

2J6902MPa

2.4/5.0/6.0 Ghz ISM MIMO Magnetic/Adhesive Mount

Key Features

Cable 1 - 2: 2.4/5.0/6.0 GHz ISM

- 2410-2490 MHz
- 4920-5925 MHz
- 5925-7125 MHz

Magnetic/Adhesive Mount

Low Profile

High Gain

Ground Plane Independent

Customizable Cable and Connector

Dimensions 89 × 76 × 27/30 mm

Certificates: IP67, IP69



1. Antenna and electrical specifications

Cable 1

Parameters	2.4/5.0/6.0 GHz ISM Antenna		
Standards	WiFi, BT, ZigBee, ISM		
Band (MHz)	2.4 GHz	5.0 GHz	6.0 GHz
Frequency (MHz)	2410-2490	4920-5925	5925-7125
Return Loss (dB)	~-18.0	~-12.8	~-12.8
VSWR	~1.3:1	~1.7:1	~1.7:1
Efficiency (%)	~38.4	~25.6	~29.1
Peak Gain (dBi)	~3.8	~2.8	~2.4
Average Gain (dB)	~-4.2	~-6.0	~-5.4
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	D302 Standard (Other Cables Available)		

Cable 2

Parameters	2.4/5.0/6.0 GHz ISM Antenna		
Standards	WiFi, BT, ZigBee, ISM		
Band (MHz)	2.4 GHz	5.0 GHz	6.0 GHz
Frequency (MHz)	2410-2490	4920-5925	5925-7125
Return Loss (dB)	~-12.9	~-12.9	~-12.9
VSWR	~1.6:1	~1.6:1	~1.6:1
Efficiency (%)	~36.5	~27.7	~27.6
Peak Gain (dBi)	~3.8	~3.4	~2.6
Average Gain (dB)	~-4.4	~-5.6	~-5.6
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	D302 Standard (Other Cables Available)		

Antenna Measurement Conditions:

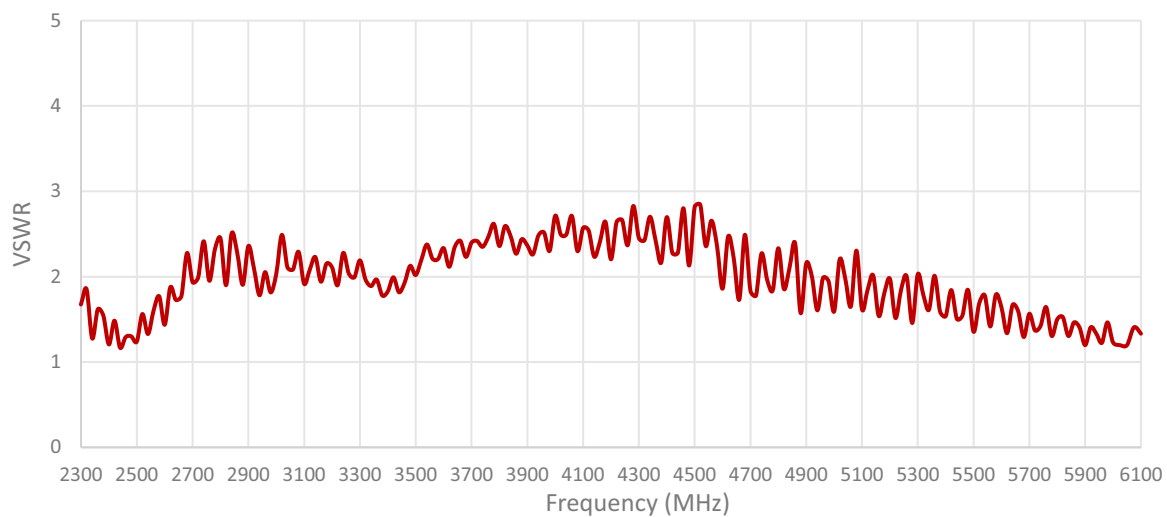
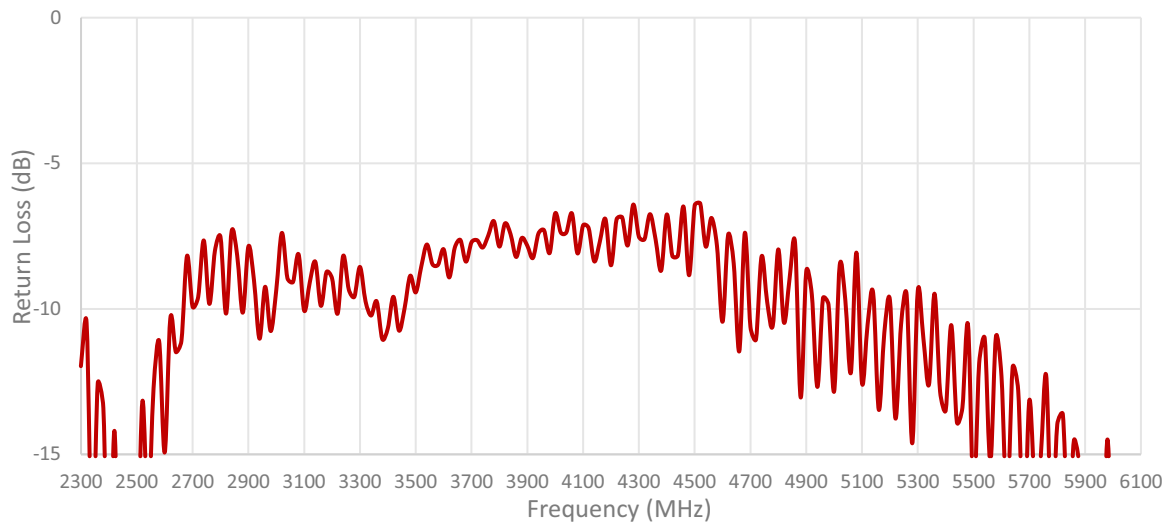
Mounted on Metal Plate of 30 x 30 cm
 100 cm of D302 Cable
 Measured in Certified CTIA 3D Anechoic Chamber

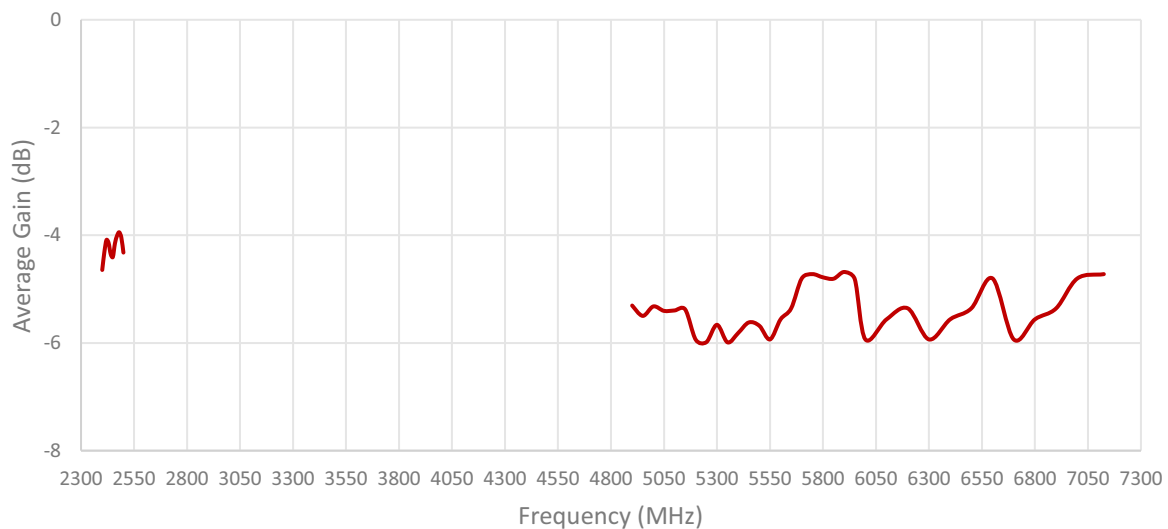
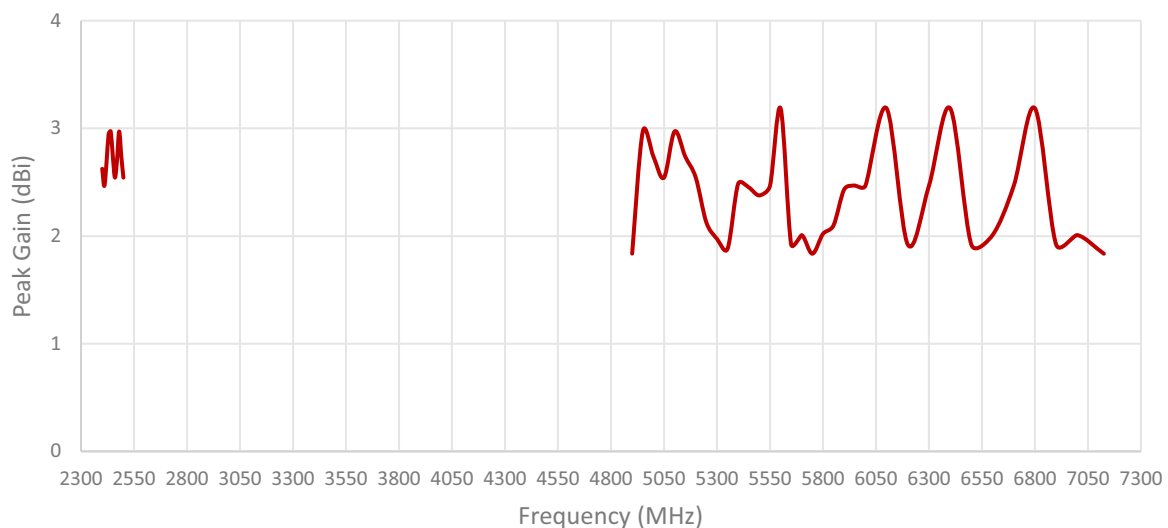
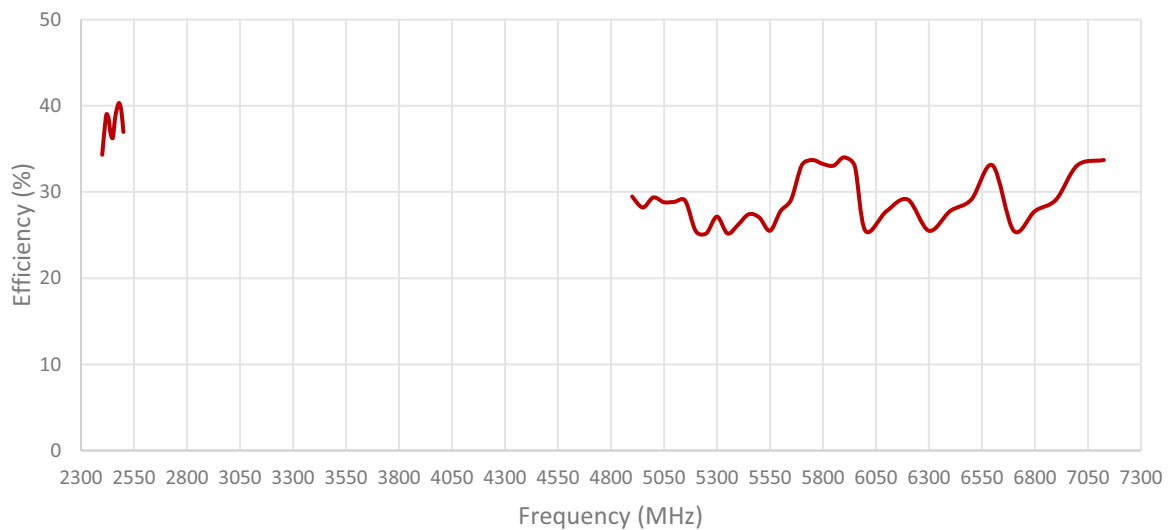
2. Mechanical and environmental specifications

Specifications	2J6902MPa
Mounting Type	Magnetic/Adhesive Mount
Dimensions (mm)	89 × 76 × 27/30
Radome Type	ASA
Radome Color	Black, White
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69,

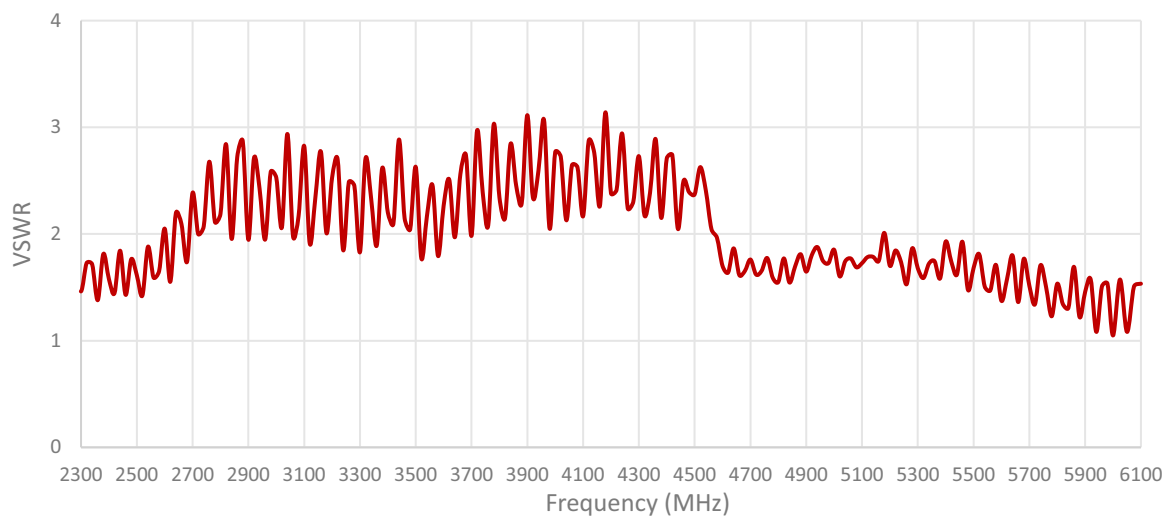
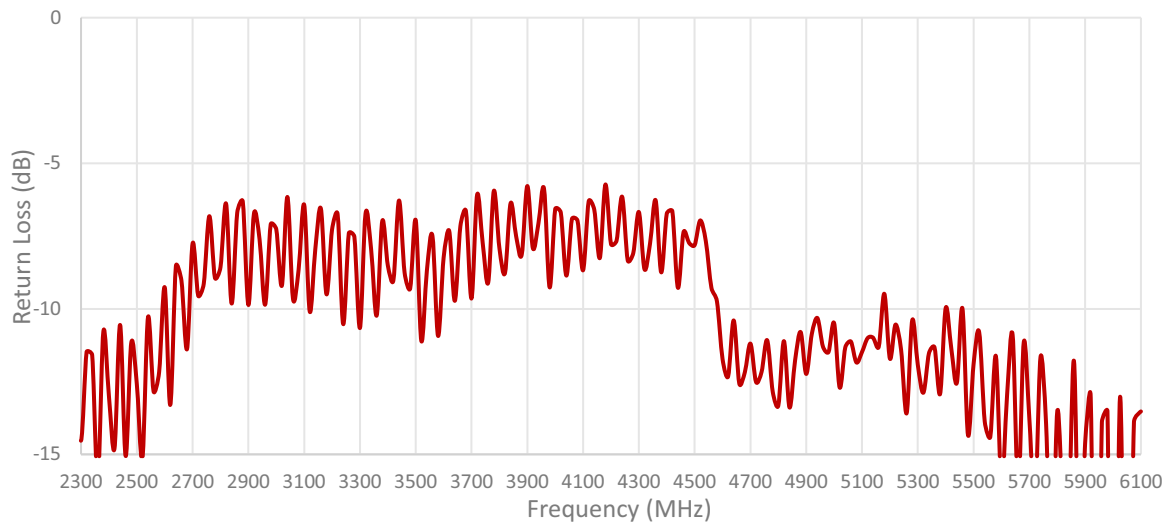
3. Antenna parameters

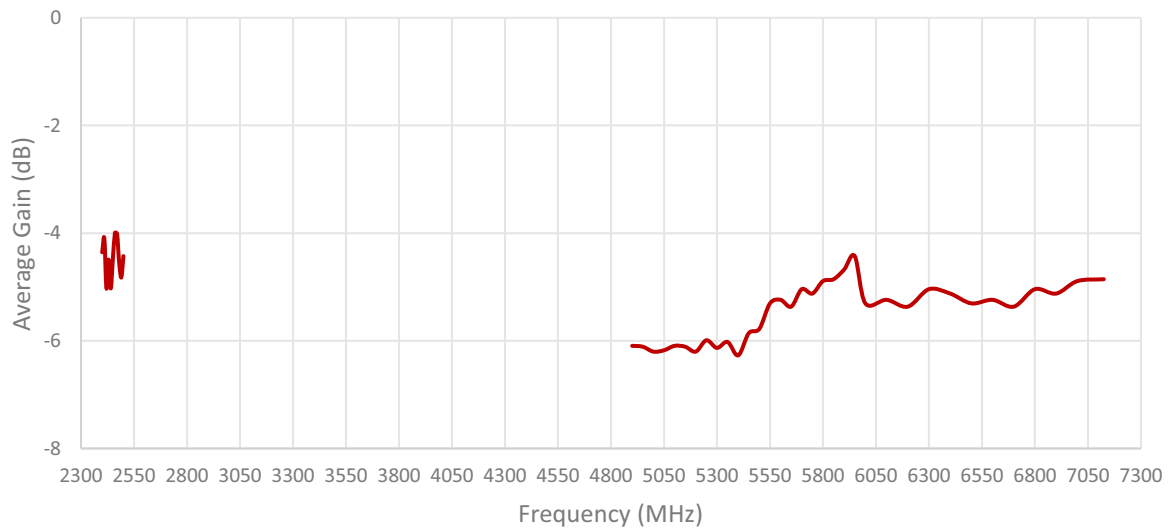
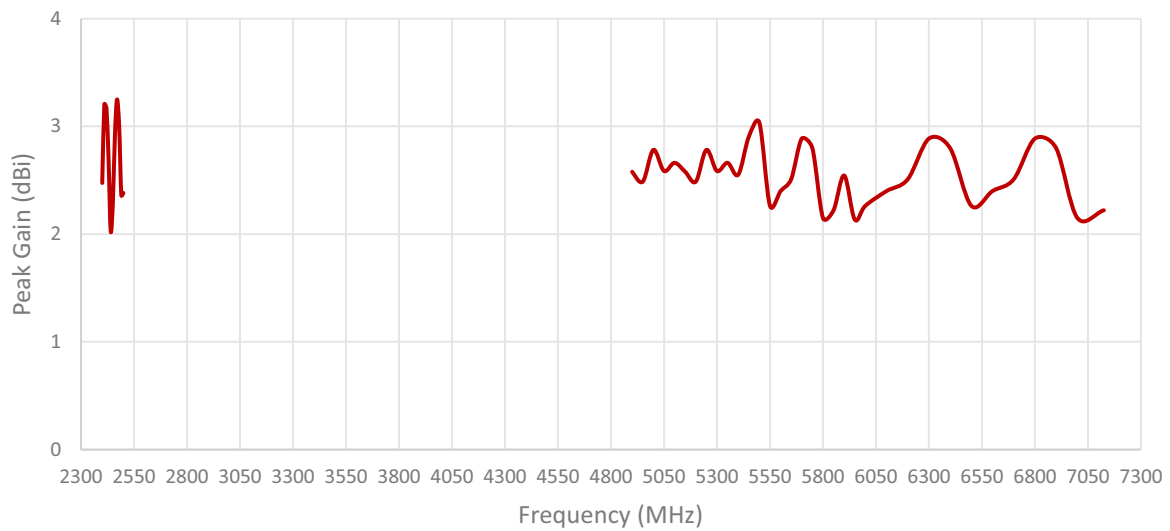
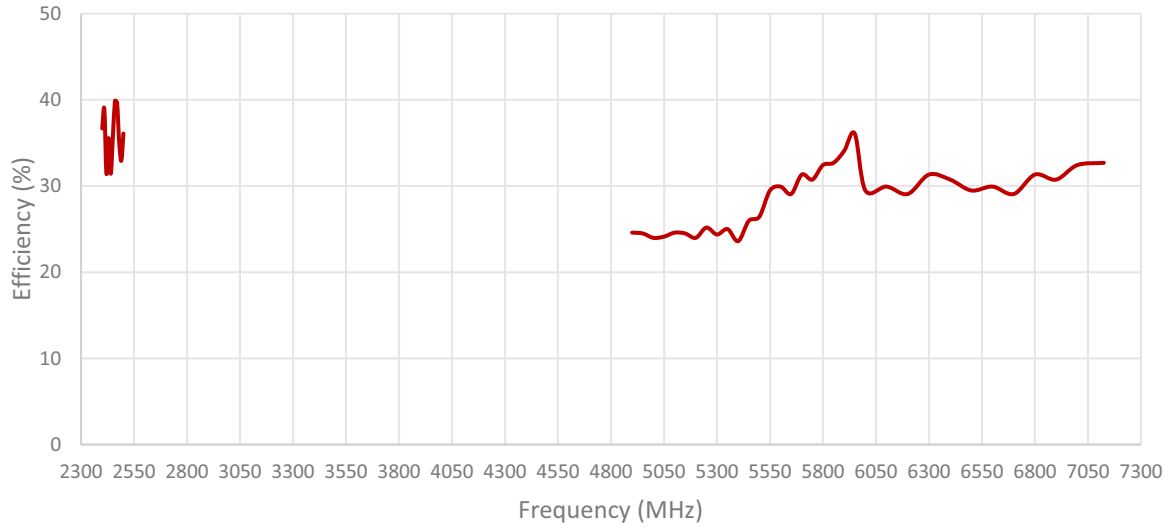
Table 1: 2.4/5.0/6.0 GHz ISM



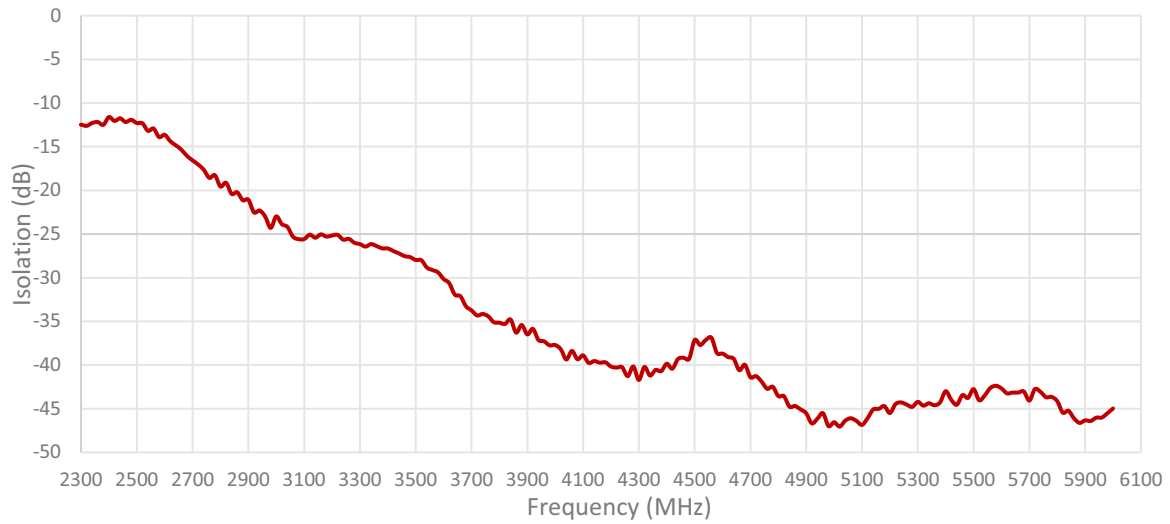


Cable 2: 2.4/5.0/6.0 GHz ISM

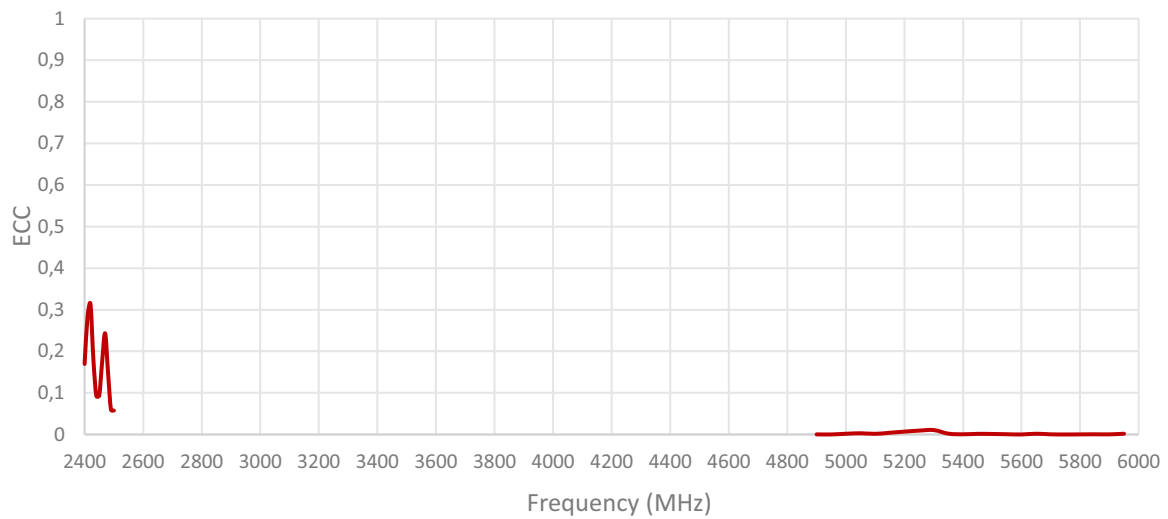


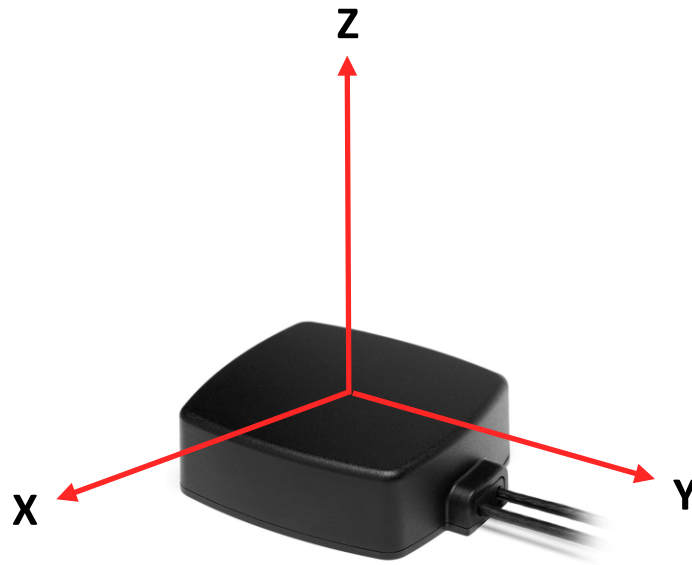


ISOLATION FOR CABLES 1 AND 2



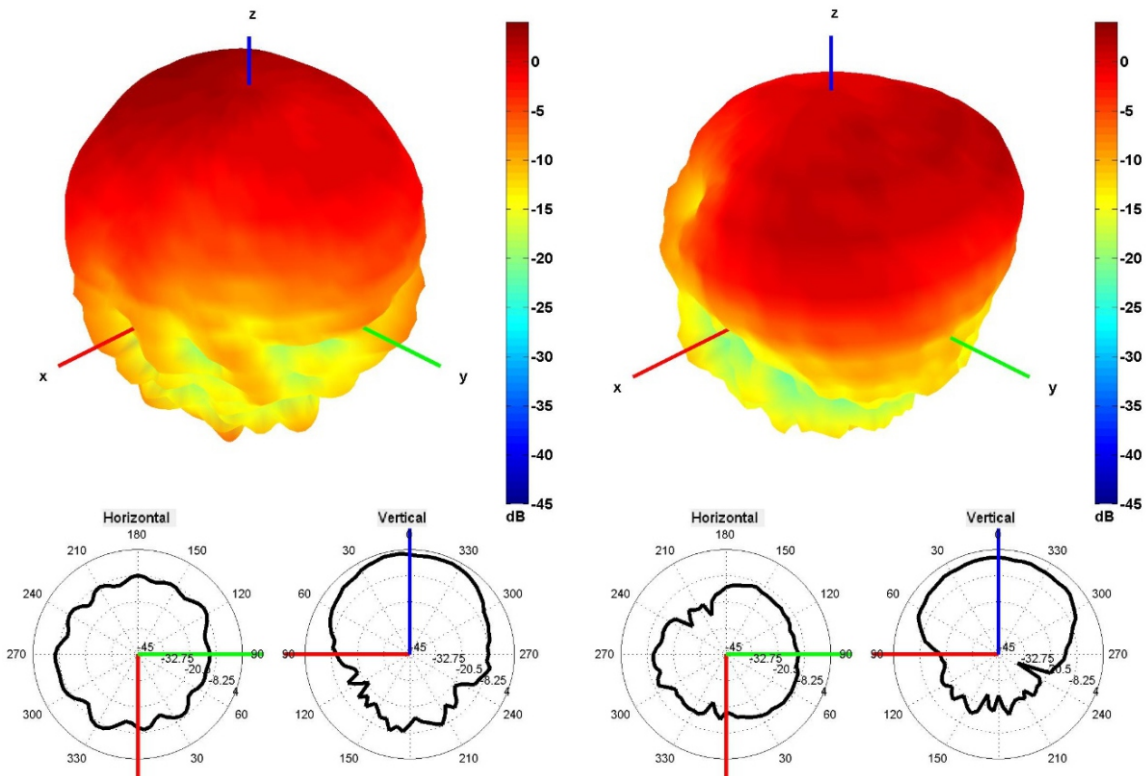
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2



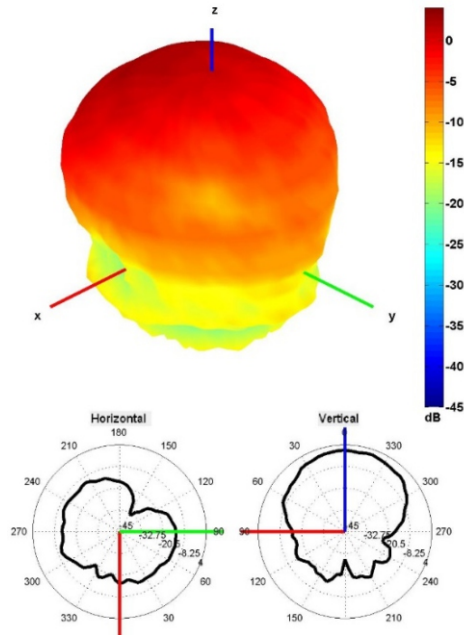


Radiation pattern reference

Cable 1: 2.4/5.0/6.0

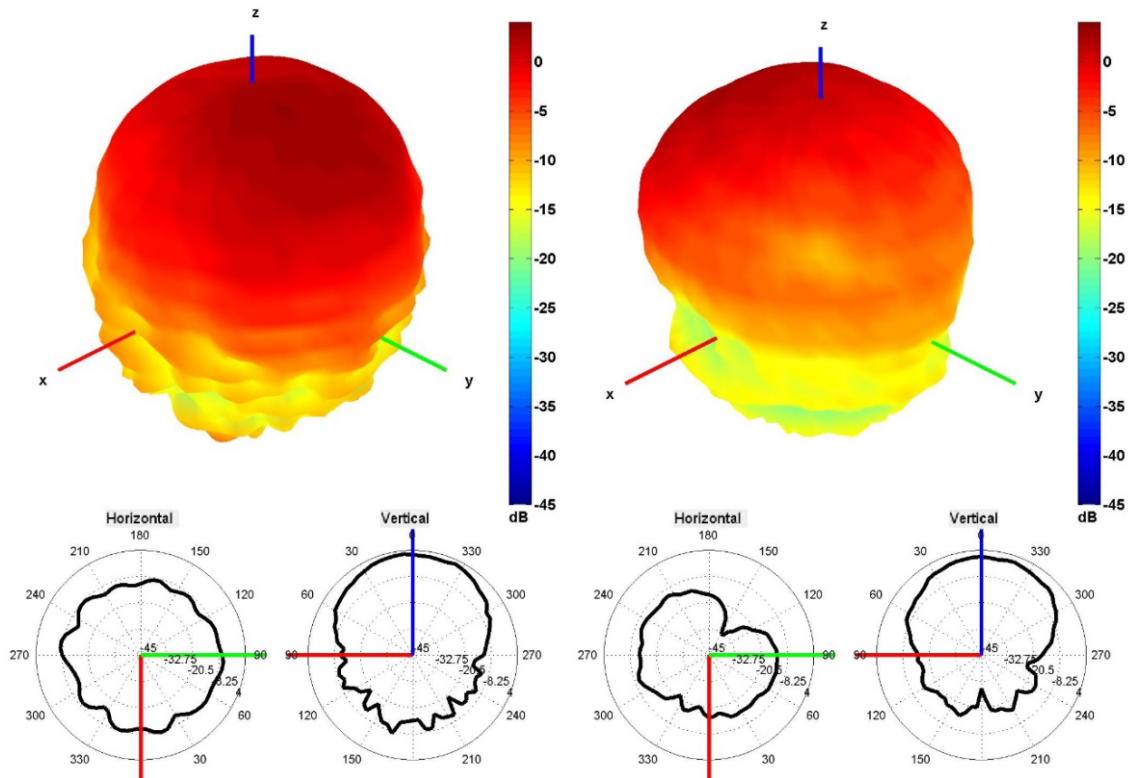


2450 and 5500 MHz Radiation pattern

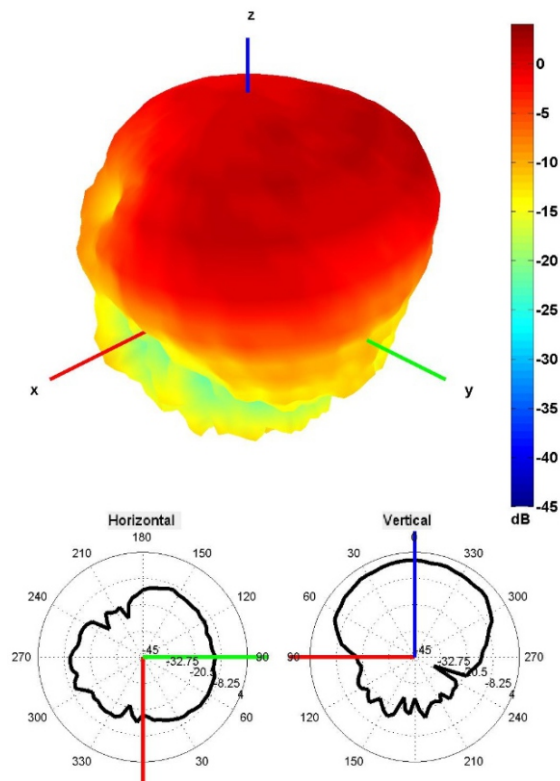


Cable 2: 2.4/5.0/6.0

6500 MHz Radiation pattern



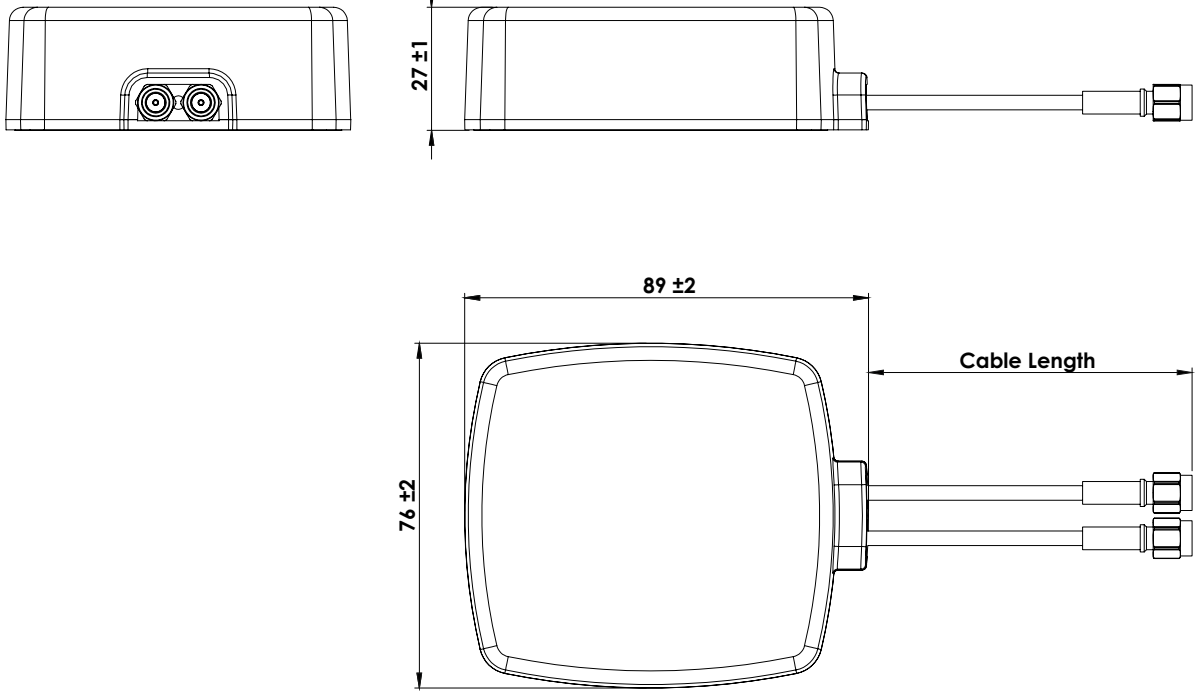
2450 and 5500 MHz Radiation pattern



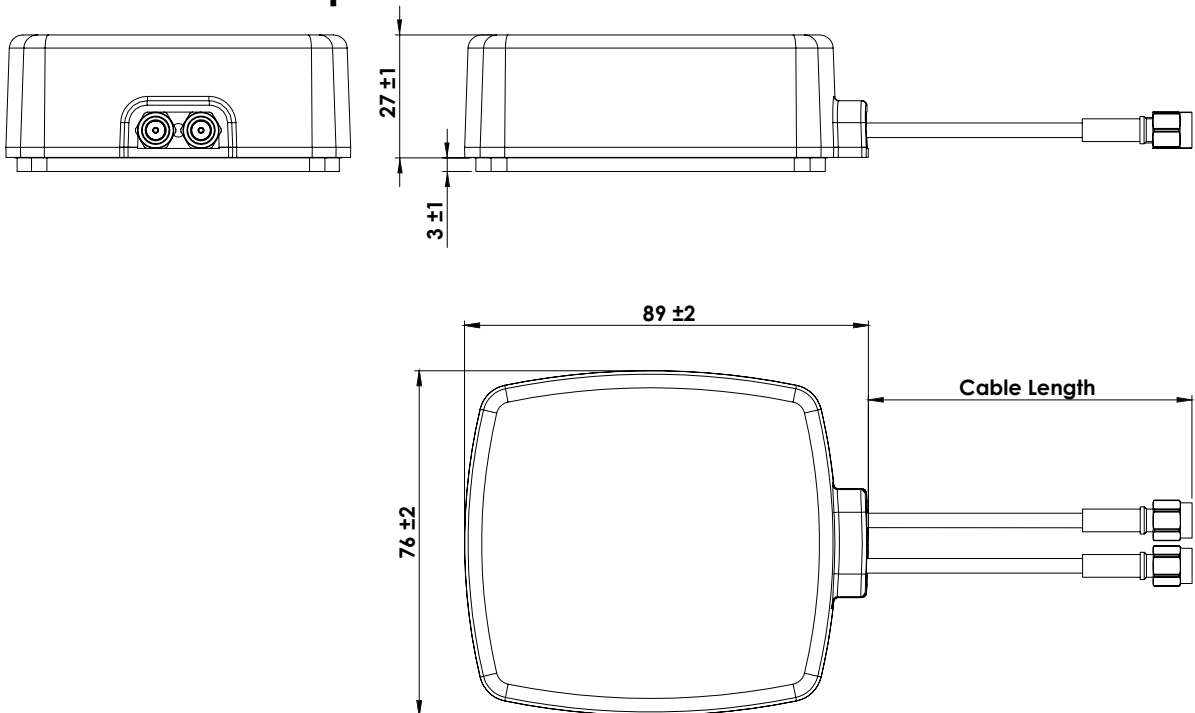
6500 MHz Radiation pattern

4. Antenna drawings

Magnetic Mount option



Adhesive Mount option



5. Antenna Images

