

GC-4841PGF

2G | 3G | 4G-LTE | GPS | GLONASS | QZSS | GALILEO

- Dimensions : 83mm x 35mm x 13.3mm
- Active Gain (dB) : 28 @ 2.7 V
- Câble et connecteurs sur mesure à la demande



SKU: GC-4841PGF



Antenna and electrical specifications

Cable 1

Parameters		CELLULAR/LTE Antenna	
Standards		2G,3G and 4G	
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698-960	1710-2170	2500-2700
Return Loss (dB)	~-13.3	~-18.3	~-9.8
VSWR	~1.8:1	~1.3:1	~2.0:1
Efficiency (%)	~53	~49	~25
Peak Gain (dBi)	~-2.4	~-1.3	~-0.4
Average Gain (dB)	~-2.7	~-3.0	~-5.9
Impedance (Ohm)		50	
Polarisation		Linear	
Radiation Pattern		Omni-Directional	
Max. Input Power (W)		25	
Connector Type		SMA-Male Standard (Other Connectors Available)	
Cable Length		300 cm Standard (Any Cable Length Available)	
Cable Type		LMR100 Standard (Other Cables Available)	

Cable 2

Parameters	GPS/GLONASS Antenna		
Standard	GPS/QZSS/Galileo		GLONASS
Band (MHz)	1575		1602
Frequency(MHz)	1575.42		1598-1606
Patch Size (mm)		25 x 25 x 4	
Return Loss (dB)		<=-15 dB	
VSWR		<=1.4:1 dB	
Impedance		50	
Radiation Pattern		Hemispherical	
Polarization		RHCP	
Saw Filter		pre-filter	
Active Gain (dB)		28 @ 2.7 V	
Noise Figure (dB)		1.5 Typ	
Voltage (V)		1.5 – 3.6	
Current (mA)		9 Typ	
Power Consumption (mW)		24.3 Typ	
ESD Protection		2kV	
Connector Type	SMA-Male Standard (Other Connectors Available)		
Cable Length	300 cm Standard (Any Cable Length Available)		
Cable Type	LMR100 Standard (Other Cables Available)		

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

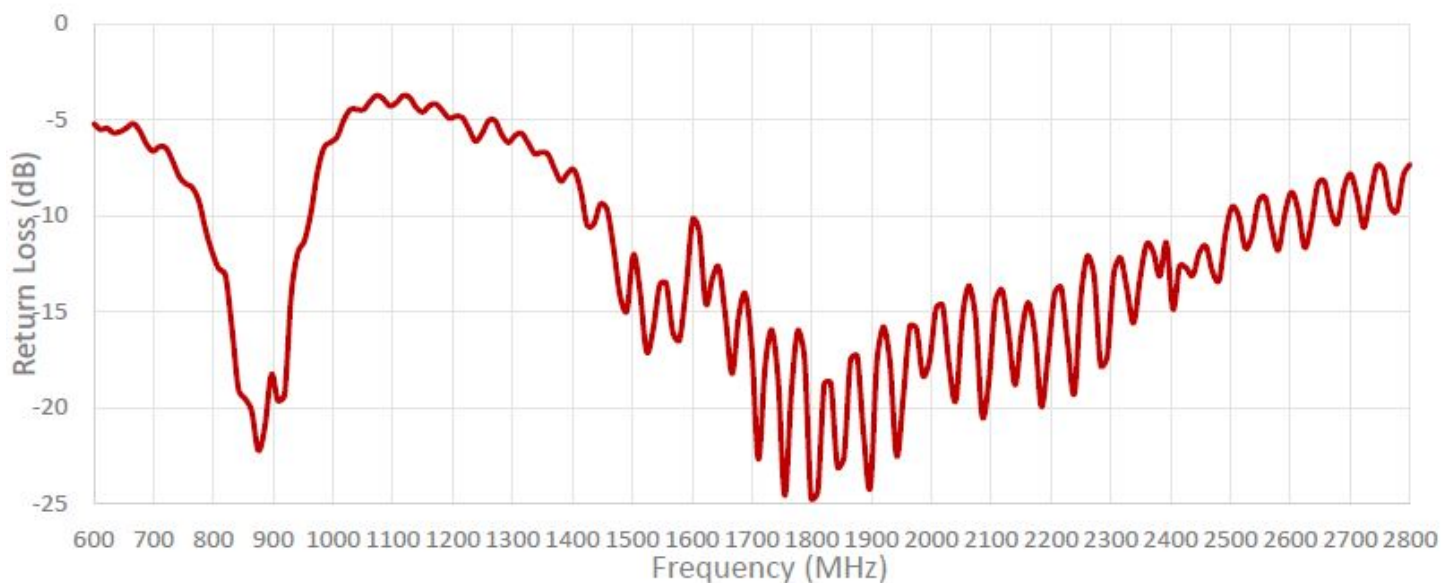
200 cm of Cable LMR100

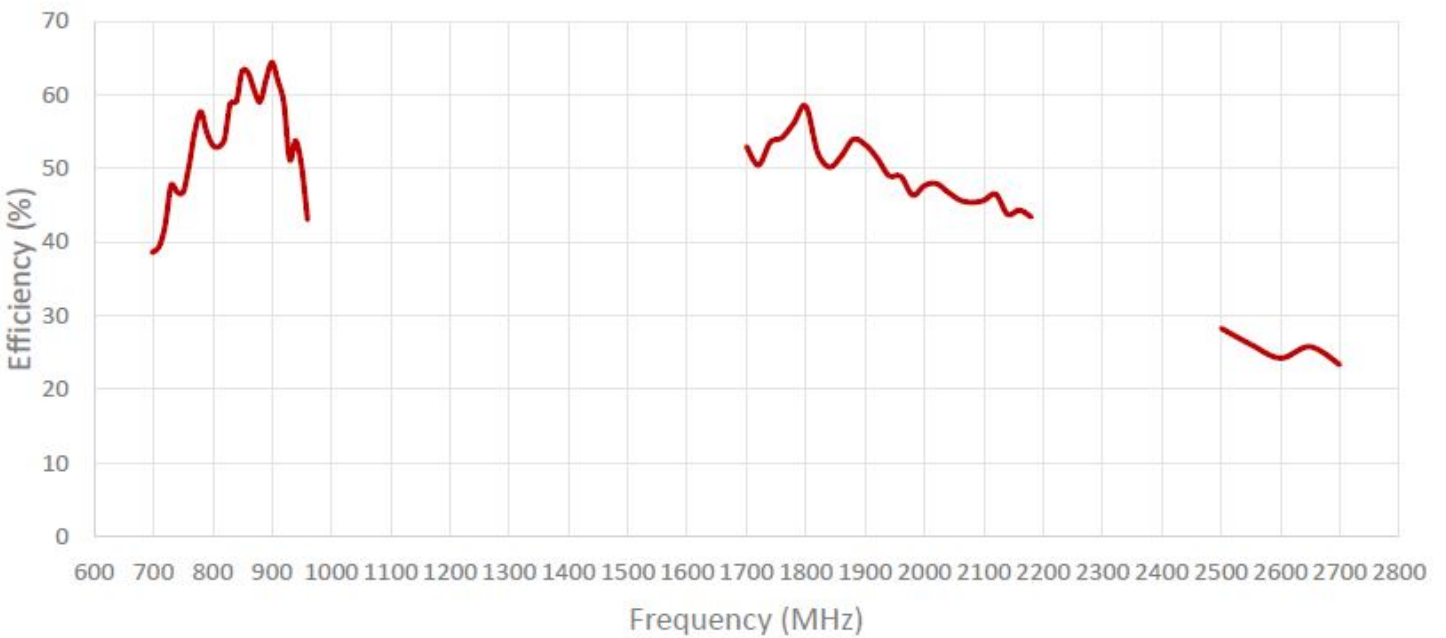
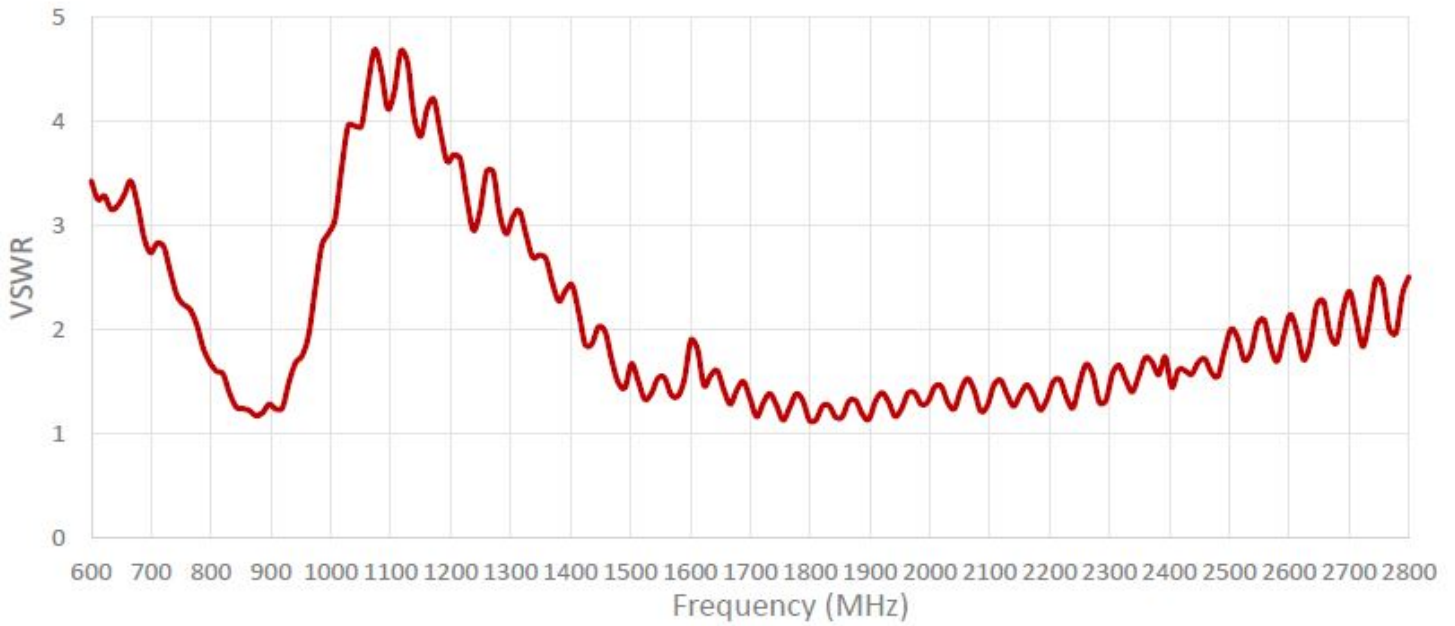
Measured in Certified CTIA 3D Anechoic Chamber

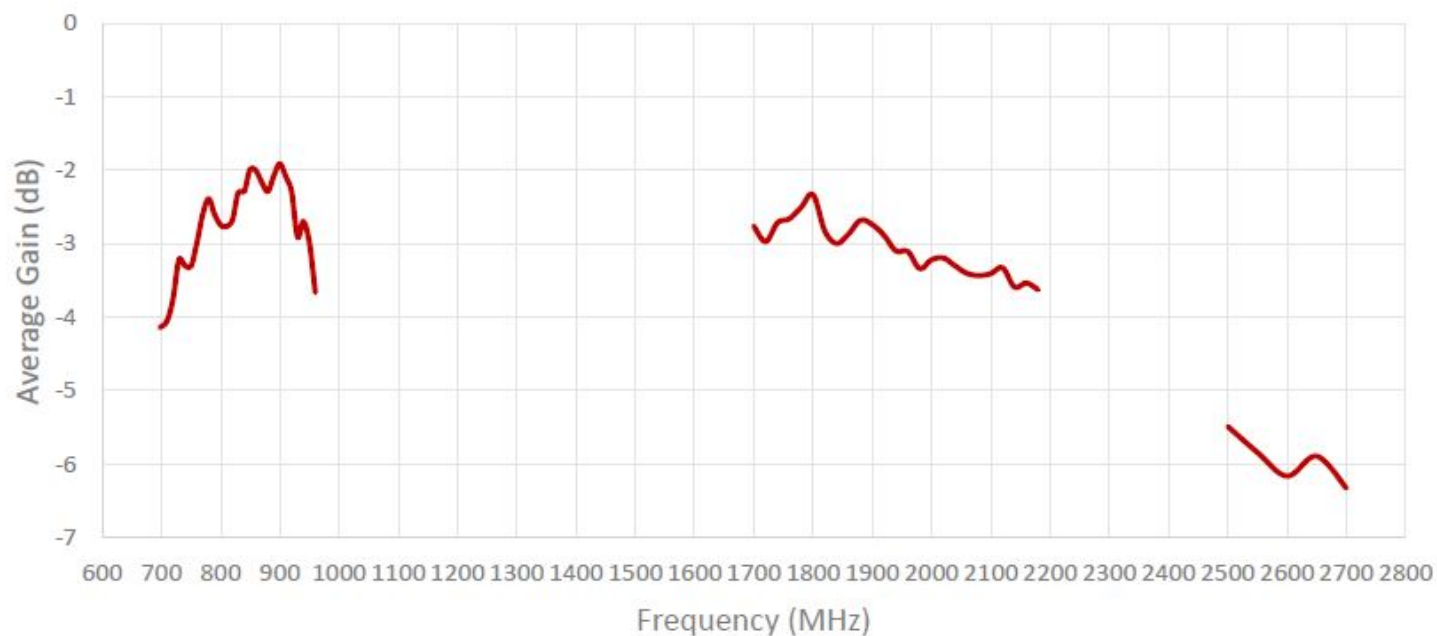
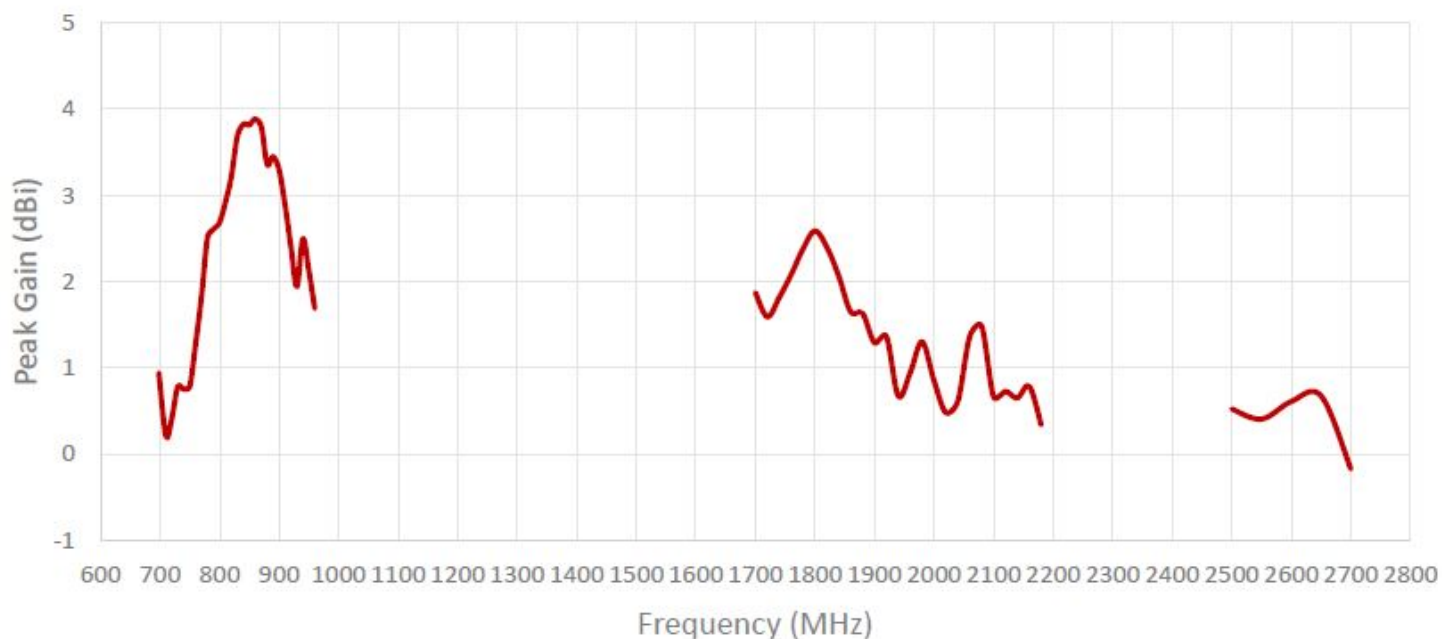
Mechanical and environmental specifications

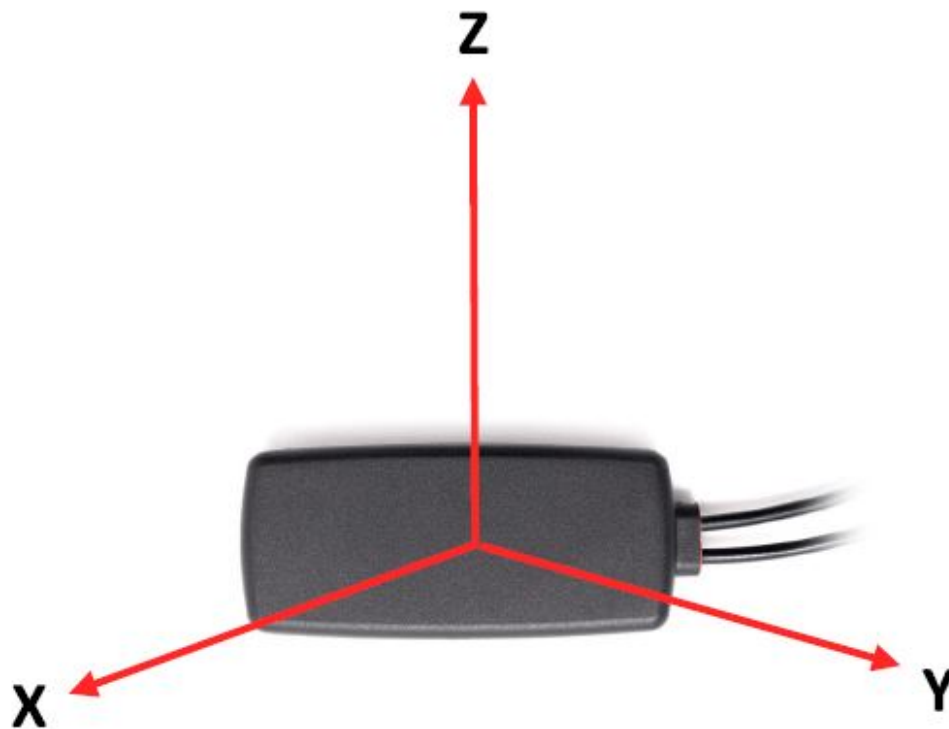
Specifications	GC-4841PGF
Mounting Type	Adhesive Mount
Dimensions (mm)	83 x 35 x 13.3
Radome	ABS UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

Antenna parameters

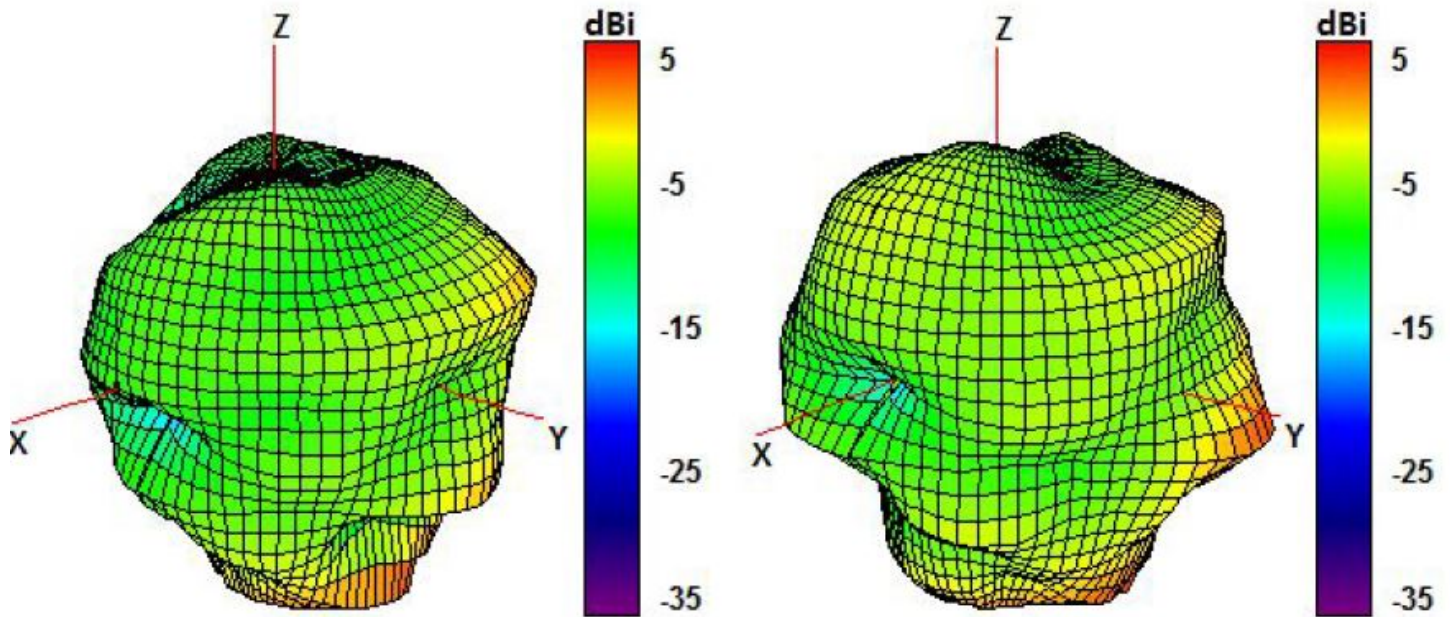




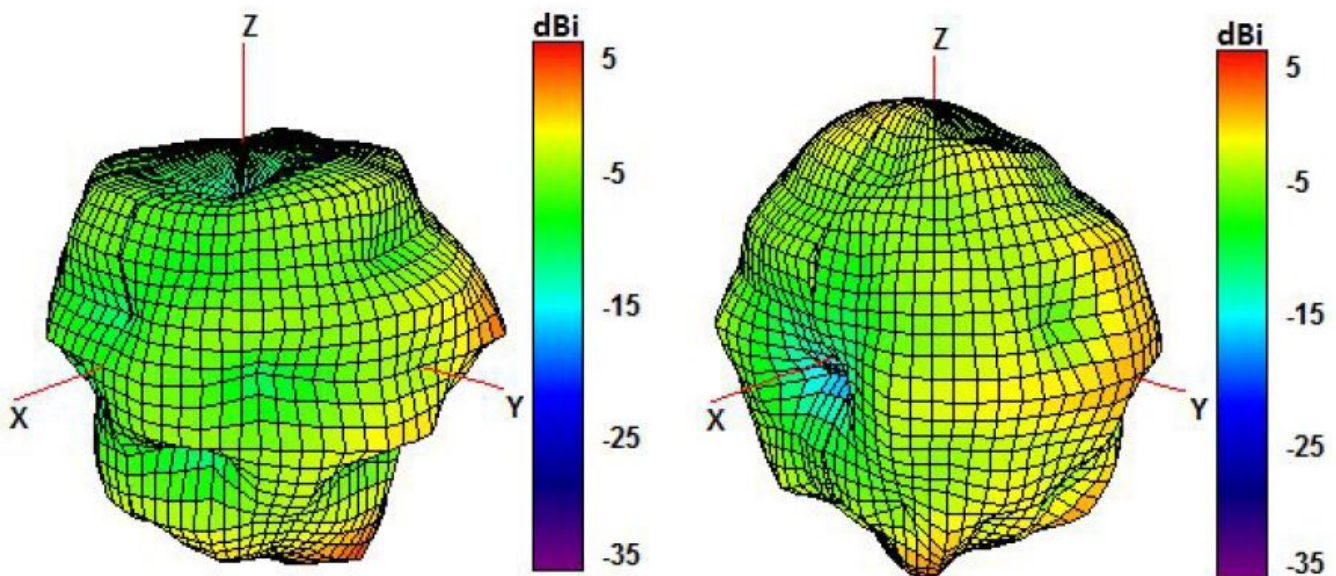




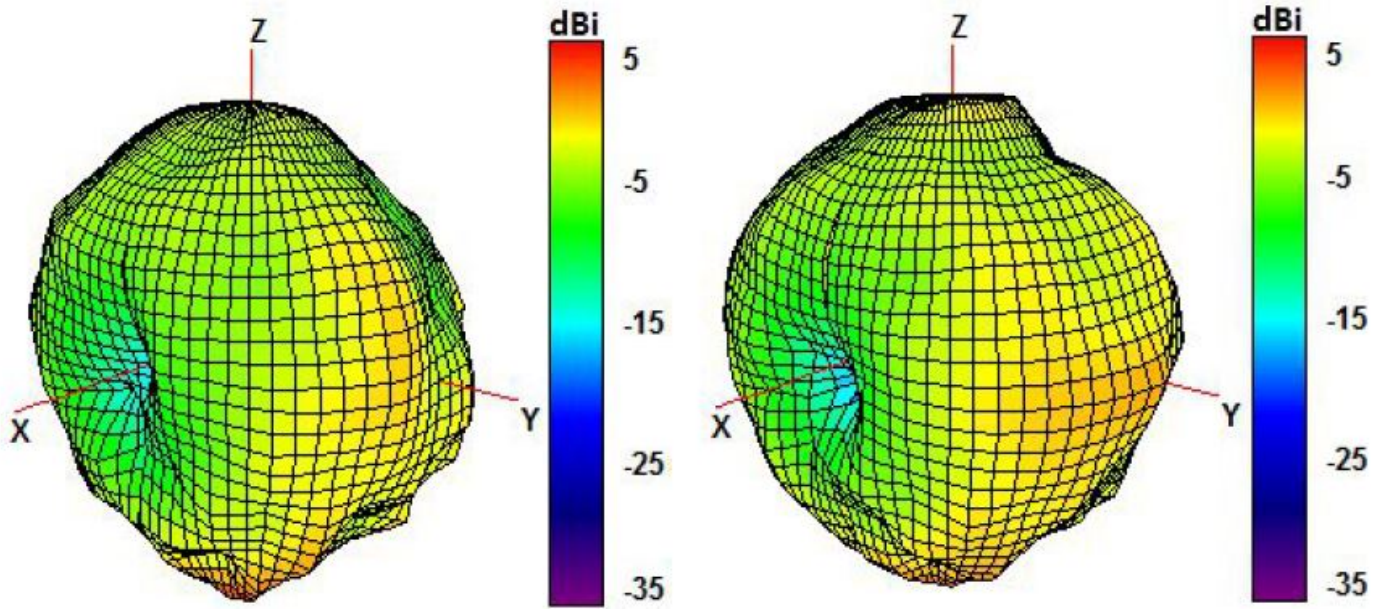
Radiation pattern reference



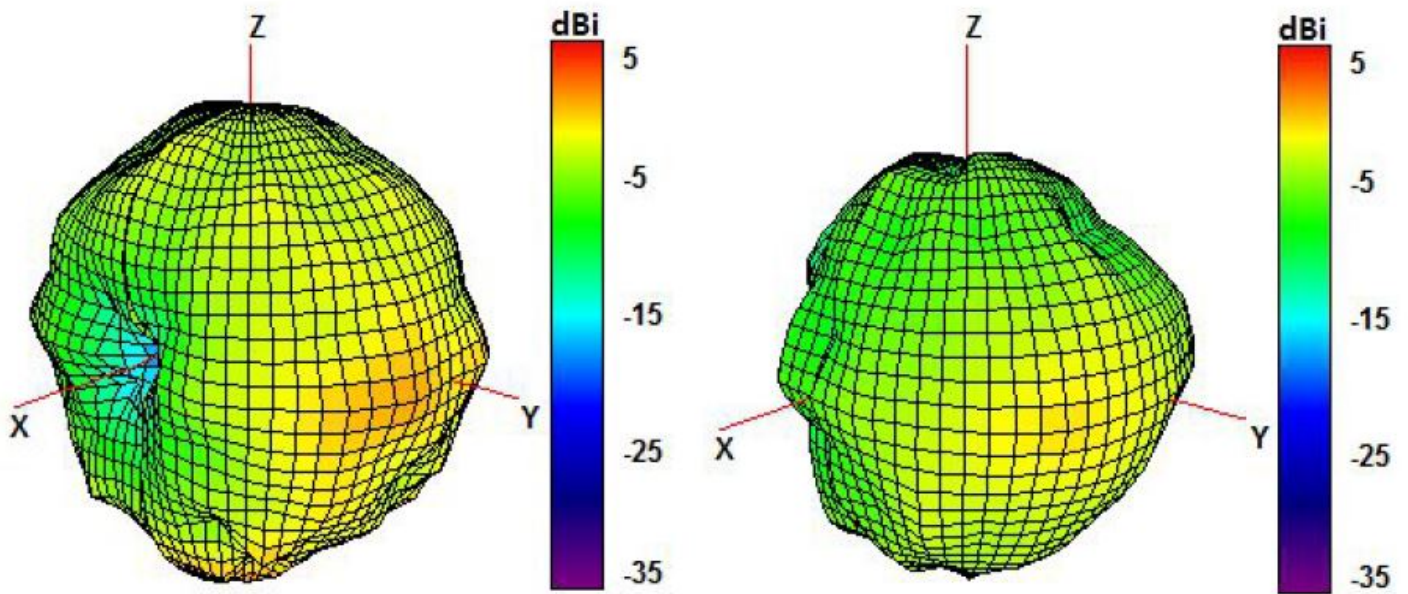
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern



1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

