

2J6924Ma-300LL100-C43NBST_300D302-C906N_CU017570

LTE MIMO Magnetic Mount



FEATURES

- Magnetic Mount
- Ground Plane Independent
- Cable 1 and 2: Cellular/LTE (698-960, 1710-2170, 2500-2700 MHz)
- IP67, IP69
- 80 x 74 x 25.6 mm
- Customized Cable and Connector

ANTENNA AND ELECTRICAL SPECIFICATIONS

Cable 1	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)	~-11.1	~-12.8	~-20.9
VSWR	~1.9:1	~1.8:1	~1.2:1
Efficiency (%)	~37.3	~42.5	~51.2
Peak Gain (dBi)	~1.5	~3.7	~3.5
Average Gain (dB)	~-4.4	~-3.7	~-2.9
Impedance (Ohm)	50		
Polarization	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	D302 Standard (Other Cables Available)		

Cable 2	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)	~-14.2	~-15.6	~-23.5
VSWR	~1.6:1	~1.5:1	~1.2:1
Efficiency (%)	~44.2	~42.0	~52.4
Peak Gain (dBi)	~1.5	~3.0	~3.8
Average Gain (dB)	~-3.7	~-3.8	~-2.8
Impedance (Ohm)	50		
Polarization	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	D302 Standard (Other Cables Available)		

Antenna Measurement Conditions

Mounted on Node Device from Somewear®

300 cm of Cable D302

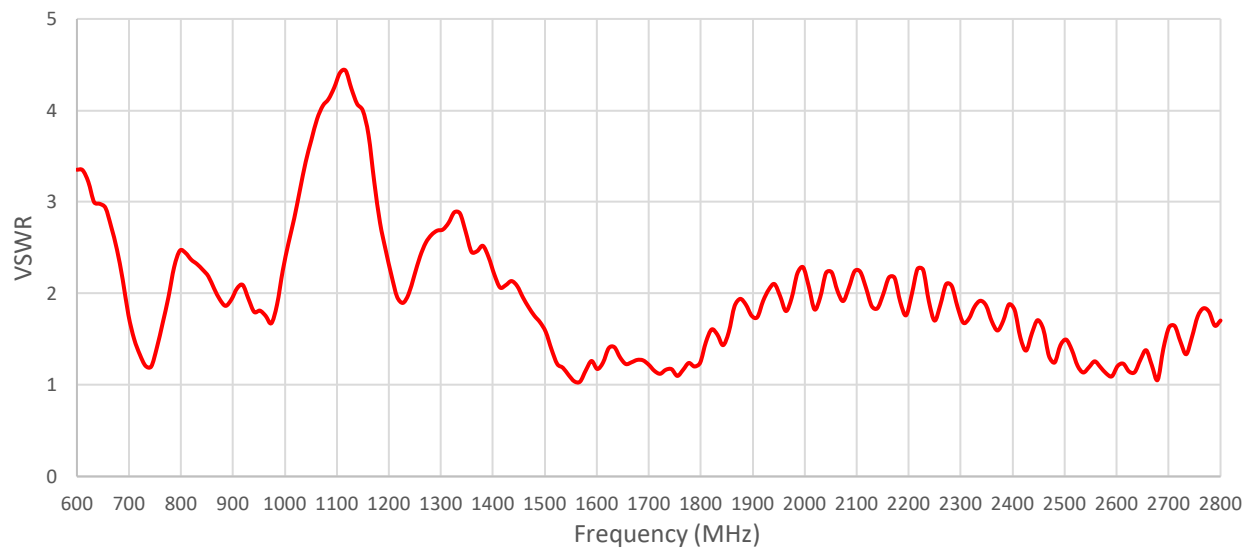
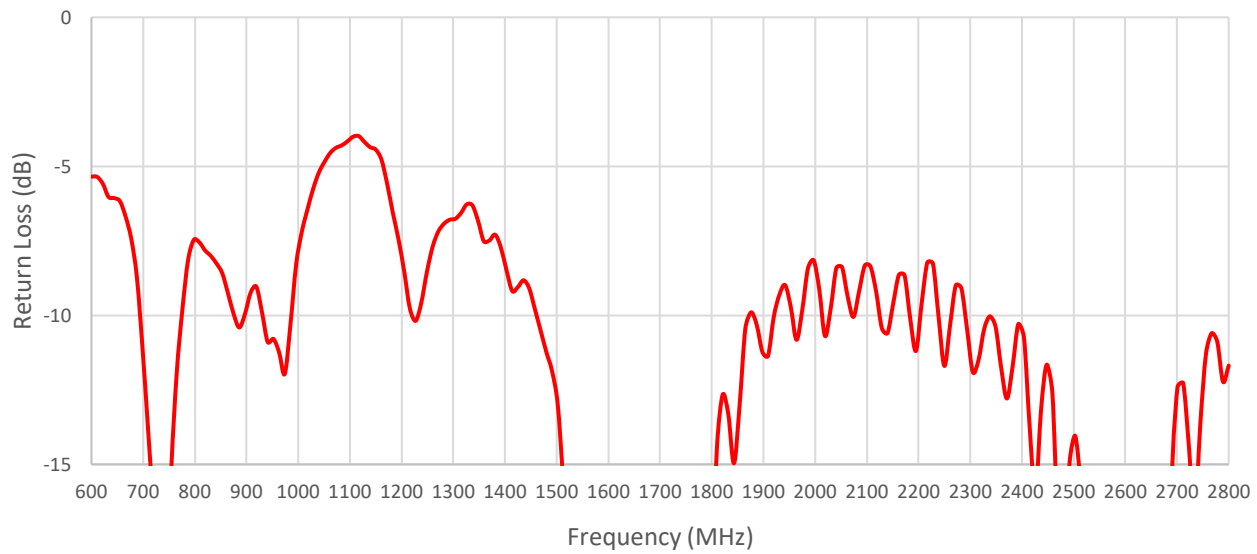
Measured in Certified CTIA 3D Anechoic Chamber

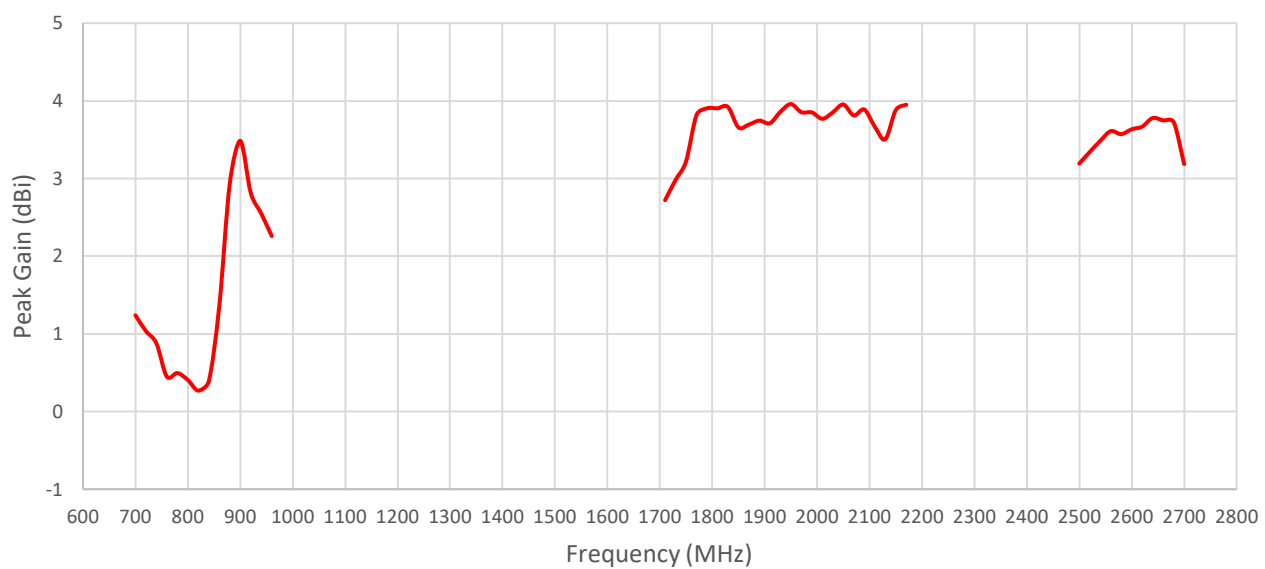
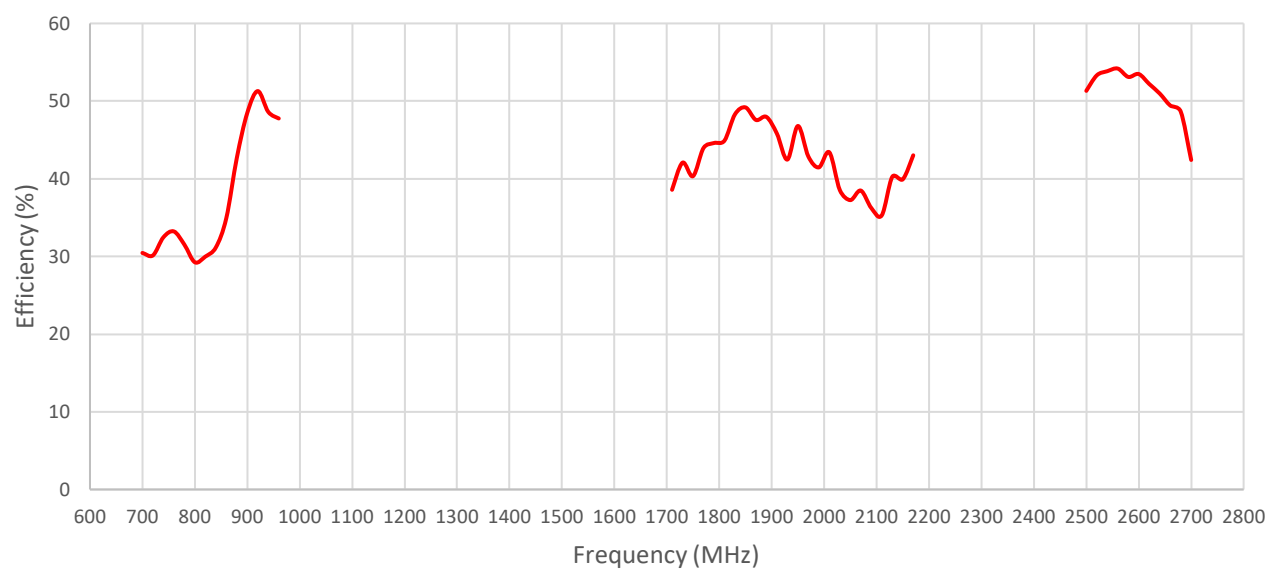
MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

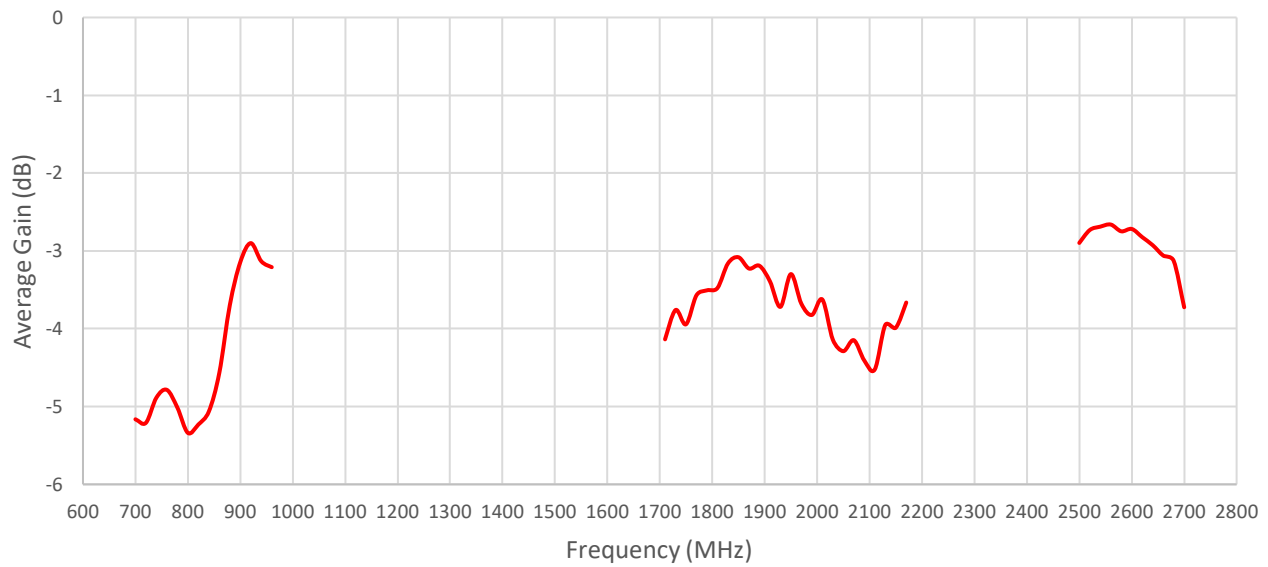
Specification	2J6924Ma-300LL100-C43NBST_300D302-C906N_CU017570
Mounting Type	Magnetic Mount
Dimensions (mm)	80 x 74 x 25.6
Radome Type	ASA UV Stable
Radome Color	Black, White
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Ingress Protection	IP67, IP69
Substance Compliance	RoHS

ANTENNA PARAMETERS

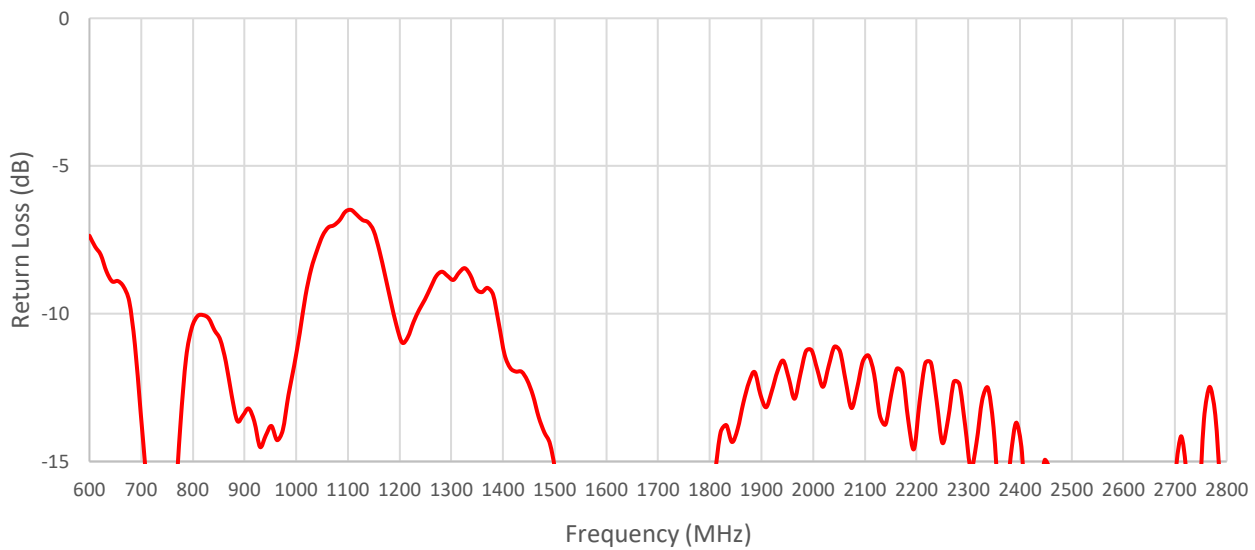
CABLE 1: Cellular/LTE

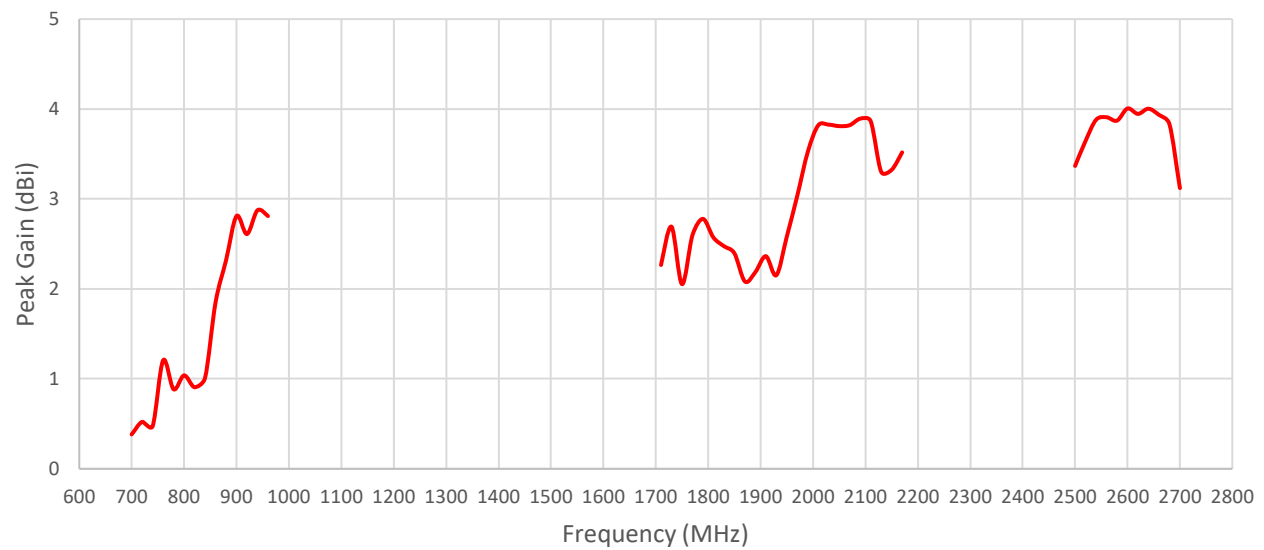
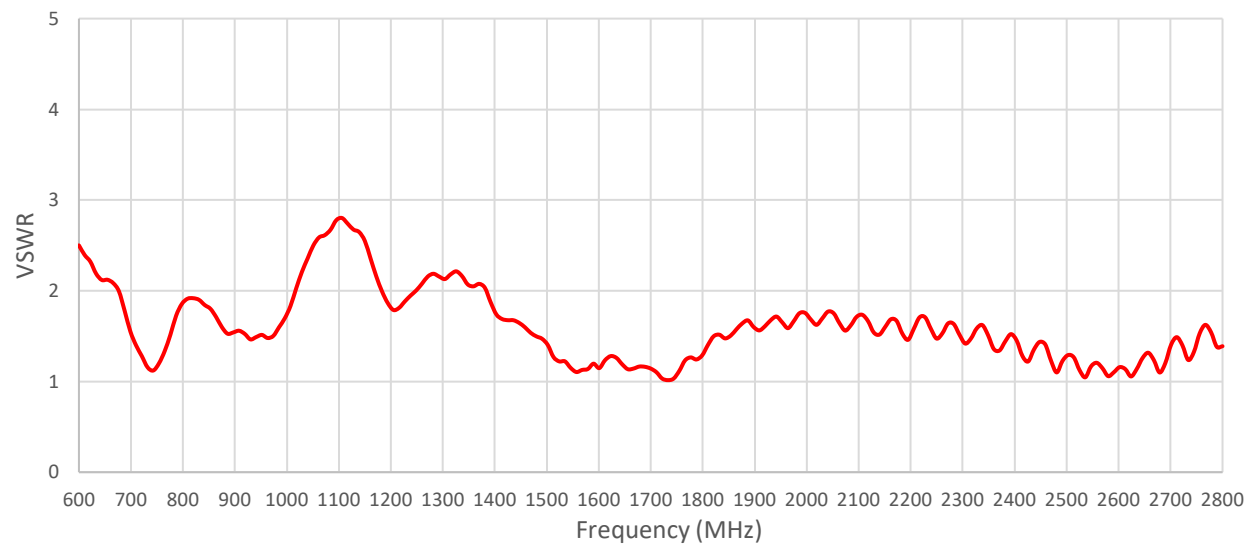


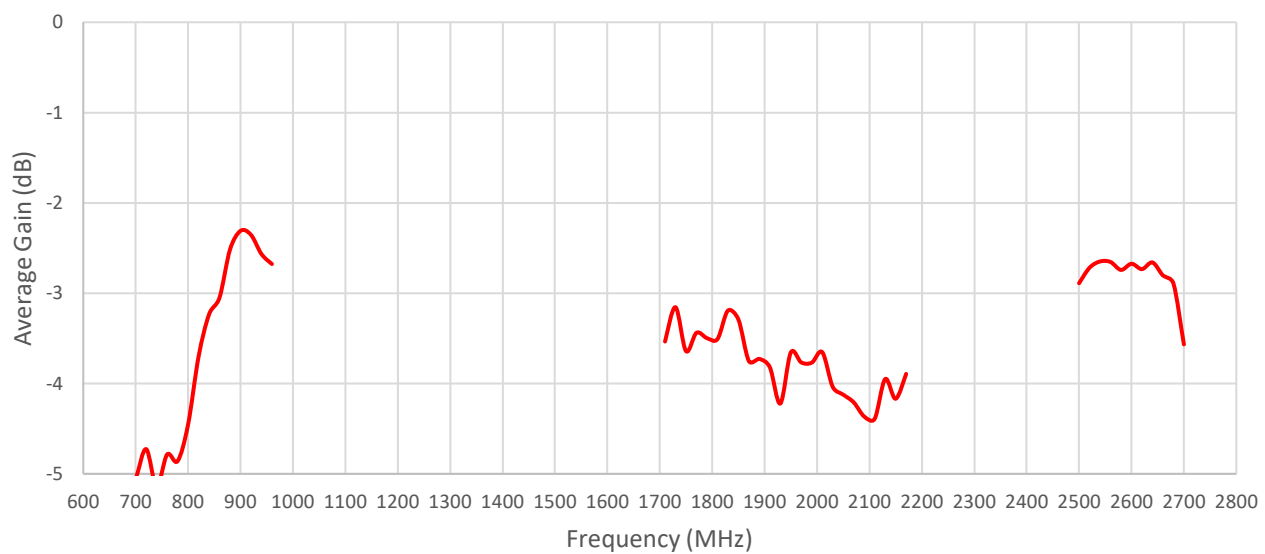
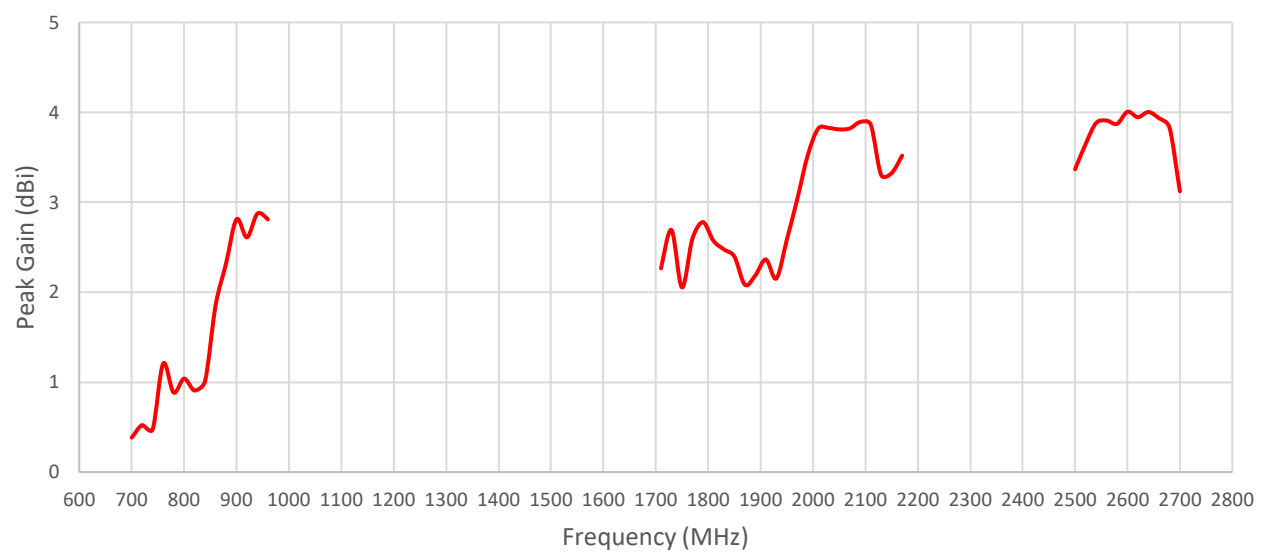




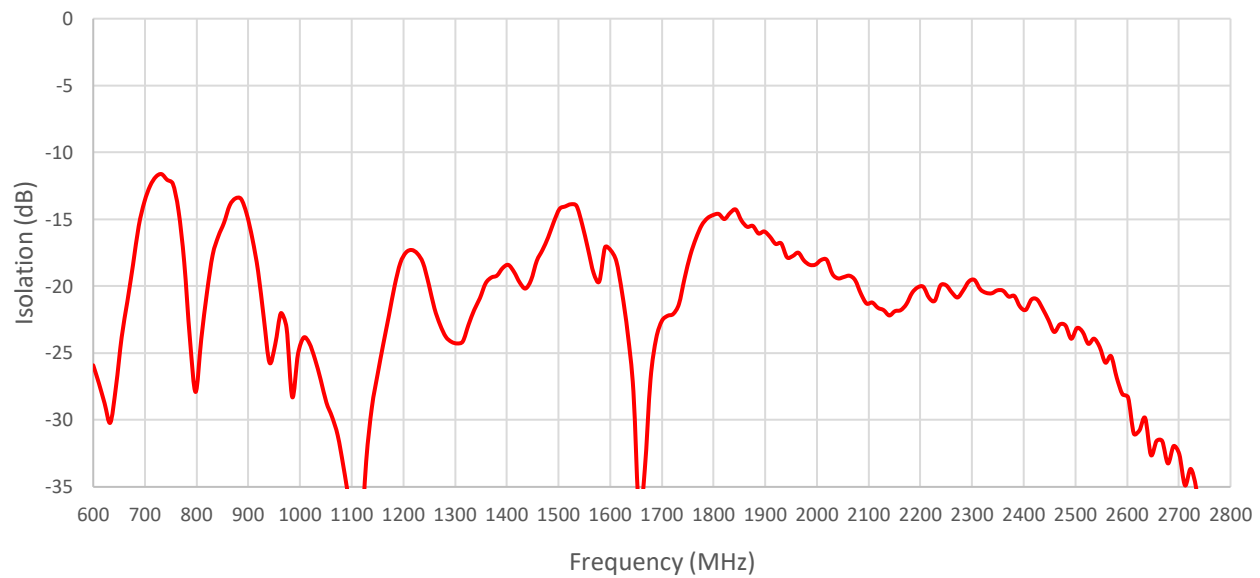
CABLE 2: Cellular/LTE



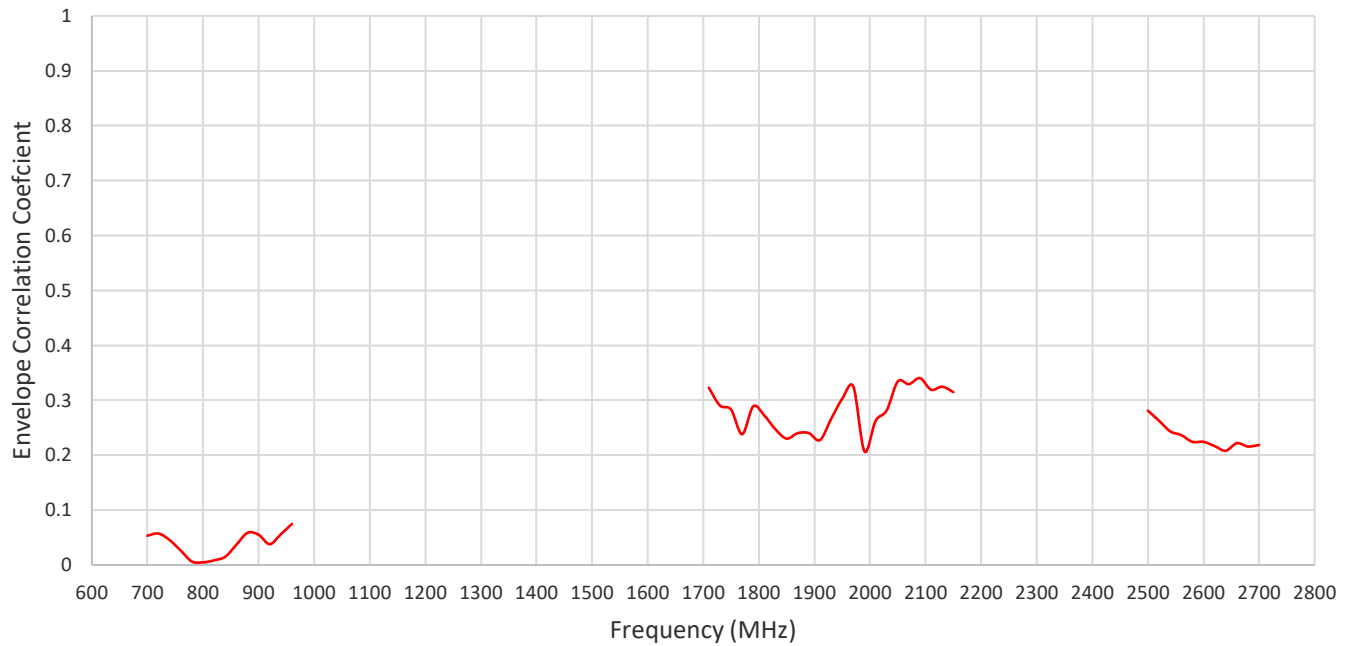




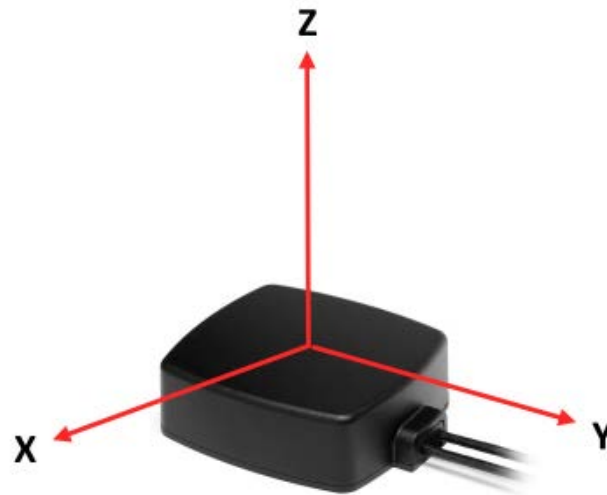
ISOLATION FOR CABLES 1 AND 2



ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2

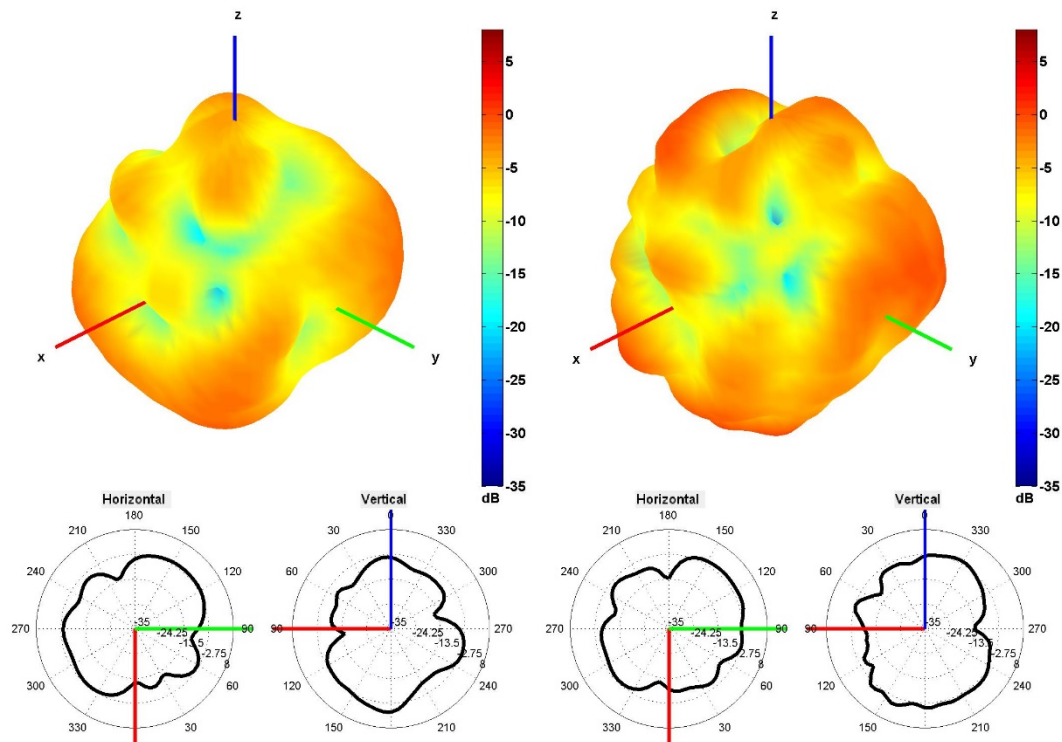


RADIATION PATTERNS

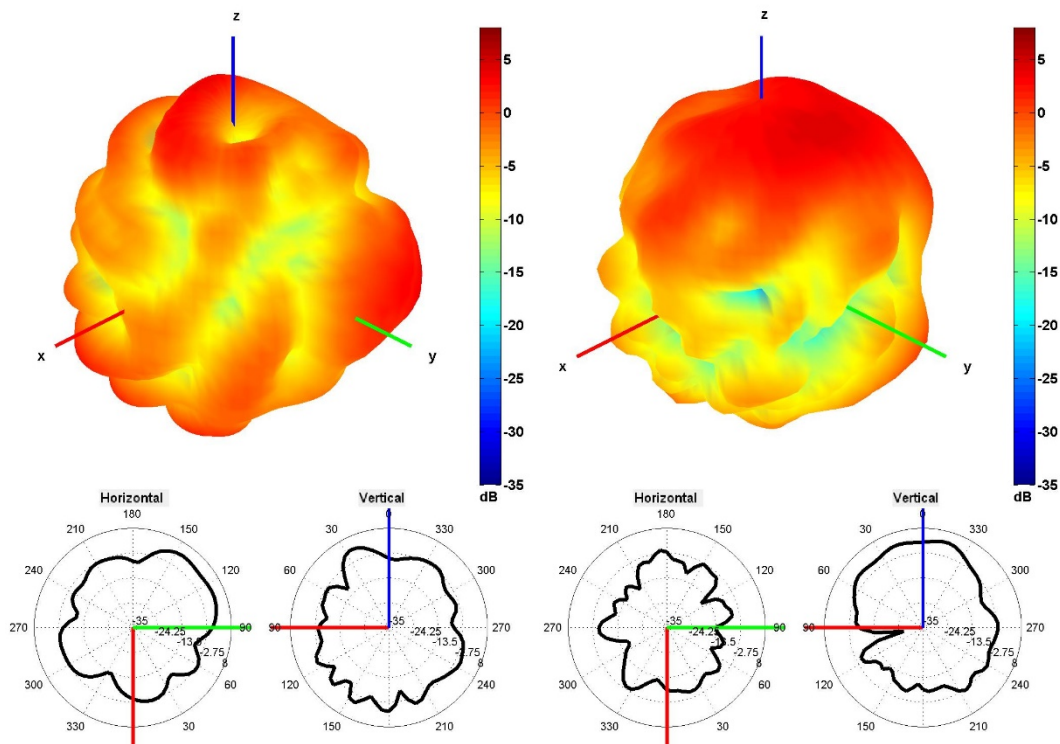


Radiation Pattern Reference

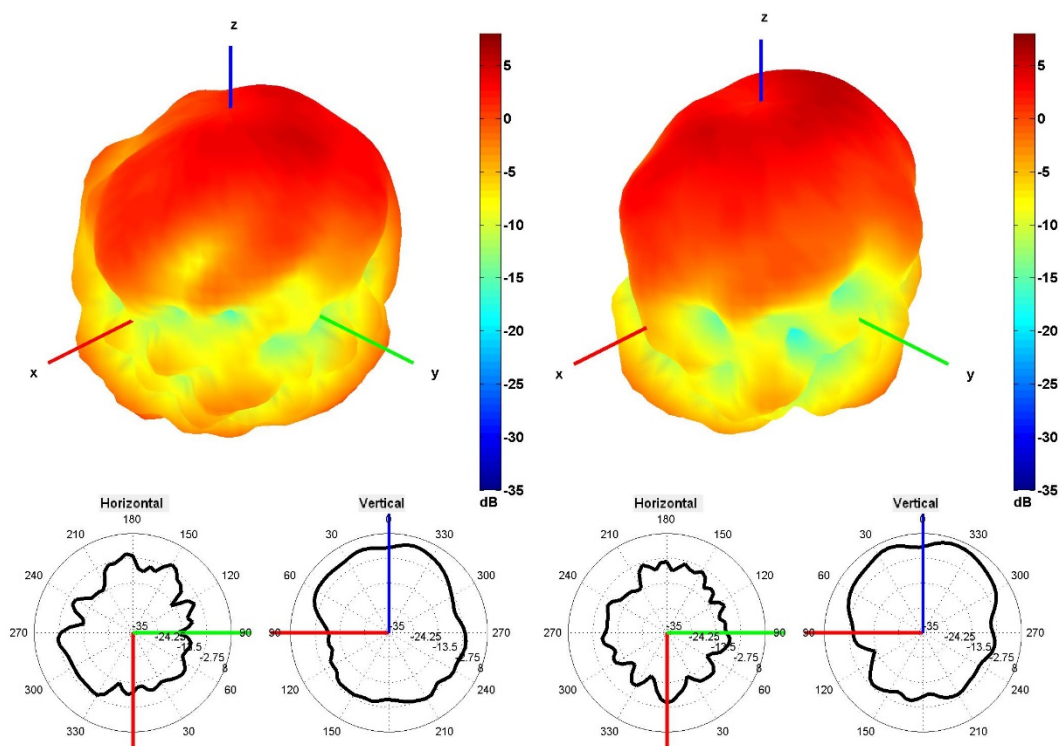
CABLE 1: Cellular/LTE



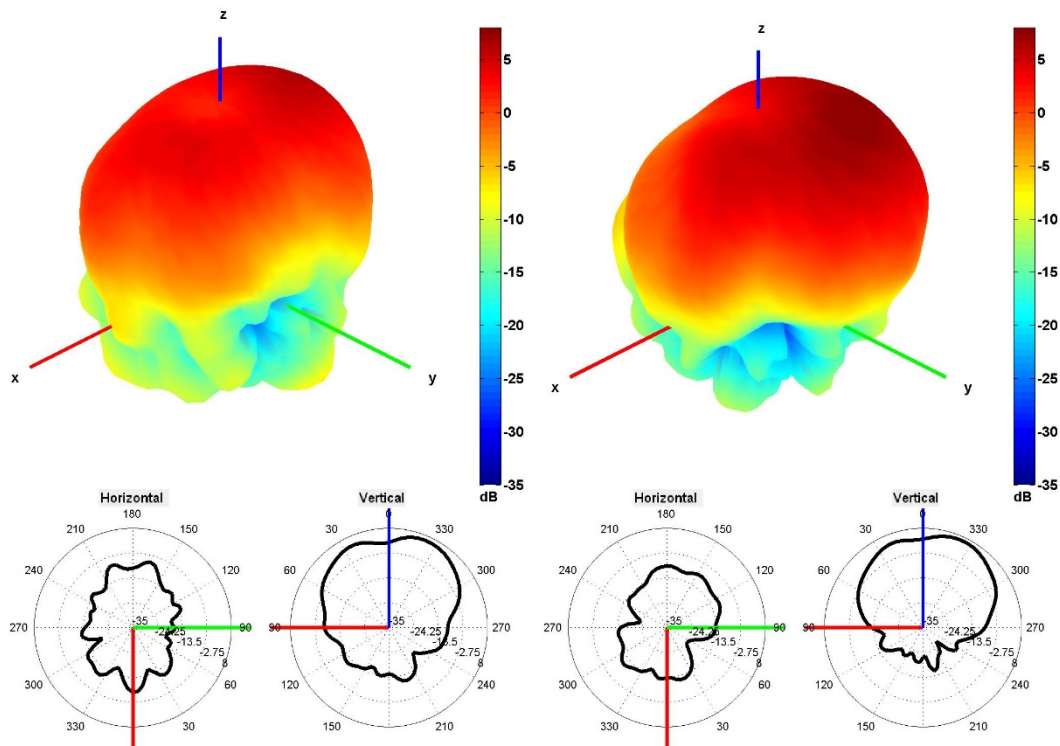
740 AND 840 MHz Radiation Patterns



940 AND 1750 MHz Radiation Patterns

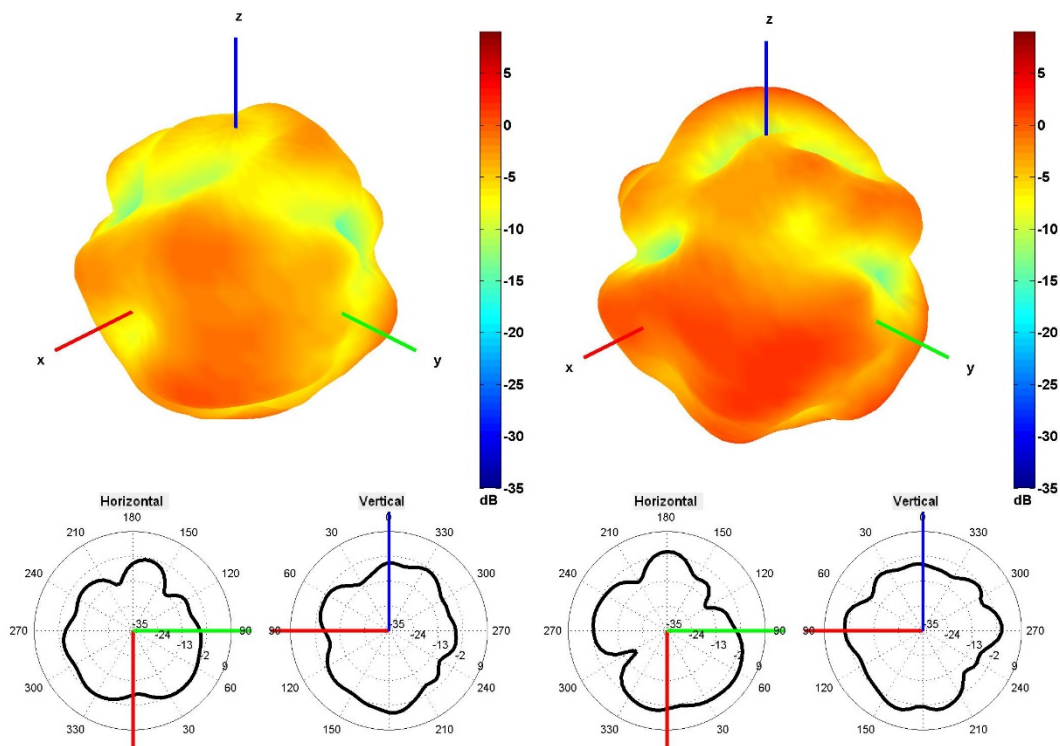


1850 AND 1950 MHz Radiation Patterns

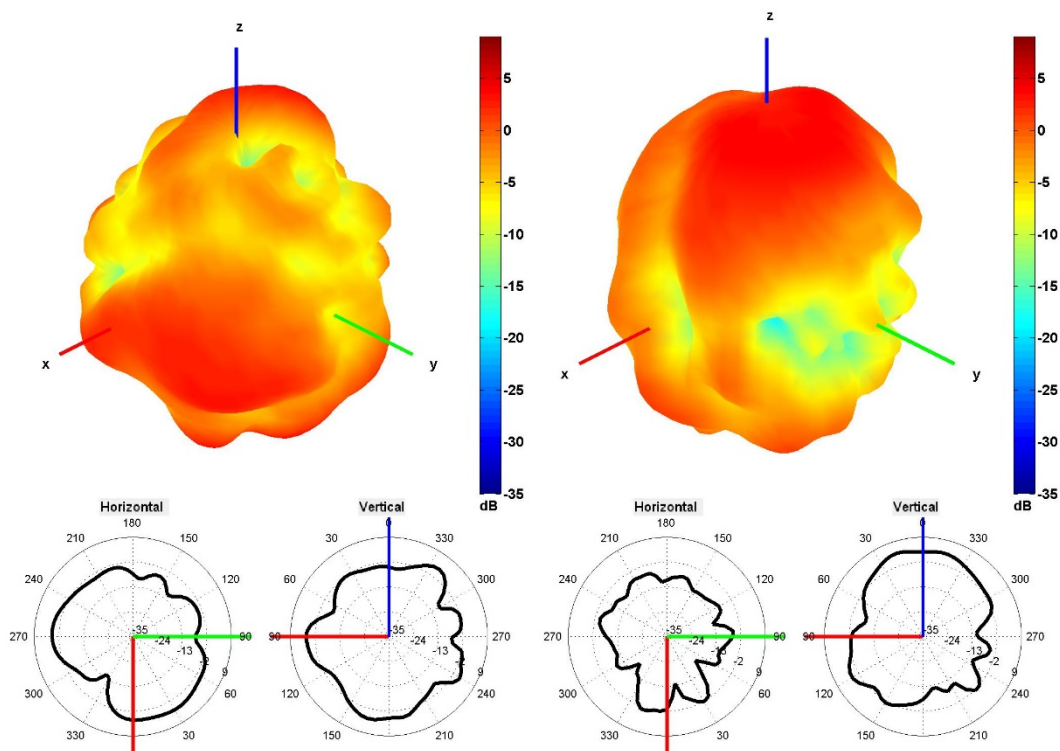


2100 AND 2600 MHz Radiation Patterns

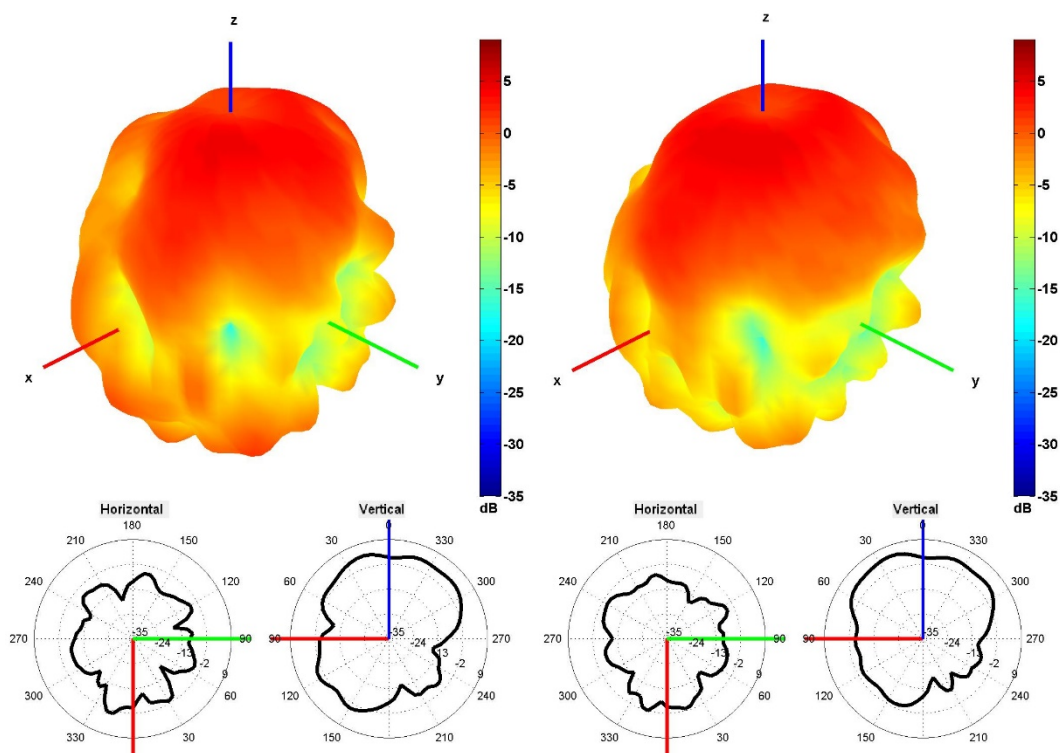
CABLE 2: Cellular/LTE



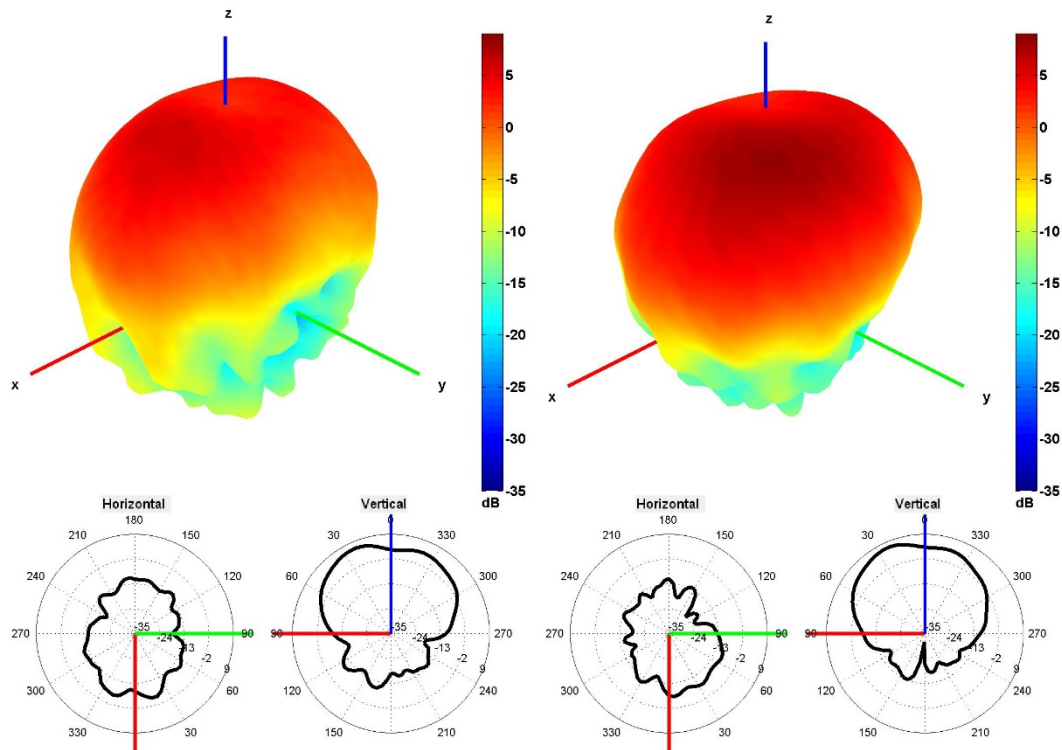
740 AND 840 MHz Radiation Patterns



940 AND 1750 MHz Radiation Patterns

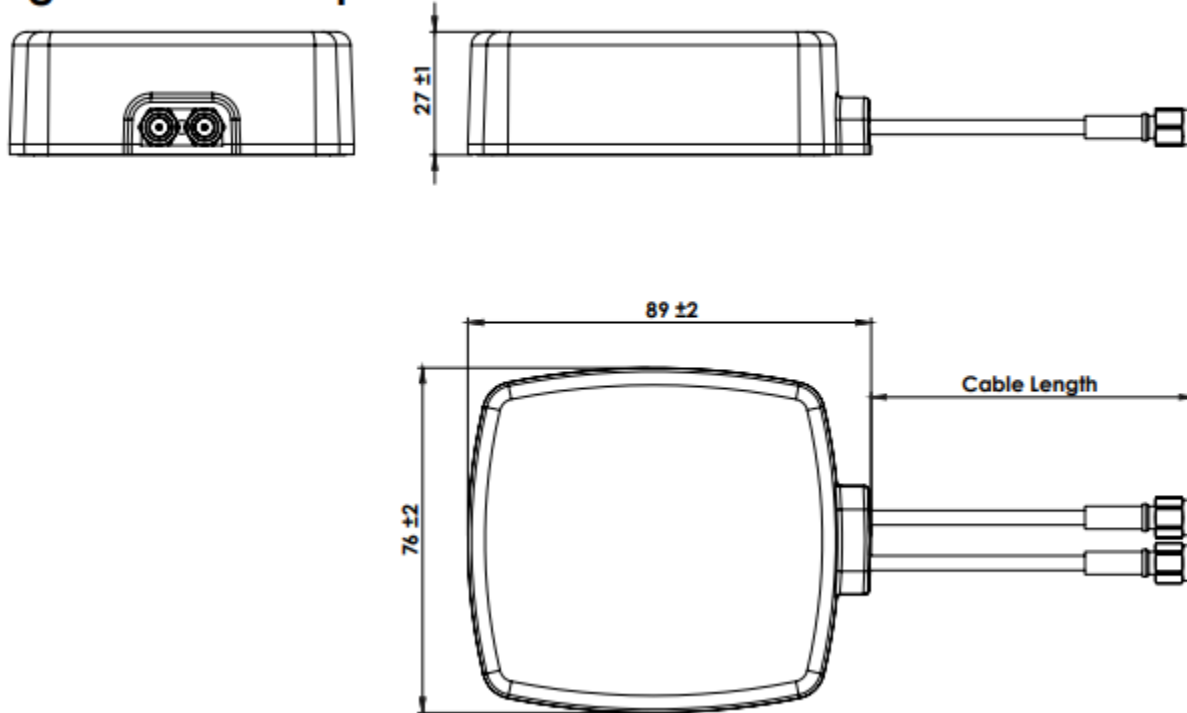


1850 AND 1950 MHz Radiation Patterns



2100 AND 2600 MHz Radiation Patterns

ANTENNA DRAWINGS

Magnetic Mount option

ANTENNA IMAGES

