

2JW0124z-C955N

(Alpha Micro Part No. AMC2JW0124z-C955N)

Cellular/LTE connector mount antenna – N Type male

Features

- Cellular/LTE:
 - 698 – 960MHz
 - 1710 – 2170MHz
 - 2500 – 2700MHz
- Connector mount
- N Type male connector
- Ultra wide band antenna
- High performance
- Ground plane independent
- Hinged connector
- Dimensions: 205 x 38 19mm



This antenna is suitable for 4G LTE routers, terminals and other telematic applications. The antenna is omni-directional, with high efficiency, and covers worldwide networks.

The variable positions of the swivel connector allow different orientation of antennas on devices with MIMO systems.



1. Antenna and Electrical Specifications

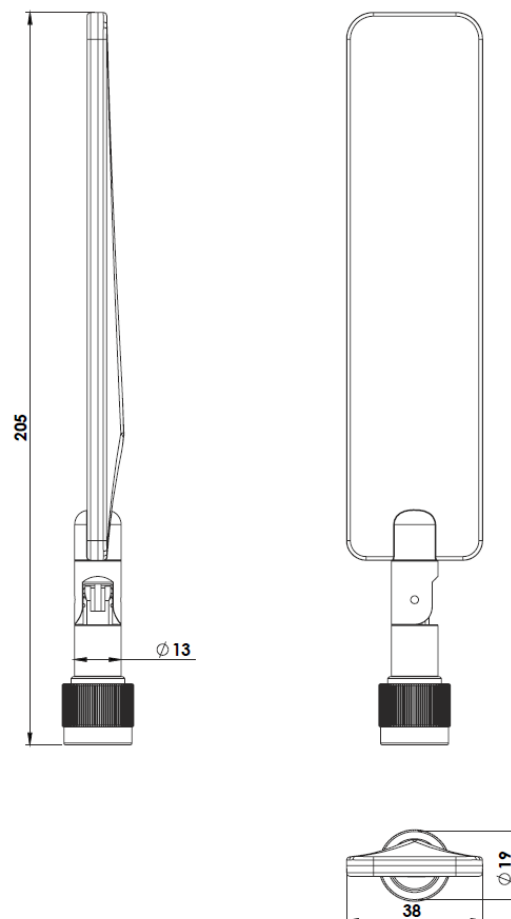
Parameters	Cellular/LTE antenna		
Standards	2G/3G/4G		
Technologies	GSM, CDMA, DCS, PCS, GPRS, WCDMA, UMTS, HSPA, EVDO, LTE		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698 - 960	1710 - 2170	2500 - 2700
Return loss (dB)	~-7.7	~-12.7	~-8.5
VSWR	~2.4:1	~1.6:1	~2.2:1
Efficiency (%)	~62	~75	~50
Peak gain (dBi)	~0.4	~2.6	~1.3
Average gain (dB)	~-2.1	~-1.3	~-3.0
Impedance (Ohms)	50		
Polarization	Linear		
Radiation pattern	Omni-Directional		
Max. input power (W)	25		
Connector type	N Type male		

Measurement Conditions:

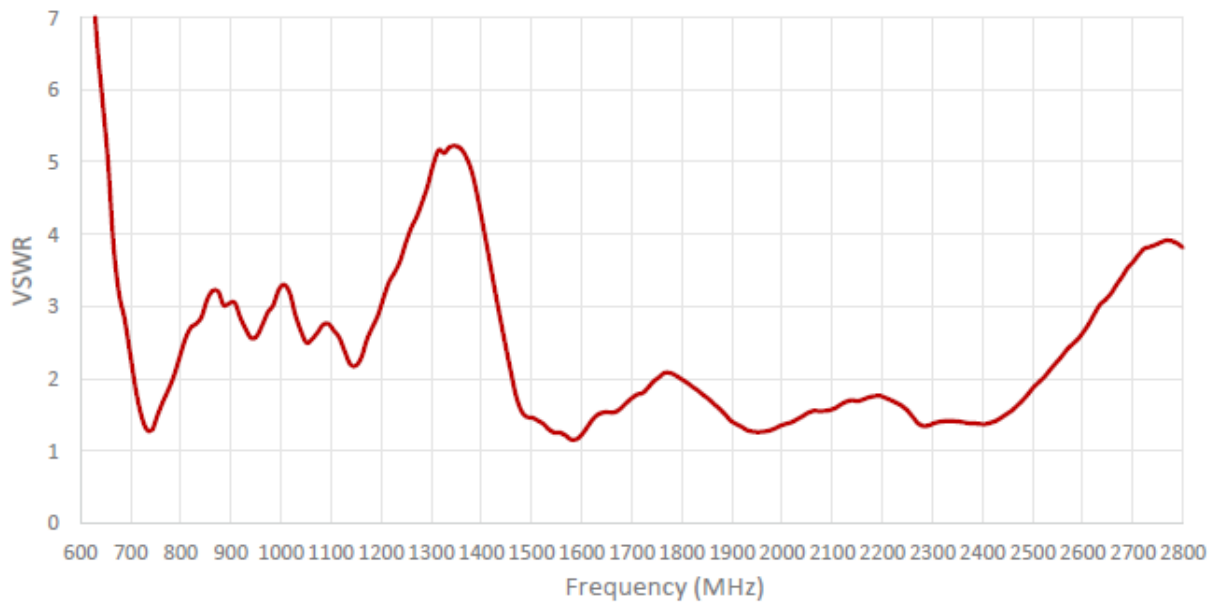
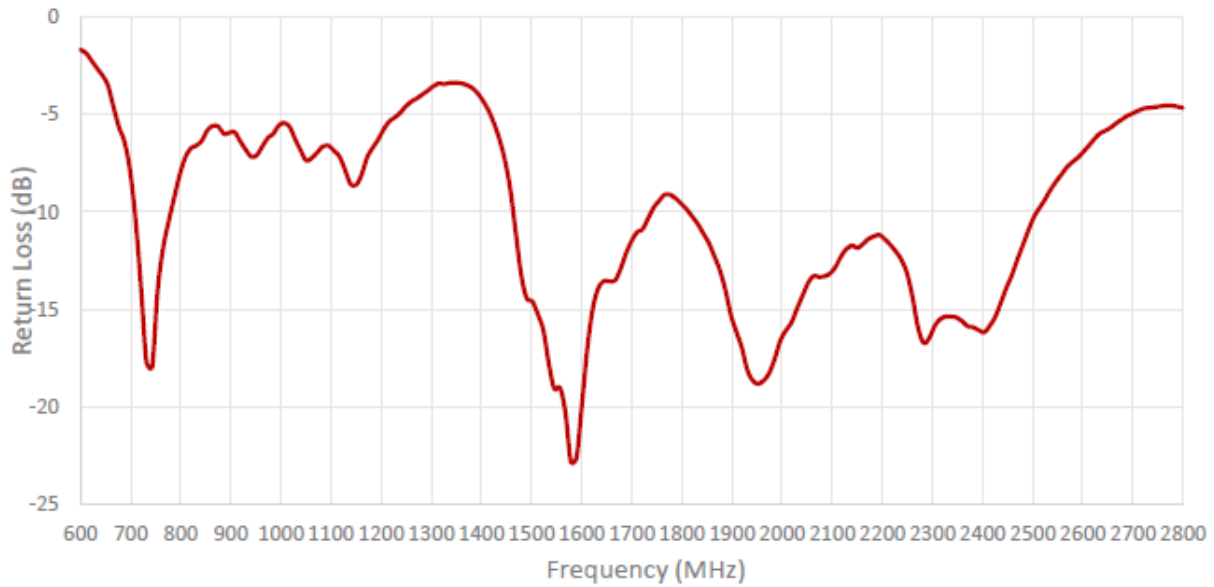
- Free space
- Measured in certified CTIA 3D Anechoic chamber

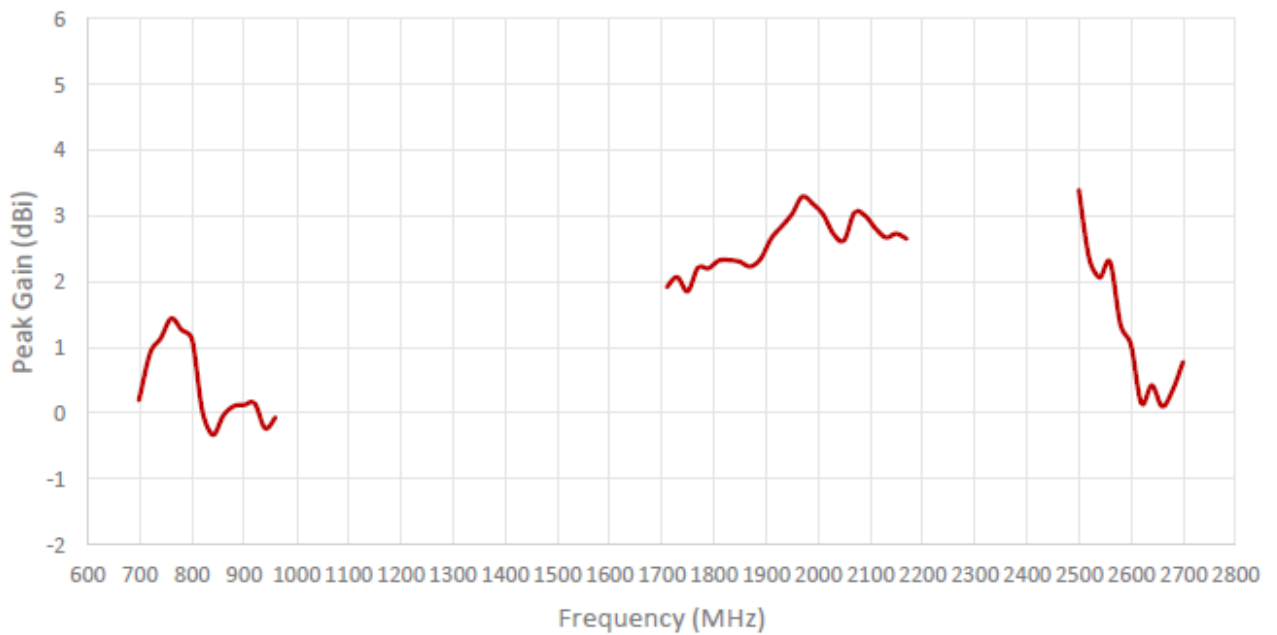
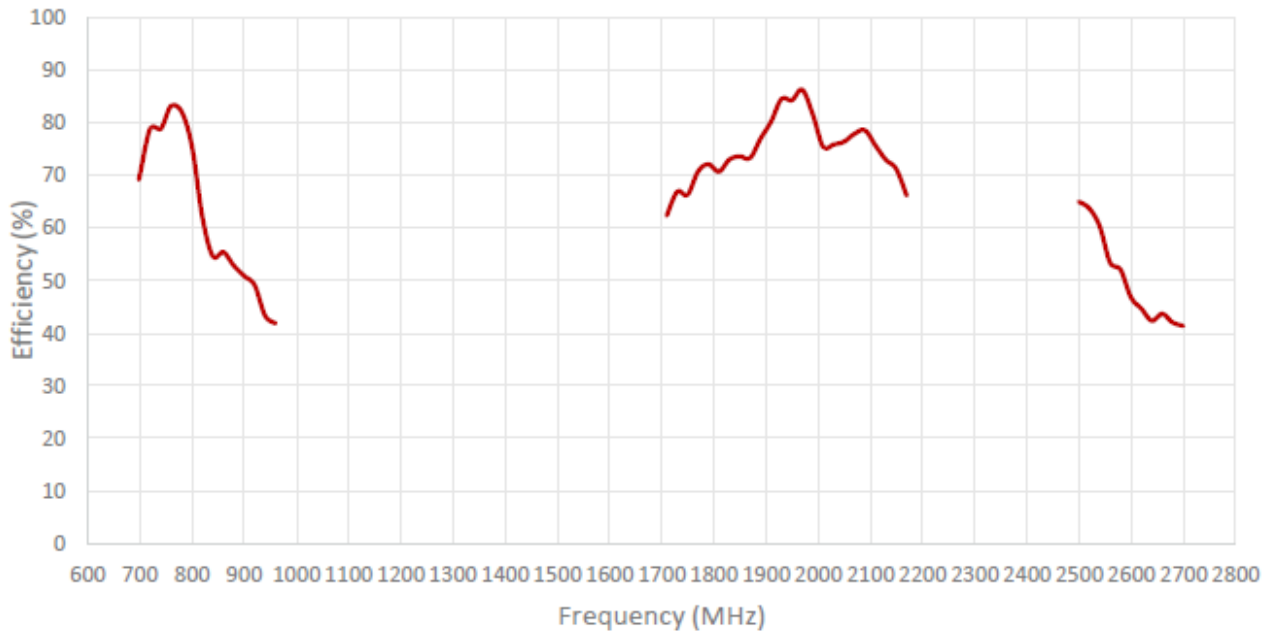
2. Mechanical and Environmental Specifications

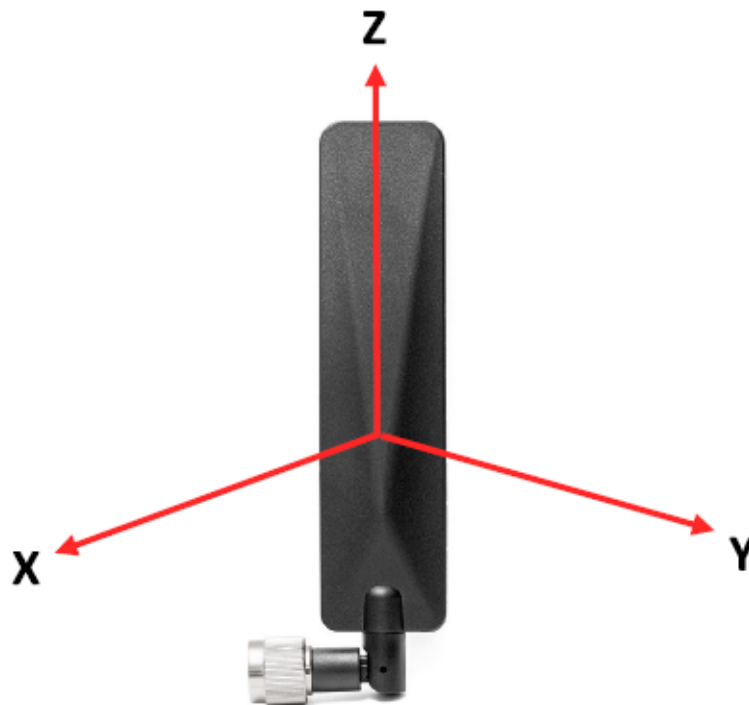
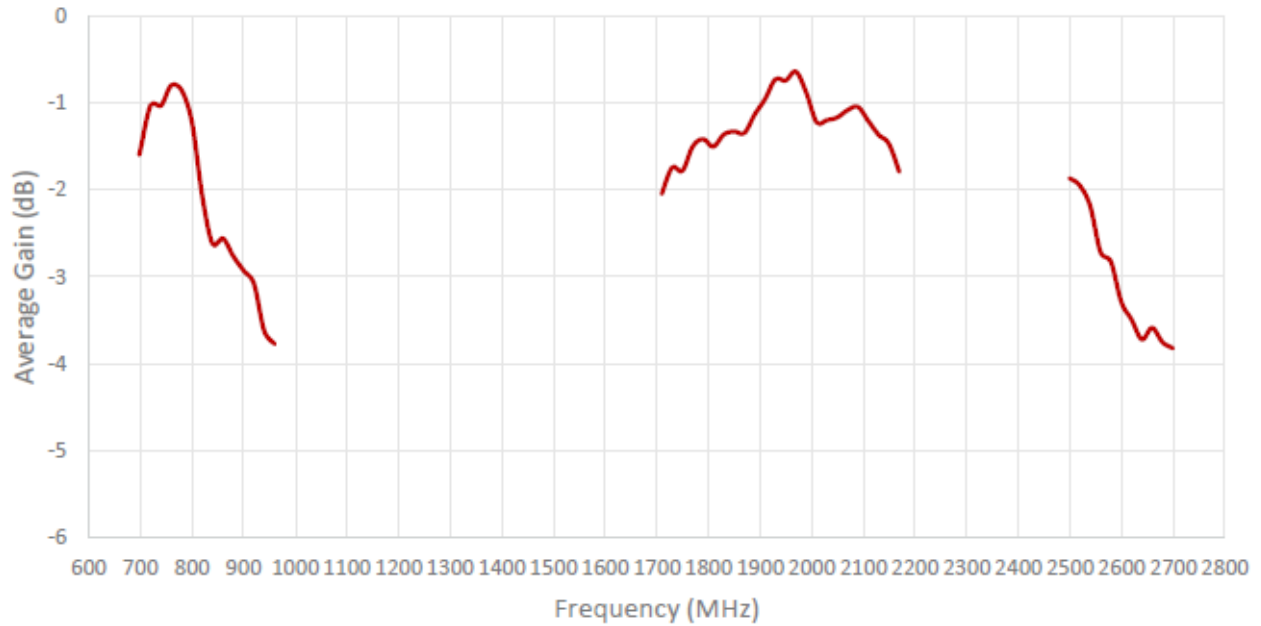
Mounting type	Connector mount
Dimensions (mm)	205 x 38 x 19
Radome type	PC/ABS UV stable
Radome color	Black or white
Connector feature	Hinged
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Substance compliance	RoHS, REACH



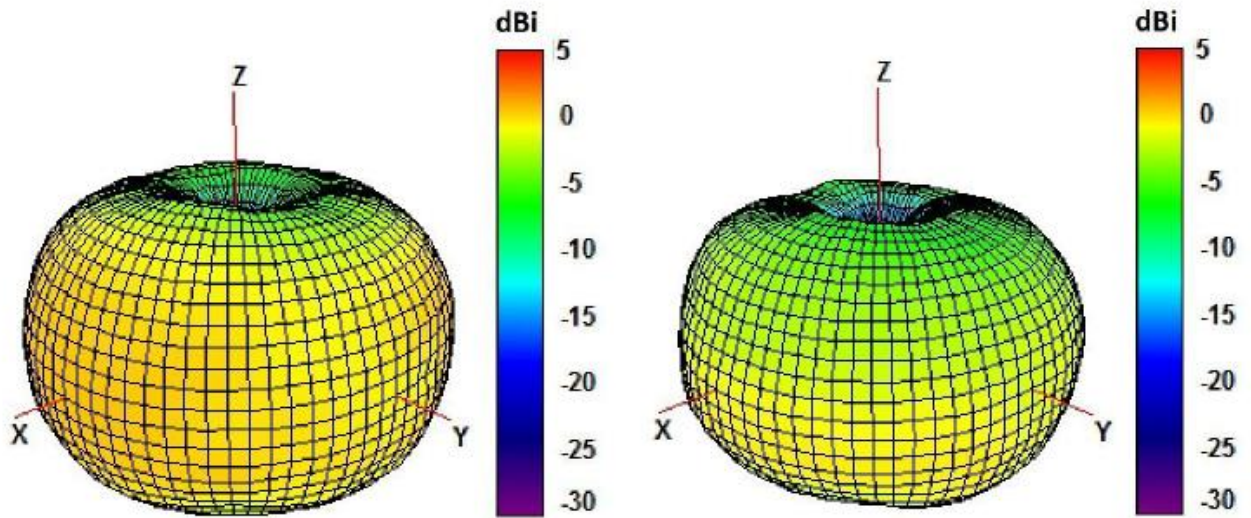
3. Antenna Parameters



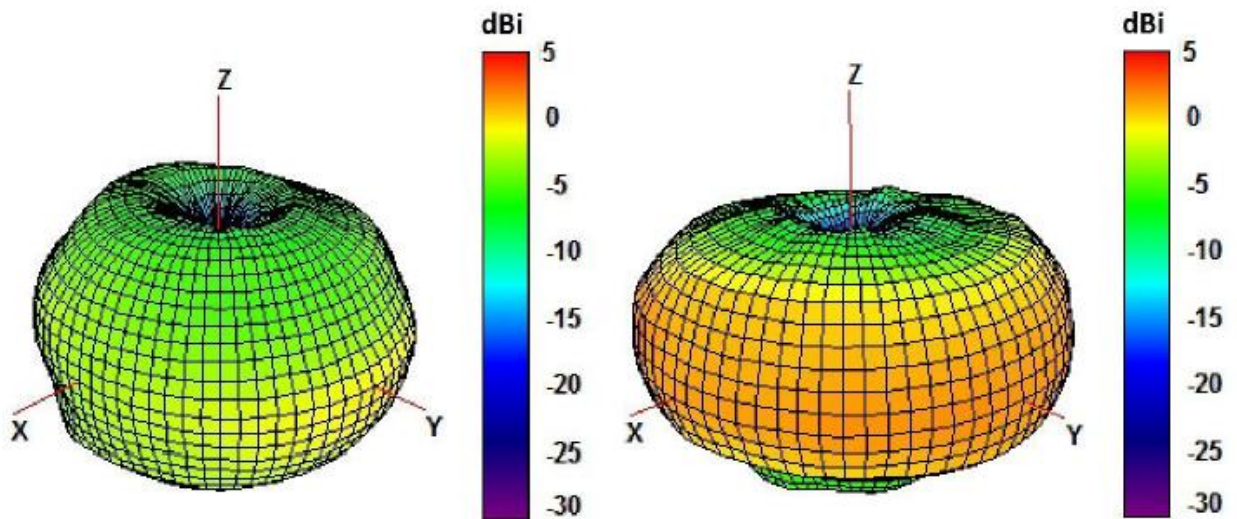




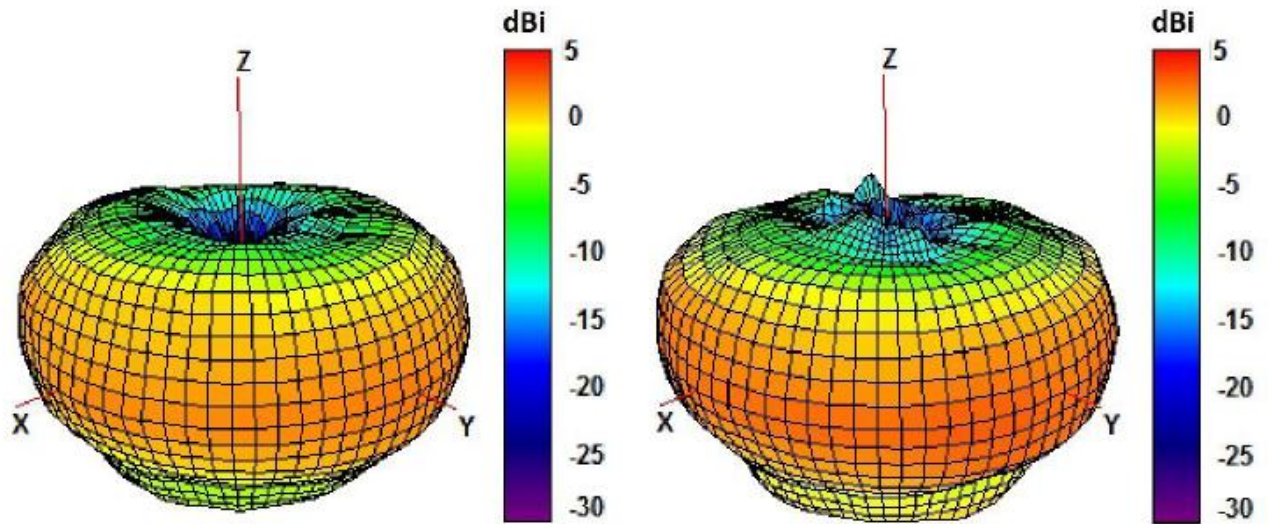
Radiation pattern reference



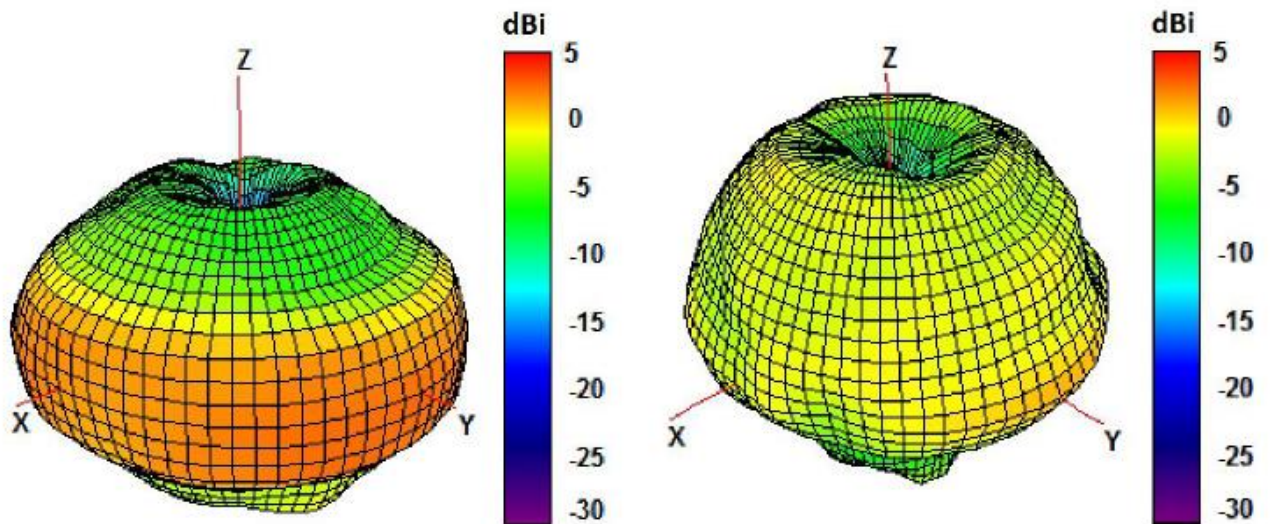
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern



1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern