

AMC-ANT-2J4824P

Cellular/LTE adhesive mount antenna

Features

- Cellular/LTE:
 - 698 – 960MHz
 - 1710 – 2170MHz
 - 2500 – 2700MHz
- Adhesive mount
- Ground plane independent
- Certificates: IP67, IP69
- Dimensions: 83 x 35 x 13.3mm
- Customisable cable and connector
- Optional antenna detection resistor (AMC-ANT-2J4824PR)



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)	~-13.1	~-16.7	~-11.6
VSWR	~1.9:1	~1.4:1	~1.8:1
Efficiency (%)	~59	~55	~31
Peak Gain (dBi)	~3.4	~2.1	~1.0
Average Gain (dB)	~-2.3	~-2.5	~-5.1
Impedance (Ohms)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	SMA male (nickel) standard (other connectors available)		
Cable Length	3 metres standard (other lengths available)		
Cable Type	LMR100 standard (other cables available)		

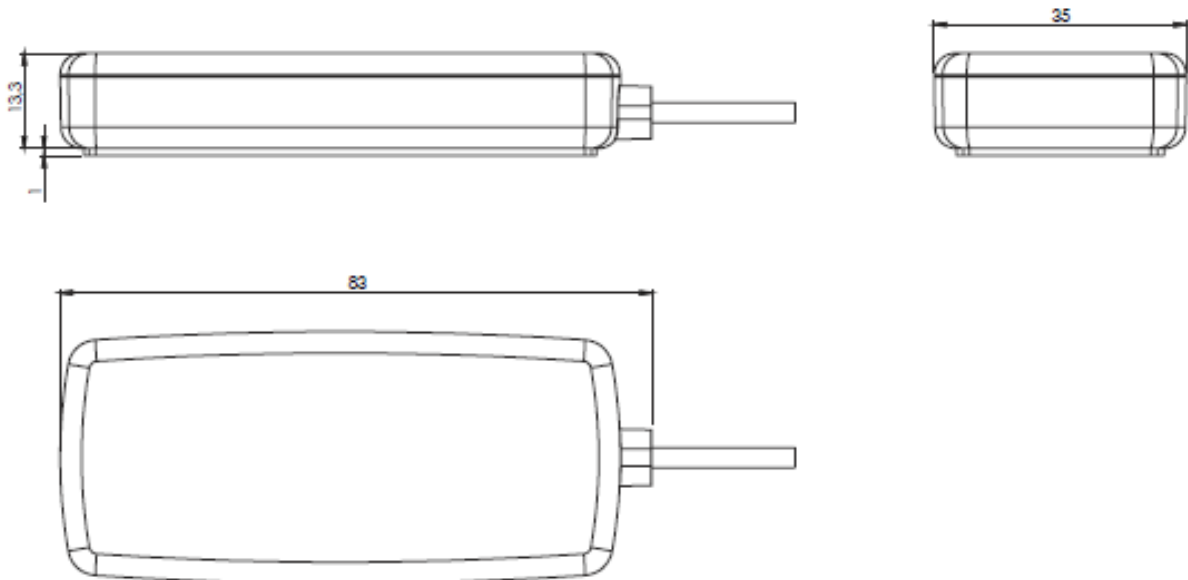
Measurement Conditions:

- Measured on 30 x 30 x 0.25cm ABS plate
- 2 metres LMR100 cable
- Measured in certified CTIA 3D Anechoic chamber

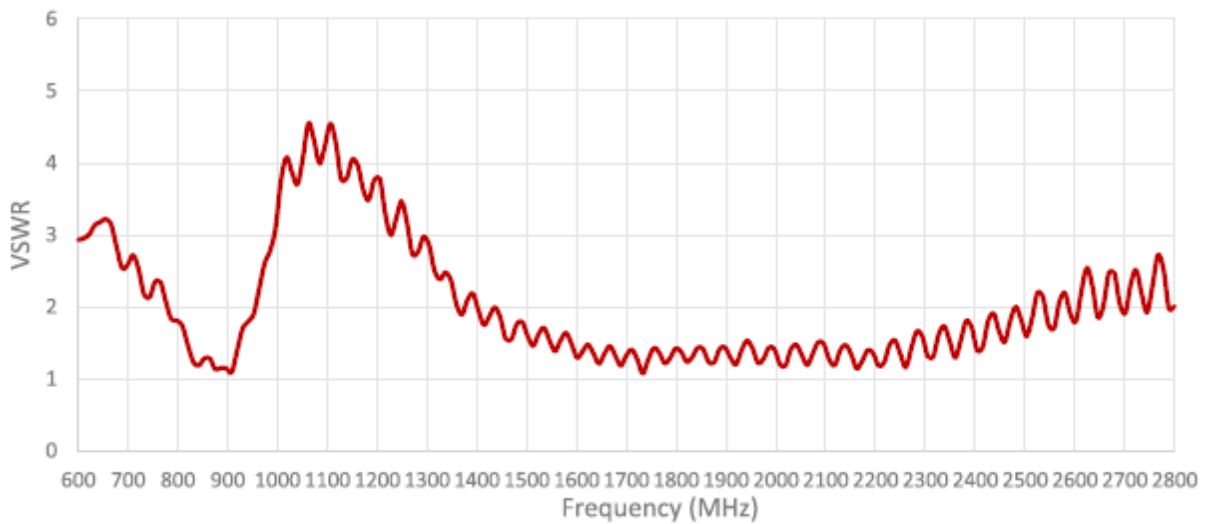
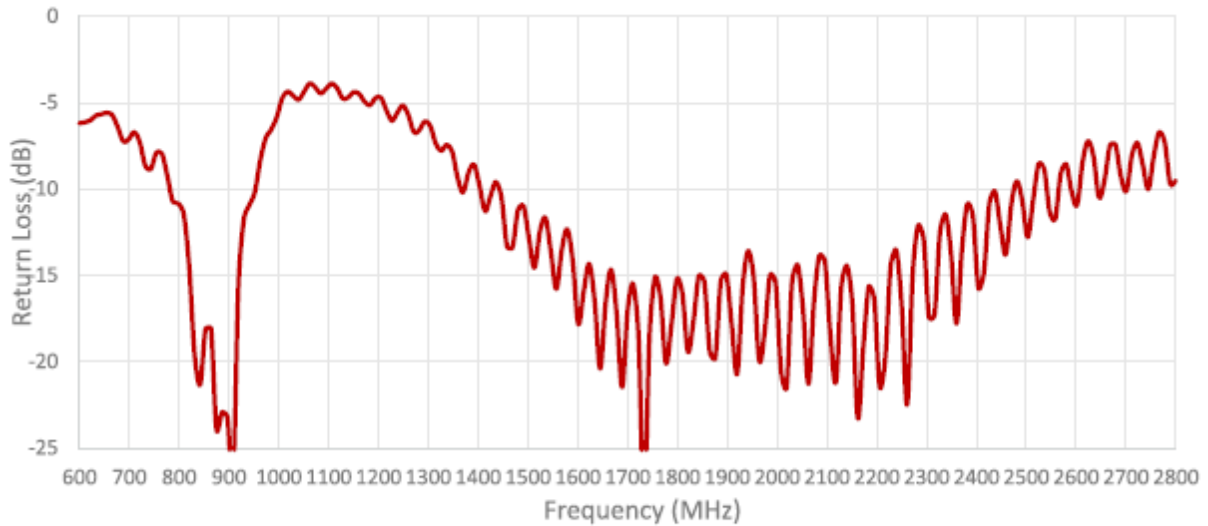


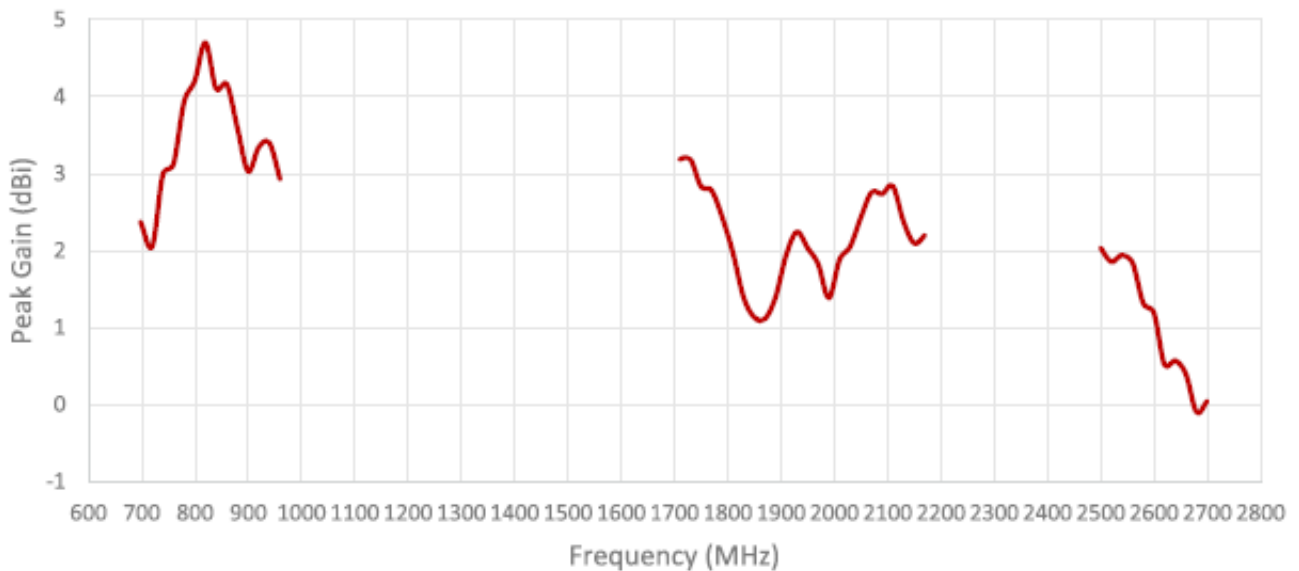
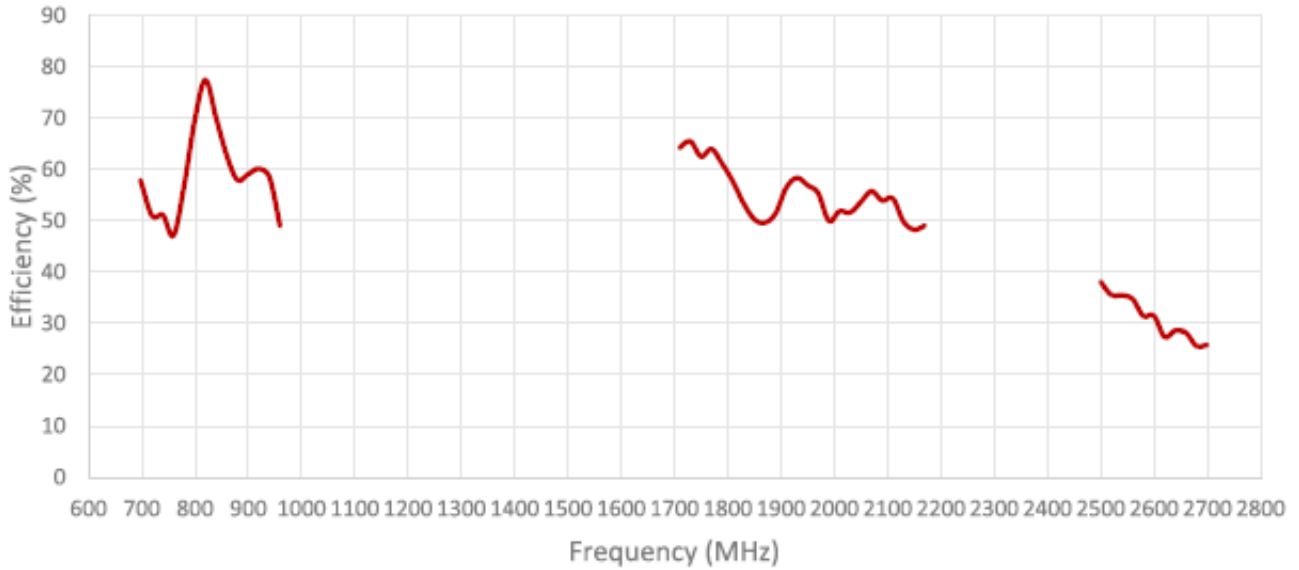
2. Mechanical and Environmental Specifications

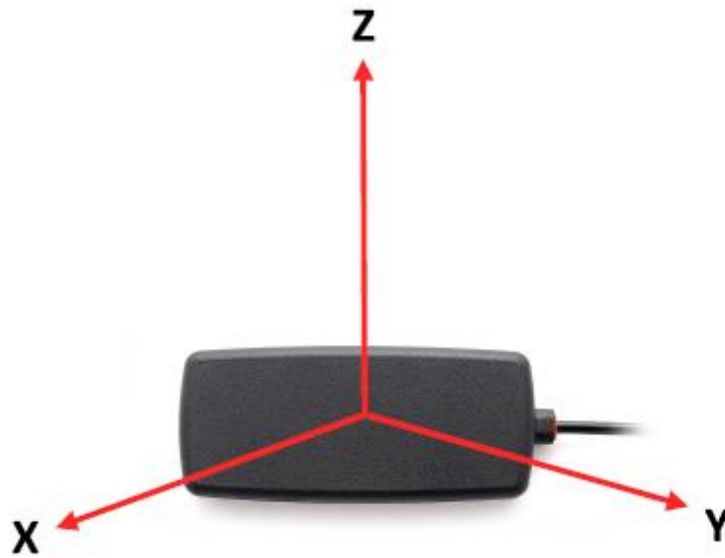
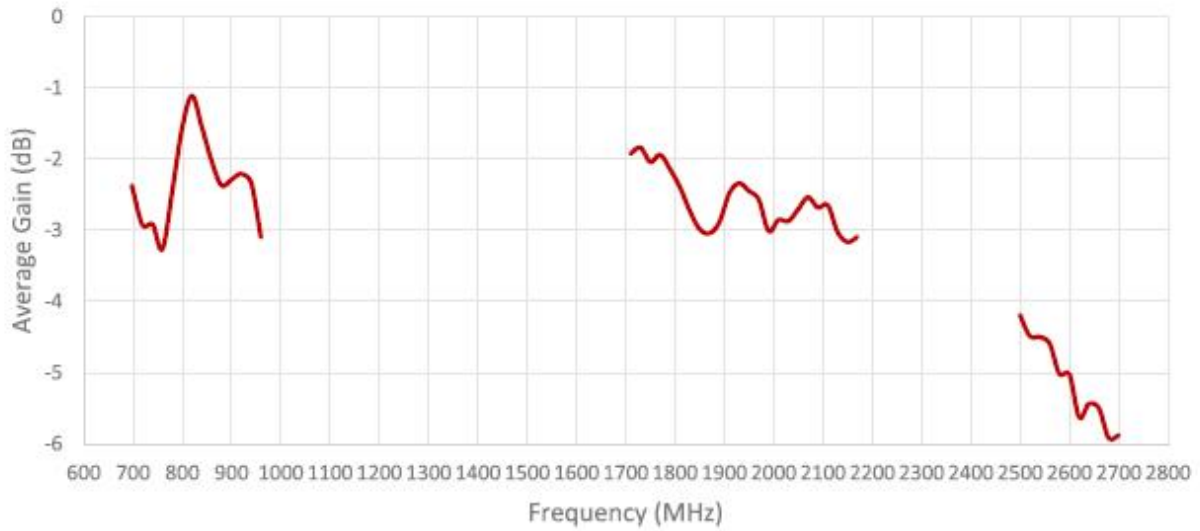
Mounting type	Adhesive mount
Dimensions (mm)	83 x 35 x 13.3
Radome	ABS
Radome Colour	Black
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69



3. Antenna Parameters

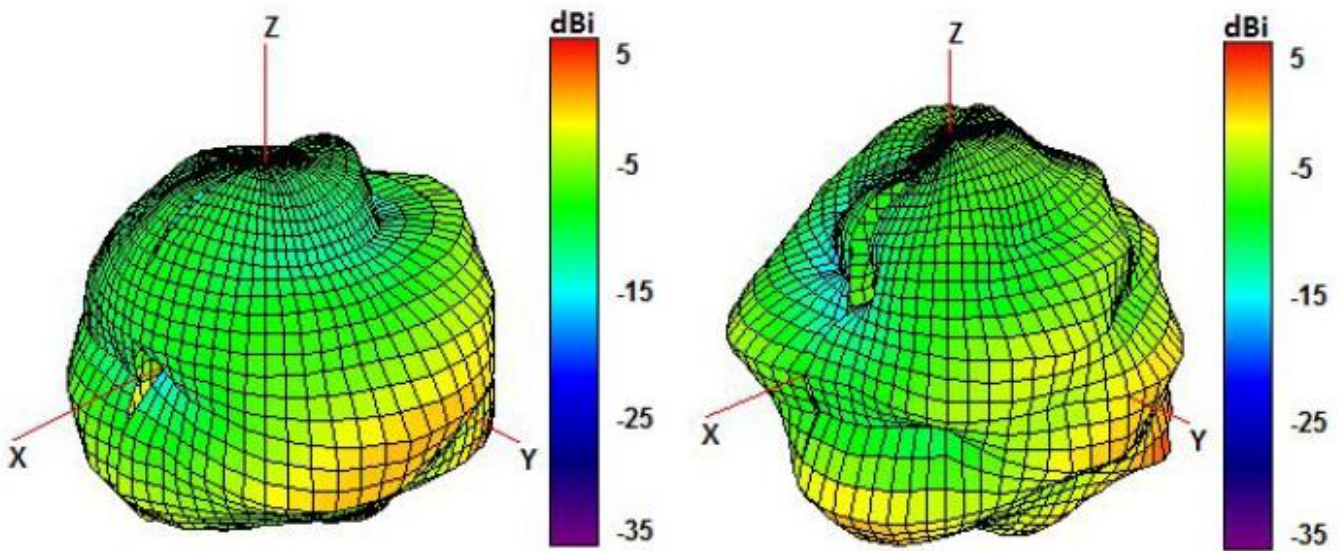




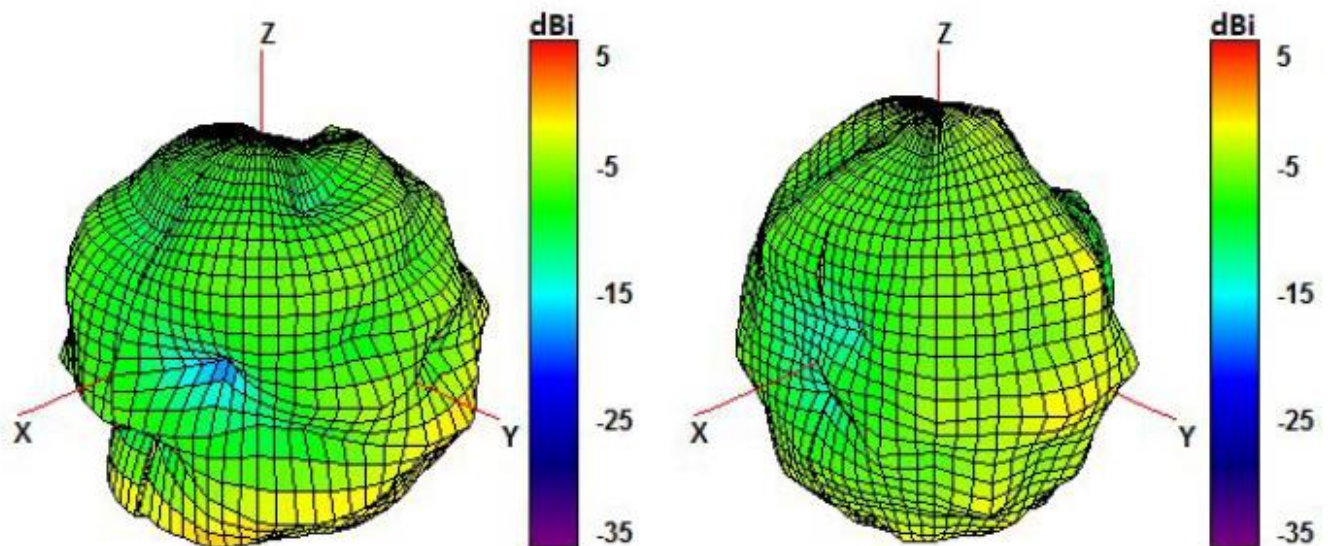


Radiation pattern reference



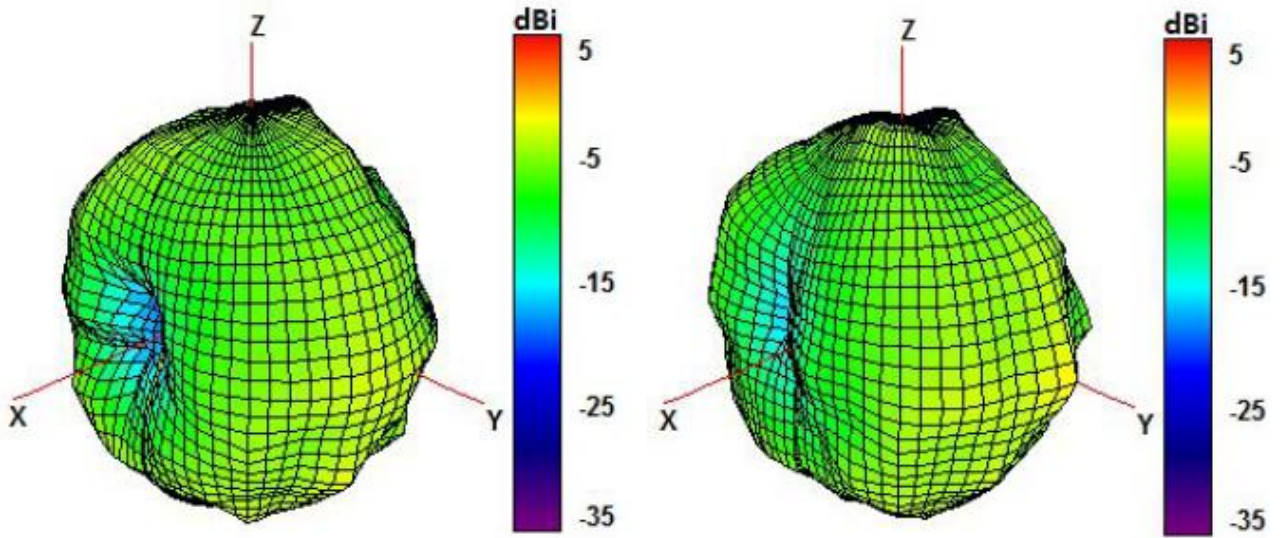


750 and 850 MHz Radiation pattern

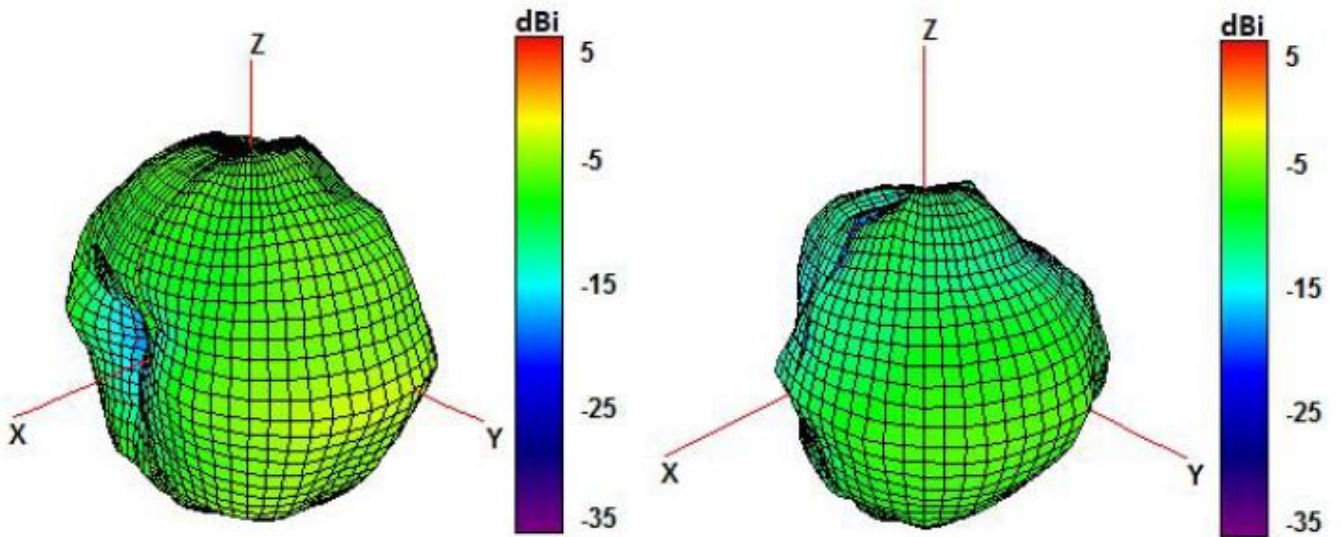


940 and 1750 MHz Radiation pattern





1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

