

AMC-ANT-2J3024M

4G LTE/3G/2G magnetic mount antenna

Features

- Cellular/LTE:
 - 698 – 960MHz
 - 1710 – 2170MHz
 - 2500 – 2700MHz
- Magnetic mount
- High performance
- Ground plane dependent
- Dimensions: \varnothing 31 x 72mm
- Customisable cable and connector



1. Antenna and Electrical Specifications

Parameters	Cellular/LTE antenna		
Standards	4G/3G/2G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698 - 960	1710 - 2170	2500 - 2700
Return loss (dB)	~-13.4	~-14.1	~-18.1
VSWR	~1.9:1	~1.5:1	~1.3:1
Efficiency (%)	~47	~39	~36
Peak gain (dBi)	~1.0	~2.4	~2.1
Average gain (dB)	~-3.3	~-4.1	~-4.5
Impedance (Ohms)	50		
Polarisation	Linear		
Radiation pattern	Omni-Directional		
Max. input power (W)	35		
Connector type	SMA male standard (other connectors available)		
Cable length	3 metres standard (other lengths available)		
Cable type	LMR100 standard (other cables available)		

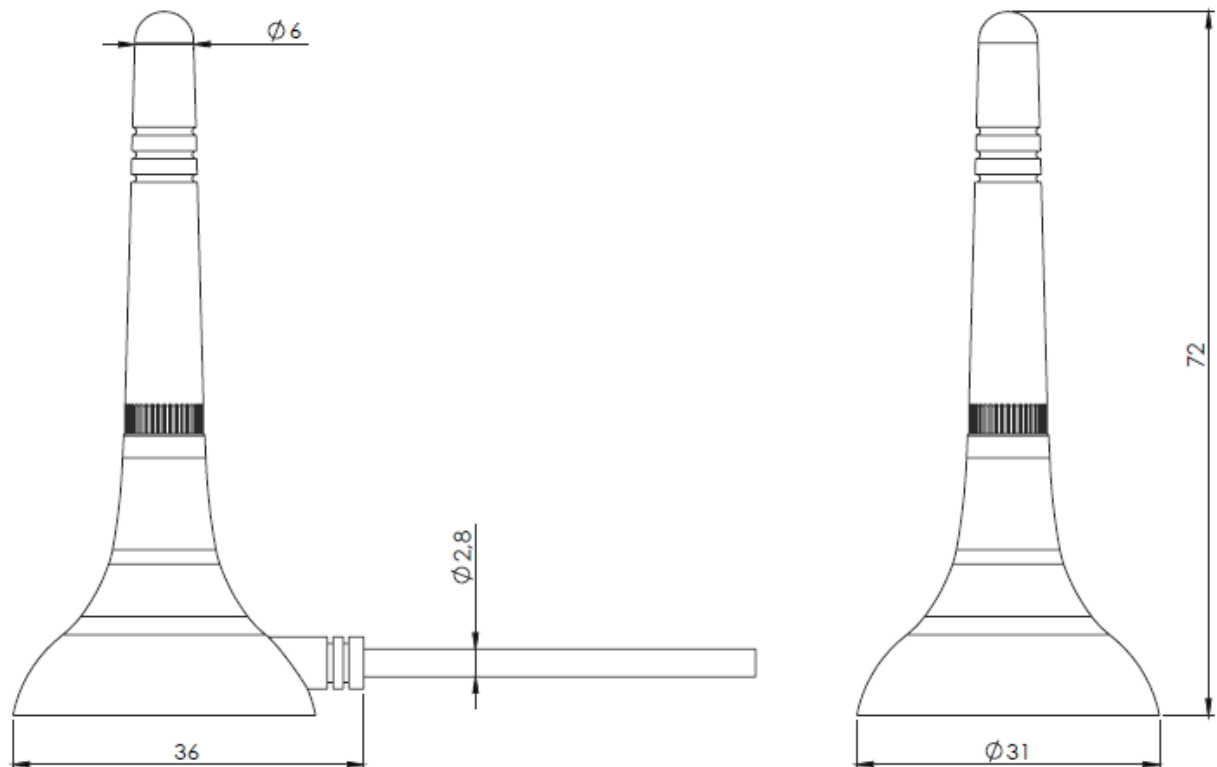
Measurement Conditions:

- Mounted on 30 x 30cm metal plate
- 2 metres LMR100 cable
- Measured in certified CTIA 3D Anechoic chamber

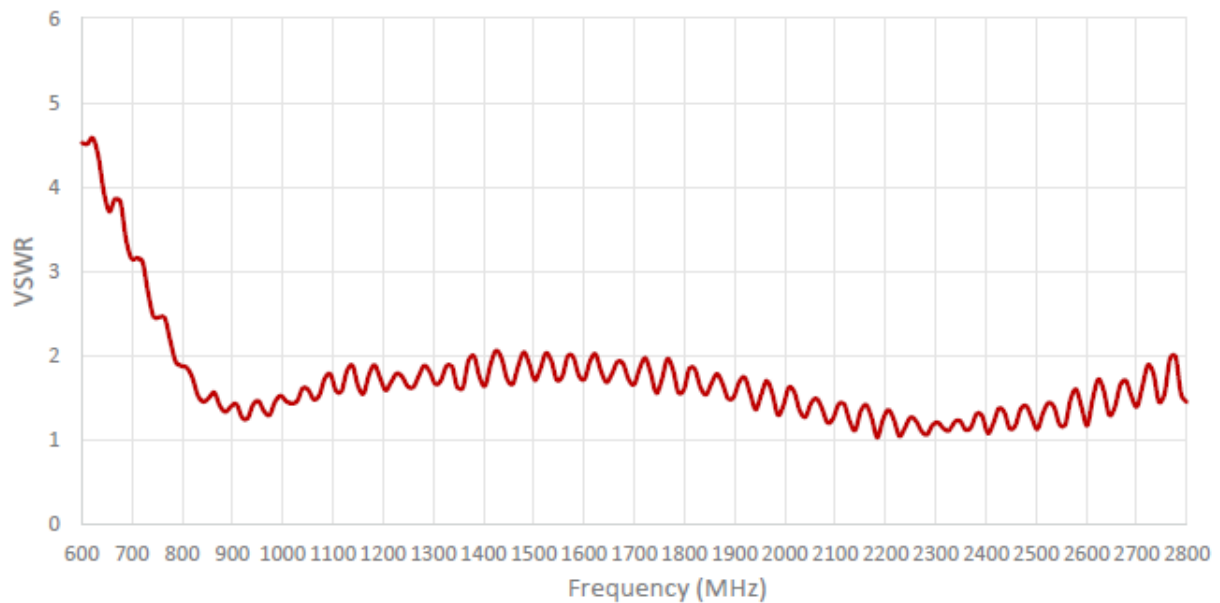
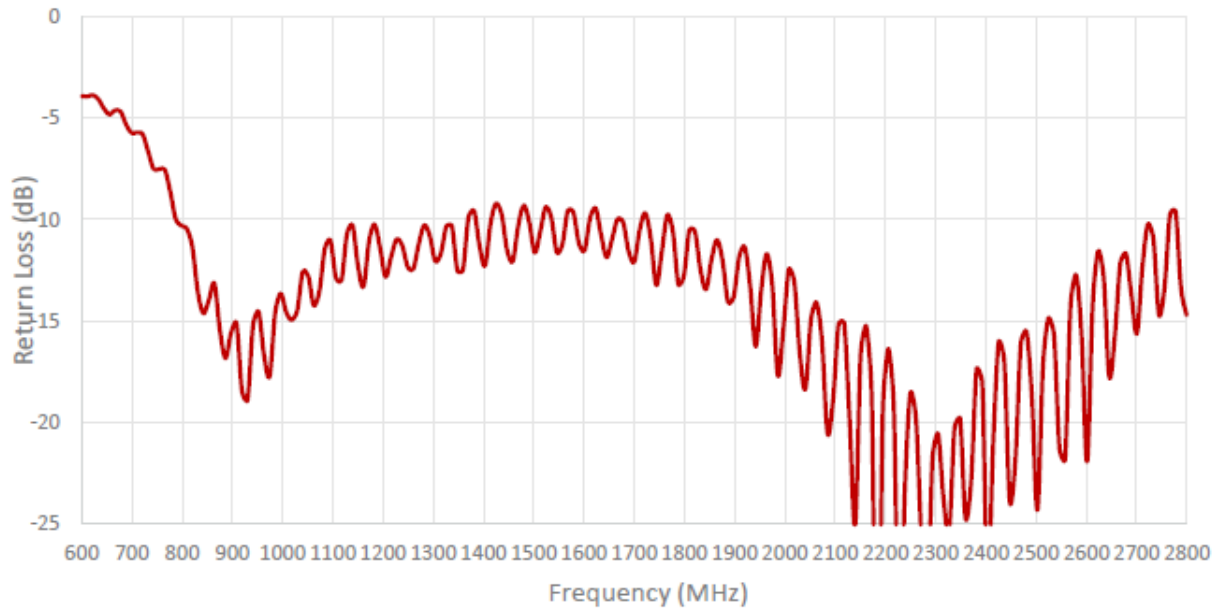


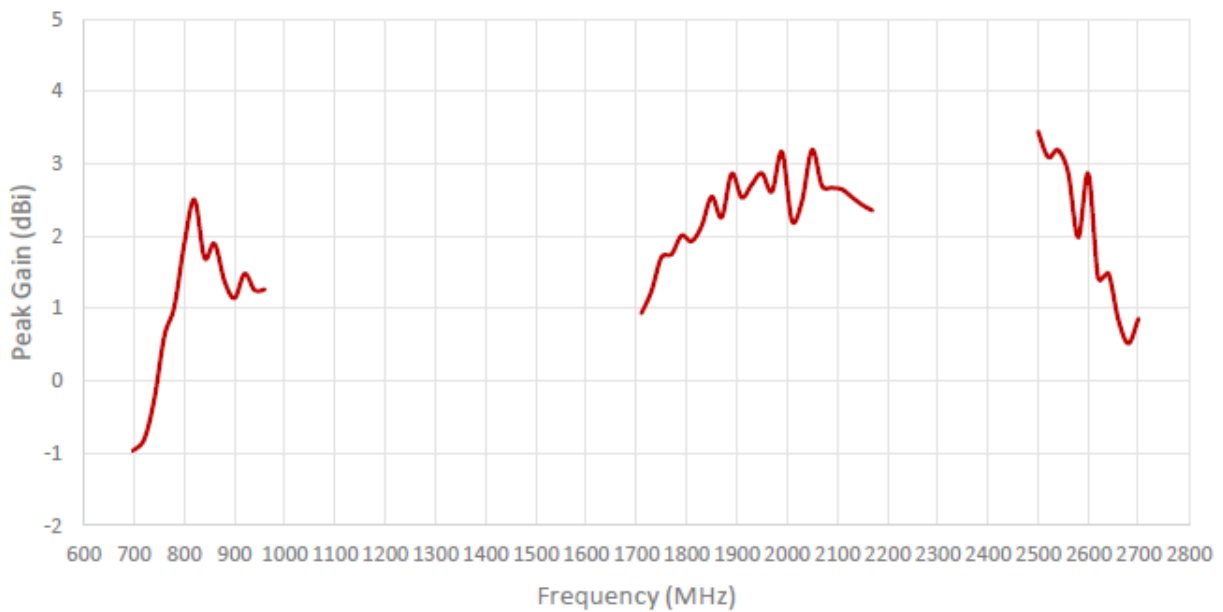
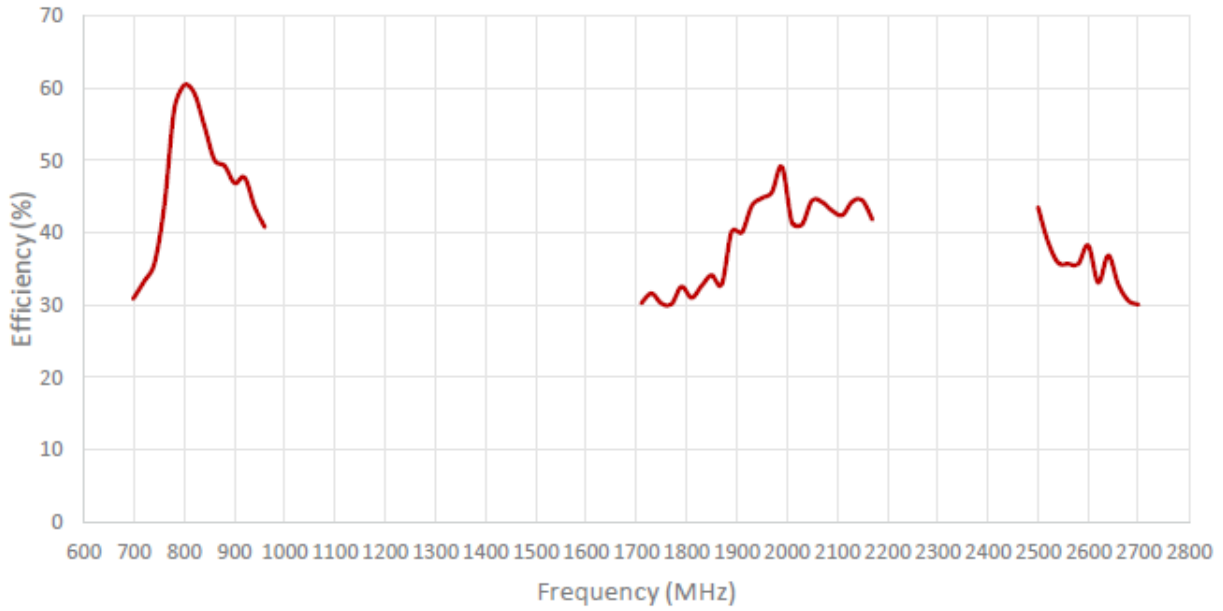
2. Mechanical and Environmental Specifications

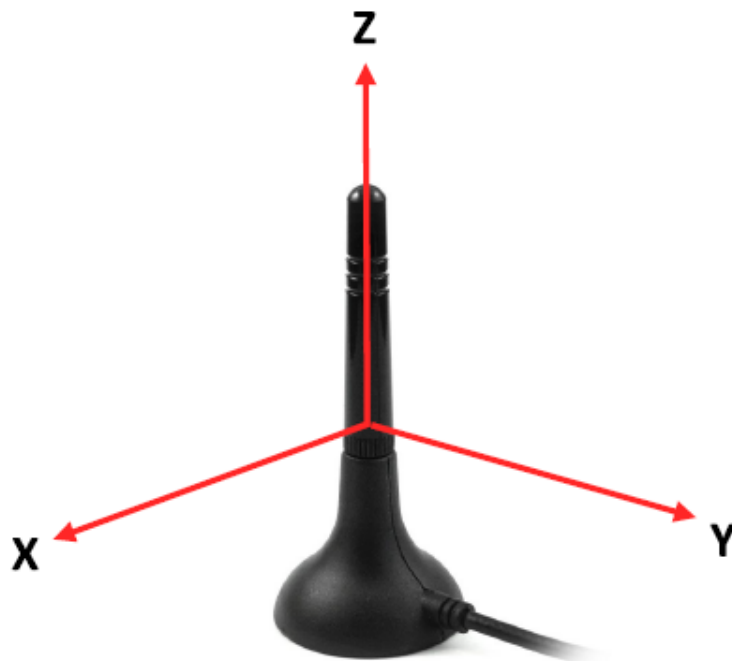
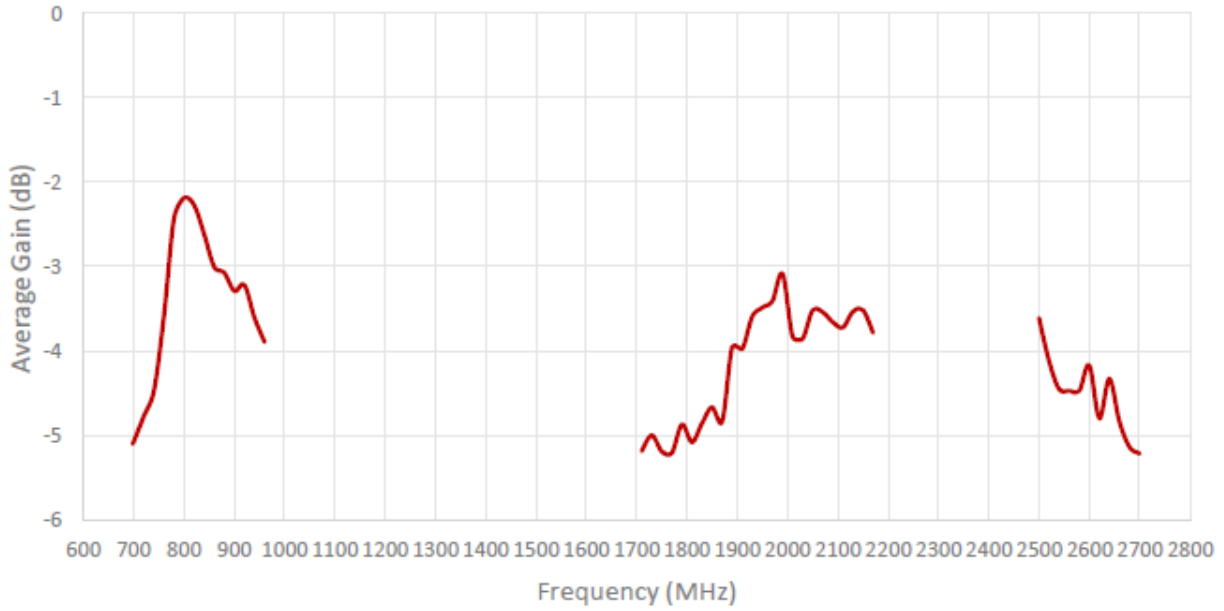
Mounting type	Magnetic mount
Dimensions (mm)	∅ 31 x 72
Radome colour	Black
Antenna base	PP
Whip material	Brass
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Substance compliance	RoHS



3. Antenna Parameters

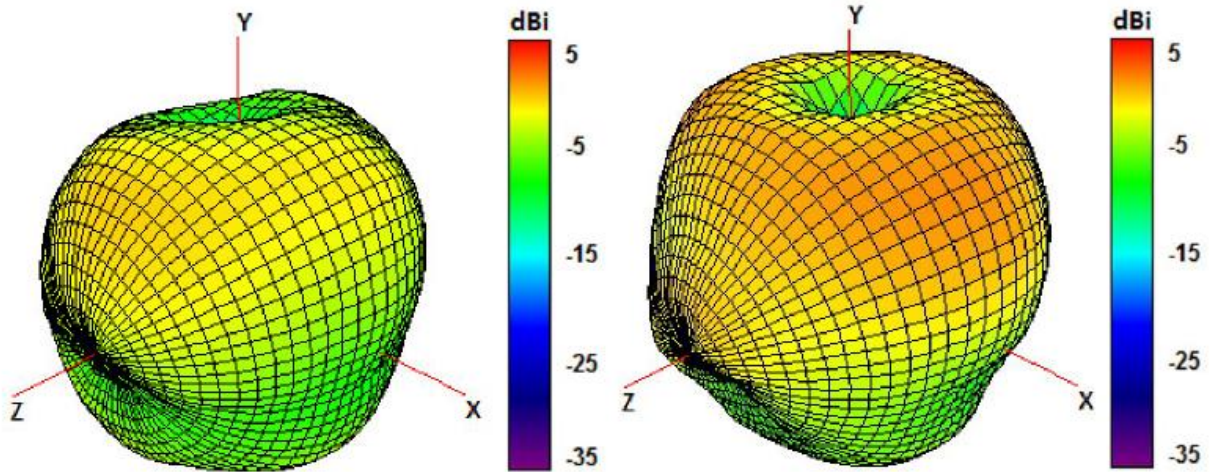




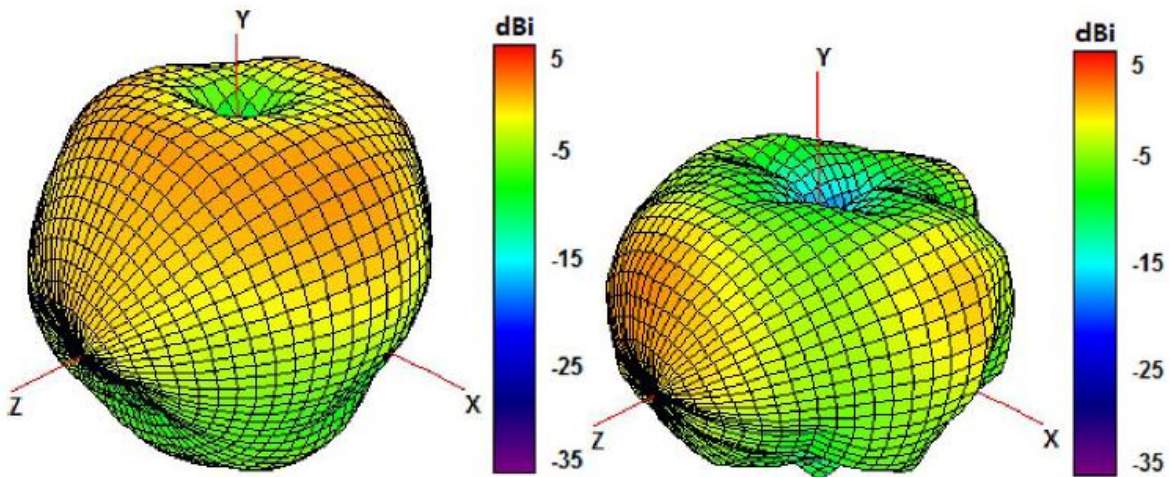


Radiation pattern reference



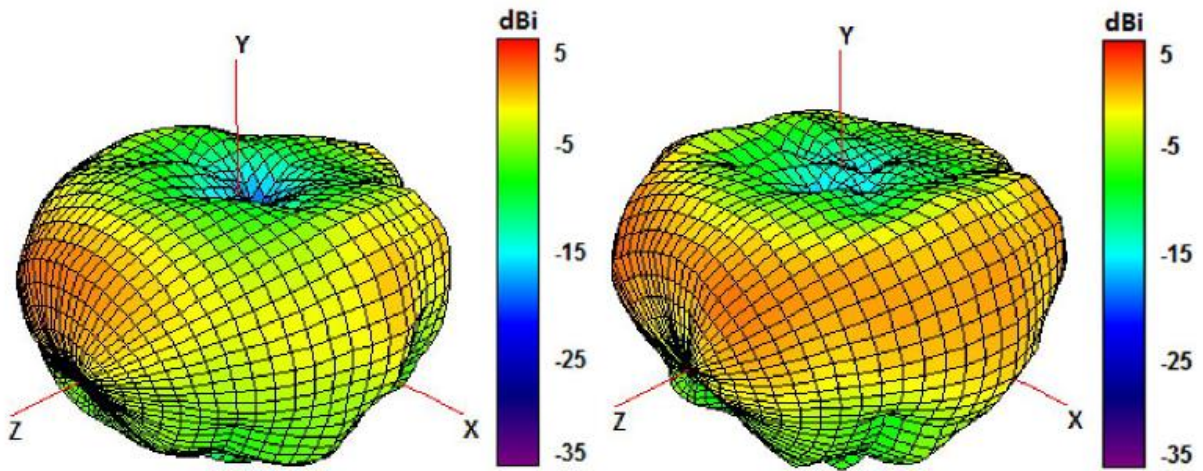


750 and 850 MHz Radiation pattern

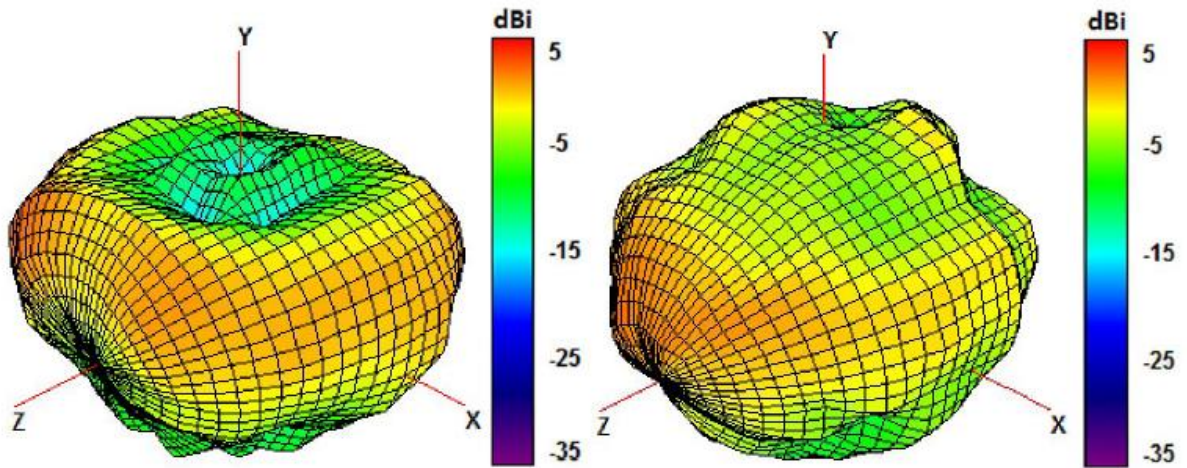


940 and 1750 MHz Radiation pattern





1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

