

2J6605B

CELLULAR and 2.4/5.0GHz ISM Screw Mount

Key Features

Cable 1: CELLULAR

- 824-960 MHz
- 1710-2170 MHz

Cable 2: 2.4/5.0 Ghz ISM

- 2410-2490 MHz
- 4920-5925 MHz

Screw Mount

Anti-Rotation Mechanism

Ground Plane Dependent

Customizable Cable and Connector

Dimensions \varnothing 77.3 x 15 mm

Certificates: IP67, IP69



1. Antenna and electrical specifications

Cable 1

Parameters	CELLULAR Antenna	
Standards	2G/3G	
Band (MHz)	850/900	1700/1800/1900/2100
Frequency (MHz)	824-960	1710-2170
Return Loss (dB)	~-7.6	~-10.2
VSWR	~2.7:1	~1.9:1
Efficiency (%)	~19.0	~16.9
Peak Gain (dBi)	~-3.0	~-1.4
Average Gain (dB)	~-8.1	~-7.9
Impedance (Ohm)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	100	
Connector Type	SMA-Male (Other Connectors Available)	
Cable Length	300 cm (Any Cable Length Available)	
Cable Type	RG174 (Other Cables Available)	

Cable 2

Parameters	2.4/5.0 GHz ISM Antenna	
Standards	WiFi, BT, ZigBee, ISM	
Band (MHz)	2.4 GHz	5.0 GHz
Frequency (MHz)	2410-2490	4920-5925
Return Loss (dB)	~-15.3	~-17.5
VSWR	~1.4:1	~1.4:1
Efficiency (%)	~18.2	~10.0
Peak Gain (dBi)	~-1.6	~-2.0
Average Gain (dB)	~-7.5	~-10.2
Impedance (Ohm)	50	
Polarisation	Linear	
Radiation Pattern	Omni-Directional	
Max. Input Power (W)	25	
Connector Type	SMA-Male-RP Standard (Other Connectors Available)	
Cable Length	300 cm Standard (Any Cable Length Available)	
Cable Type	RG174 Standard (Other Cables Available)	

Antenna Measurement Conditions:

Mounted on 30 x 30 cm Ground Plane

200 cm of RG174

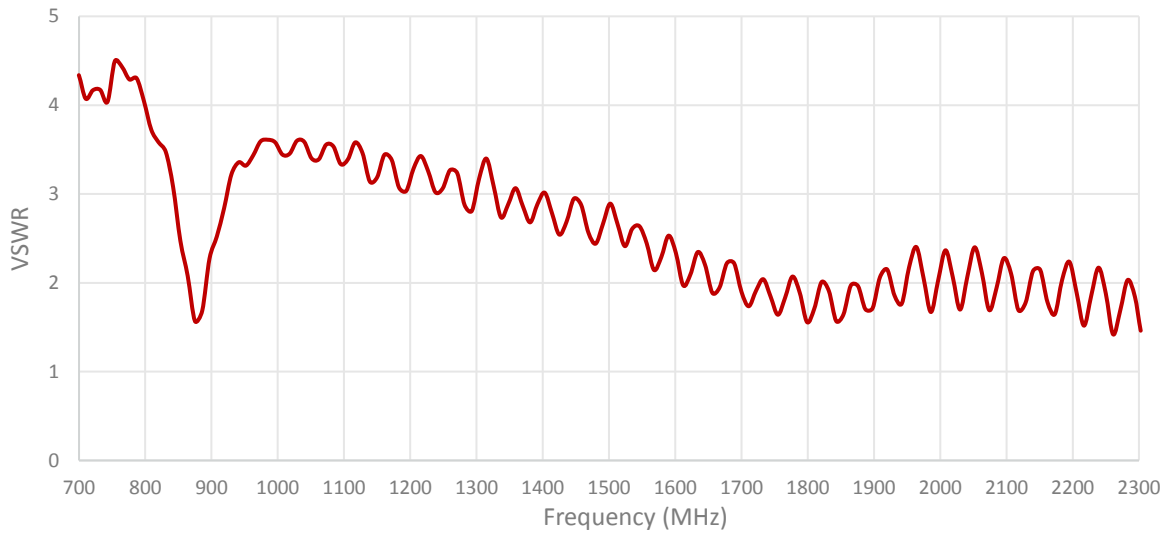
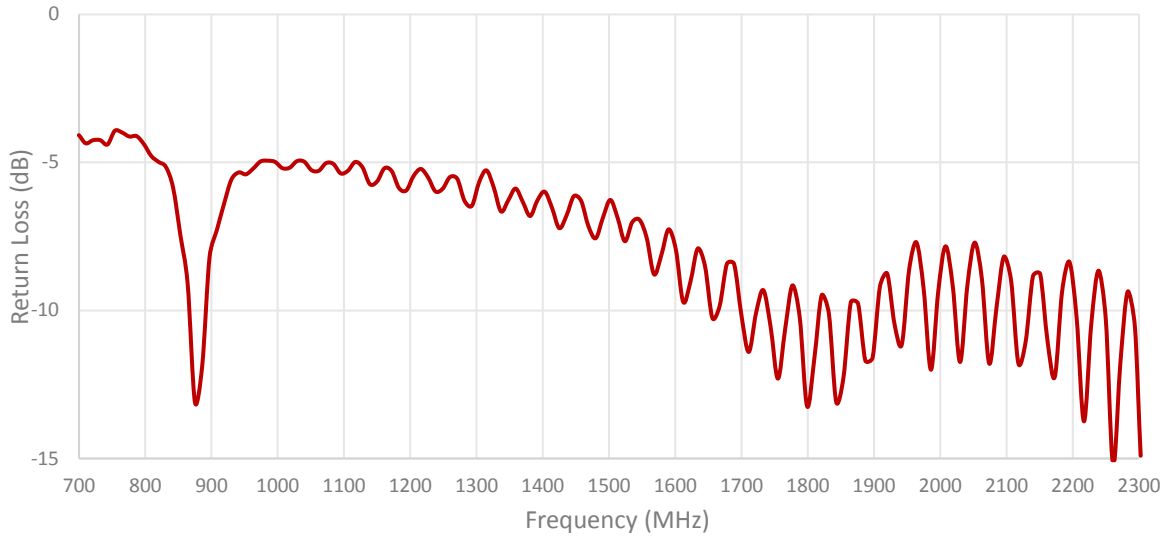
Measured in Certified CTIA 3D Anechoic Chamber

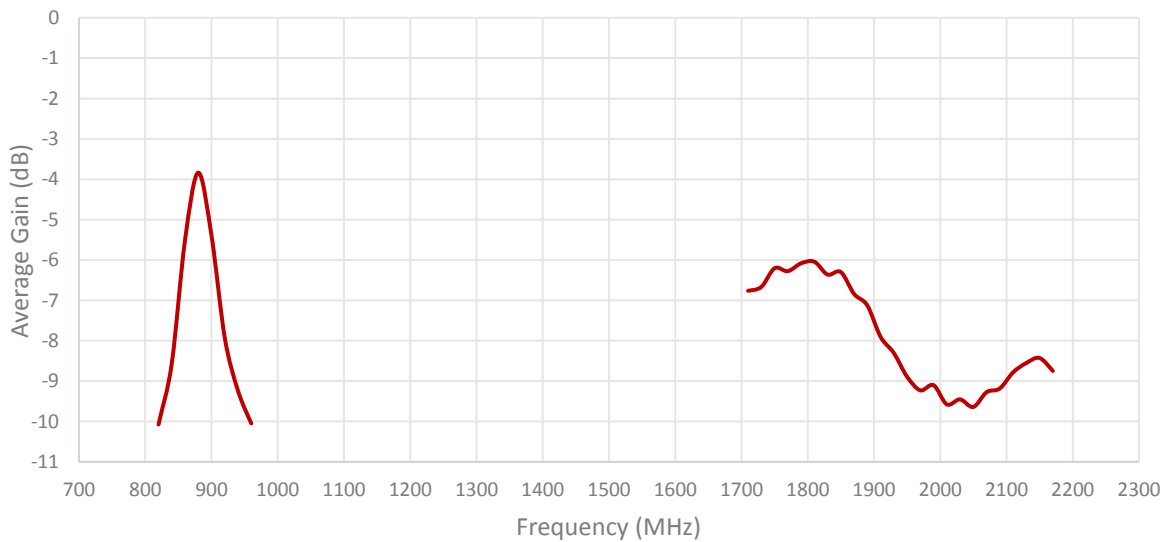
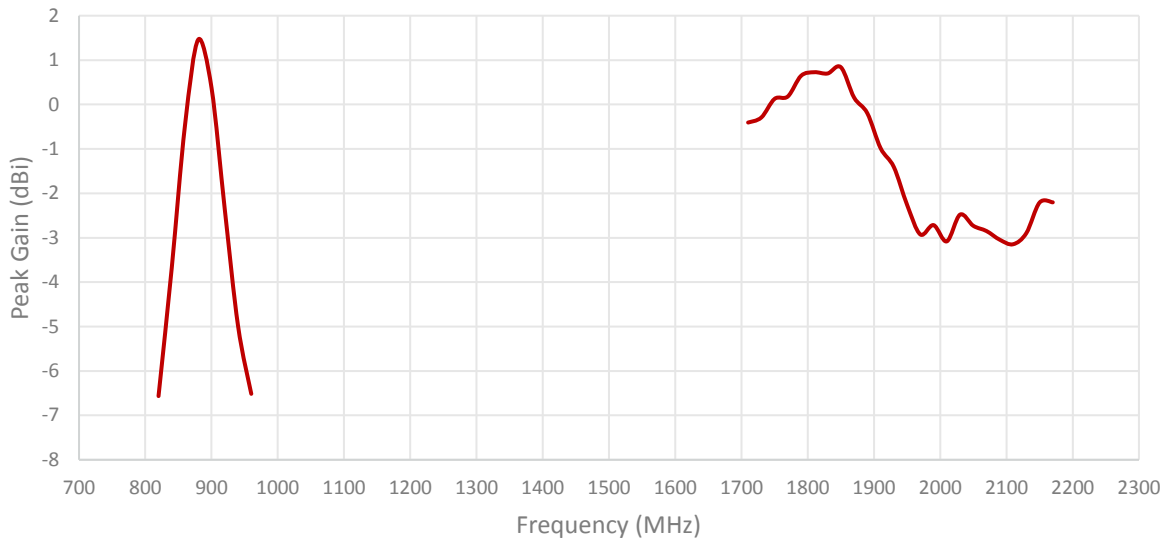
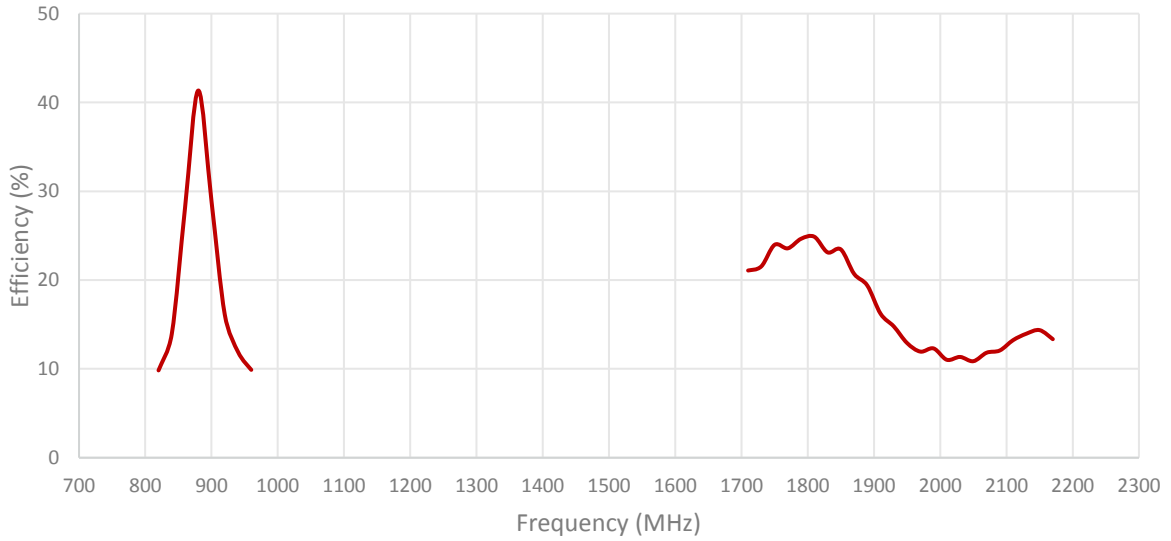
2. Mechanical and environmental specifications

Specifications	2J6605B
Mounting Type	Screw Mount
Dimensions (mm)	Ø 77.3 x 15
Max. Tighten Torque (Nm)	6 Nm
Radome	ASA
Radome color	Black
Antenna Base	Zamak
Gasket	TPE
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69

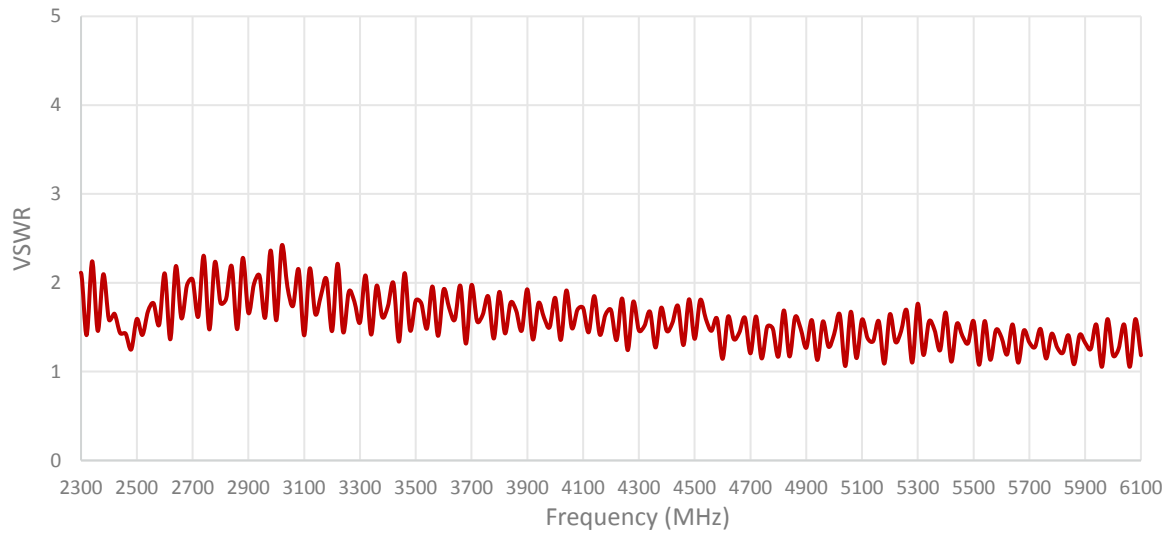
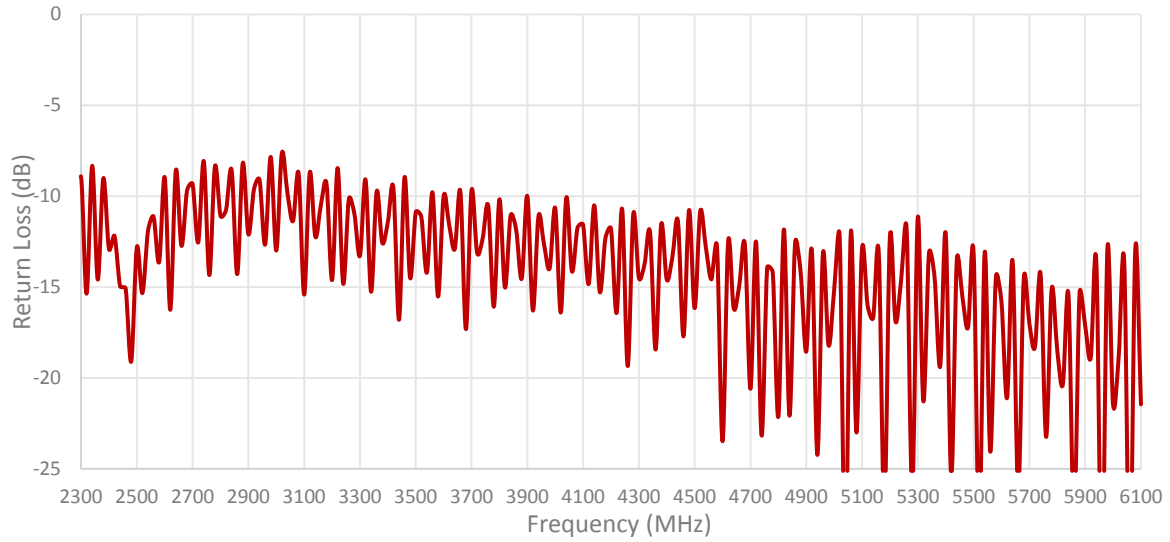
3. Antenna parameters

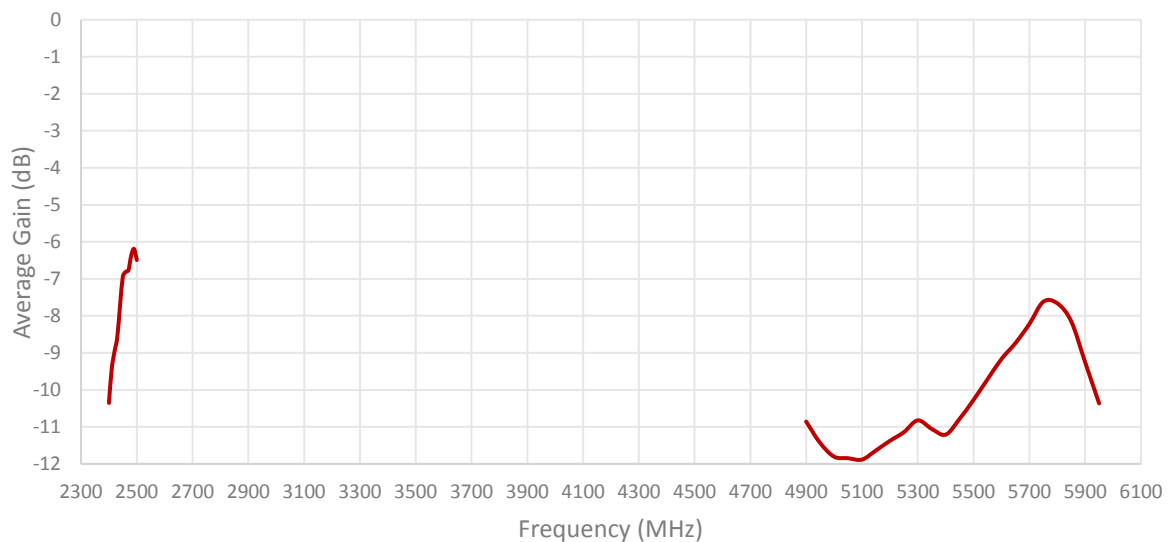
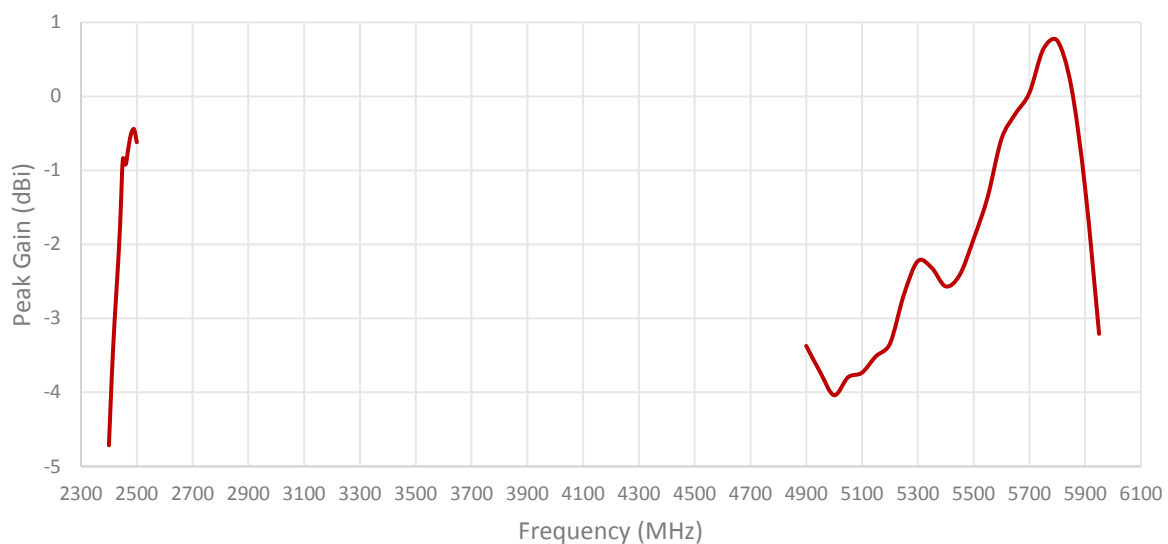
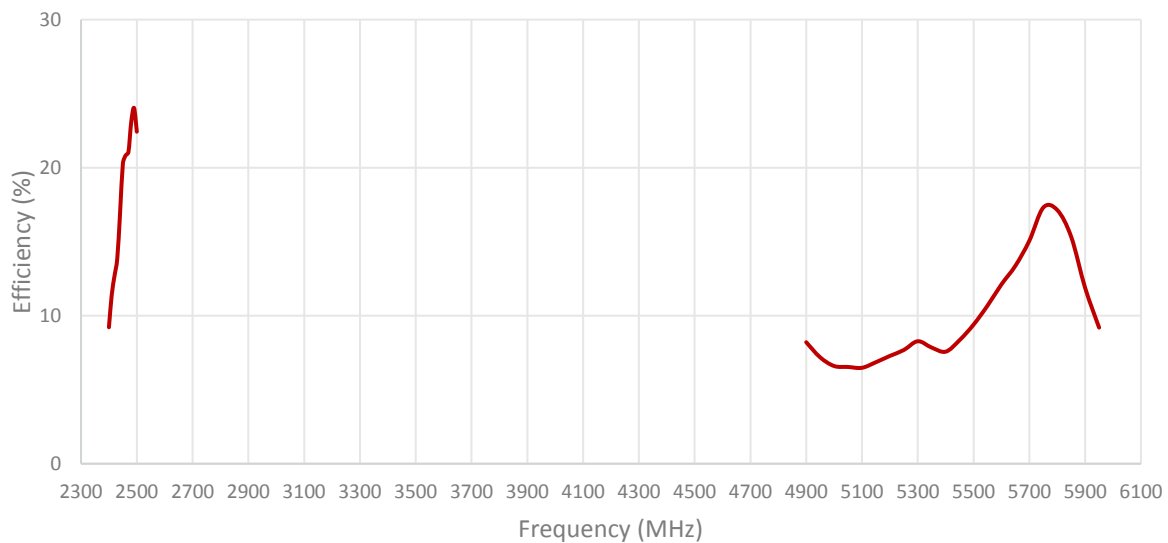
Table 1: CELLULAR

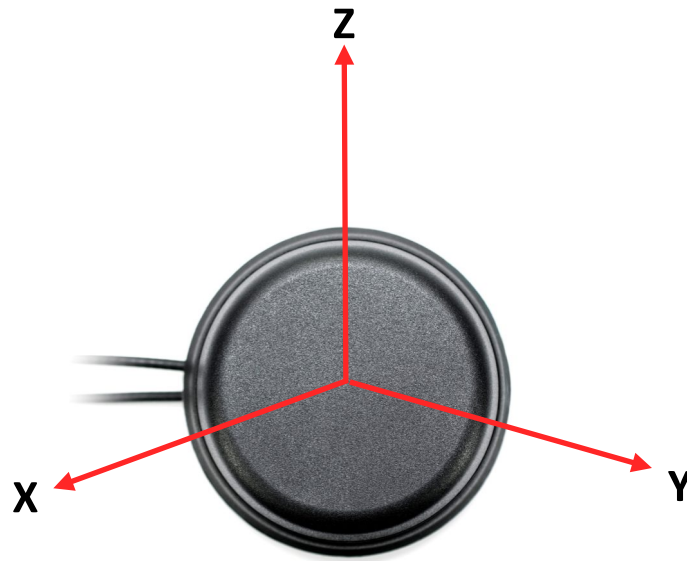




Cable 2: 2.4/5.0 GHz ISM

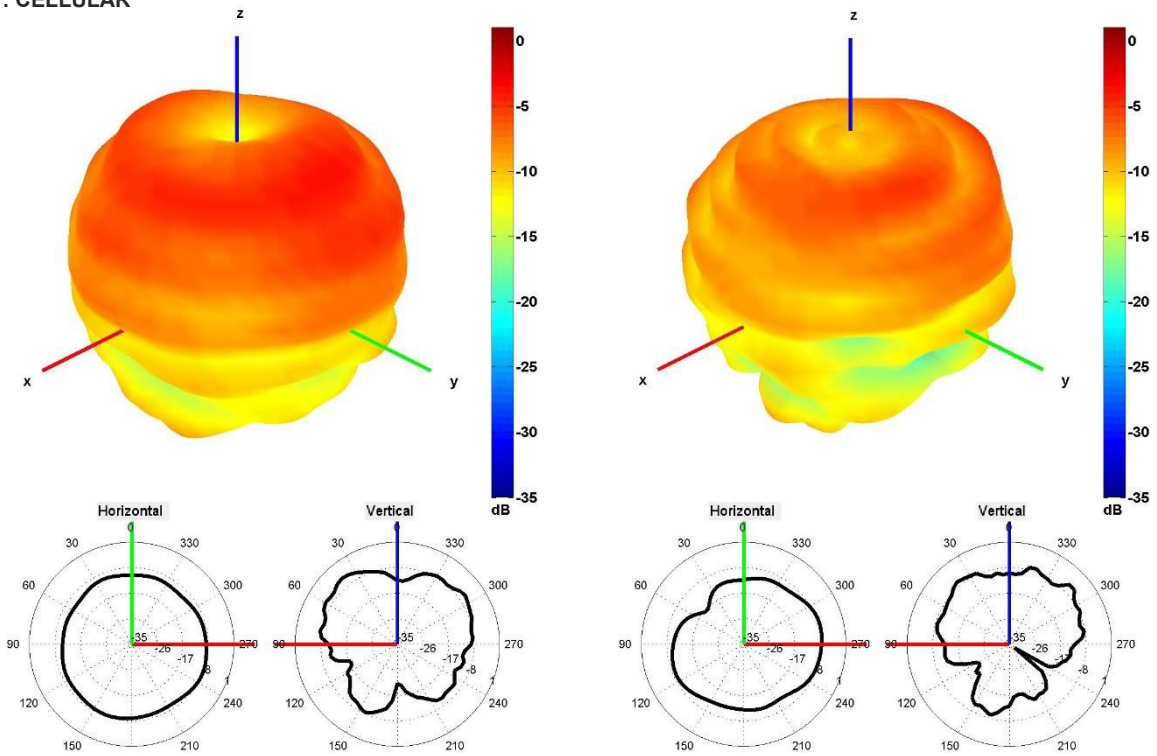




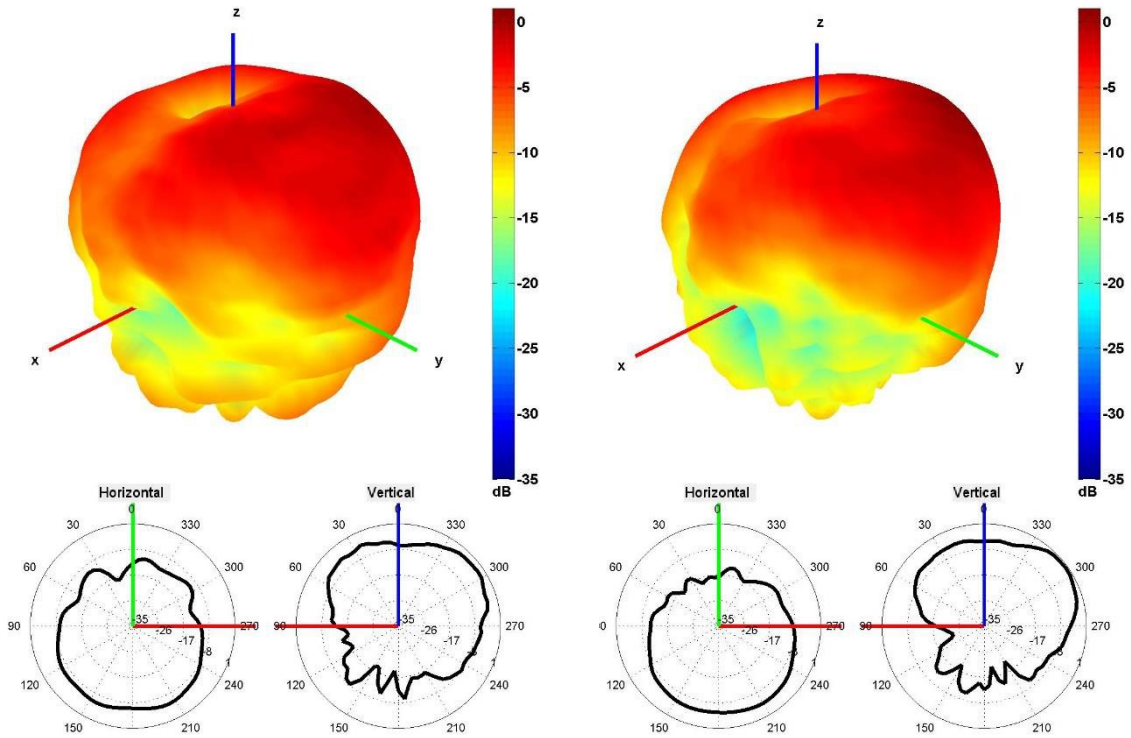


Radiation pattern reference

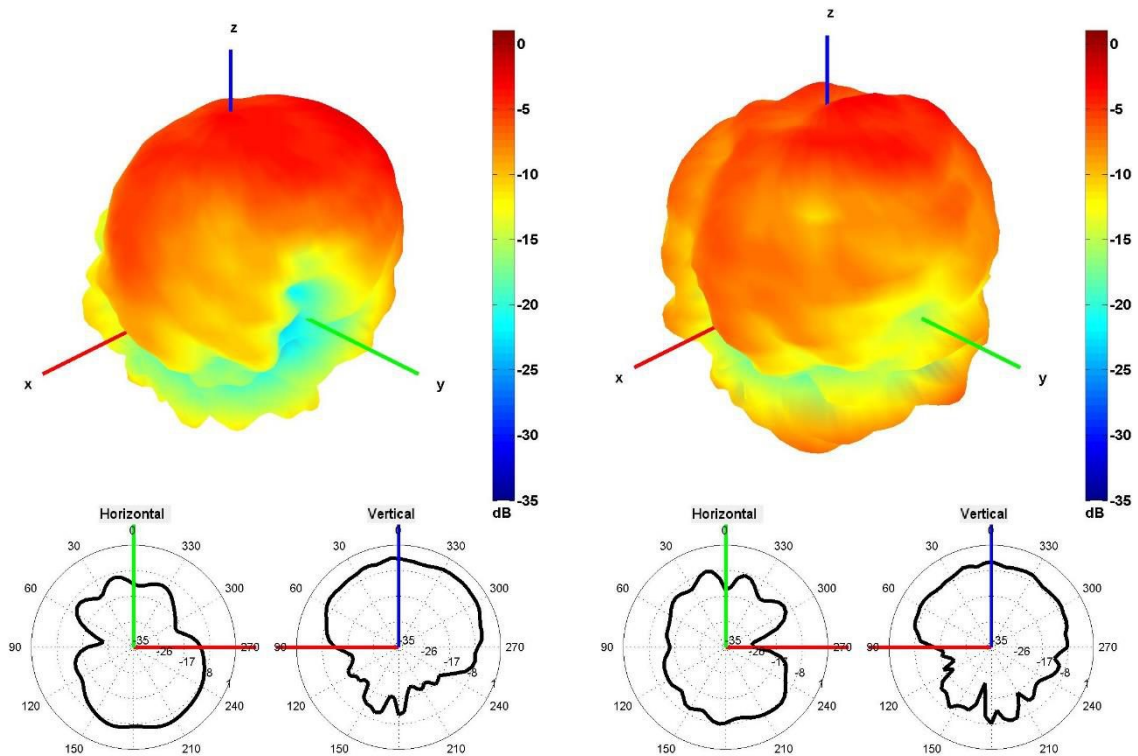
Cable 1: CELLULAR



750 and 850 MHz Radiation pattern

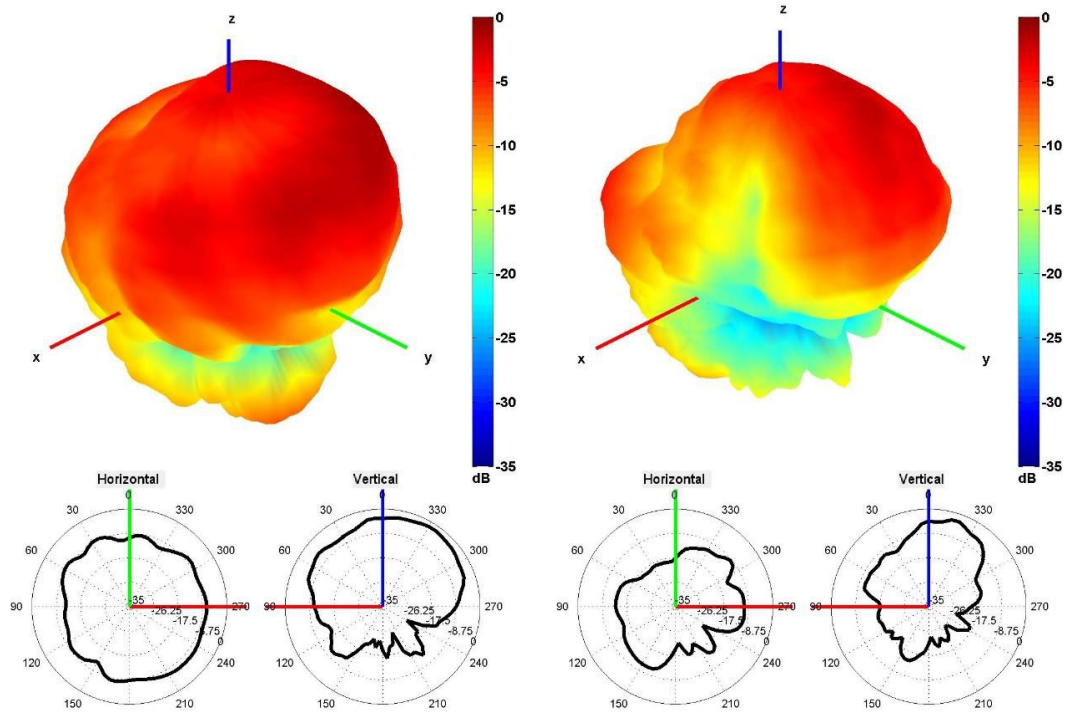


1750 and 1850 MHz Radiation pattern



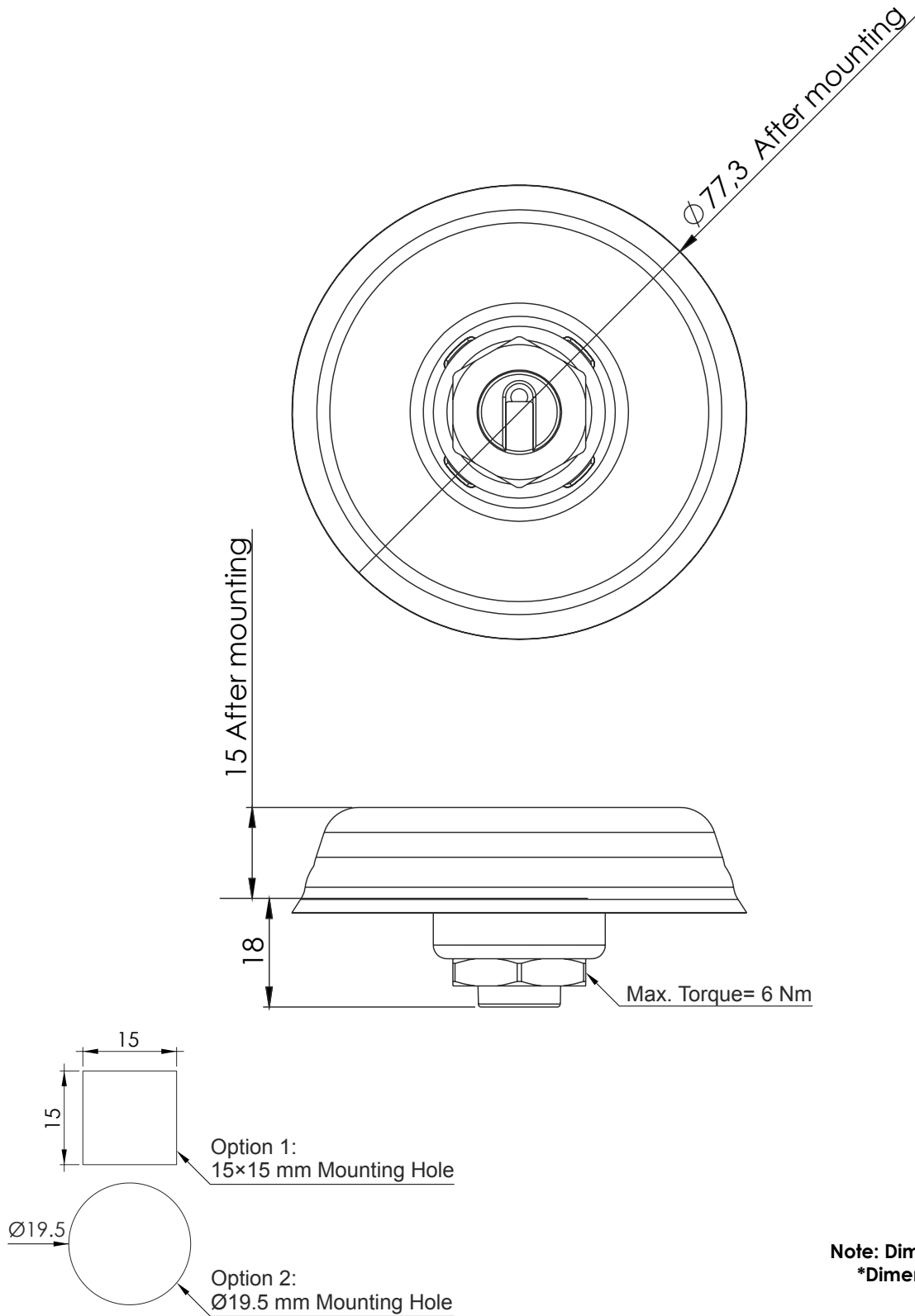
1950 and 2100 MHz Radiation pattern

Cable 2: 2.4/5.0 GHz ISM



2450 and 5500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

