

2J5124P (Alpha Micro Part No. AMC2J5124P)

Cellular/LTE Adhesive Mount Antenna

Features

Cellular/LTE

- 698 – 960MHz
- 1710 – 2170MHz
- 2500 – 2700MHz

Adhesive mount

Flexible housing

High performance

Compact size

Optional antenna detector resistor

Customizable cable length and connector type

Dimensions 122 x 14 x 6mm



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1. Antenna and Electrical Specifications

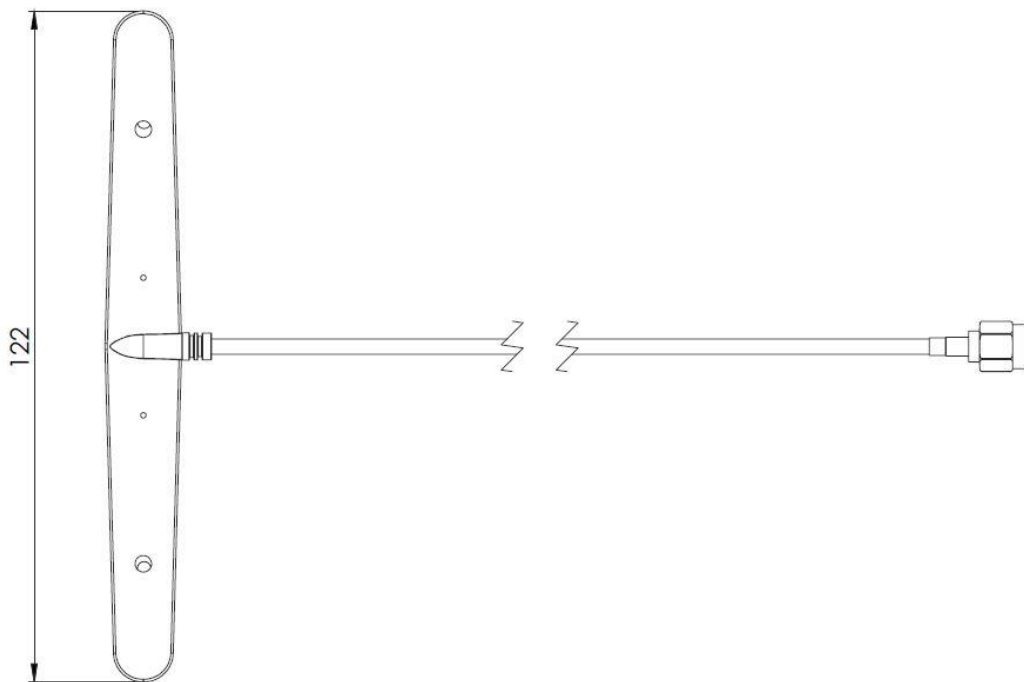
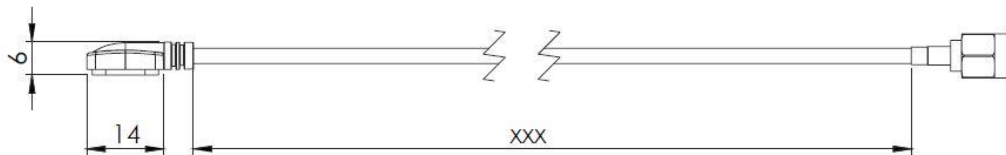
Parameters	Cellular/LTE Antenna		
Standards	2G/3G/4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698 - 960	1710 - 2170	2500 - 2700
Return Loss (dB)	~-11.5	~-14.4	~-11.5
VSWR	~2.0:1	~1.5:1	~1.8:1
Efficiency (%)	~53	~52	~41
Peak Gain (dBi)	~2	~4.1	~4.1
Average Gain (dB)	~-2.8	~-2.8	~-3.9
Impedance (Ohms)	50		
Polarization	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	Straight SMA male standard (other connectors available)		
Cable Length	3 meters standard (other lengths available)		
Cable Type	LMR100 standard (other cables available)		

Measurement Conditions:

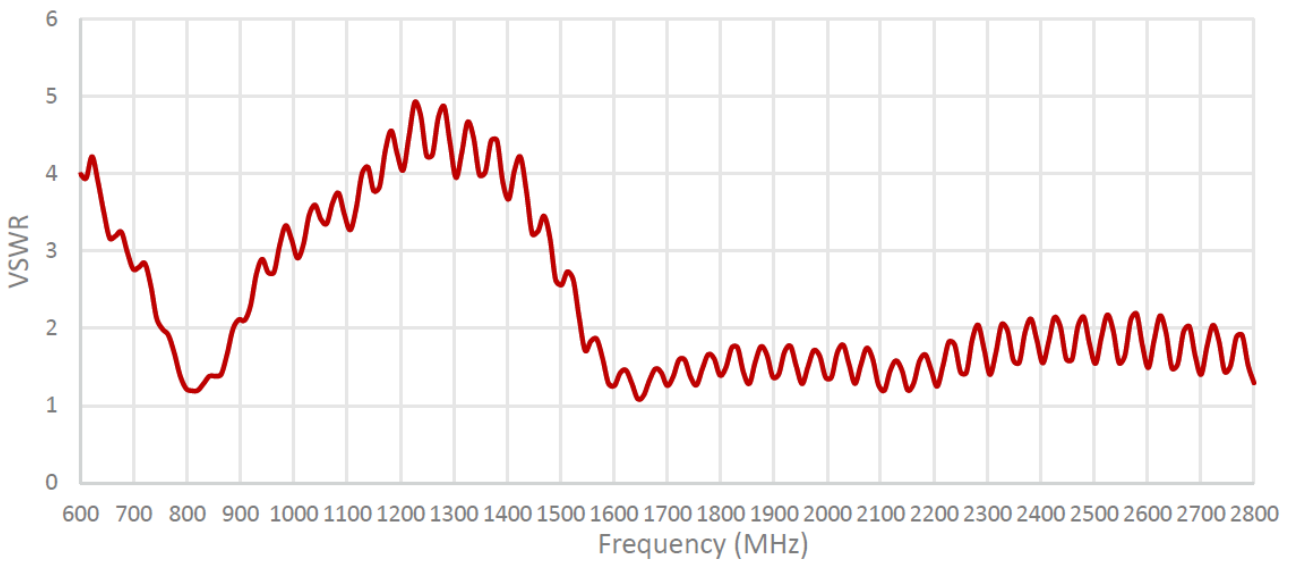
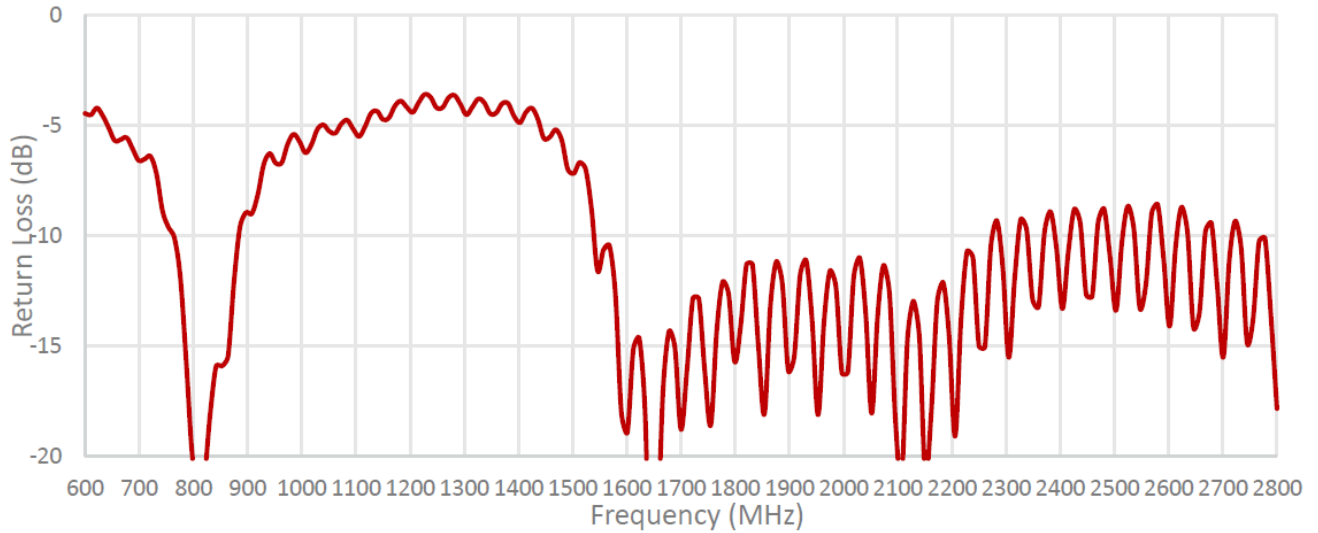
- Mounted on 300mm x 300mm x 2.5mm ABS plate
- 2m of LMR100 cable
- Measured in certified CTIA 3D anechoic chamber

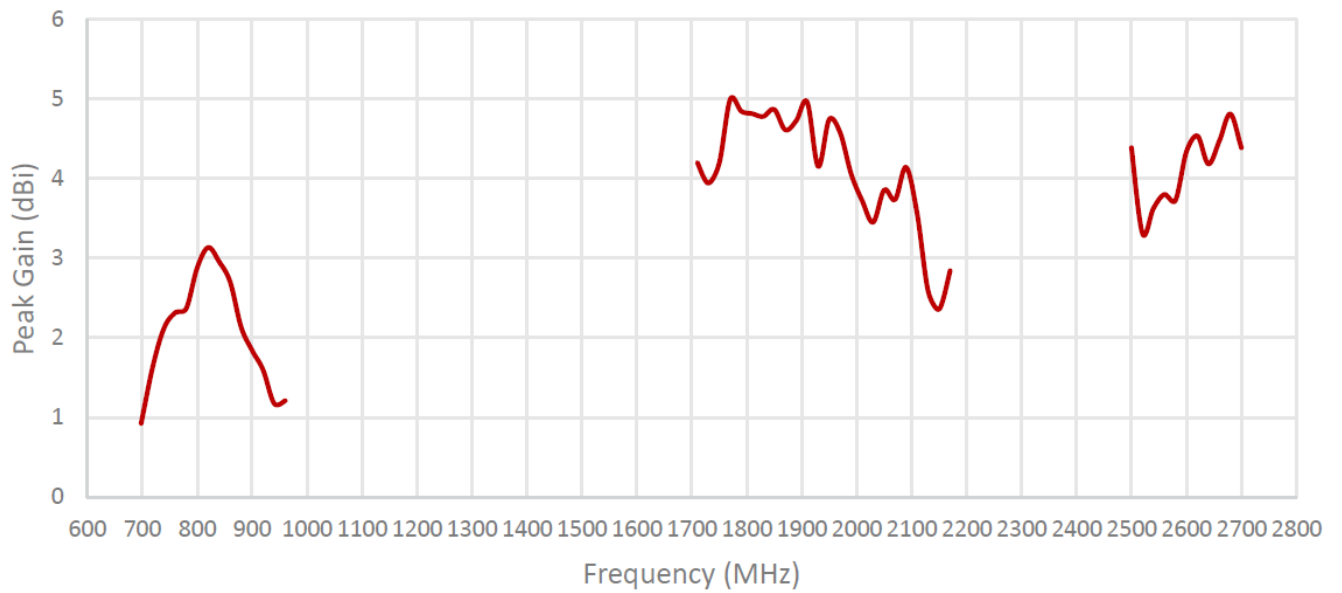
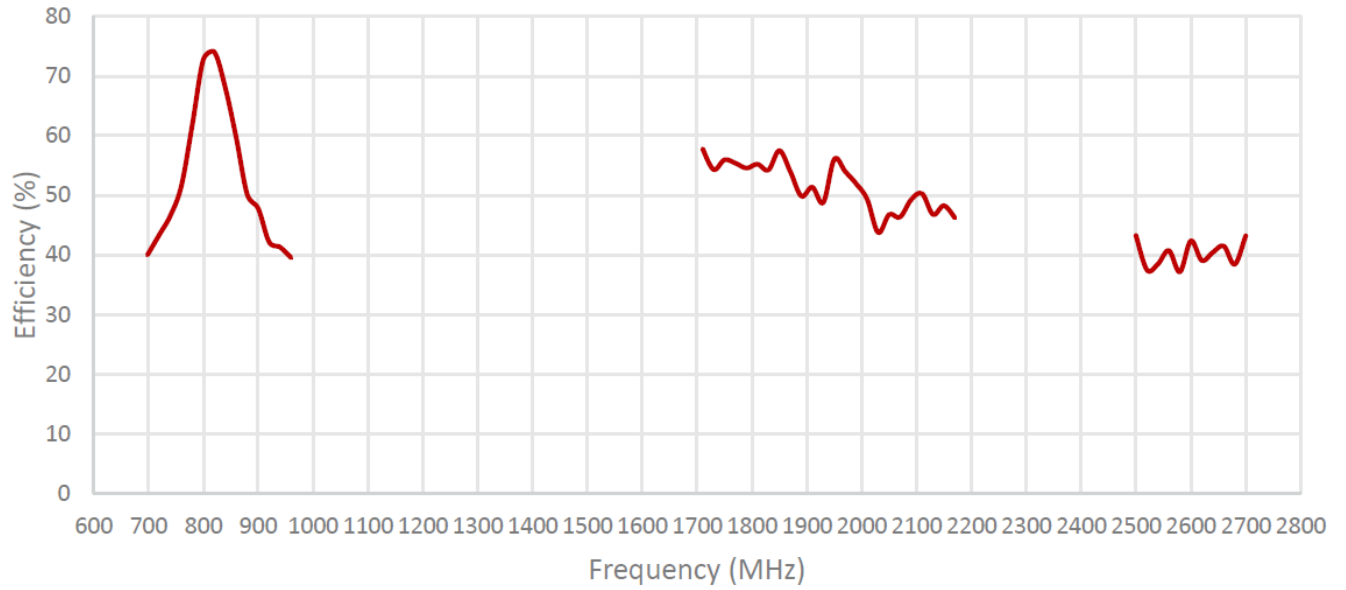
2. Mechanical and Environmental Specifications

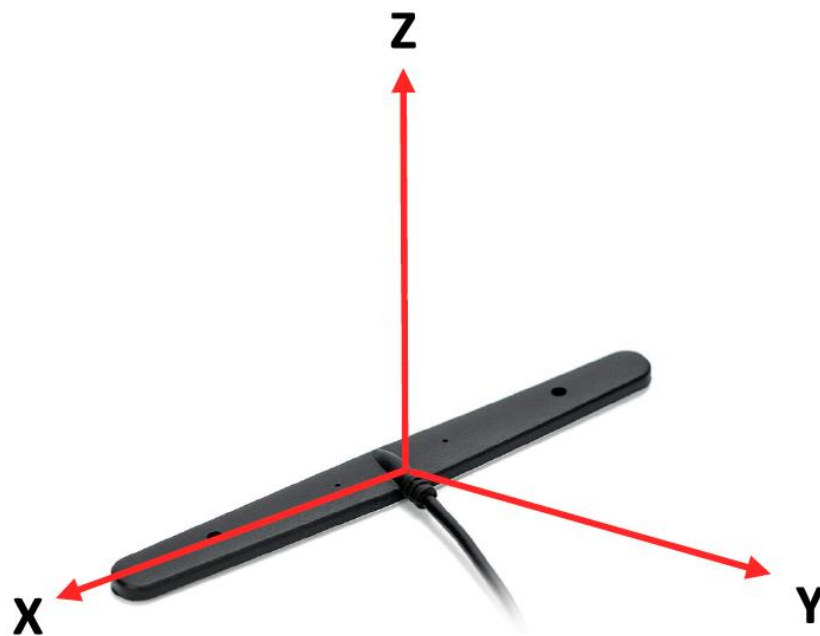
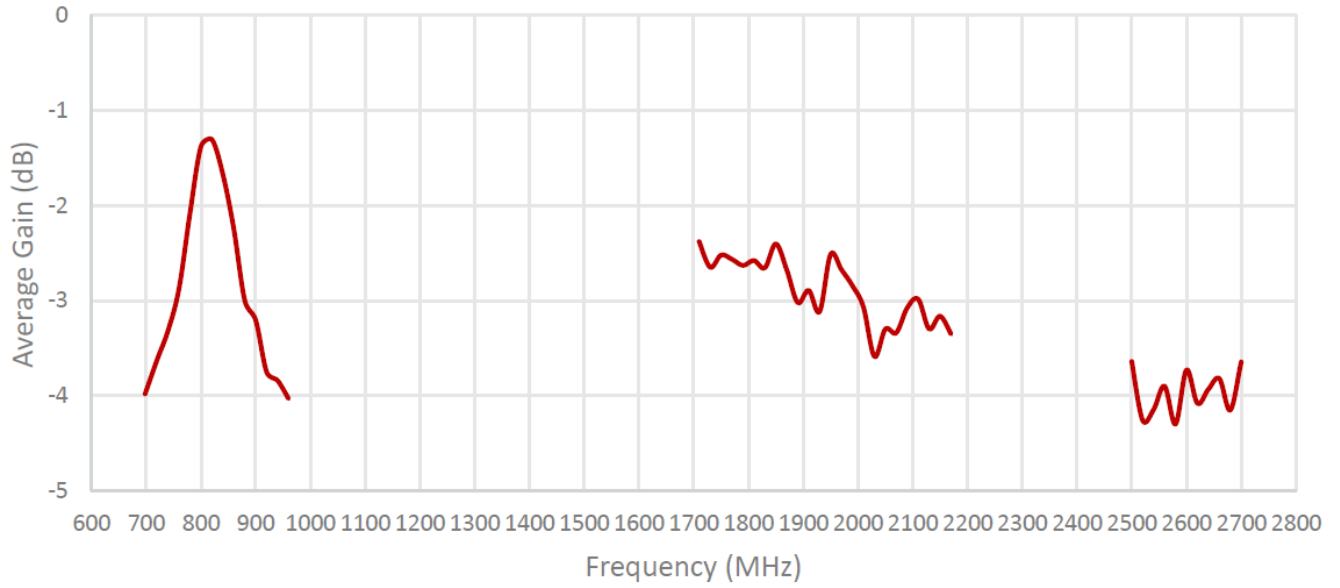
Mounting Type	Adhesive mount
Dimensions (mm)	122 x 14 x 6
Material	TPE
Color	Black (standard) / White (optional)
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Substance Compliance	RoHS



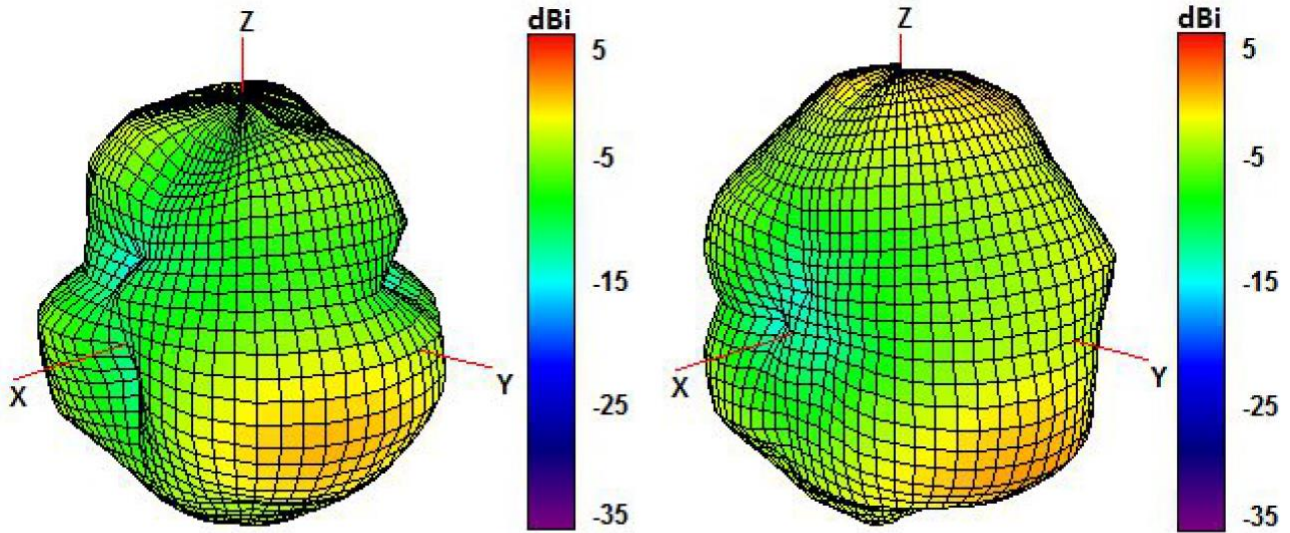
3. Antenna Parameters



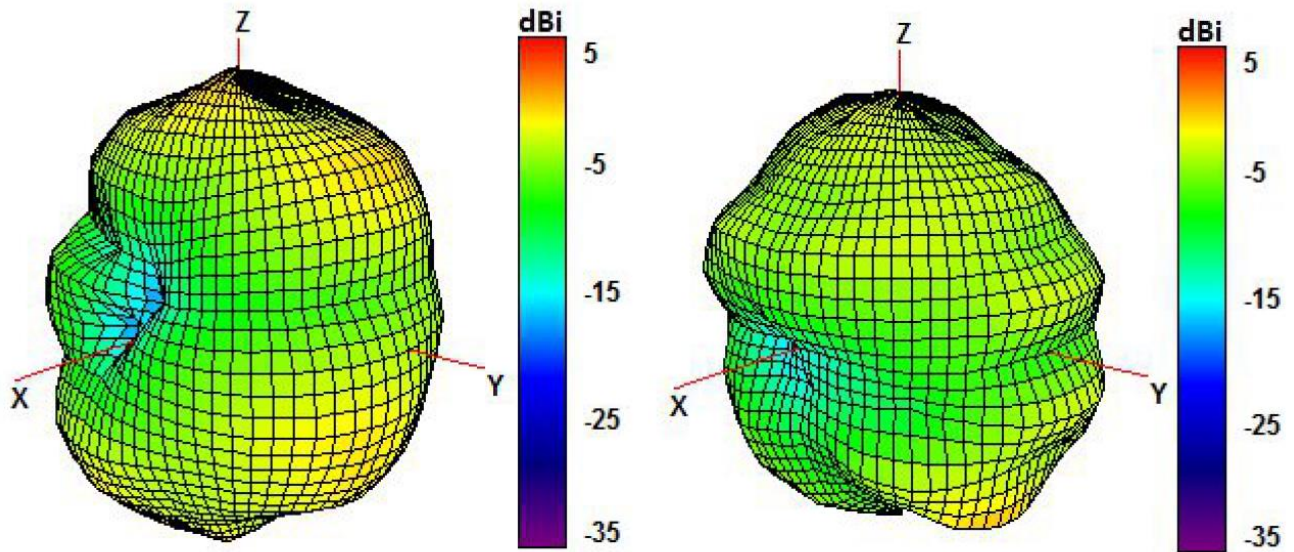




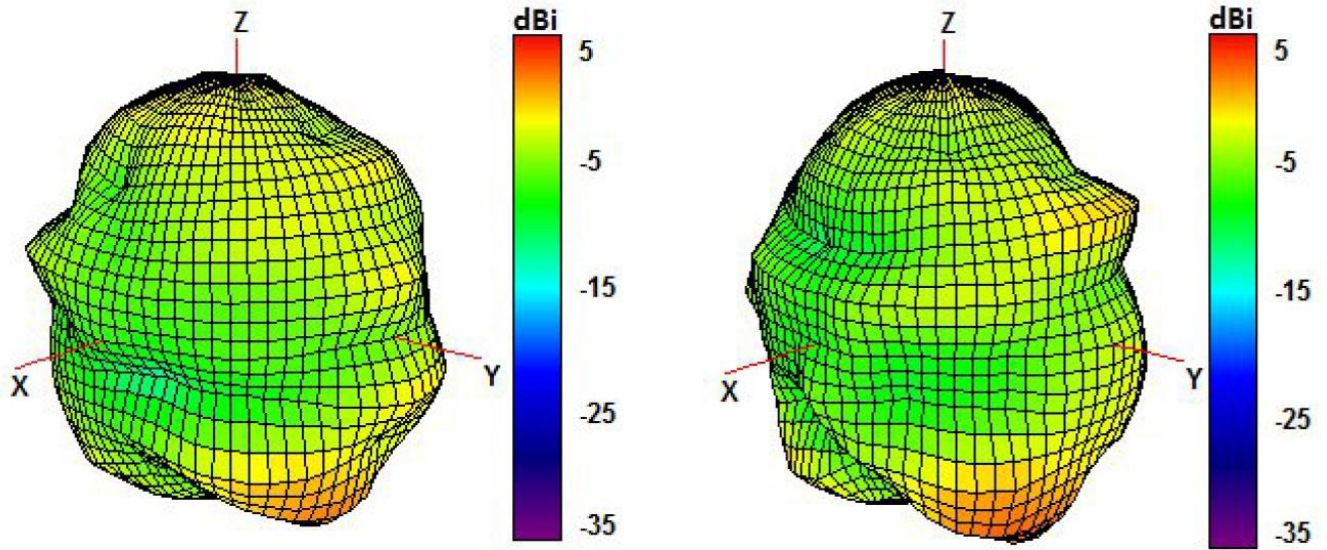
Radiation Pattern Reference



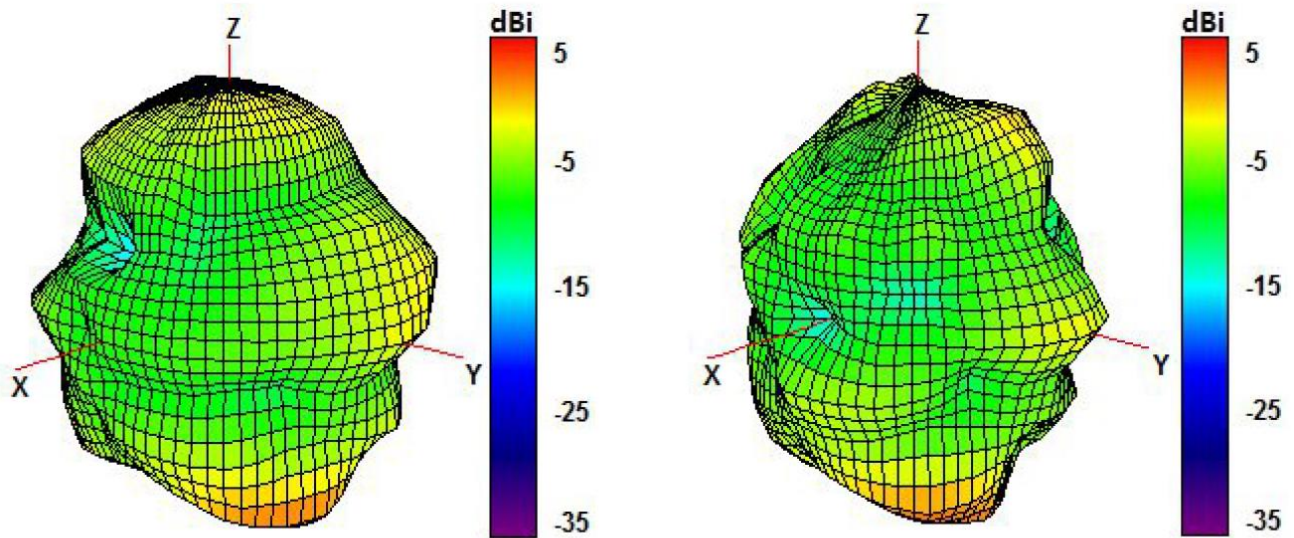
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern



1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern