

# ANT11000045

LTE US type antenna



**Product Name:** LTE Hinged Rotatable Terminal Antenna

**Feature:**

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

**Application:**

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

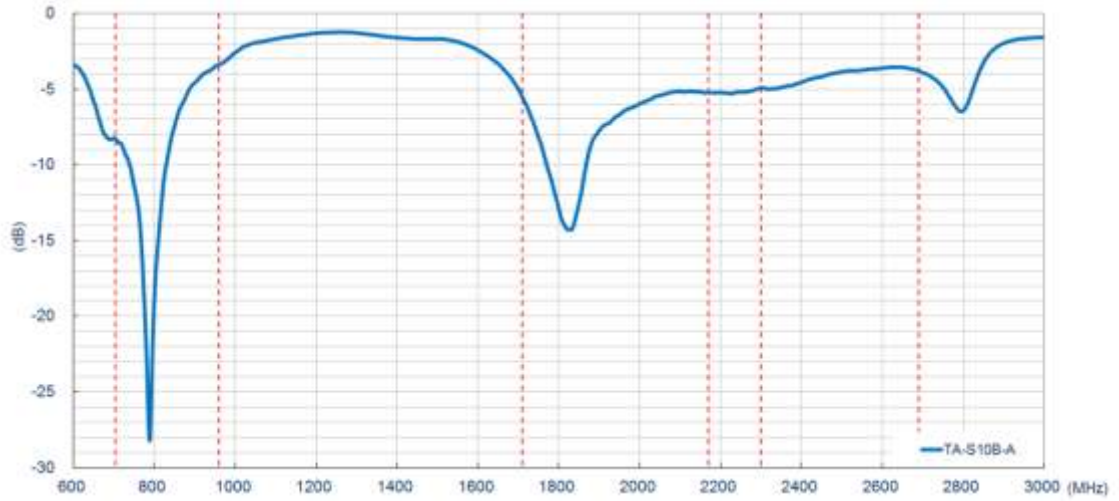
# LTE Hinged Rotatable Terminal Antenna

## I. Specifications:

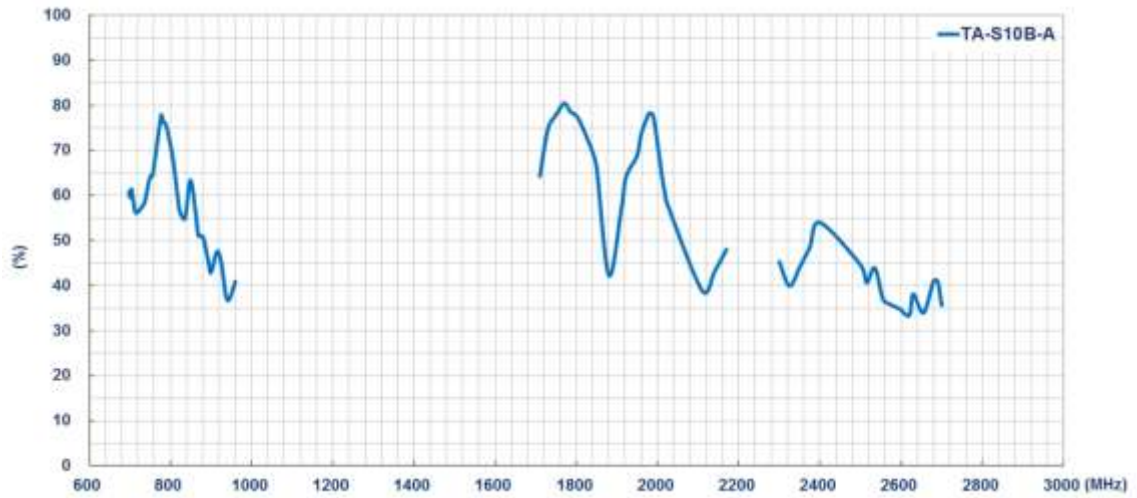
Category	LTE Specifications					
<b>Frequency (MHz)</b>	LTE 700	GSM 850/900	DCS	PCS	UMTS1	LTE2600
<b>Application Band</b>	698~ 824	824~ 960	1710~ 1880	1850~ 1990	1920~ 2170	2300~ 2690
Efficiency(%)						
TA-S10B-A	63.61	48.75	69.04	64.83	60.36	41.48
Average Gain(dBi)						
TA-S10B-A	-1.97	-3.12	-1.61	-1.88	-2.19	-3.82
Peak Gain(dBi)						
TA-S10B-A	1.98	1.05	3.26	2.99	3.12	1.31
<b>Impedance</b>	50 ohm					
<b>V.S.W.R</b>	3:1 Max					
<b>Return Loss</b>	5 dB Min.					
<b>Polarization</b>	Linear					
Physical Properties						
<b>Dimension</b>	L:108mm, Diameter: 10					
<b>Operating Temperature</b>	-30~+60℃					
<b>Storage Temperature</b>	-30~+70℃					
<b>Color</b>	Black					
<b>Connector</b>	SMA Male					

## II. Antenna Technical Parameters:

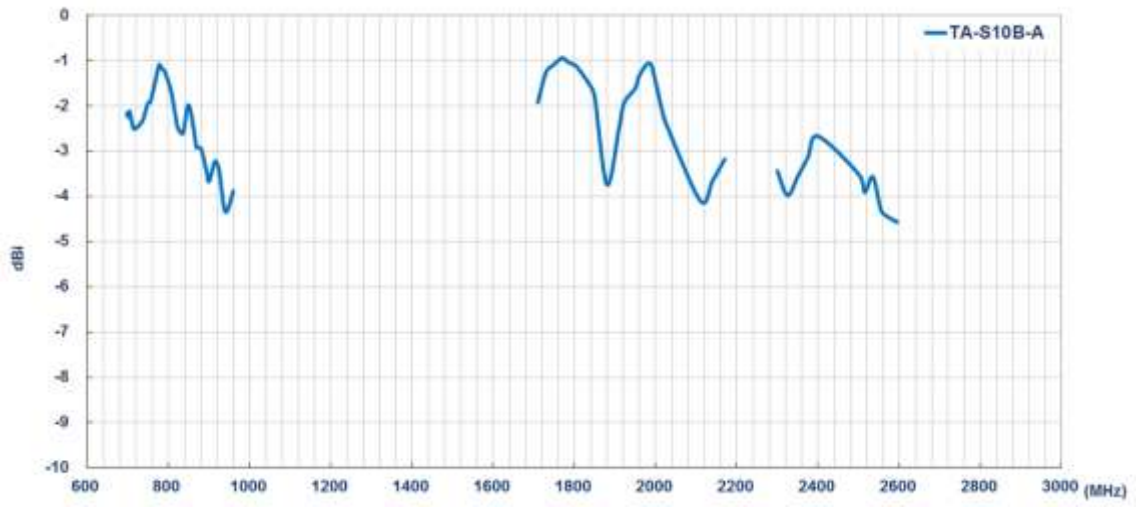
S-parameters:



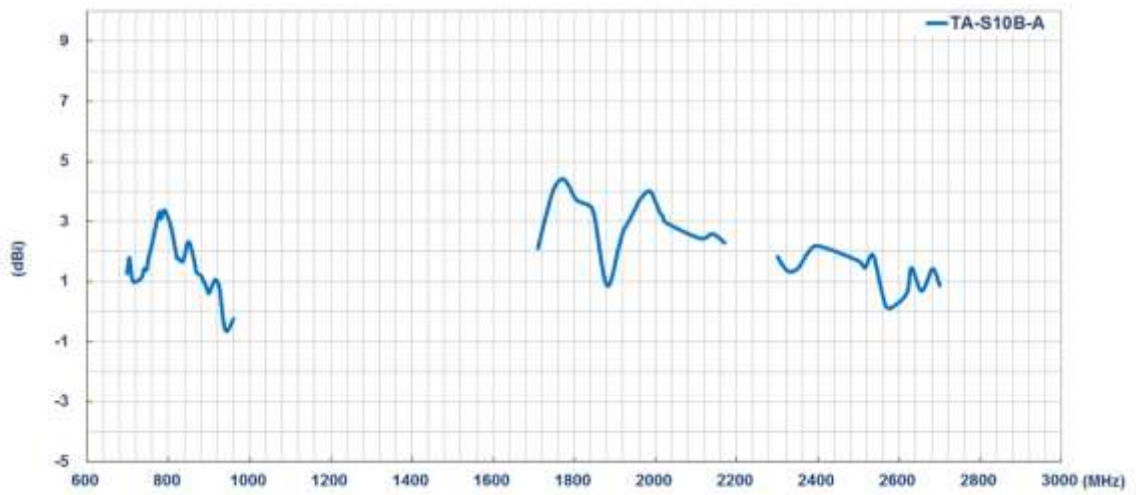
Efficiency:



Average Gain:



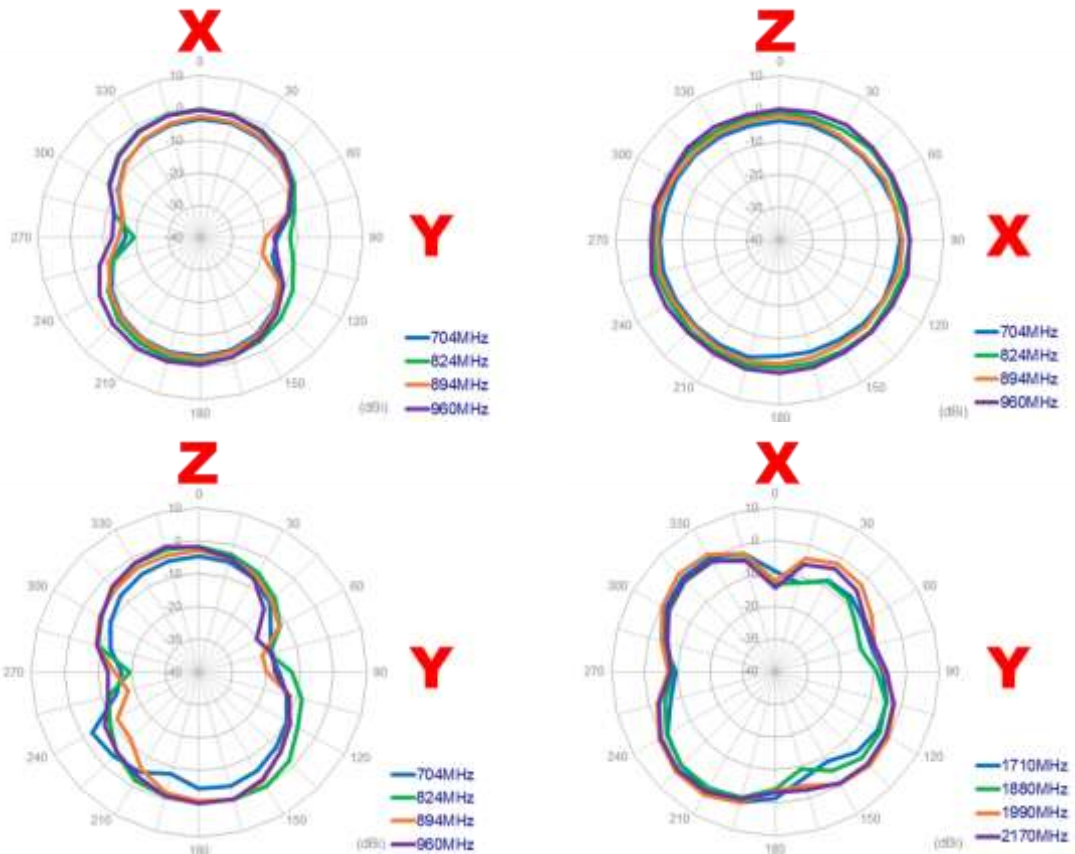
Peak Gain:

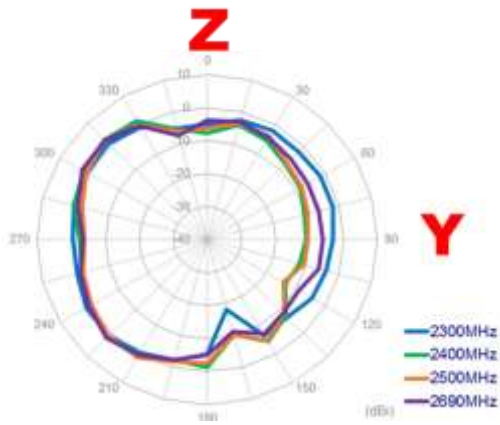
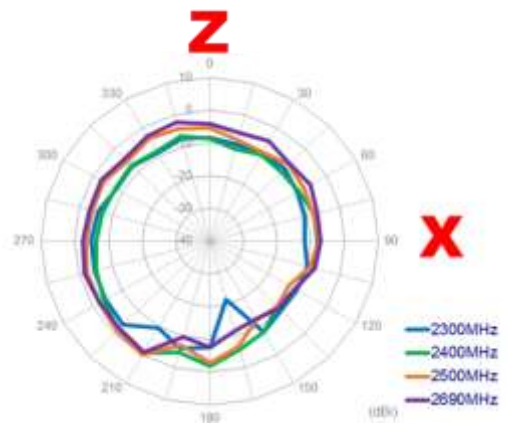
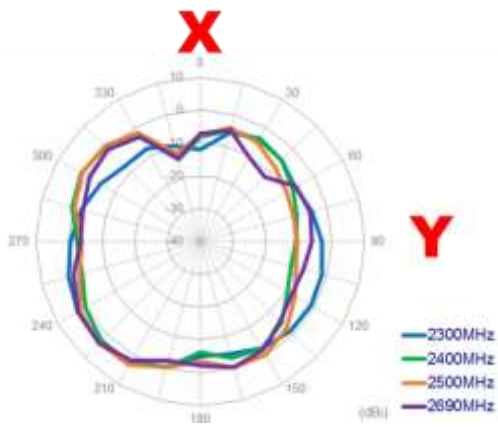
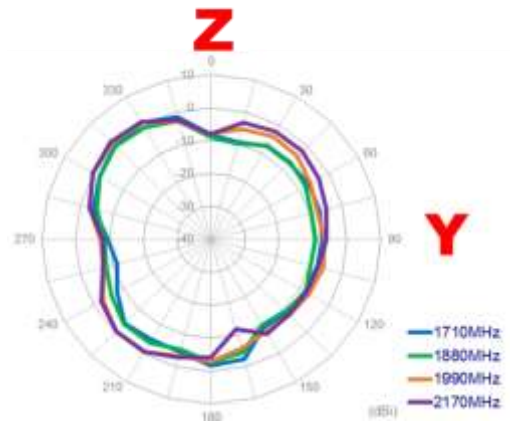
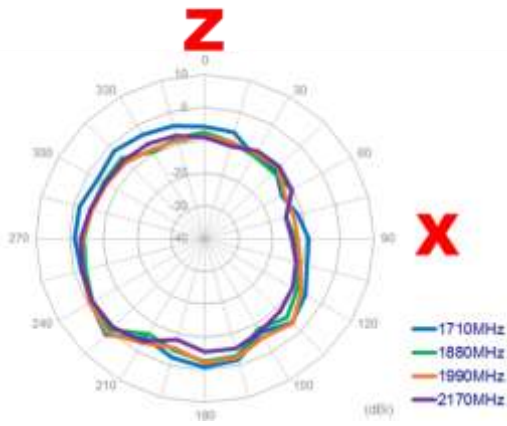


### III. Antenna Radiation Pattern Measurement:



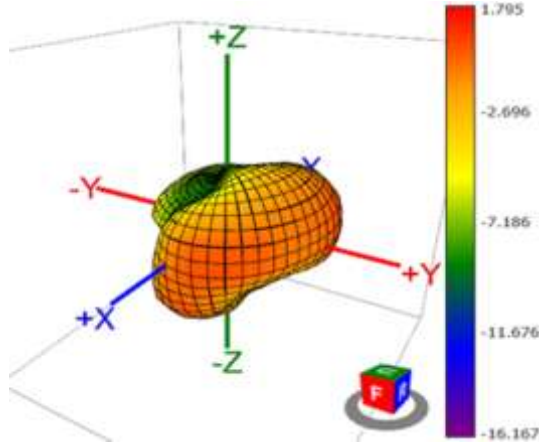
2D Radiation Pattern



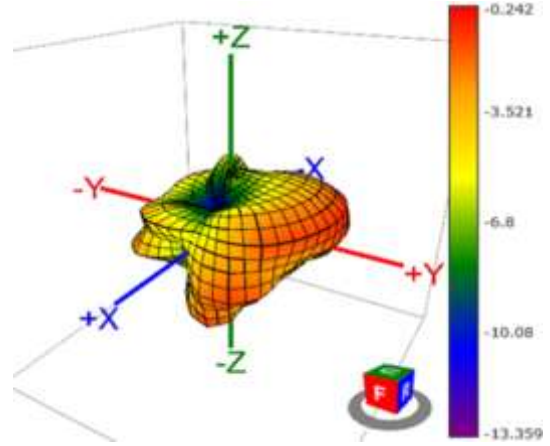


3D Radiation Pattern

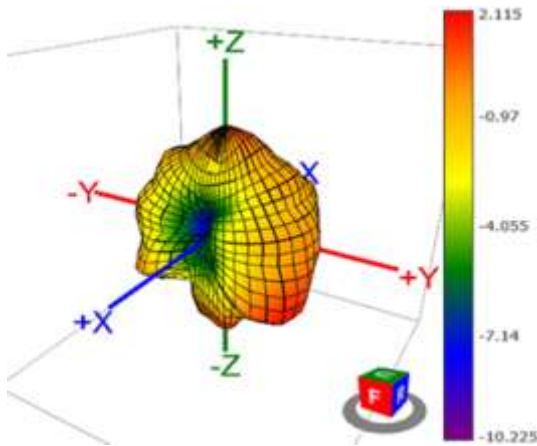
704 MHz



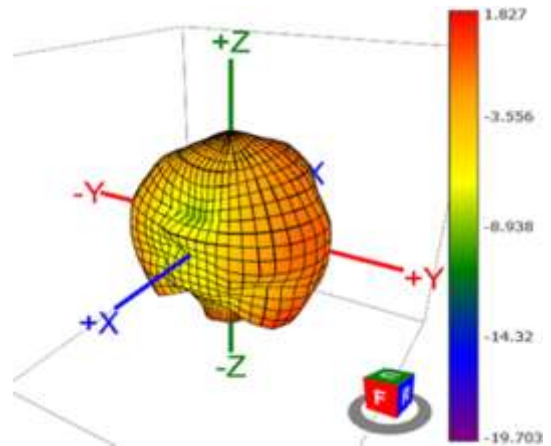
960 MHz



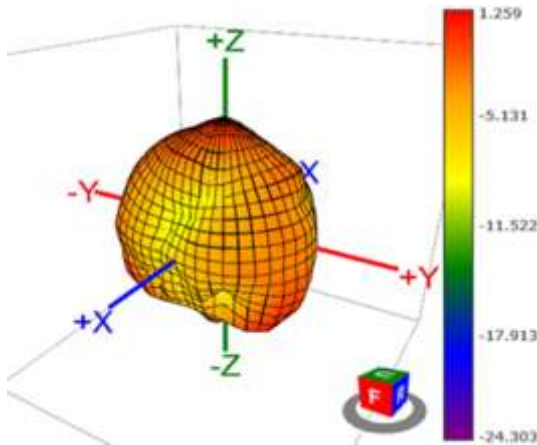
1710 MHz



2300 MHz



2690 MHz





#### IV. Mechanical Drawing (Unit:mm):

