

ANT11000046

LTE hinge rotatable antenna



Product Name: LTE Hinged Rotatable Terminal

Antenna **Part Number:** 4102-00000005-001

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

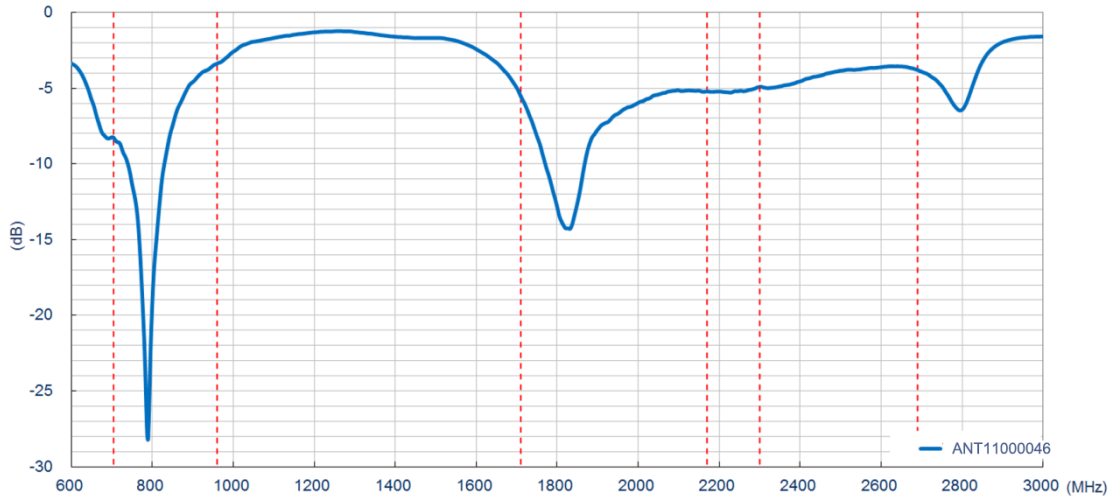
Rev.A

I. Specifications:

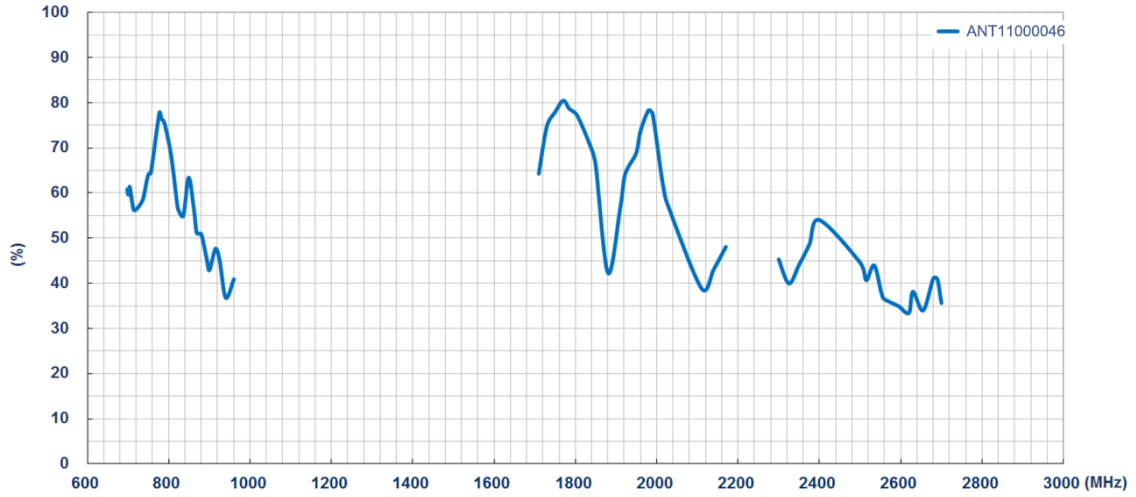
Items	LTE Specifications					
Frequencies (MHz)	LTE 700	GSM 850/900	DCS	PCS	UMTS1	LTE2600
Application Bands	698~ 824	824~ 960	1710~ 1880	1850~ 1990	1920~ 2170	2300~ 2690
Efficiency (%)	63.61	48.75	69.04	64.83	60.36	41.48
Average Gain (dBi)	-1.97	-3.12	-1.61	-1.88	-2.19	-3.82
Peak Gain (dBi)	1.98	1.05	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					

II. Antenna Technical Parameters:

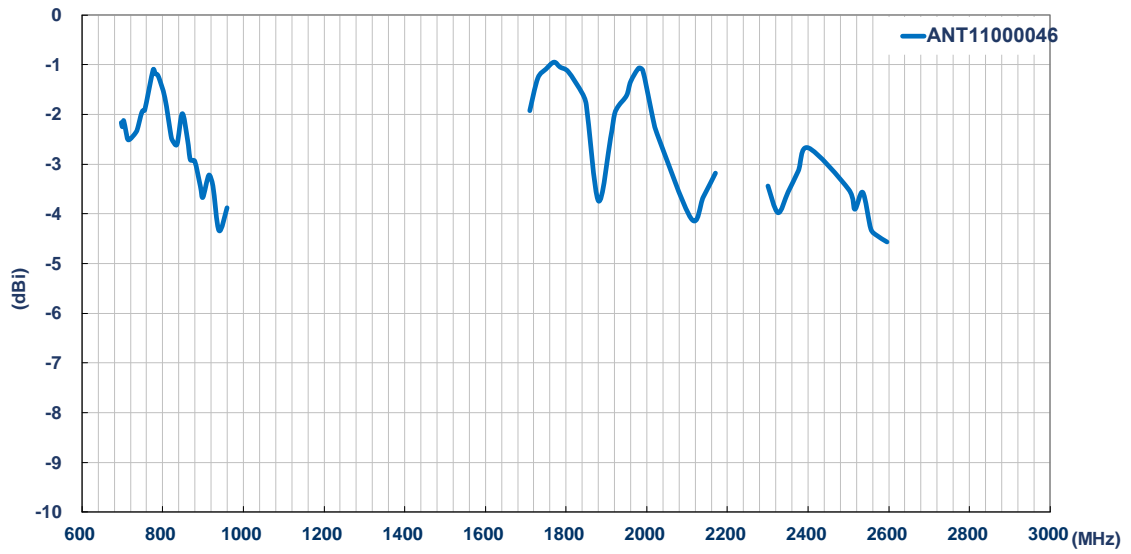
S11 (dB)



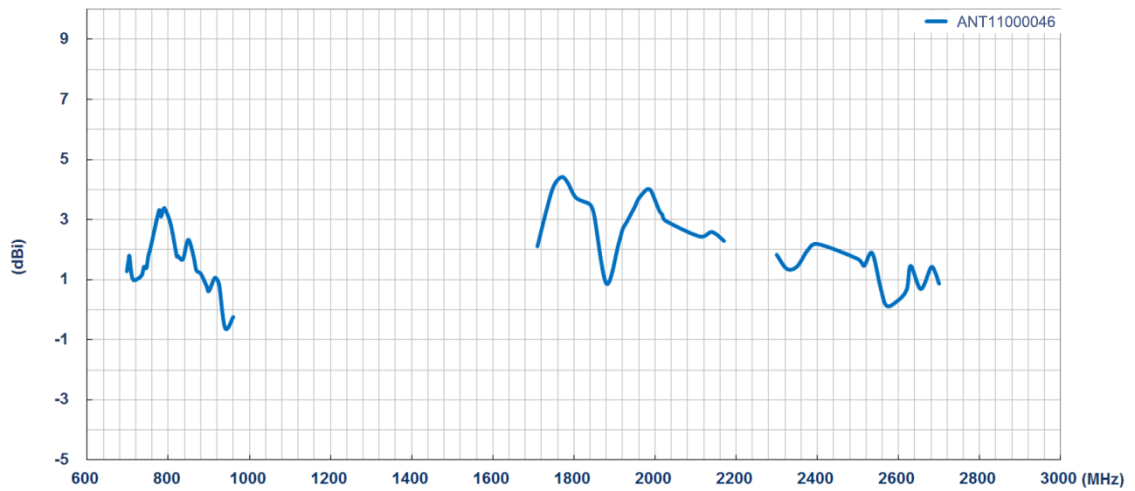
Efficiency (%)



Average Gain (dBi)



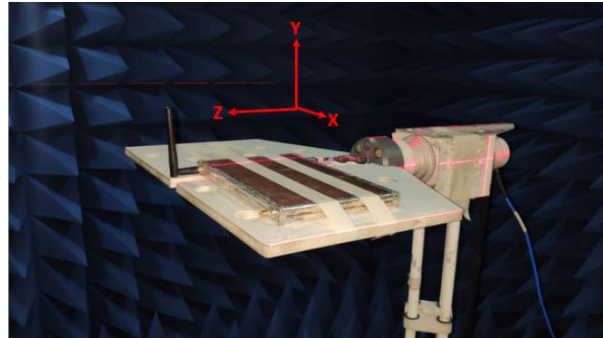
Peak Gain (dBi)



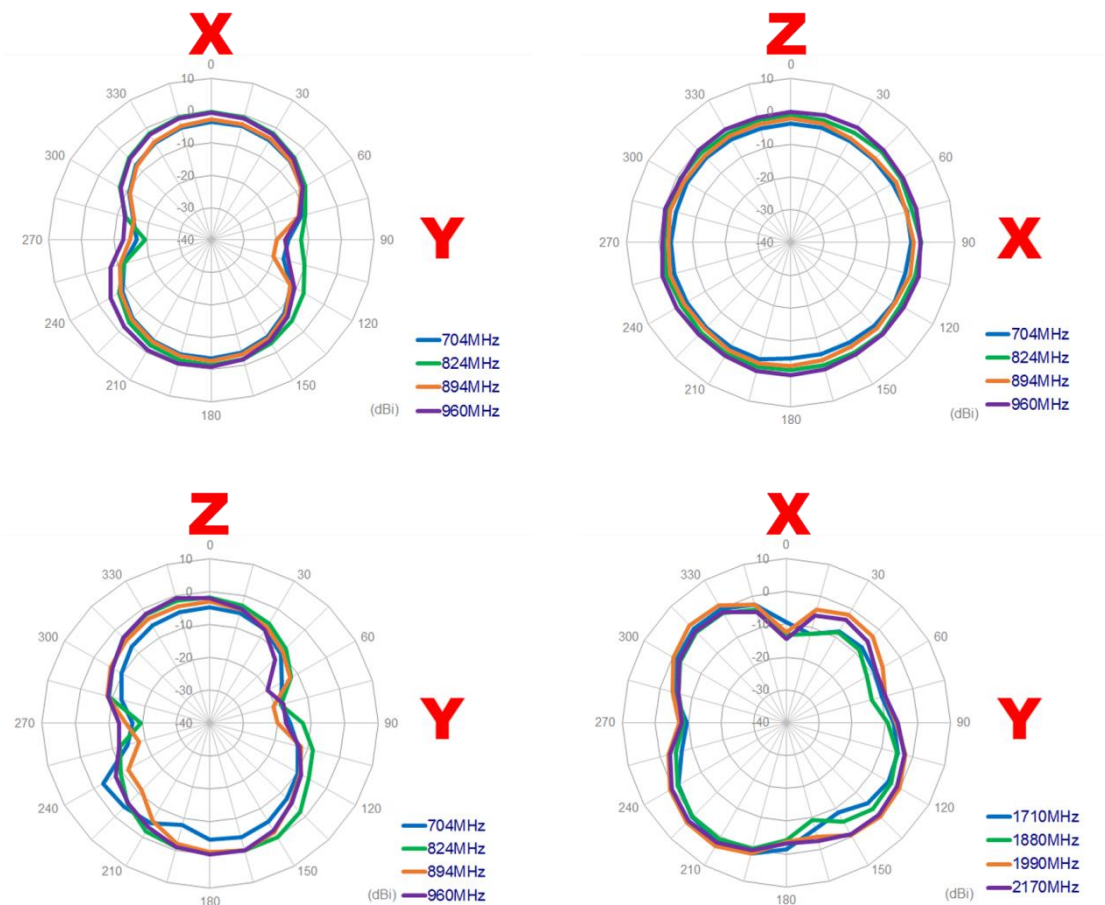
III. Antenna Radiation Pattern Measurement:

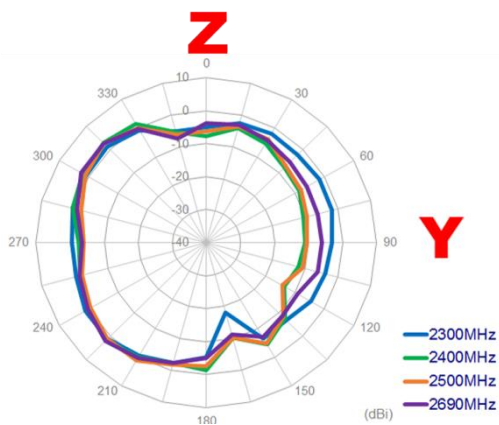
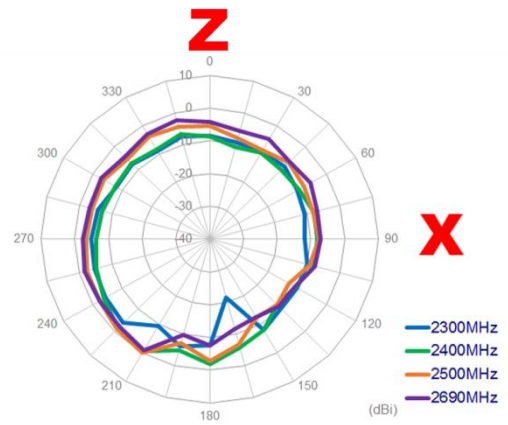
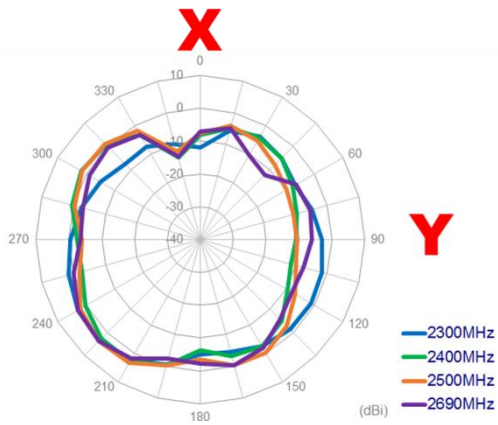
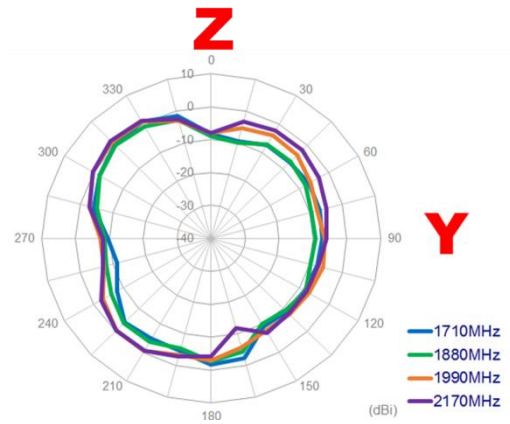
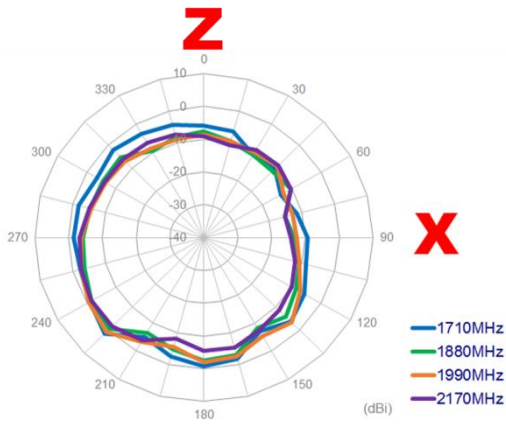
The antenna radiation patterns are measured in 3D Anechoic Chamber.

The measurement setup is as show below,



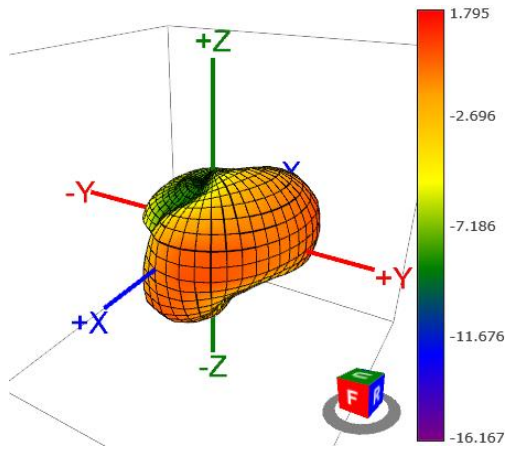
A) 2D Radiation Pattern



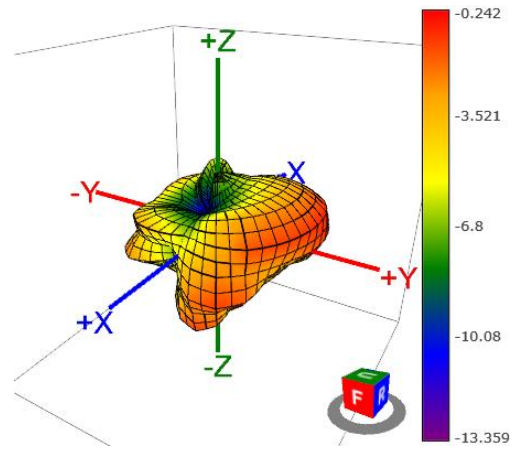


B) 3D Radiation Pattern

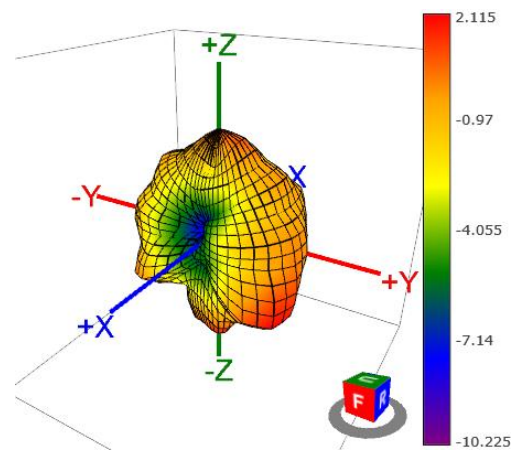
704 MHz



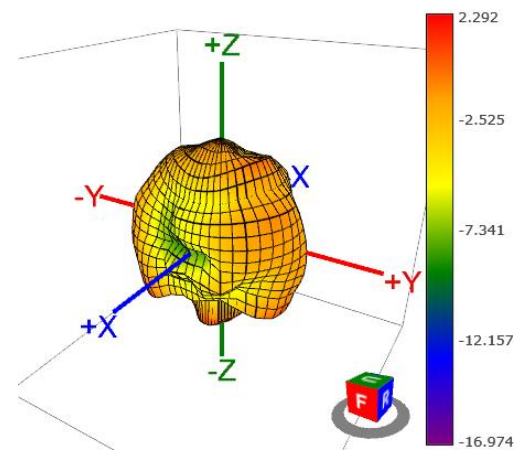
960 MHz



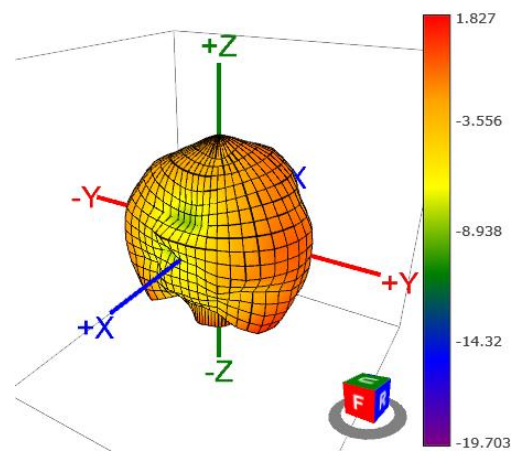
1710 MHz



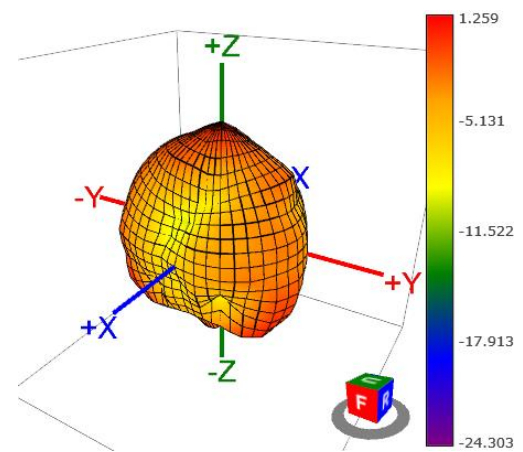
2170 MHz



2300 MHz



2690 MHz



IV. Mechanical Drawing (Unit:mm):

