

2J4802Pa

2× 2.4/5.0/6.0 GHZ ISM MIMO Adhesive Mount

Key Features

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

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

Adhesive Mount

Ground Plane Independent

Customizable Cable and Connector

Dimensions 83 x 35 x 13.3 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)	~-21.9	~-16.0	~-13.5
VSWR	~1.2:1	~1.5:1	~1.6:1
Efficiency (%)	~50.1	~46.8	~45.1
Peak Gain (dBi)	~5.5	~6.2	~4.7
Average Gain (dB)	~-3.0	~-3.8	~-4.1
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	RP-SMA-Male Standard (Other Connectors Available)		
Cable Length	300 cm Standard (Any Cable Length Available)		
Cable Type	LL100 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)	~-18.4	~-13.2	~-10.9
VSWR	~1.3:1	~1.7:1	~2.0:1
Efficiency (%)	~50.3	~45.5	~40.4
Peak Gain (dBi)	~4.0	~6.1	~5.1
Average Gain (dB)	~-3.1	~-4.0	~-4.5
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	RP-SMA-Male Standard (Other Connectors Available)		
Cable Length	300 cm Standard (Any Cable Length Available)		
Cable Type	LL100 Standard (Other Cables Available)		

Antenna Measurement Conditions:

Mounted on 30 x 30 x 0.25 cm ABS Plate

100 cm of Cable LL100

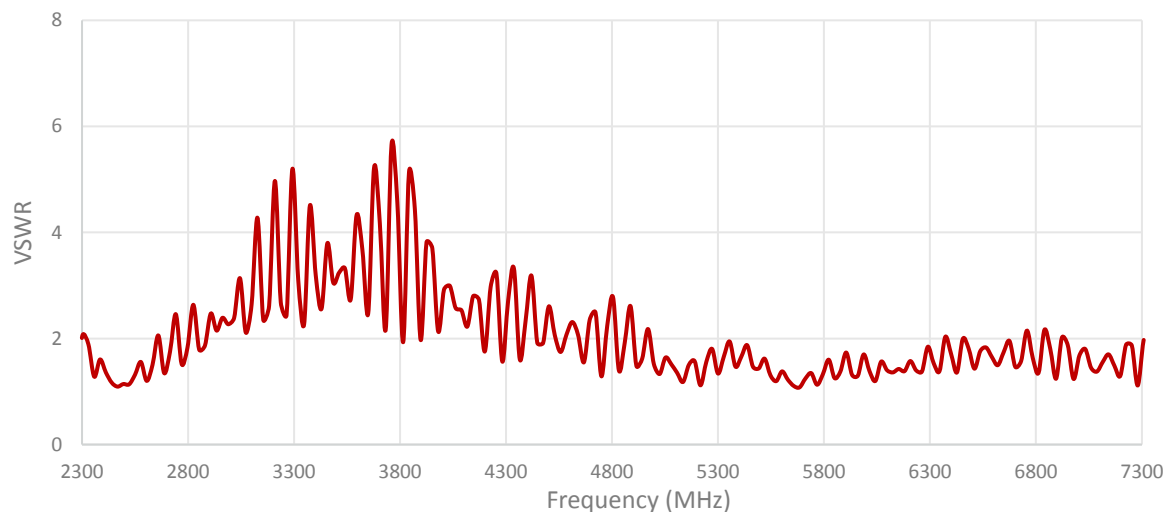
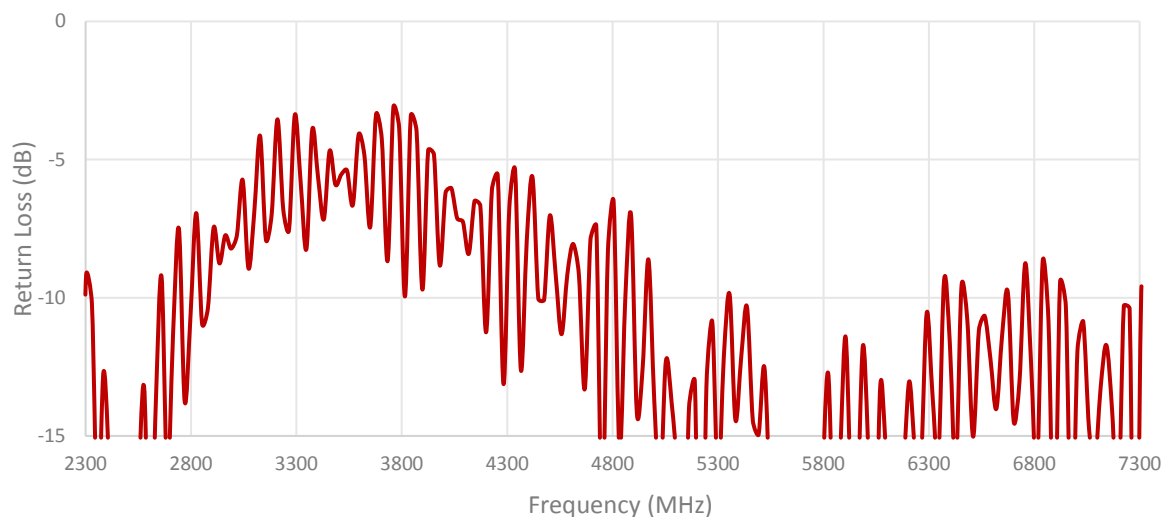
Measured in Certified CTIA 3D Anechoic Chamber

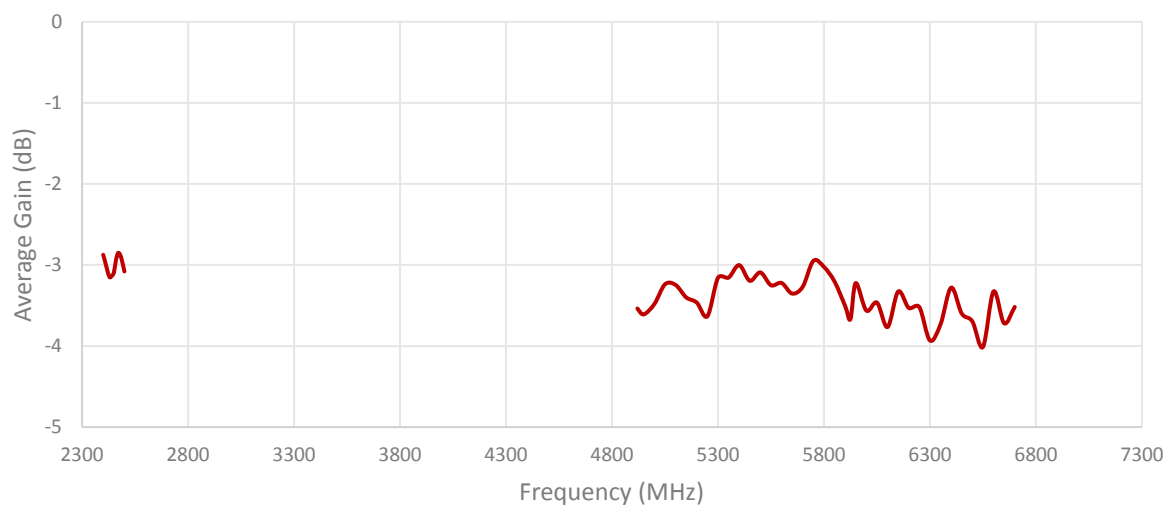
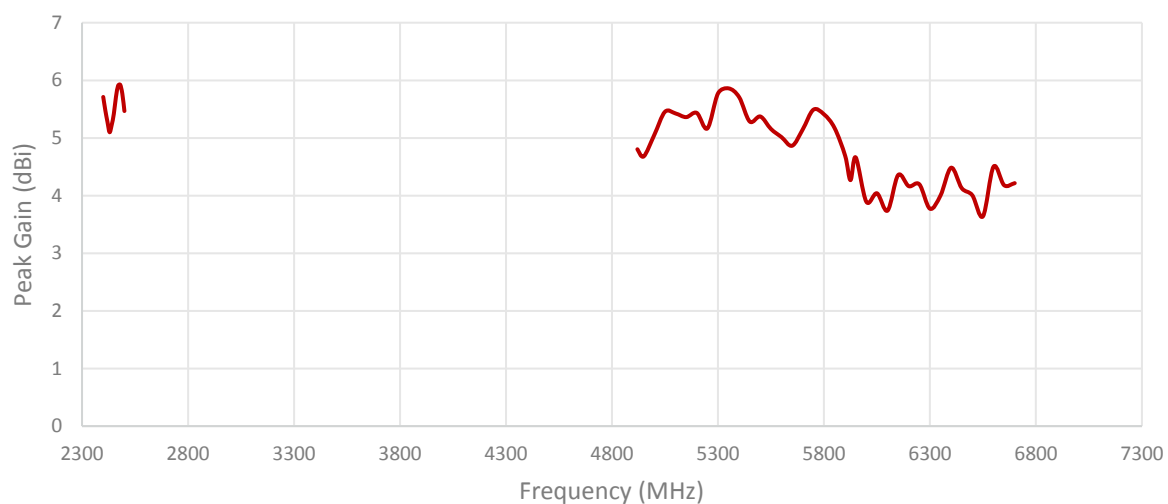
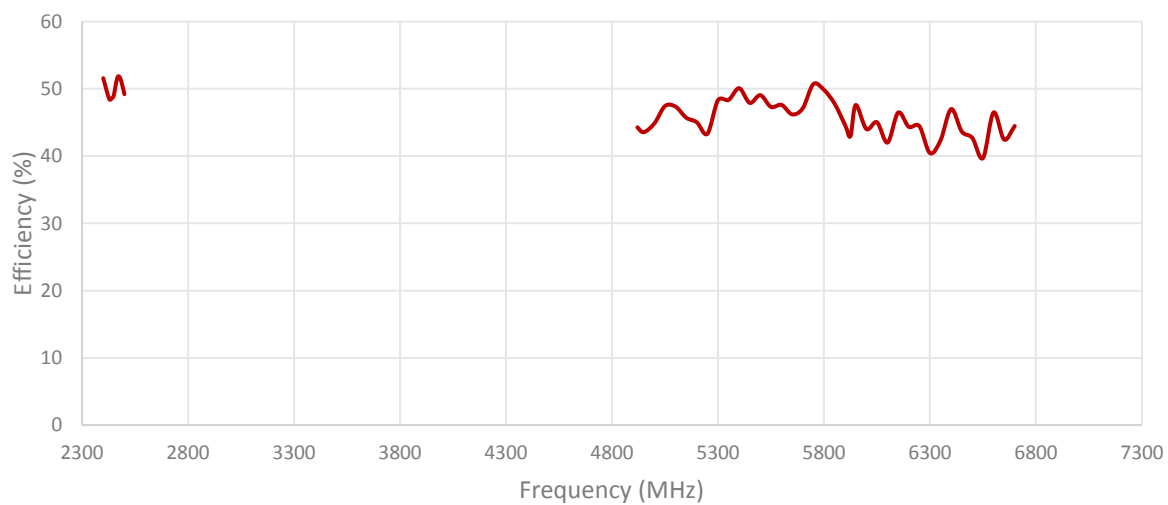
2. Mechanical and environmental specifications

Specifications	2J4802Pa
Mounting Type	Adhesive Mount
Dimensions (mm)	83 x 35 x 13.3
Radome	ASA
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69

3. Antenna parameters

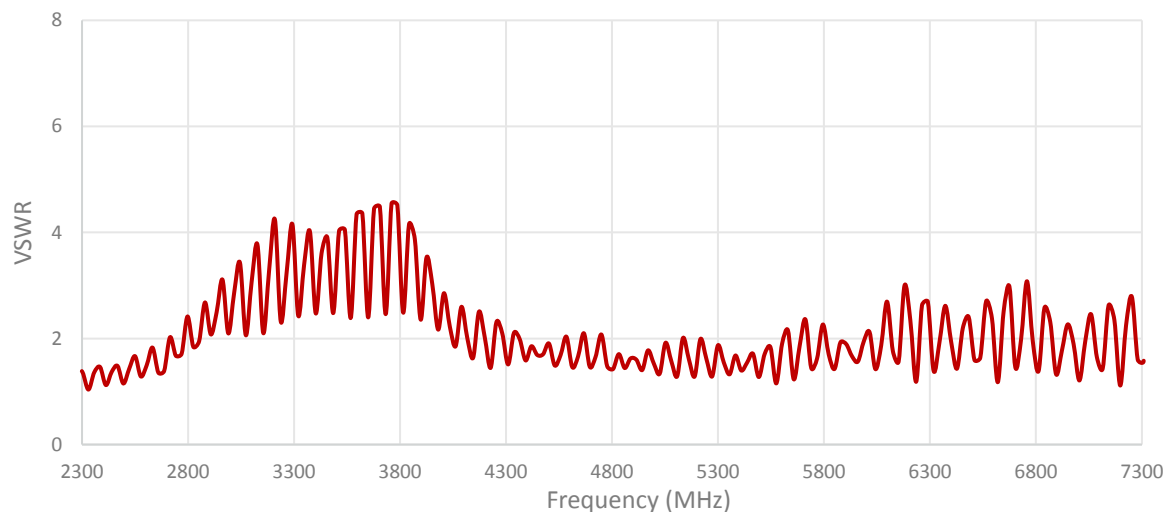
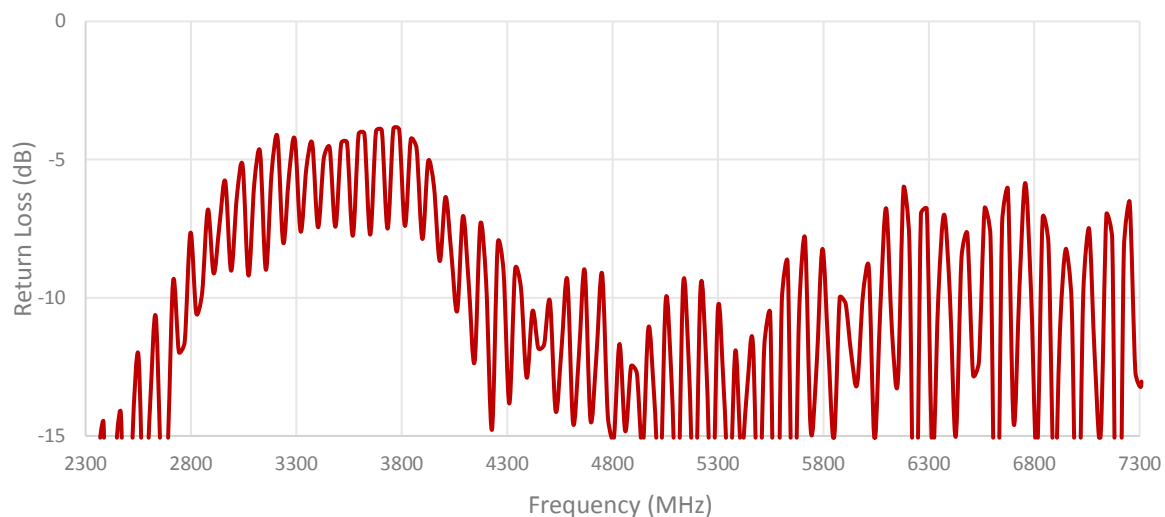
Cable 1: 2.4/5.0/6.0 GHz ISM

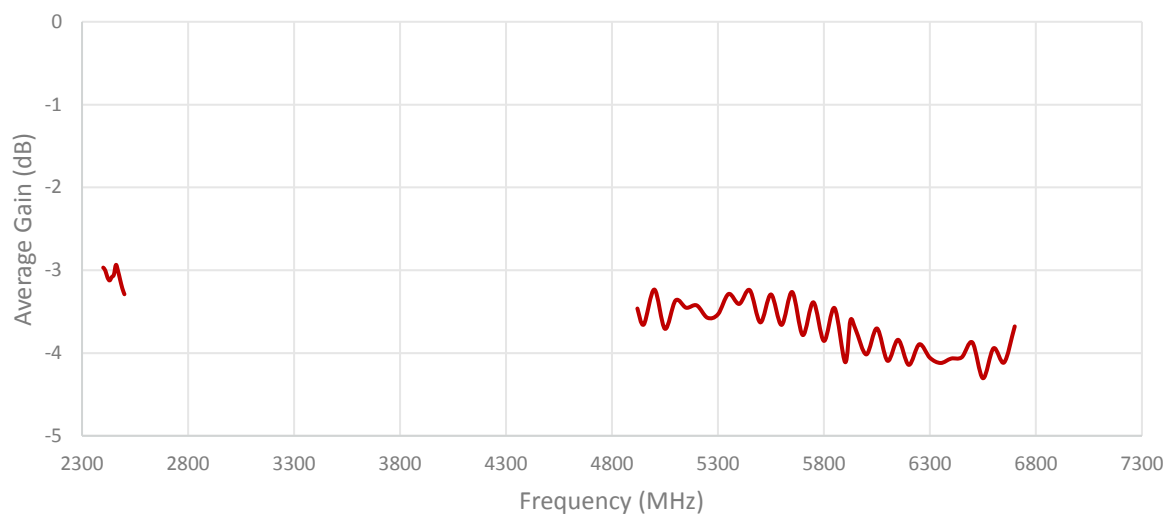
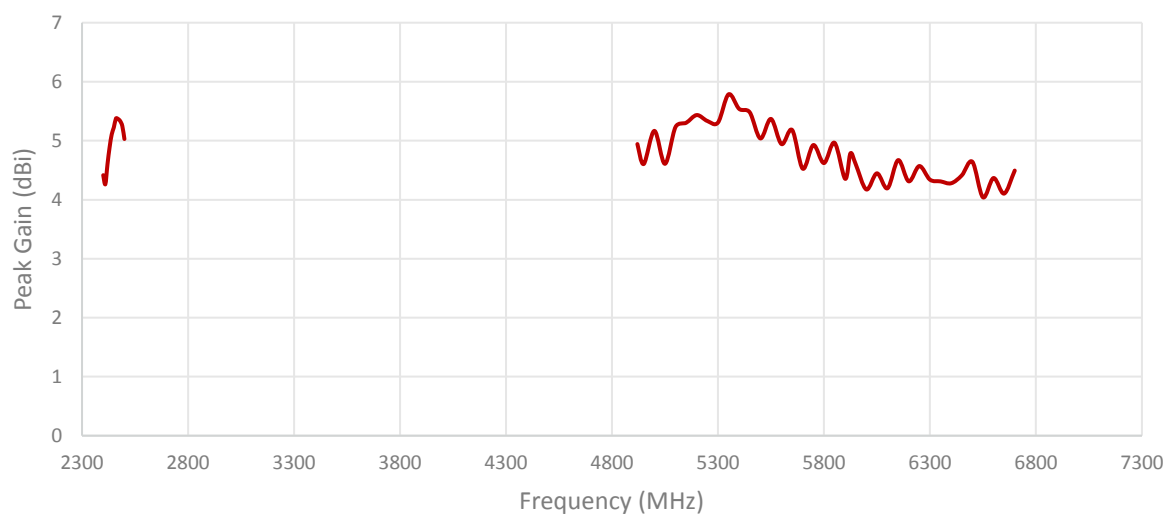
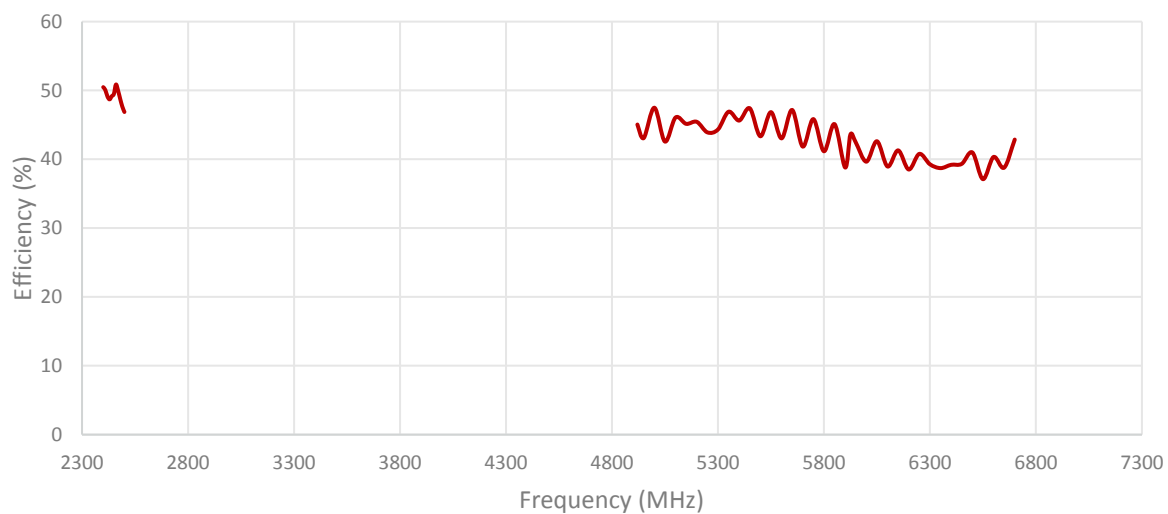




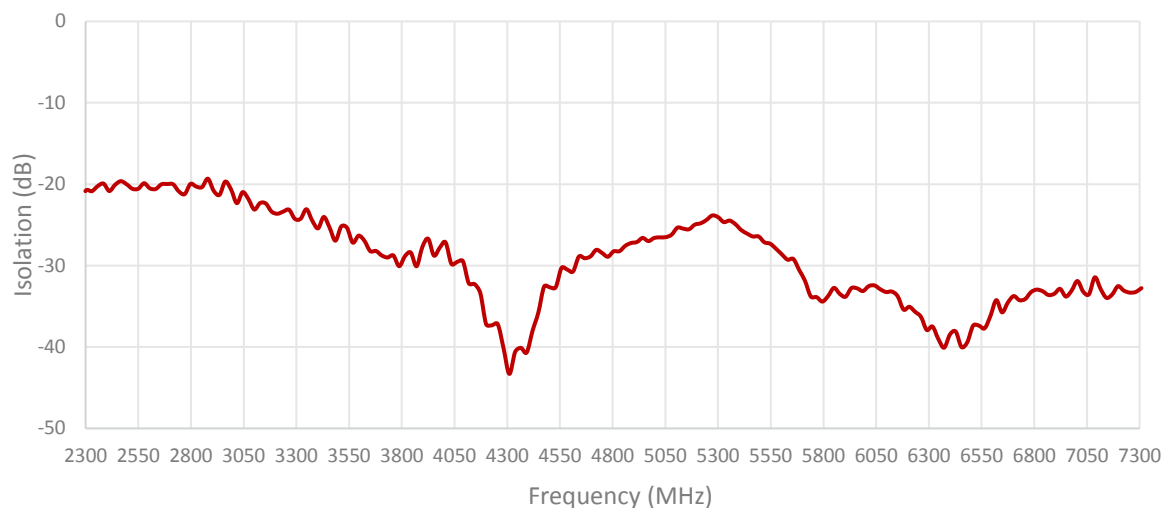
3. Antenna parameters

Table 2: 2.4/5.0/6.0 GHz ISM

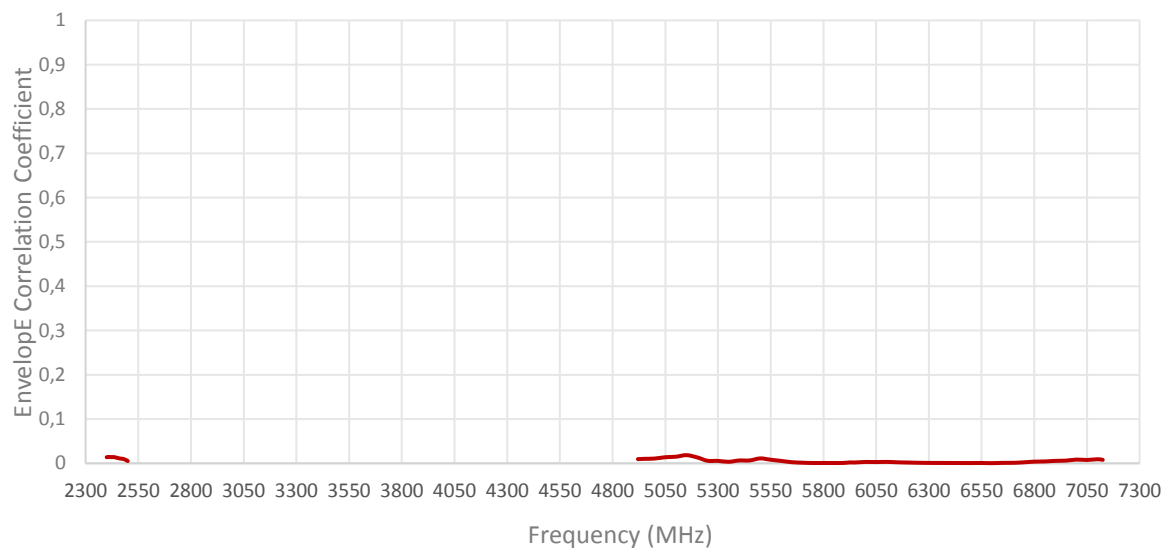


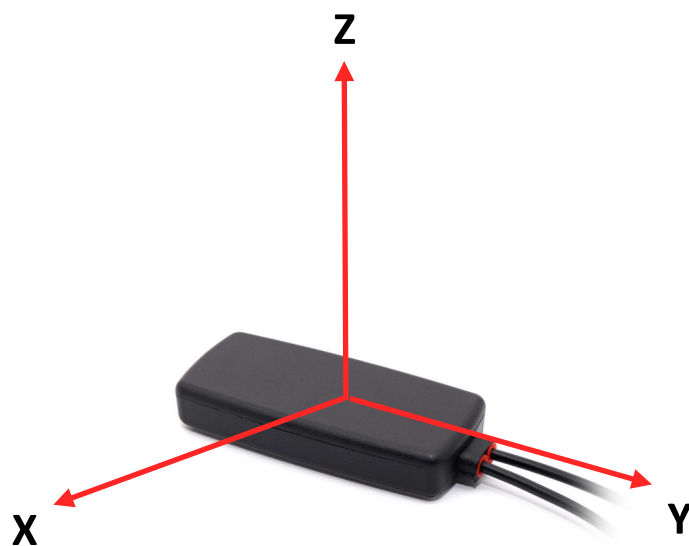


ISOLATION FOR CABLES 1 AND 2



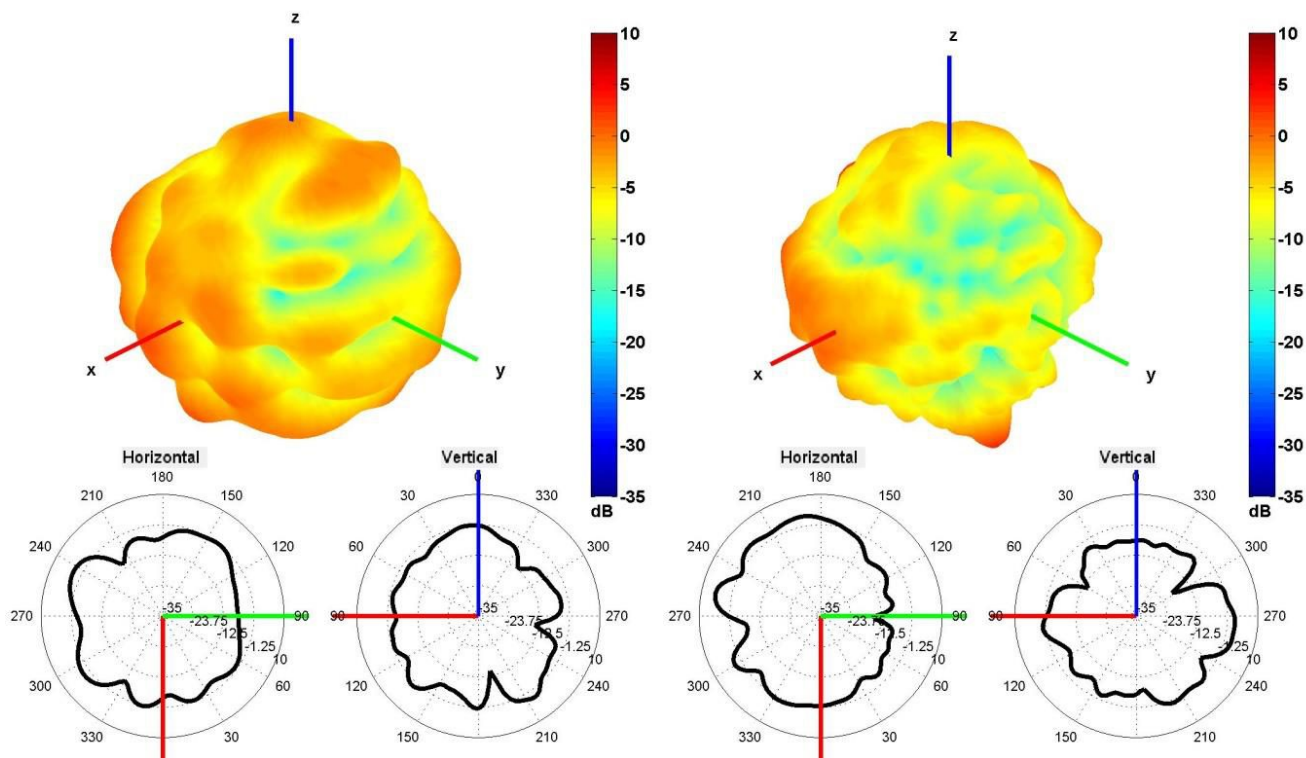
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2



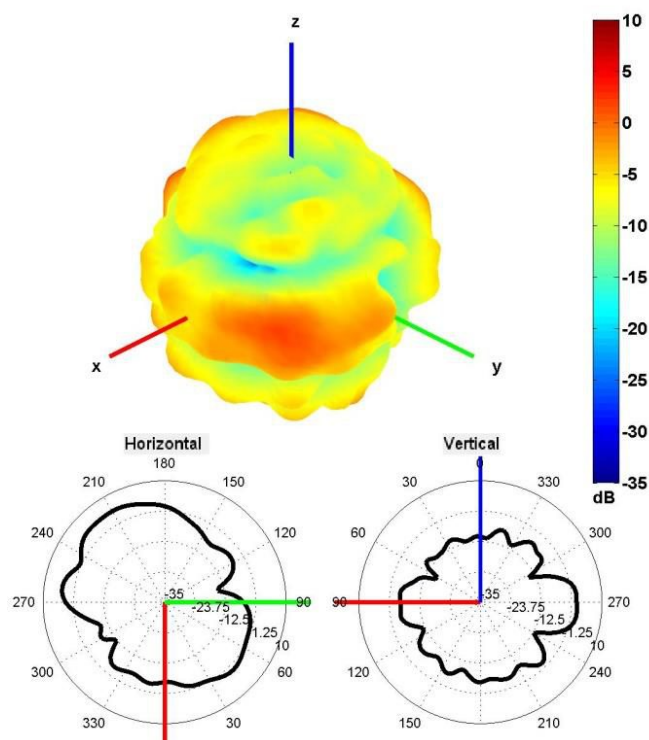


Radiation pattern reference

Cable 1: 2.4/5.0/6.0 GHz ISM

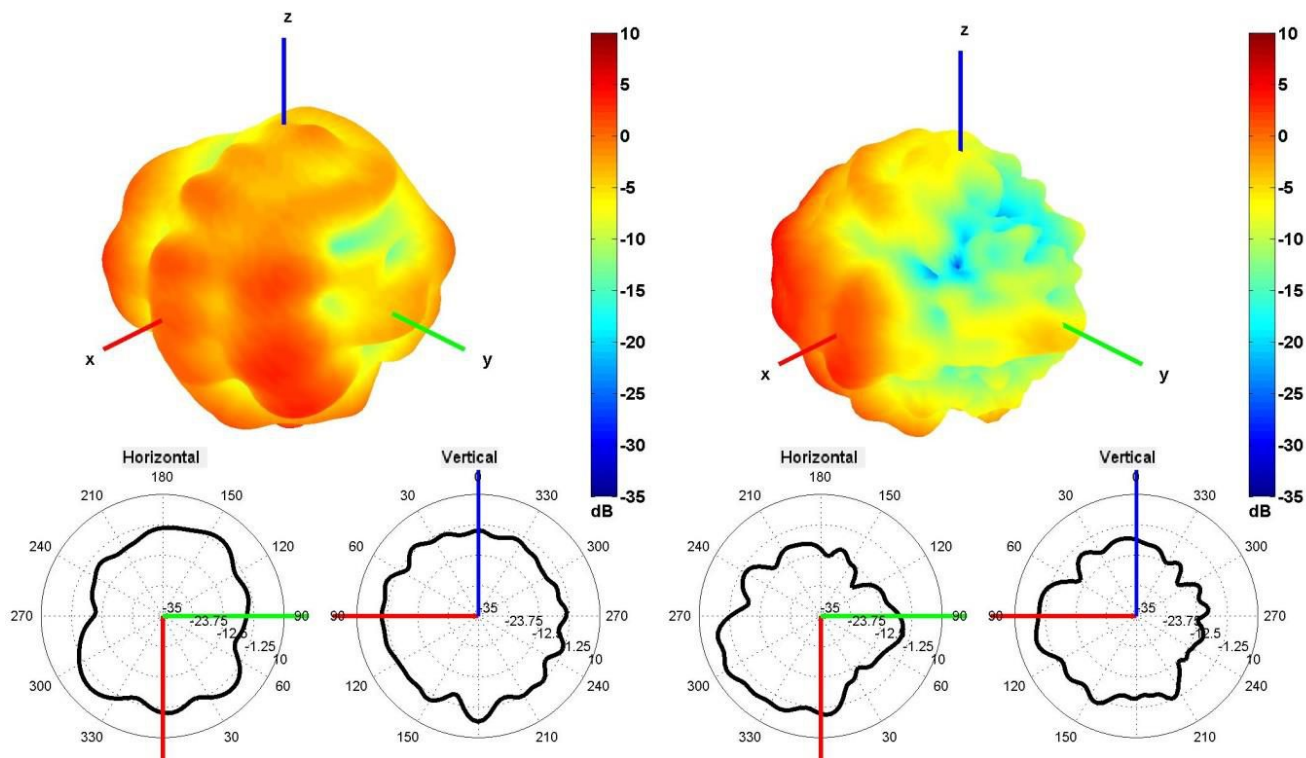


2450 and 5500 MHz Radiation pattern

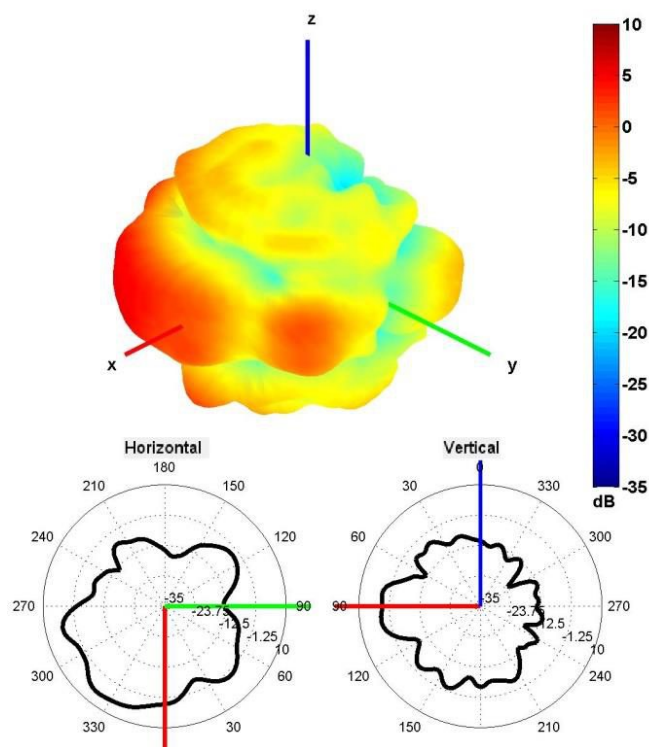


6500 MHz Radiation pattern

Cable 2: 2.4/5.0/6.0 GHz ISM

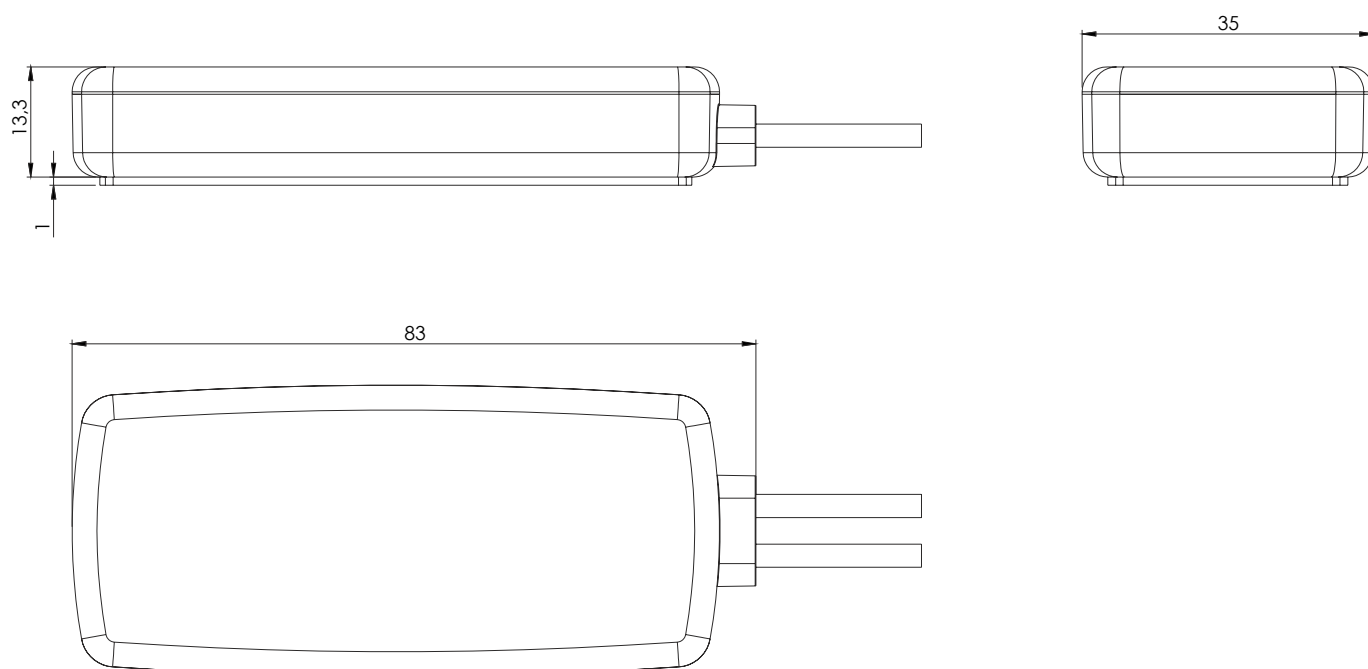


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings



5. Antenna Images

