

AMC-ANT-2JW1024

4G LTE connector mount swivel antenna

Features

- Cellular/LTE
 - 698 – 960MHz
 - 1710 – 2170MHz
 - 2500 – 2700MHz
- Ground plane dependent
- High efficiency
- Connector mount
- Dimensions: \varnothing 10 x 71mm



1. Antenna and electrical specifications

Parameters	Cellular/LTE Antenna		
Standards	2G/3G/4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698 - 960	1710 - 2170	2500 - 2700
Return Loss (dB)	~-5.9	~-11.7	~-14.4
VSWR	~3.1:1	~1.7:1	~1.5:1
Efficiency (%)	~58	~67	~74
Peak Gain (dBi)	~0.1	~2.9	~4.6
Average Gain (dB)	~-2.3	~-1.7	~-1.3
Impedance (Ohms)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	10		
Connector Type	Swivel SMA male – standard		

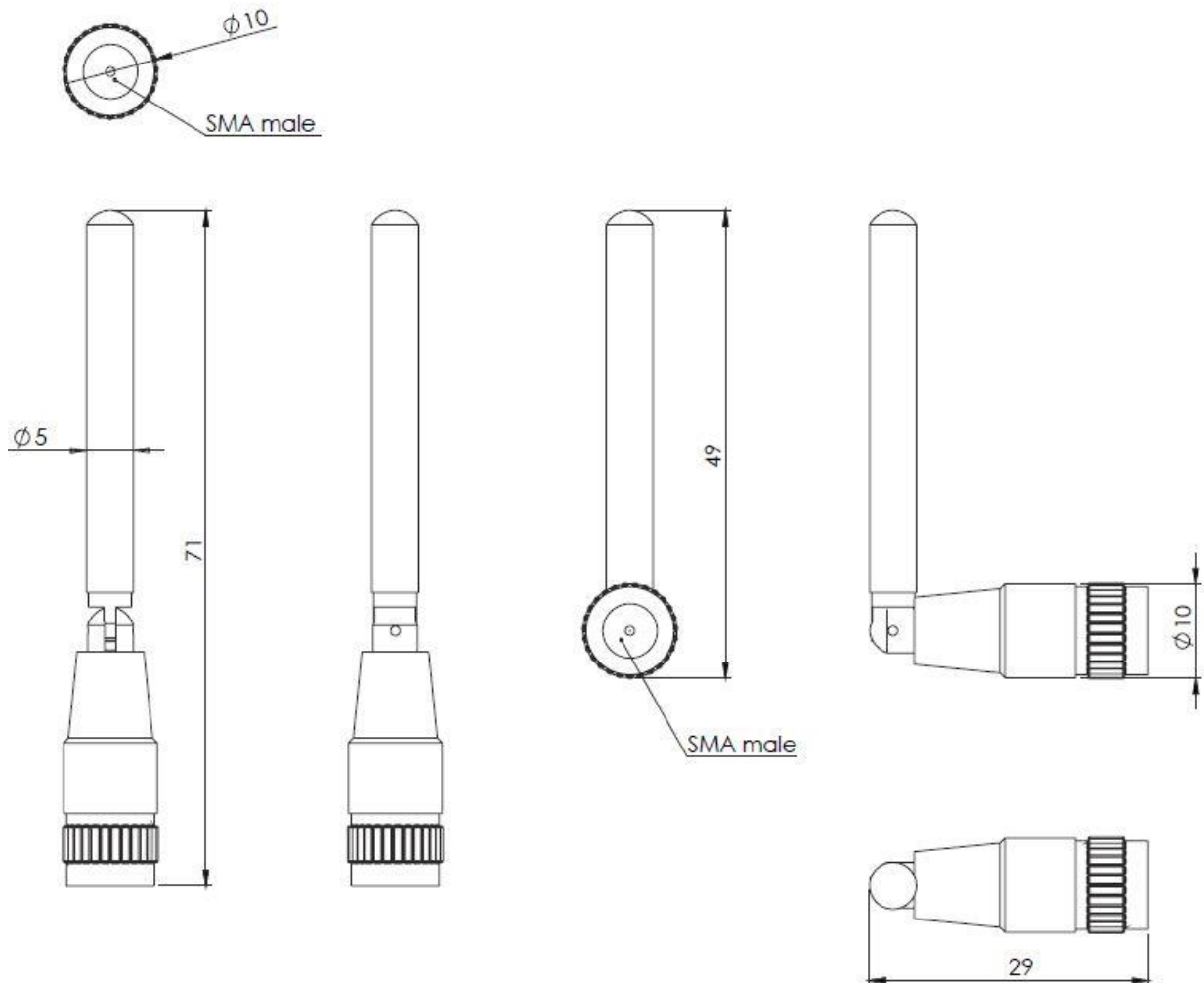
Measurement Conditions:

- Mounted on 115mm x 45mm ground plane
- Measured in certified CTIA 3D anechoic chamber

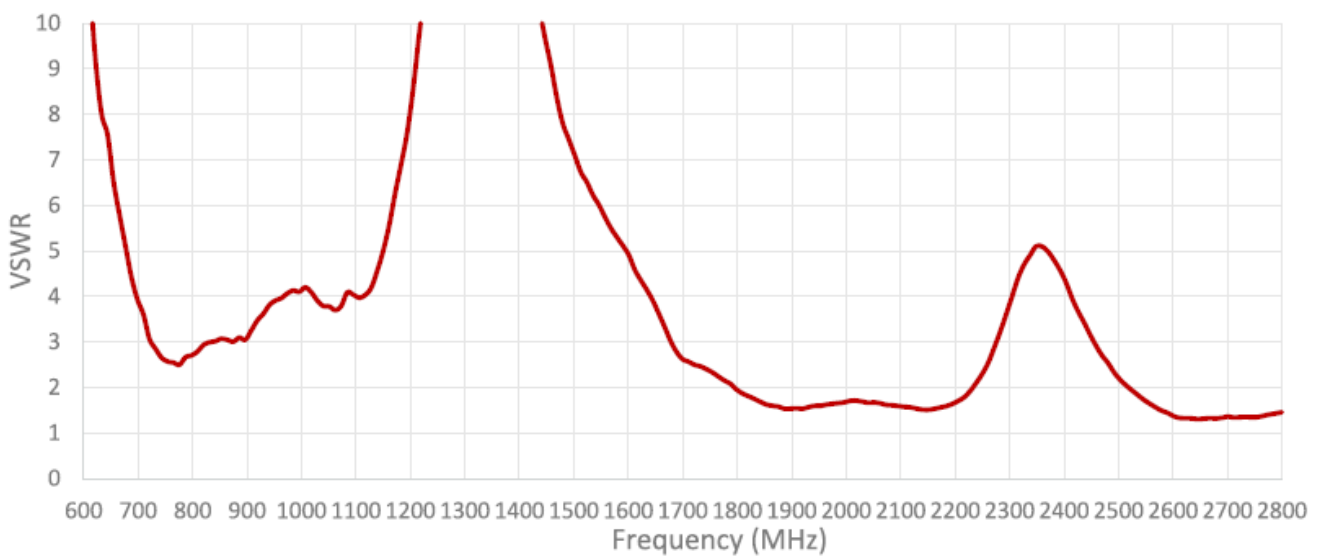
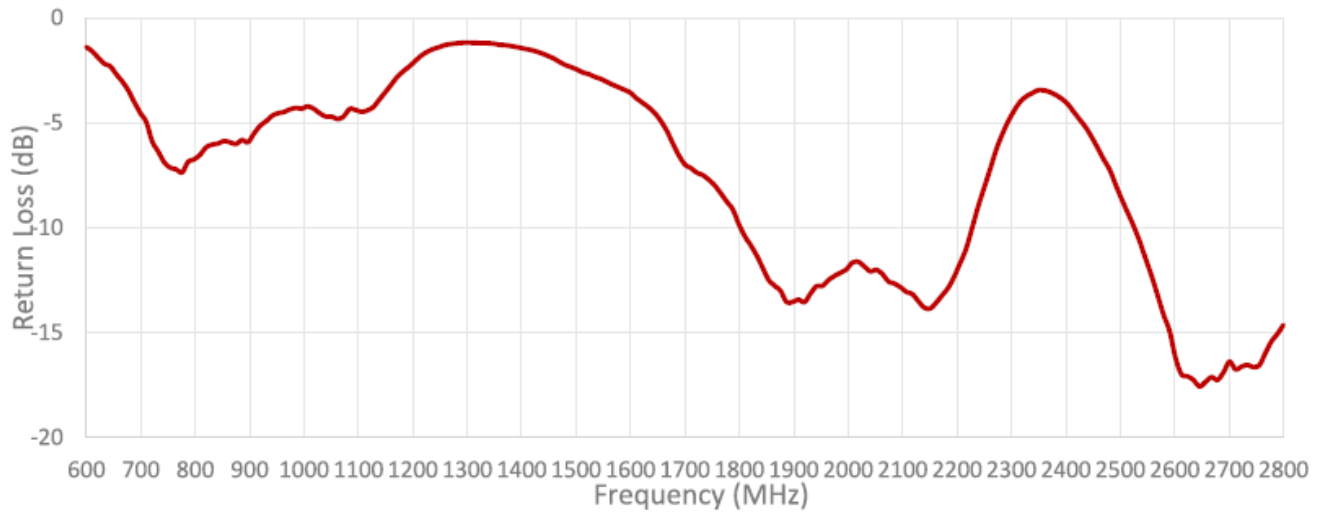


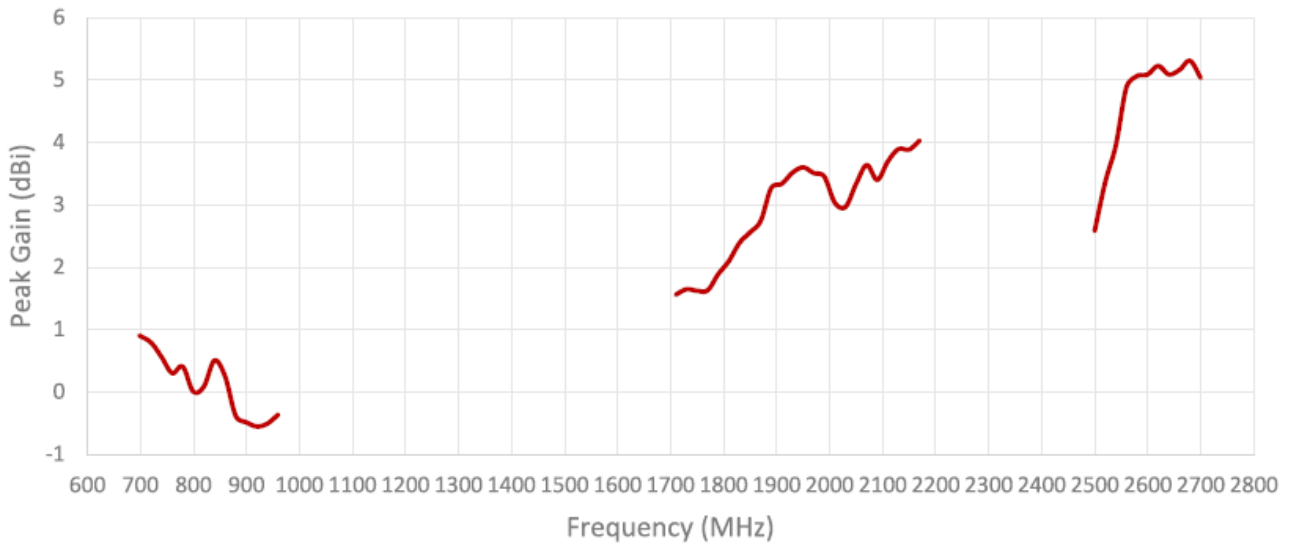
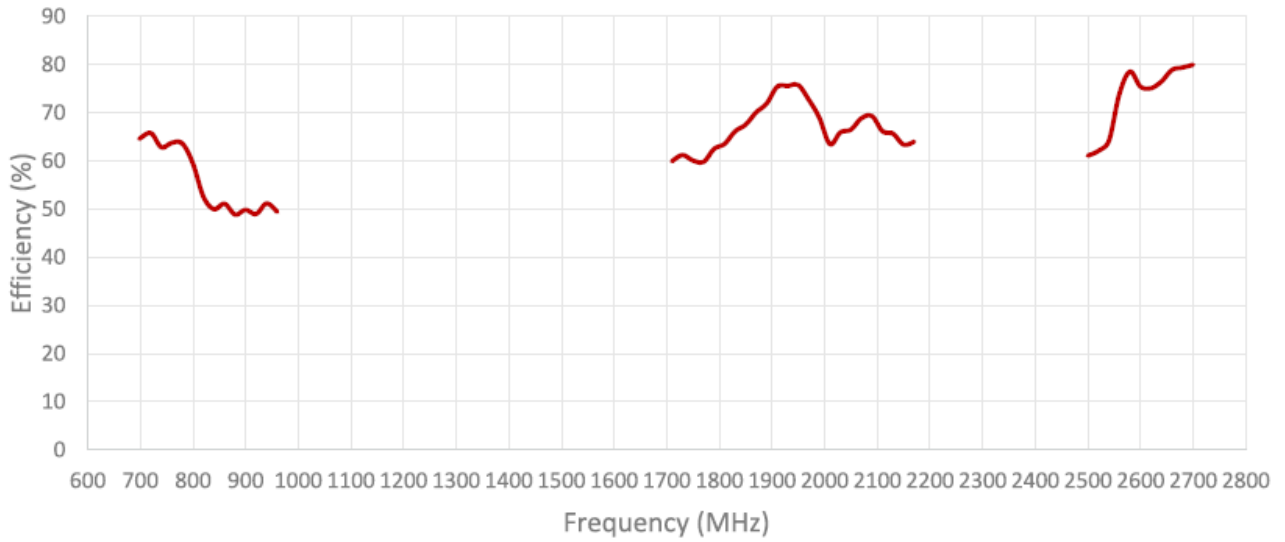
2. Mechanical and environmental specifications

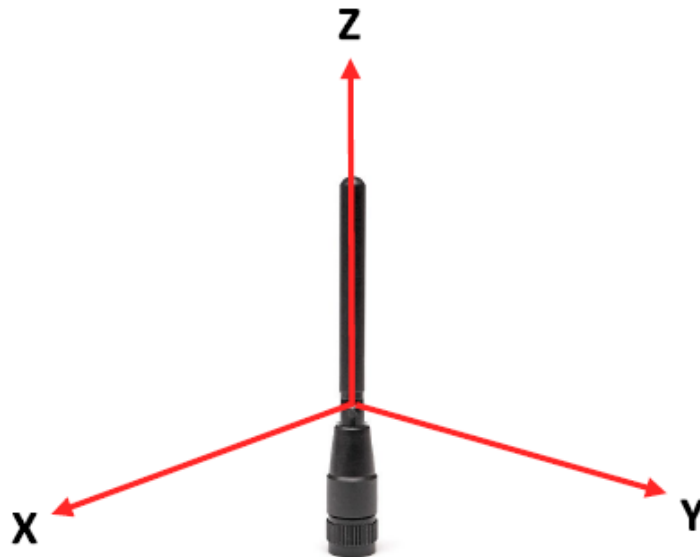
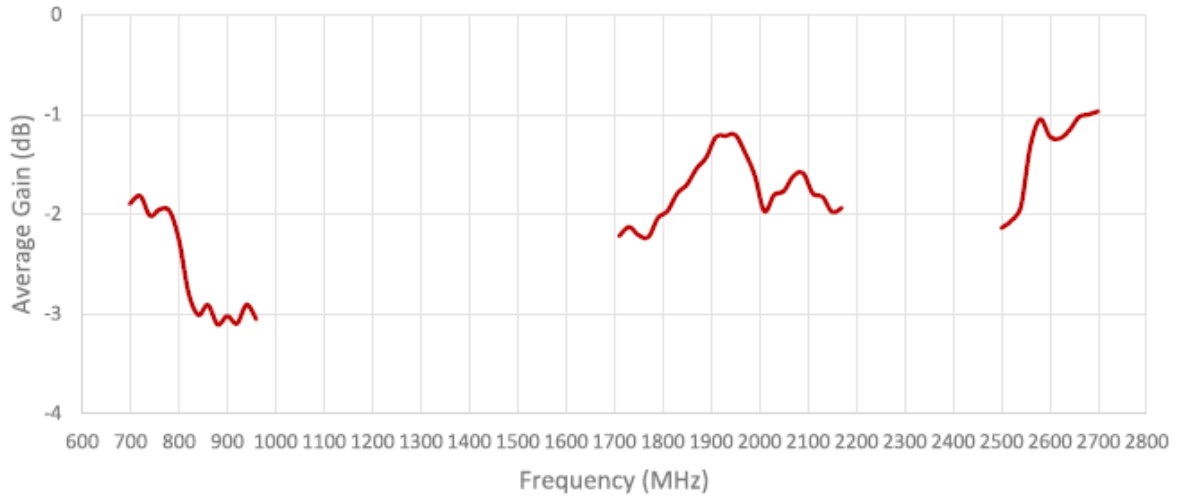
Mounting Type	Connector mount
Dimensions (mm)	Ø 10 x 71
Radome type	POM
Radome Colour	Black
Operating Temperature (°C)	-40 to +65
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS



3. Antenna parameters

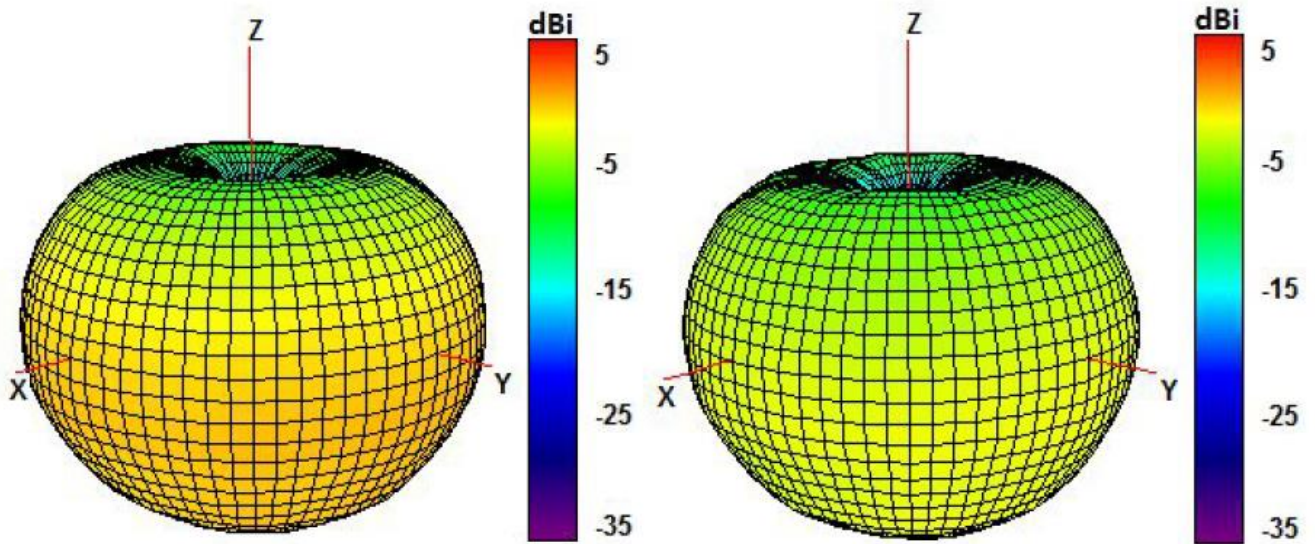




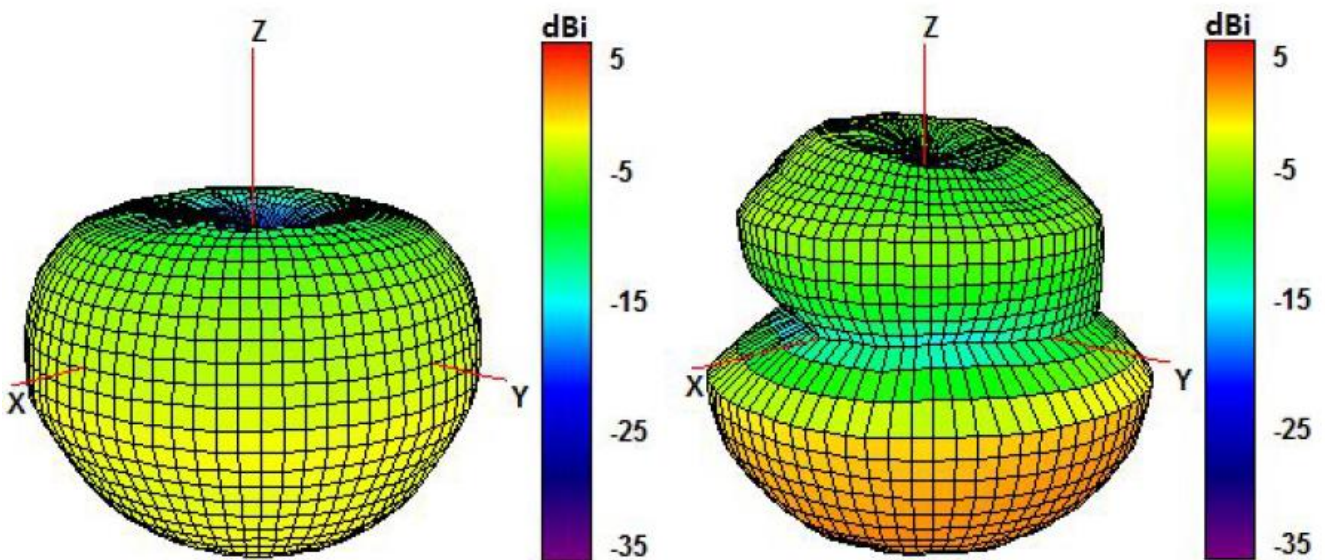


Radiation pattern reference



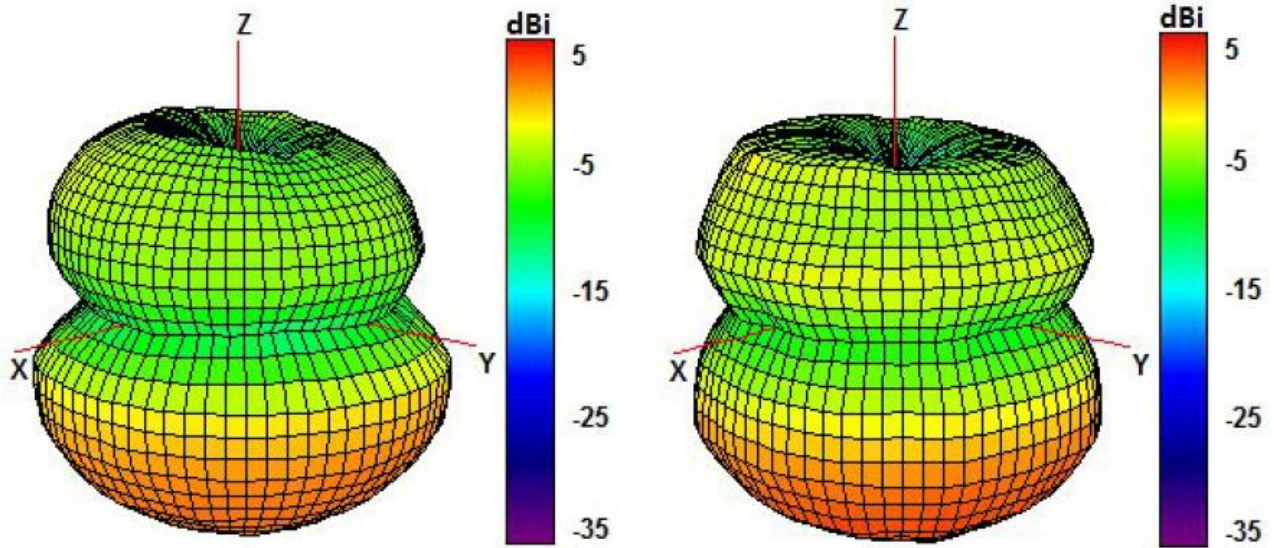


750 and 850 MHz Radiation pattern

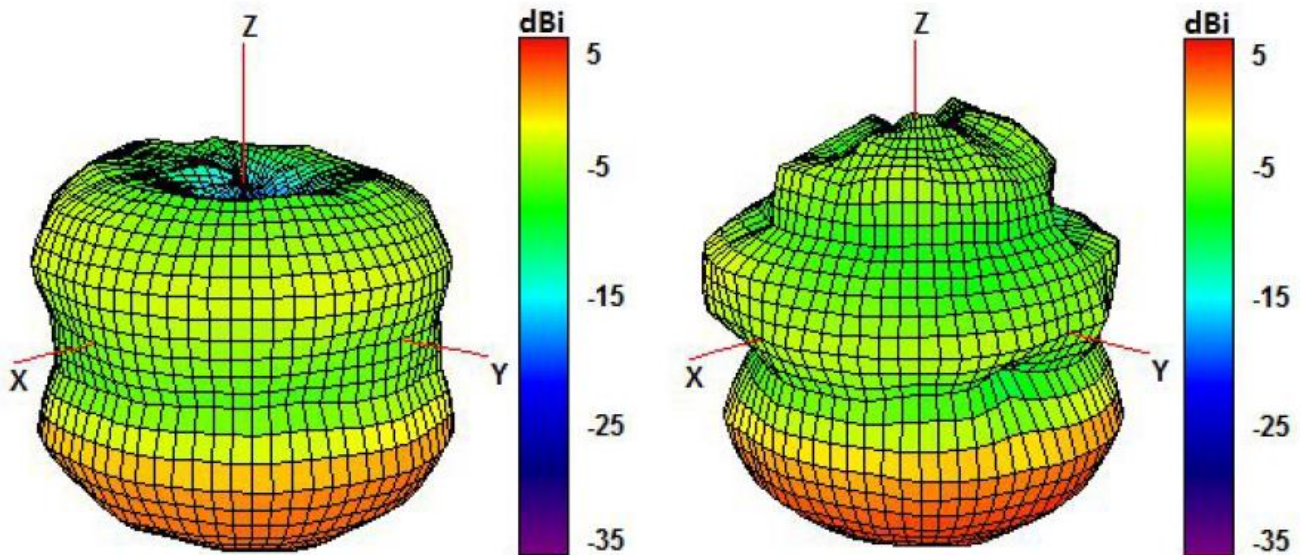


940 and 1750 MHz Radiation pattern





1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

