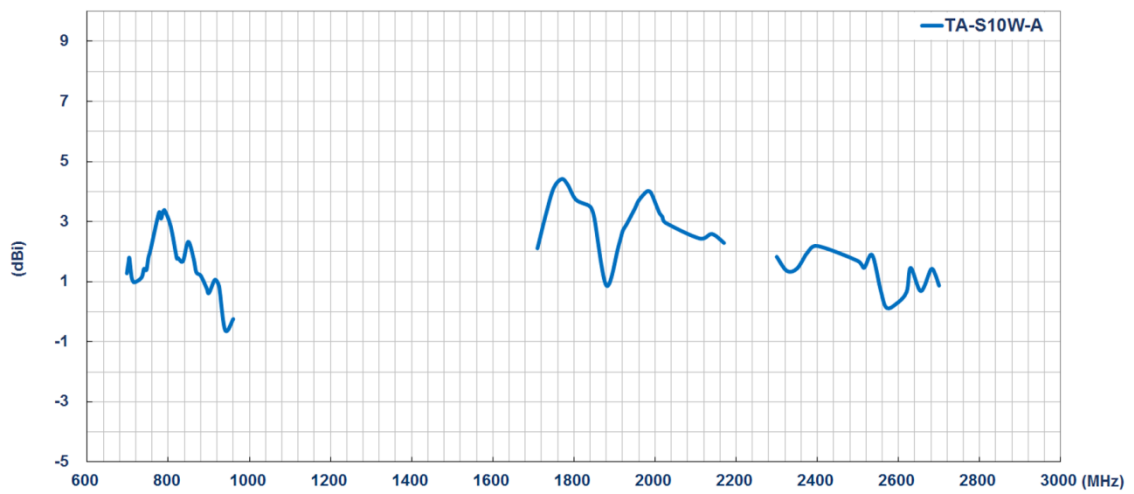
Efficiency (%)



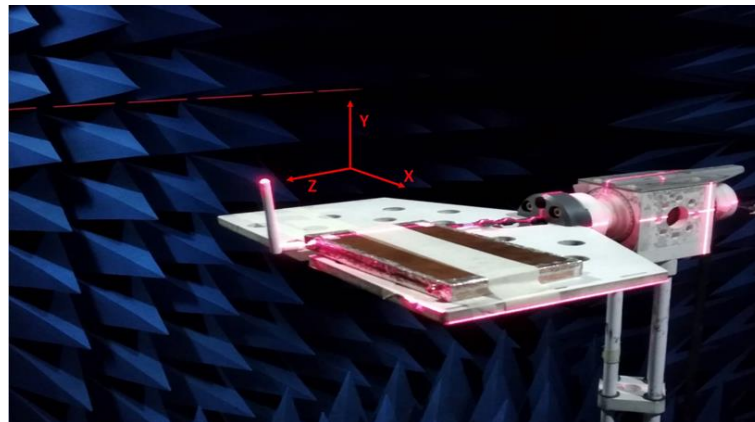
Average Gain (dBi)



Peak Gain (dBi)

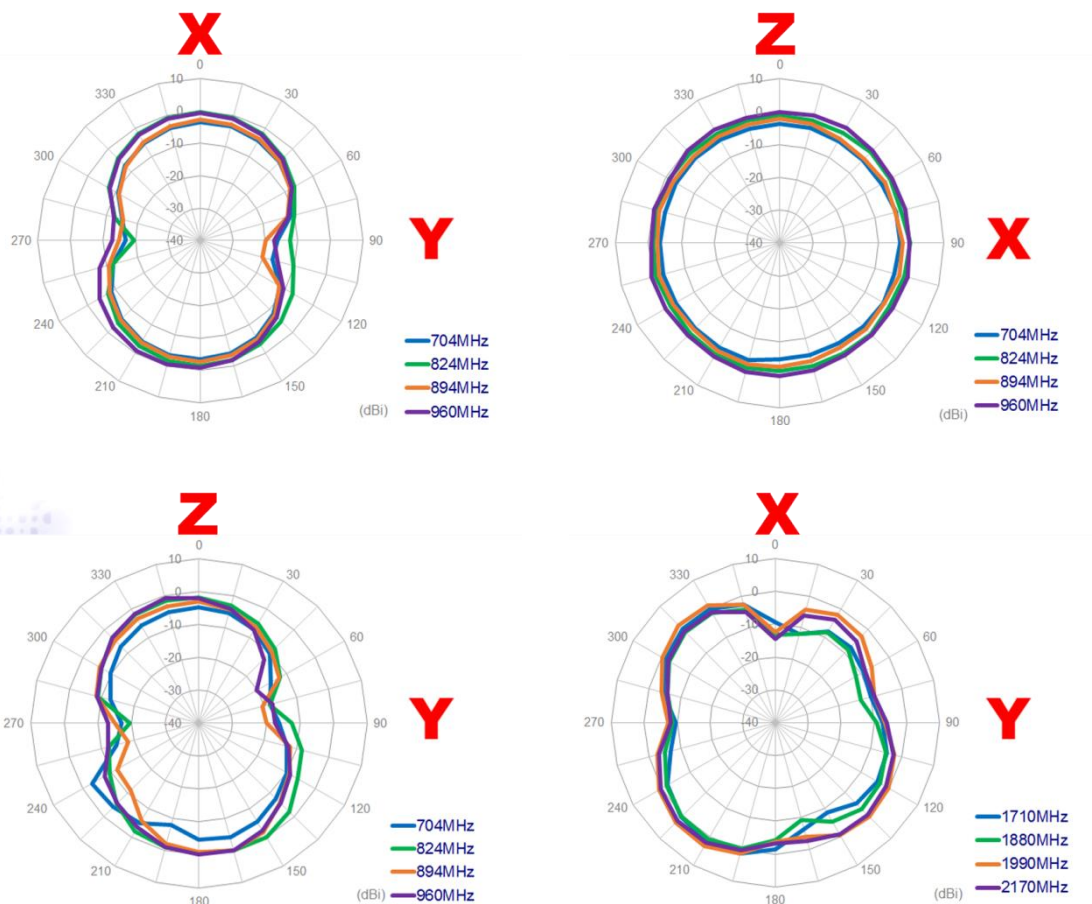


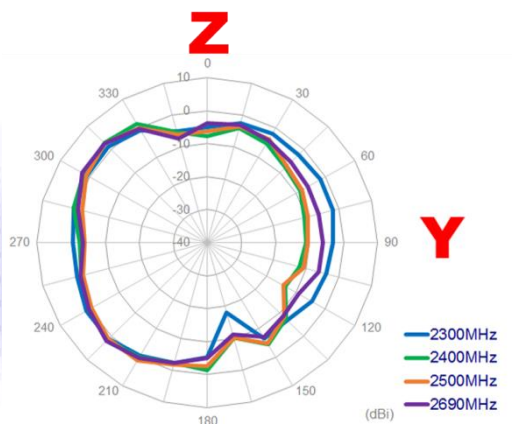
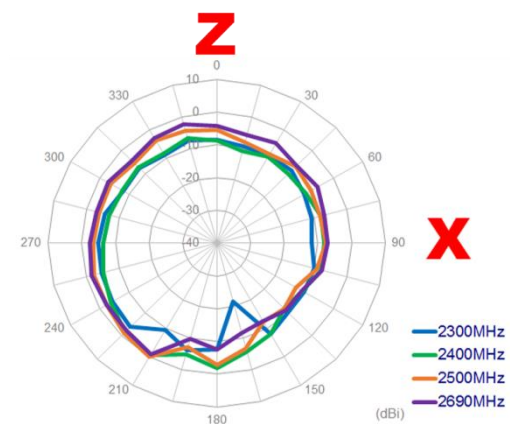
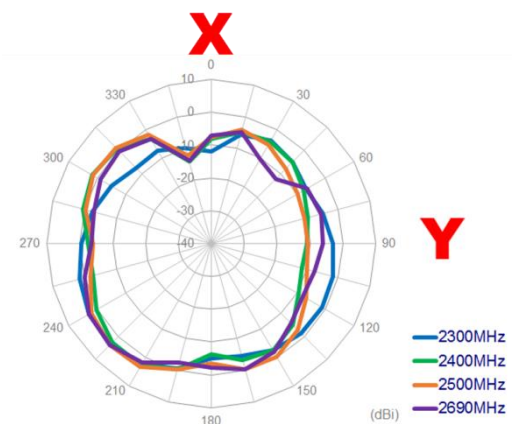
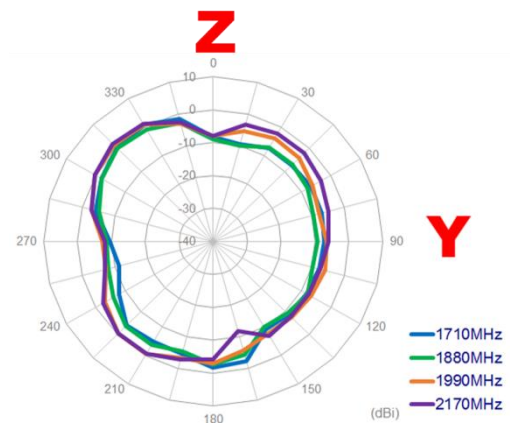
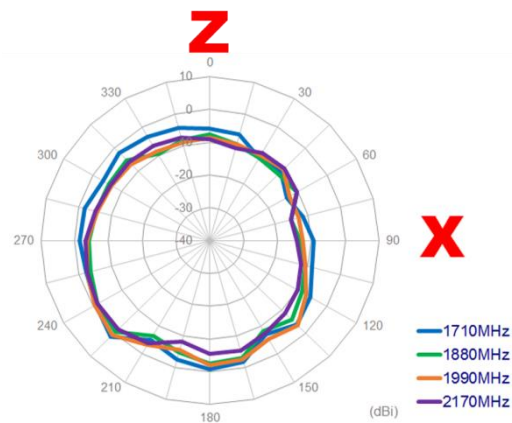
III. Antenna Radiation Pattern Measurement:



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2D Radiation Pattern



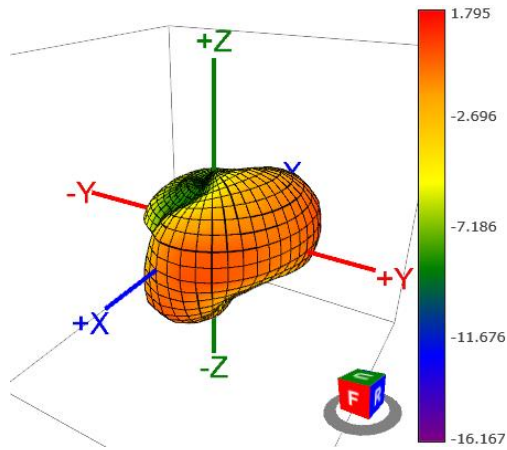


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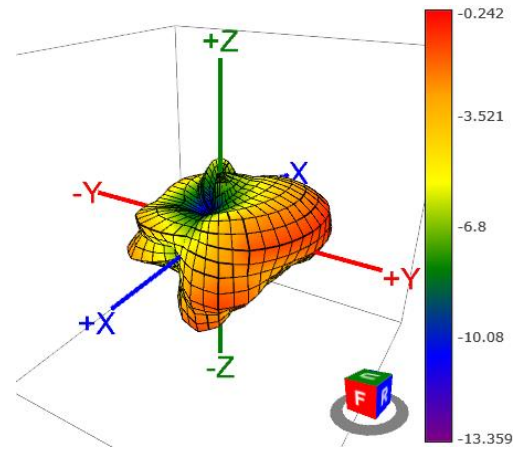
3D Radiation Pattern

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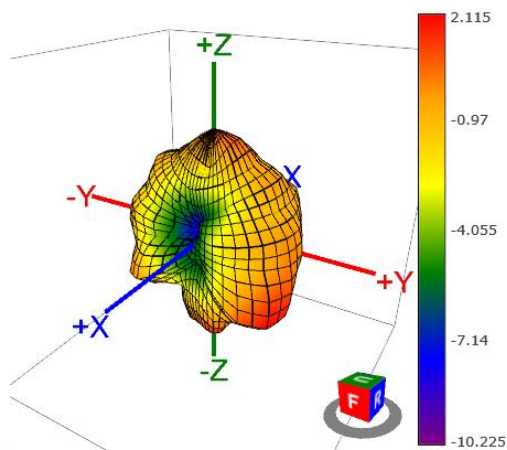
704 MHz



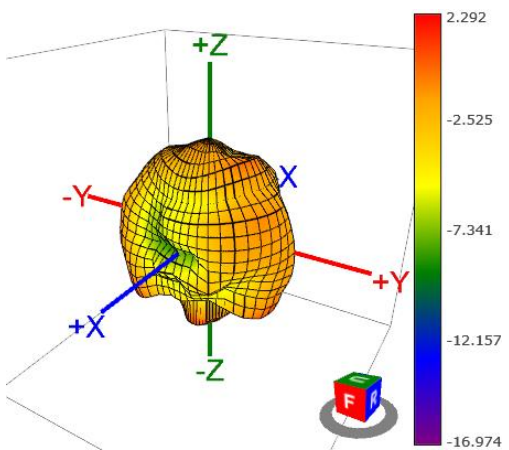
960 MHz



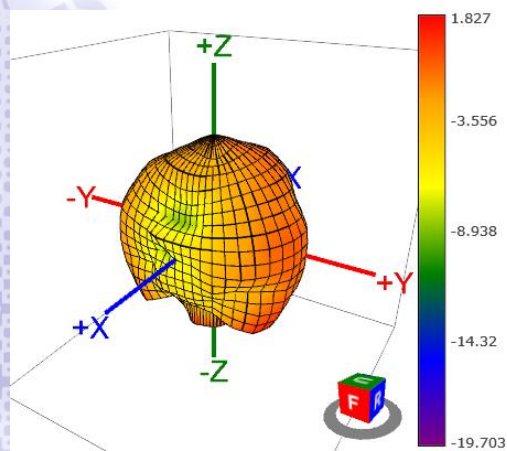
1710 MHz



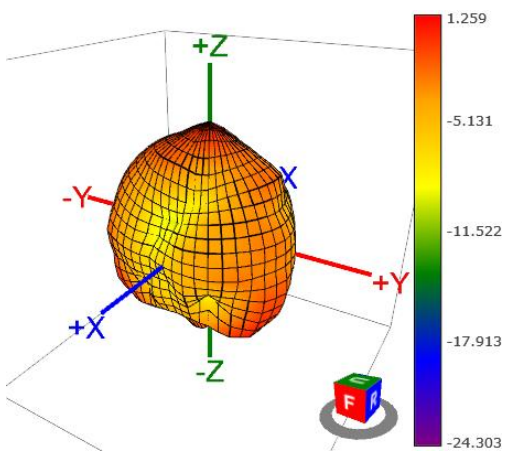
2170 MHz



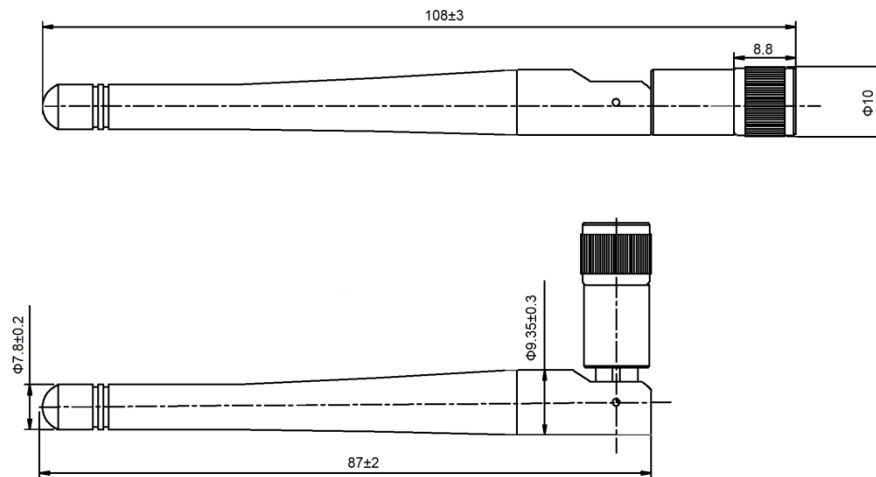
2300 MHz



2690 MHz



IV. Mechanical Drawing (Unit:mm):



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