

2J6524Ba

CELLULAR/LTE MIMO Screw Mount

Key Features

Cable 1 and 2: CELLULAR / LTE

- 791-960 MHz
- 1710-2170 MHz
- 2500-2700 MHz

Screw Mount

Heavy Duty antenna

High Performance

Ground Plane Dependent

Anti-Rotation Mounting

Customizable Cable and Connector

Dimensions Ø 146 x 31.5 mm

Certificates: IP67, IP69K, IK09



Note: This antenna is suitable only for European LTE frequency bands



1. Antenna and electrical specifications

Cable 1

Parameters	CELLULAR / LTE Antenna		
Standards	4G LTE/FirstNet/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G		
Band (MHz)	800/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	791-960	1710-2170	2500-2700
Return Loss (dB)	~-8.9	~-14.1	~-12.5
VSWR	~2.2:1	~1.5:1	~1.6:1
Efficiency (%)	~27.0	~34.2	~24.2
Peak Gain (dBi)	~-1.1	~2.2	~0.8
Average Gain (dB)	~-6.3	~-4.7	~-6.2
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	RG174 Standard (Other Cables Available)		

Cable 2

Parameters	CELLULAR / LTE Antenna		
Standards	4G LTE/FirstNet/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G		
Band (MHz)	800/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	791-960	1710-2170	2500-2700
Return Loss (dB)	~-7.9	~-12.2	~-13.4
VSWR	~2.5:1	~1.7:1	~1.6:1
Efficiency (%)	~22.9	~26.5	~24.1
Peak Gain (dBi)	~-1.9	~0.2	~0.5
Average Gain (dB)	~-7.4	~-6.0	~-6.2
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	RG174 Standard (Other Cables Available)		

Antenna Measurement Conditions:

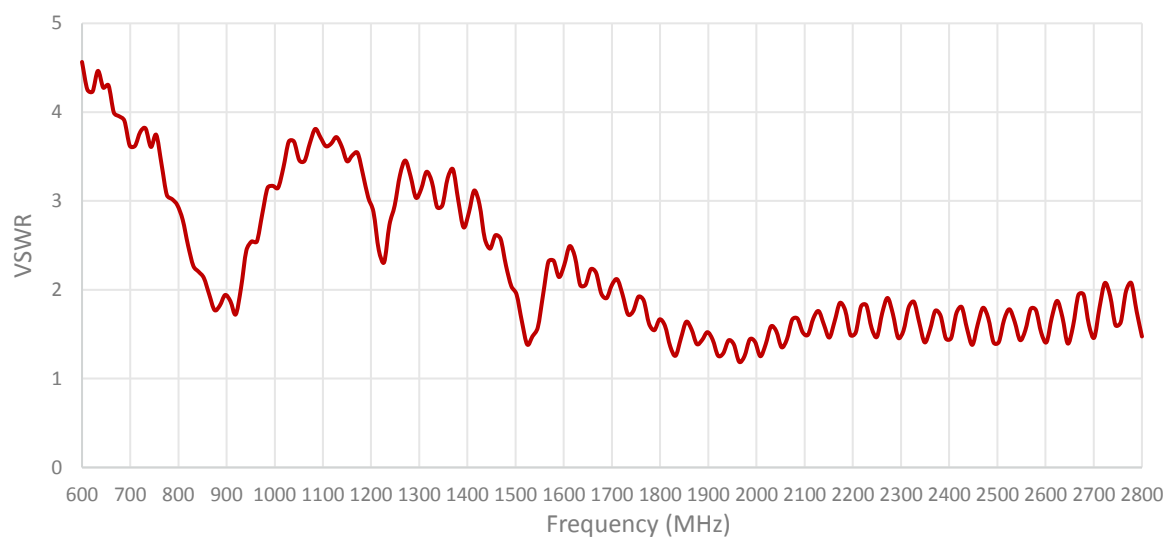
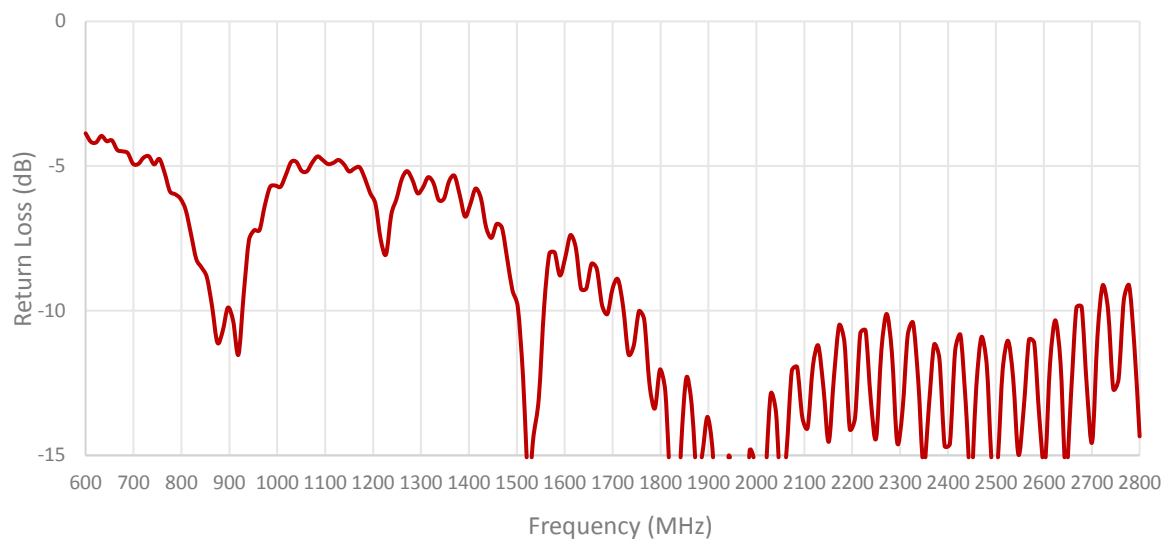
Mounted on Metal Plate of 30 x 30 cm
 200 cm of RG174 Cable
 Measured in Certified CTIA 3D Anechoic Chamber

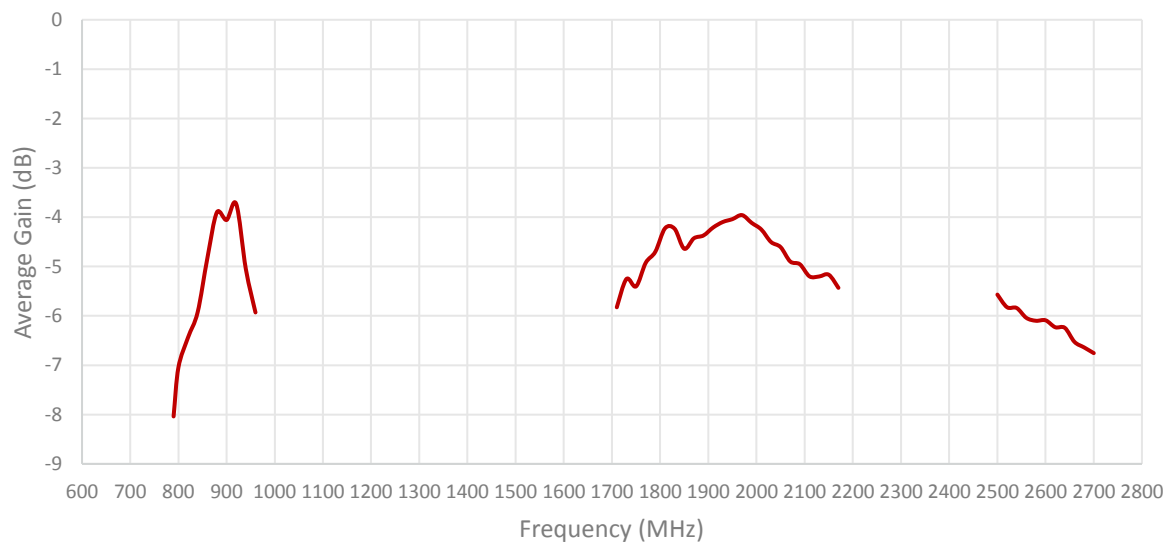
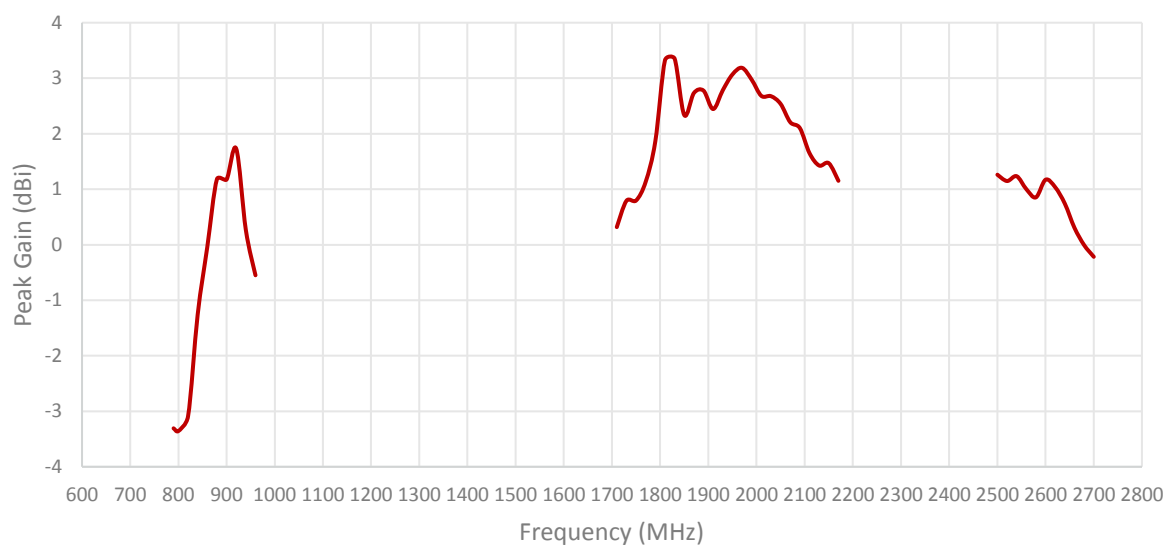
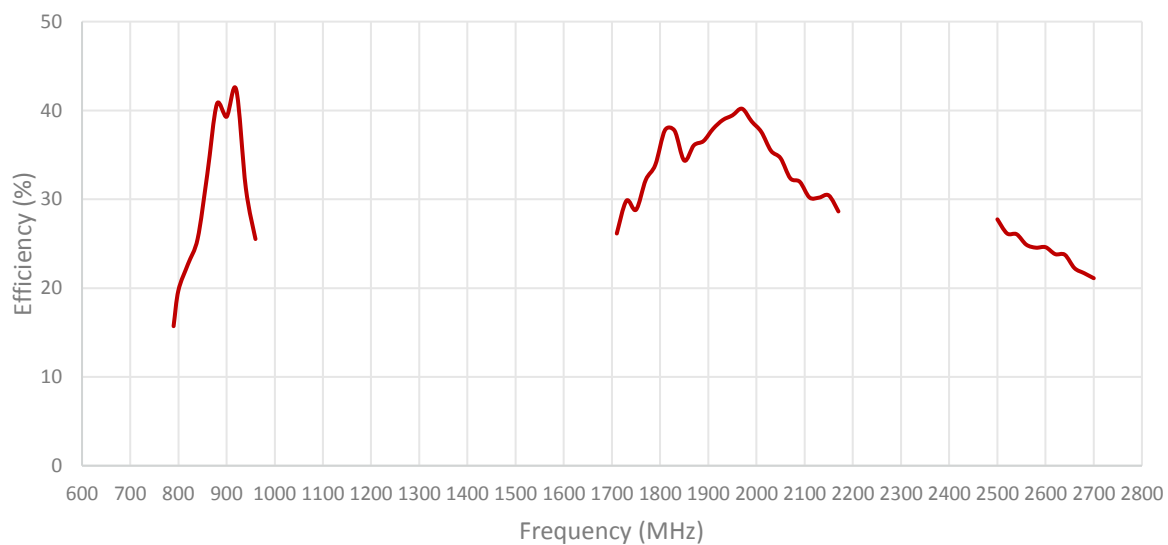
2. Mechanical and environmental specifications

Specifications	2J6524Ba
Mounting Type	Screw Mount
Dimensions (mm)	Ø 146 x 31.5
Max. Tighten Torque (Nm)	6 Nm
Radome	ABS
Radome color	Black
Antenna Base	Zamak
Gasket	TPE
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IK09, IP67, IP69K

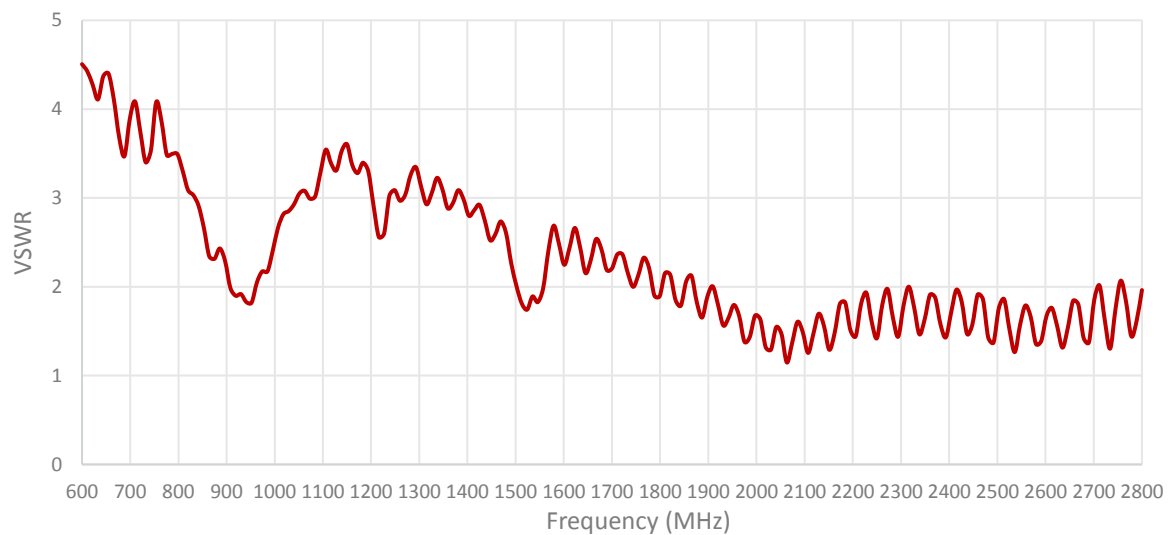
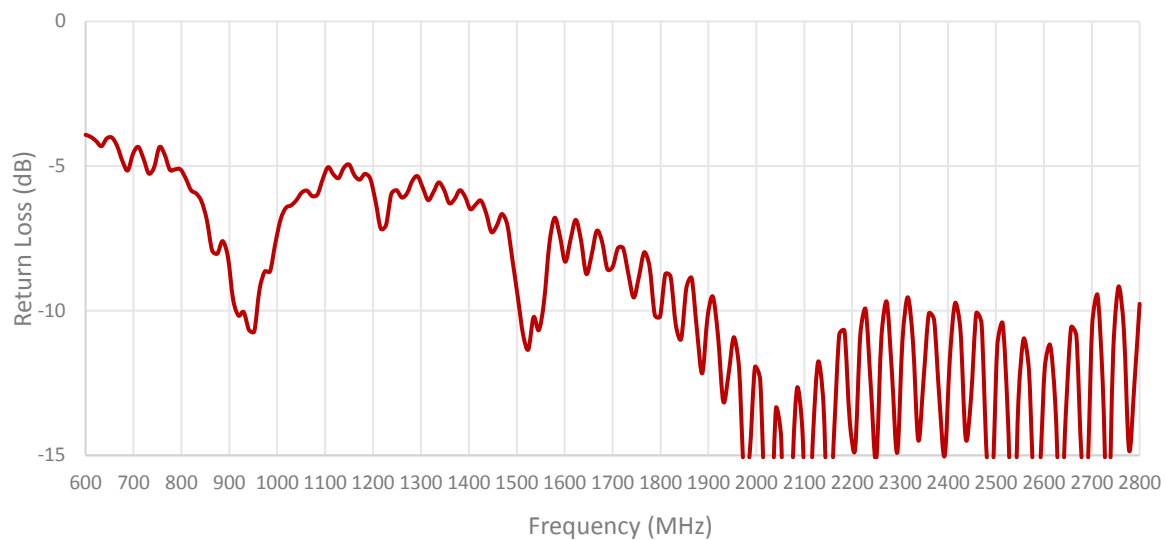
3. Antenna parameters

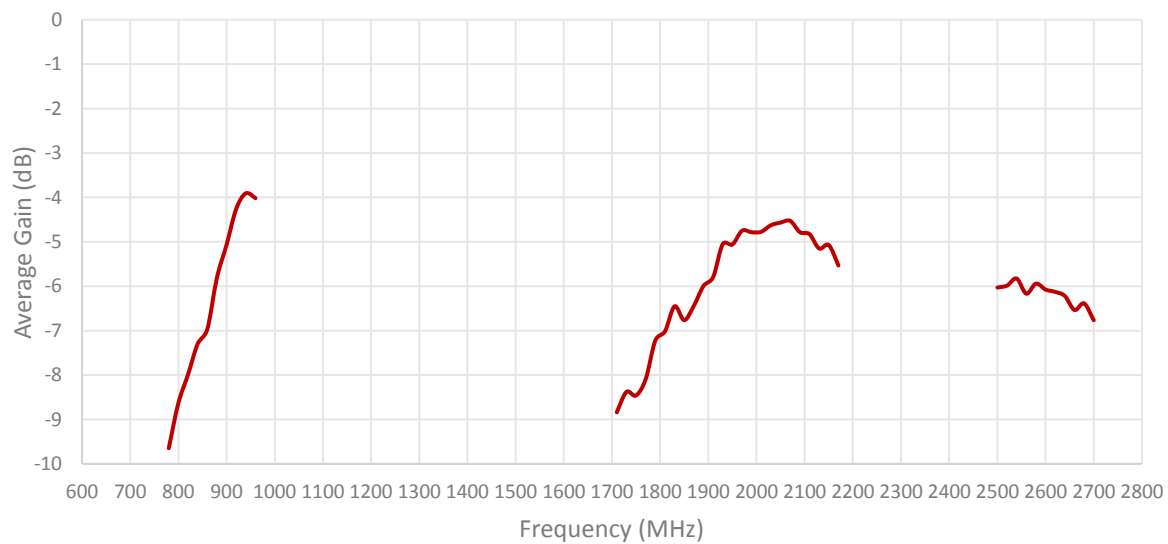
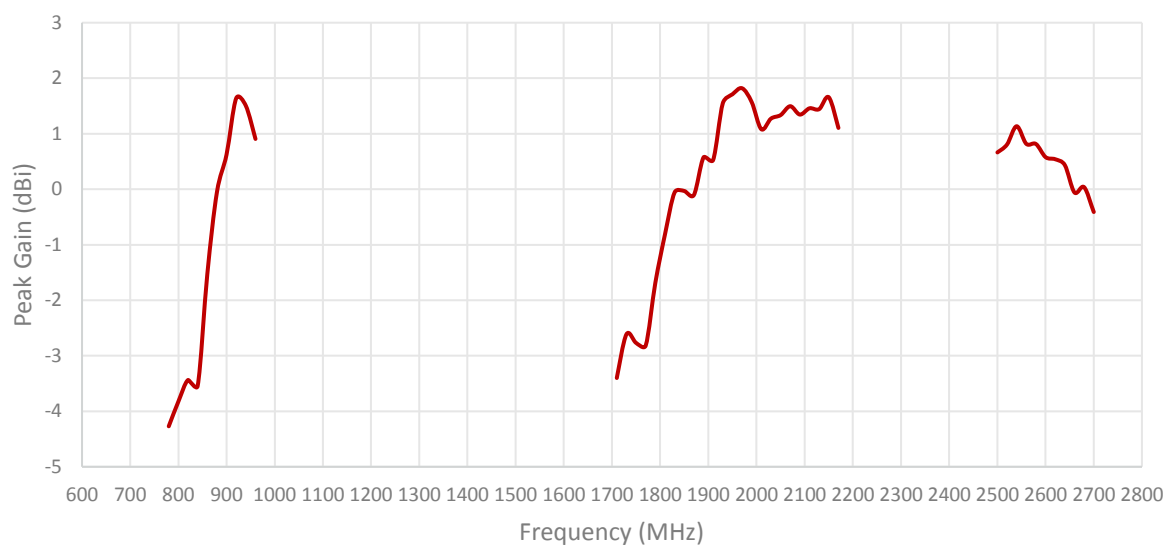
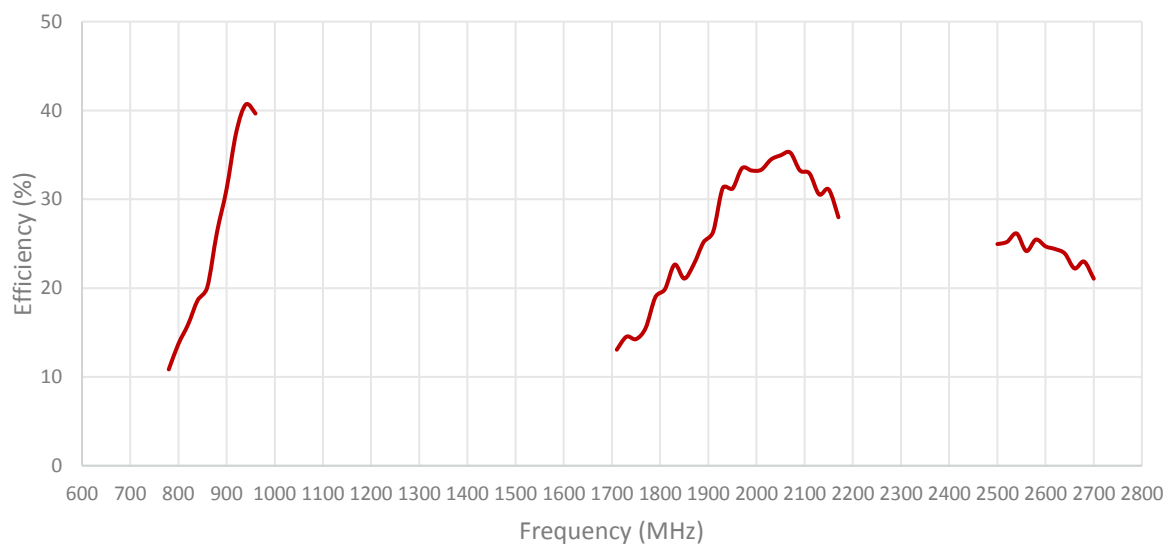
Cable 1: CELLULAR/LTE



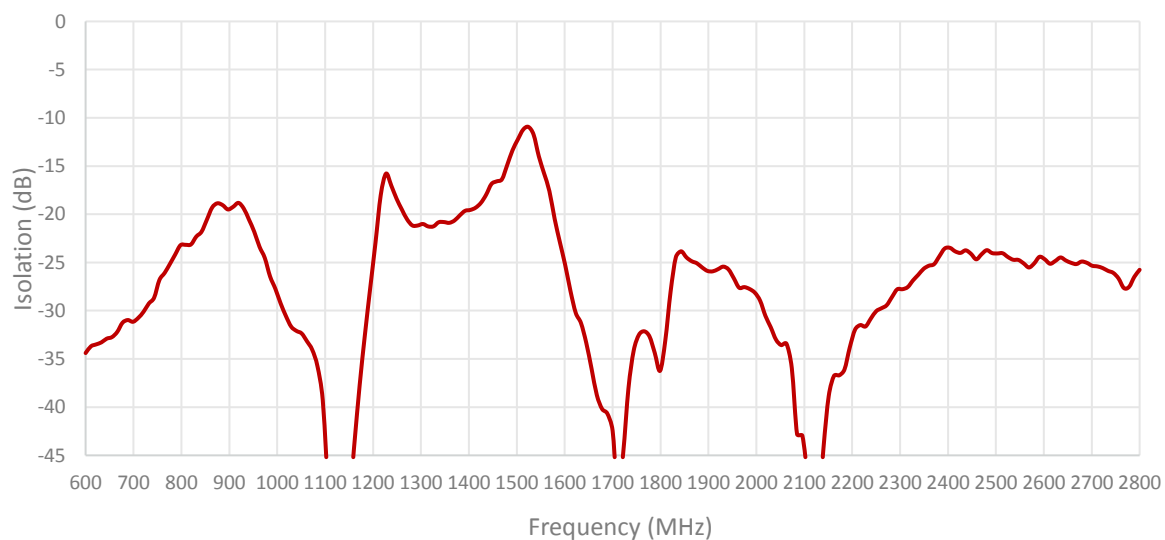


Cable 2: CELLULAR/LTE

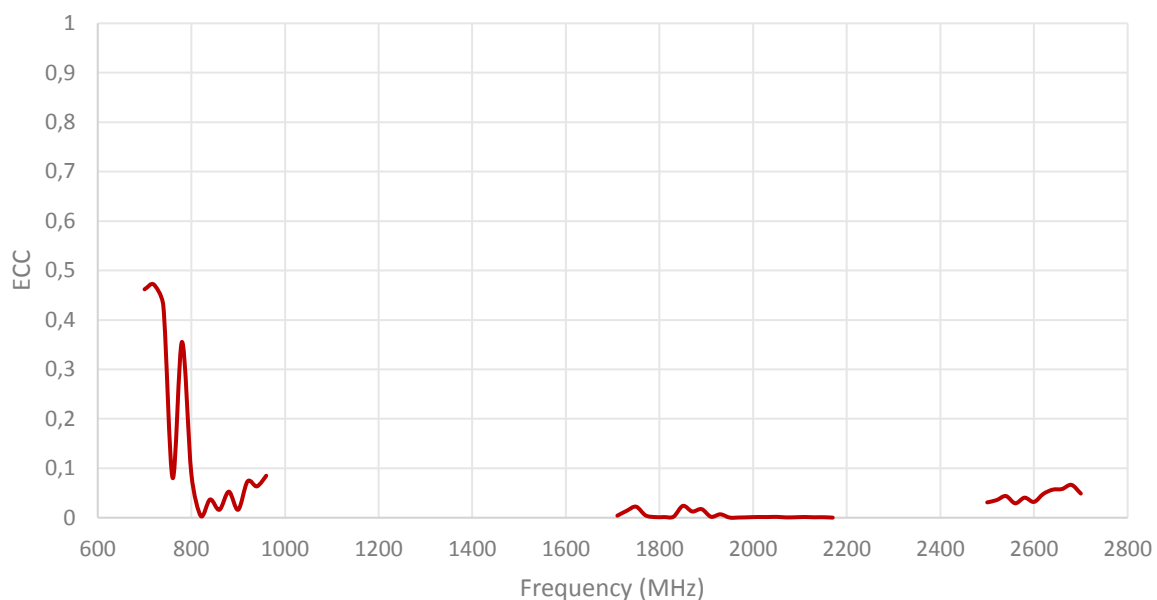


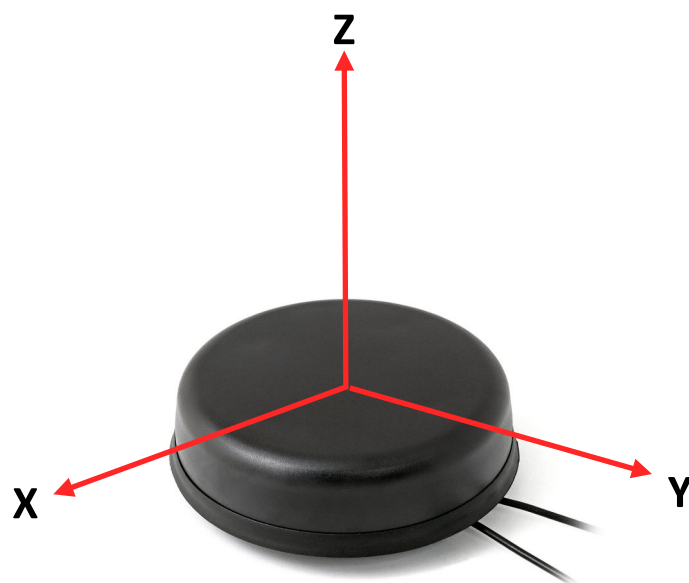


ISOLATION FOR CABLES 1 AND 2



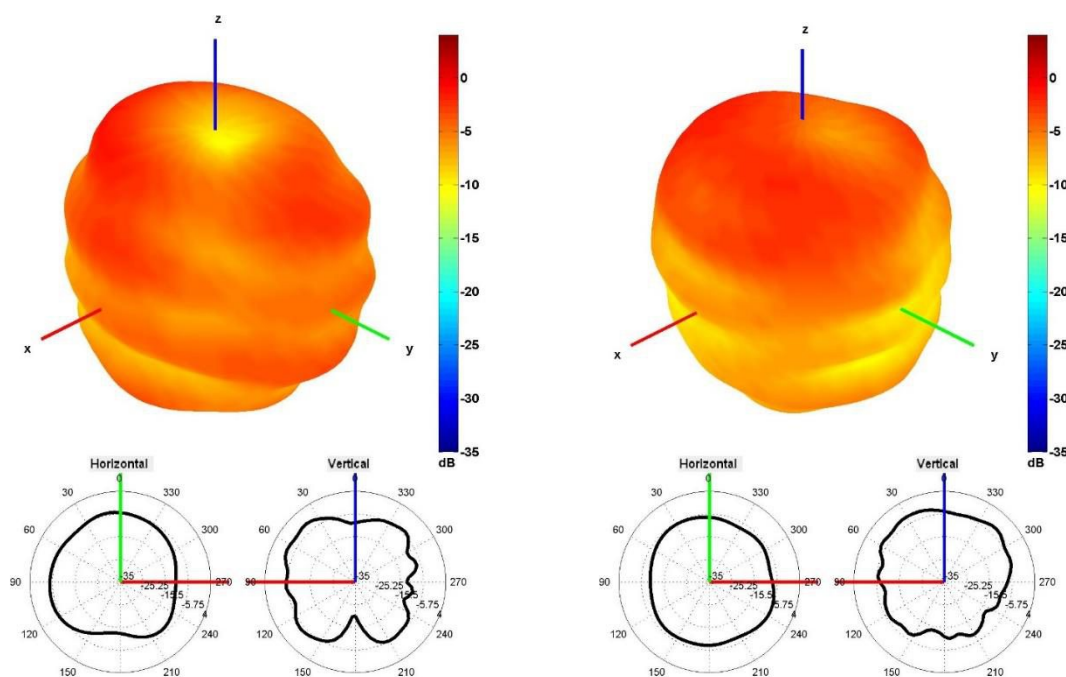
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2



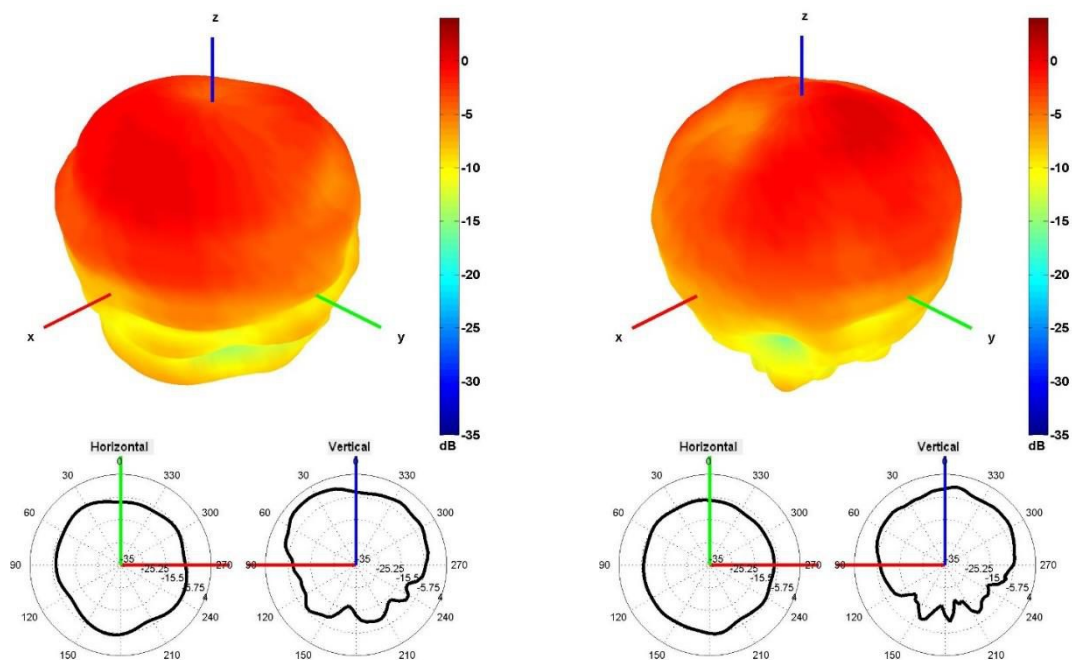


Radiation pattern reference

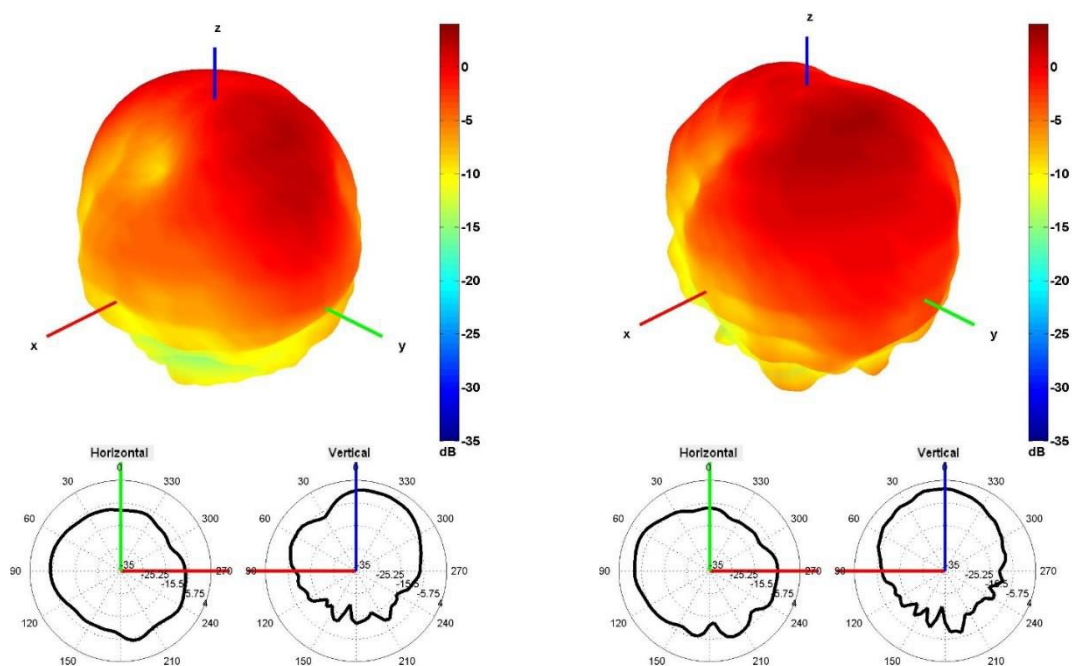
Cable 1: CELLULAR/LTE



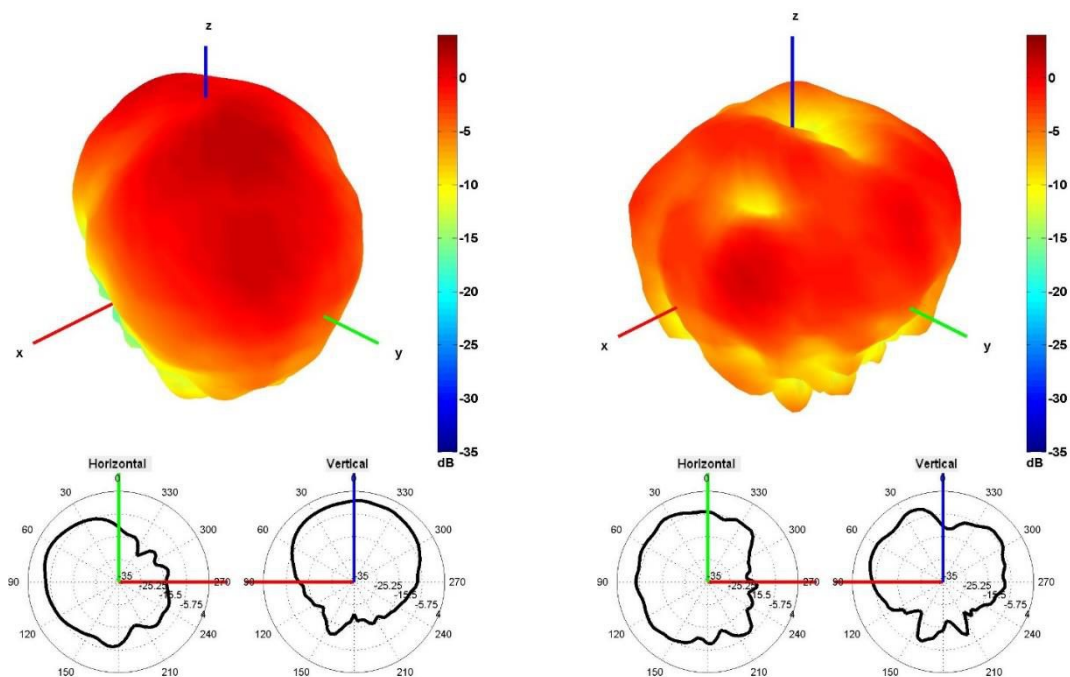
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

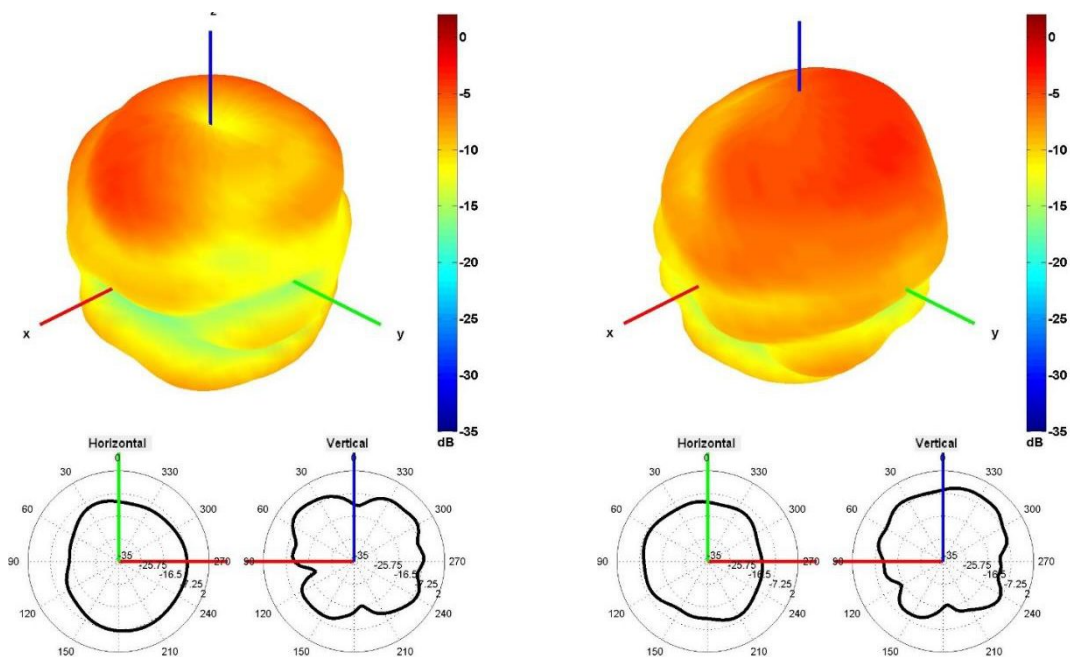


1850 and 1950 MHz Radiation pattern

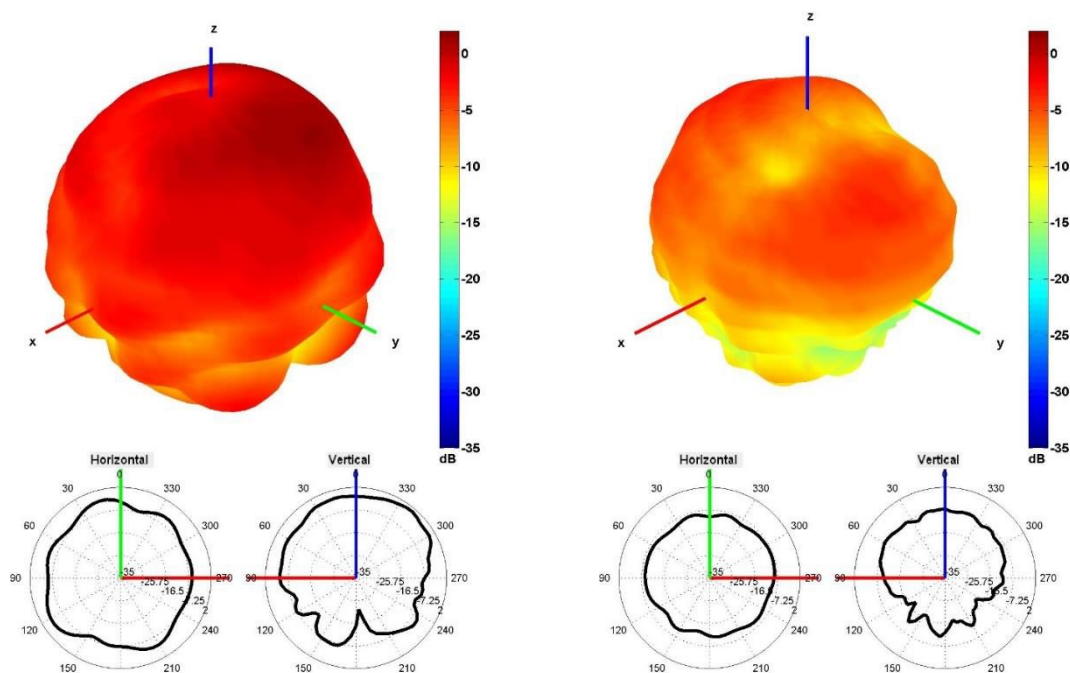


2100 and 2600 MHz Radiation pattern

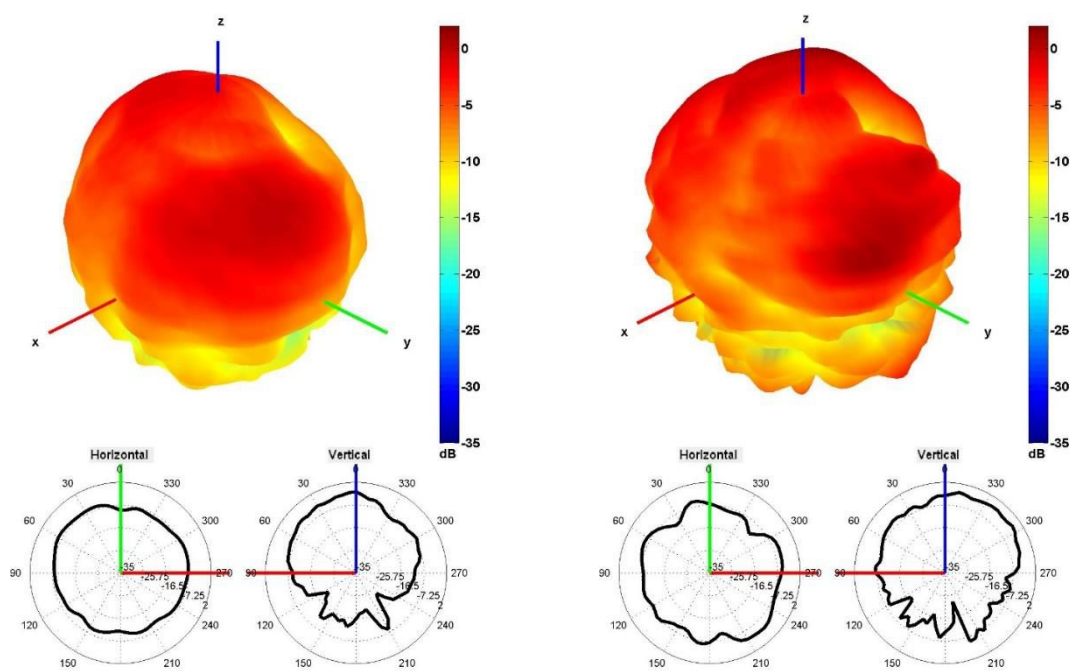
Cable 2: CELLULAR/LTE



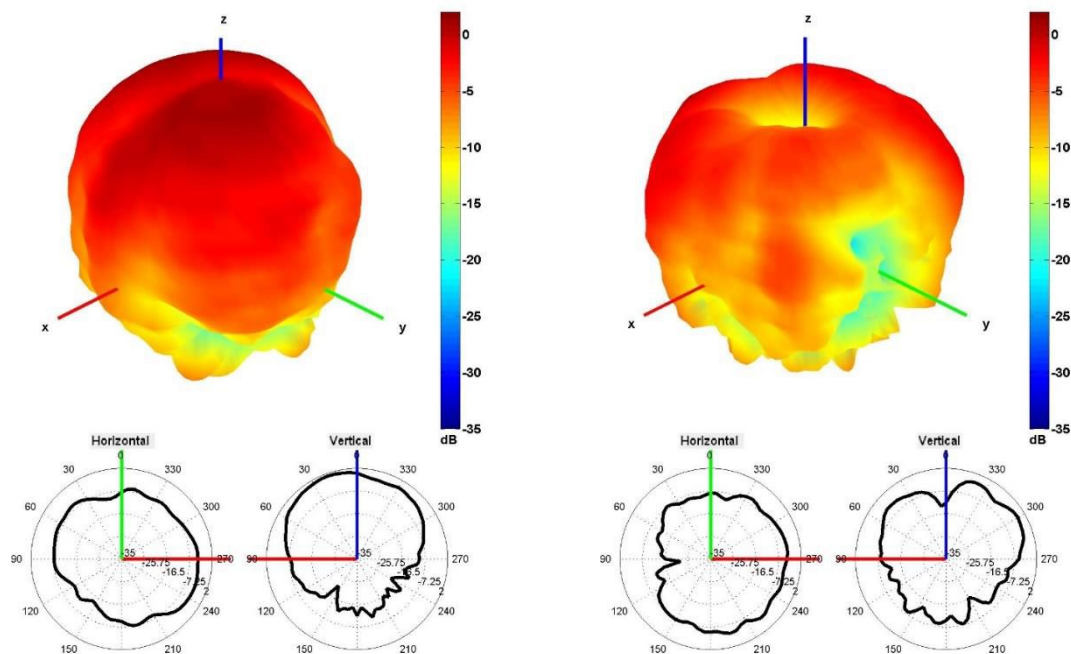
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

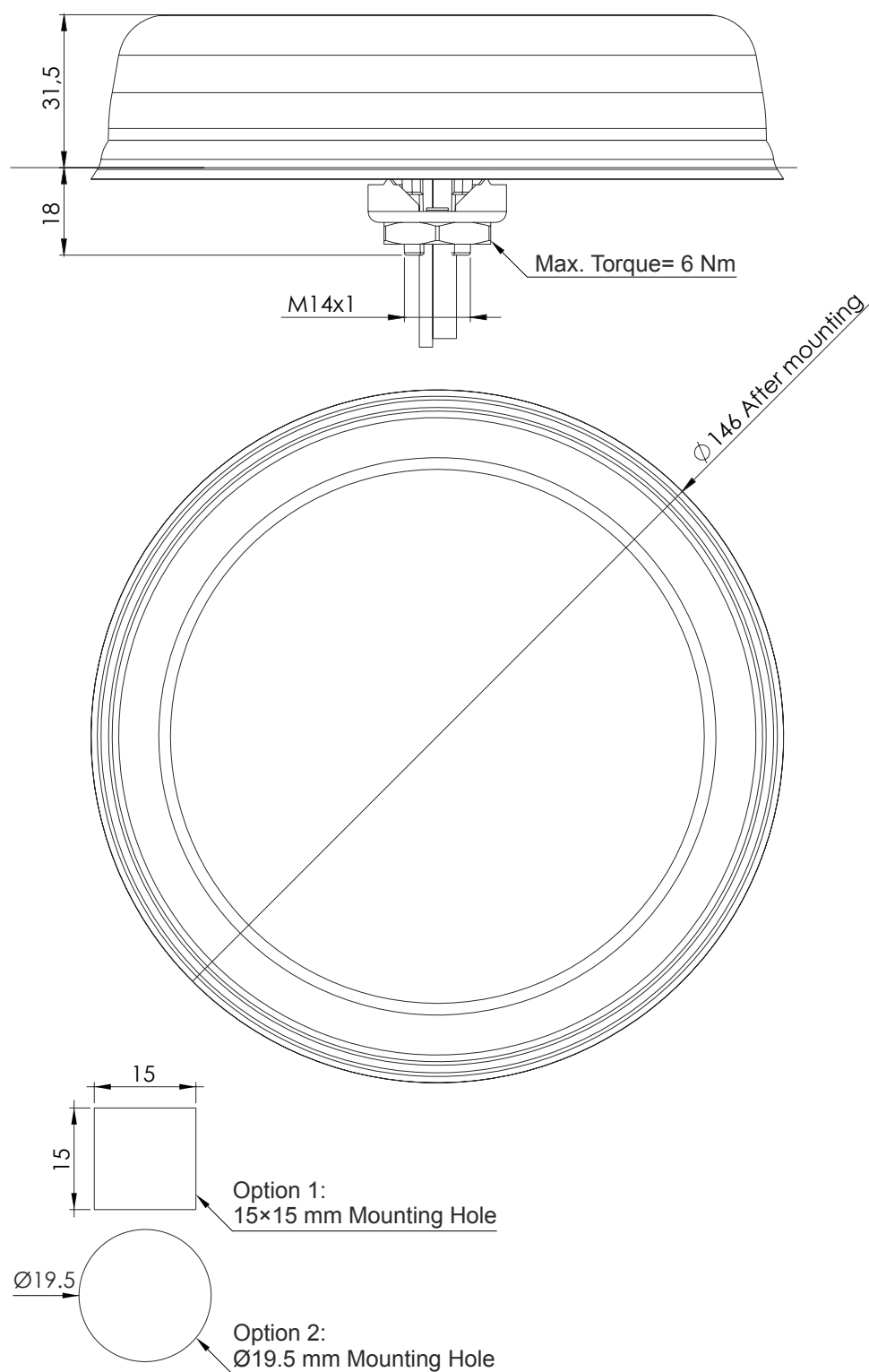


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

4. Antenna drawings



Note: Dimensions are in millimeters
***Dimensions are after mounting**
****Max. Torque= 6 Nm**

5. Antenna Images





Макро Групп – это:

- дистрибьютор электронных компонентов с 1994 года
- контрактный производитель электроники с 2007 года с собственным производством в Санкт-Петербурге (компания Макро ЕМС, входит в ГК Макро Групп)
- поставщик полупроводниковых материалов
- комплексный поставщик электронных компонентов
- моделирование и производство полупроводниковых эпитаксиальных гетероструктур для задач оптоэлектроники

Головной офис расположен в Санкт-Петербурге. Собственные представительства в крупных промышленных городах России и стран СНГ.

Преимущества для наших заказчиков:

- работа по тендерам с 2012 года
- оформление банковских гарантий
- отсрочки платежей
- поставка электронных компонентов по проектным ценам
- инженерная поддержка проектов заказчиков
- сертификат системы менеджмента качества ISO 9001-2015
- необходимые сертификаты и лицензии

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