

2J6602Ba-RB-SP

2× 2.4/5.0/6.0 GHz ISM MIMO Screw Mount

Key Features

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

- 2410-2490 MHz

- 4920-7125 MHz

Screw Mount

Low Profile

Anti-Rotation Mechanism

Ground Plane Independent

Customizable Cable and Connector

Dimensions Ø 69 × 15 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)	2.4GHz	5.0 GHz	6.0GHz
Frequency (MHz)	2410-2490	4920-5925	5925-7125
Return Loss (dB)	~-14.1	~-12.0	~-11.35
VSWR	~1.5:1	~1.9:1	~1.6:1
Efficiency (%)	~28.9	~41.9	~42.1
Peak Gain (dBi)	~2.0	~3.5	~3.6
Average Gain (dB)	~-5.4	~-3.8	~-3.7
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)	~-15.2	~-11.8	~-11.4
VSWR	~1.4:1	~1.9:1	~1.8:1
Efficiency (%)	~30.0	~47.7	~49.8
Peak Gain (dBi)	~2.2	~3.6	~3.6
Average Gain (dB)	~-5.2	~-3.2	~-3.1
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 Ground Plane of 30x30 cm

100 cm of D302 Cable

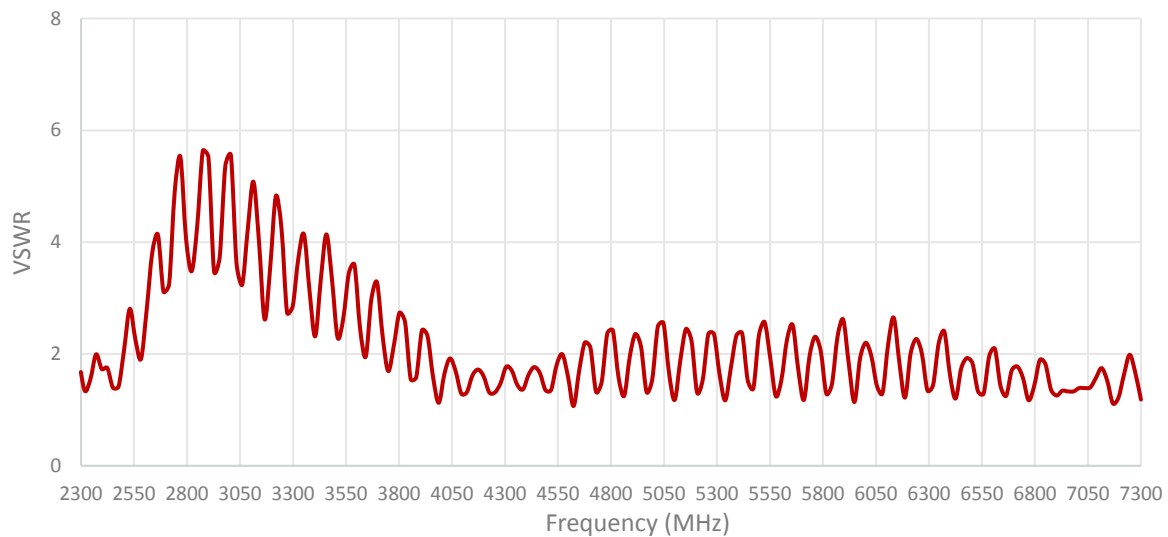
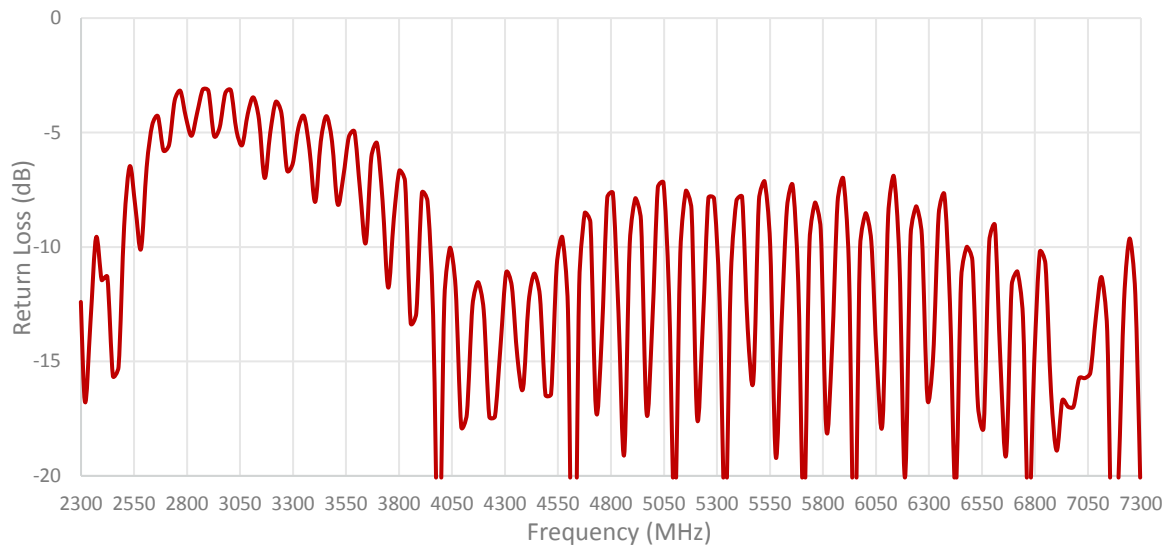
Measured in Certified CTIA 3D Anechoic Chamber

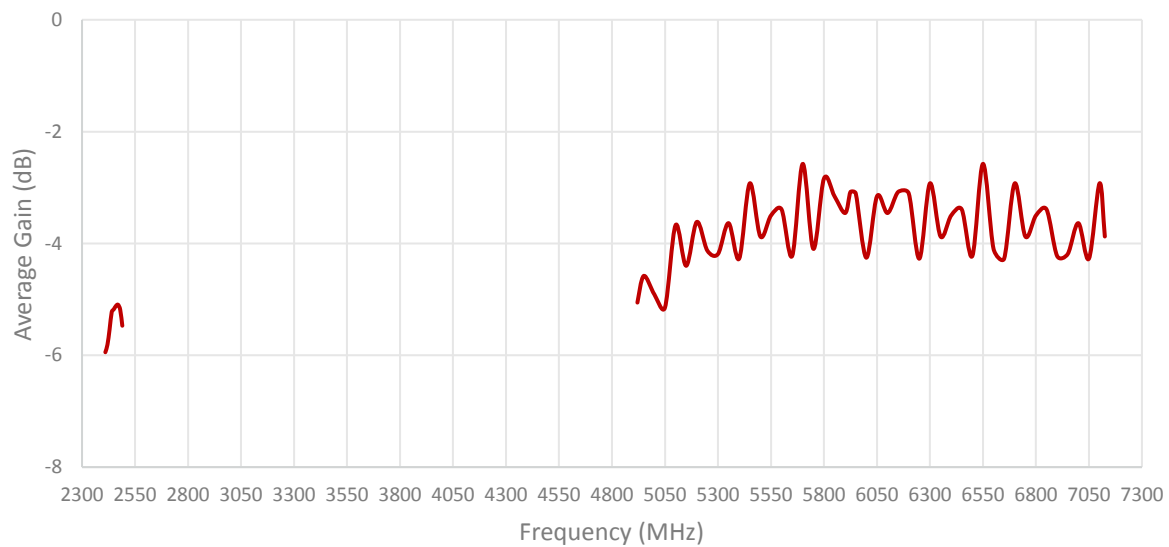
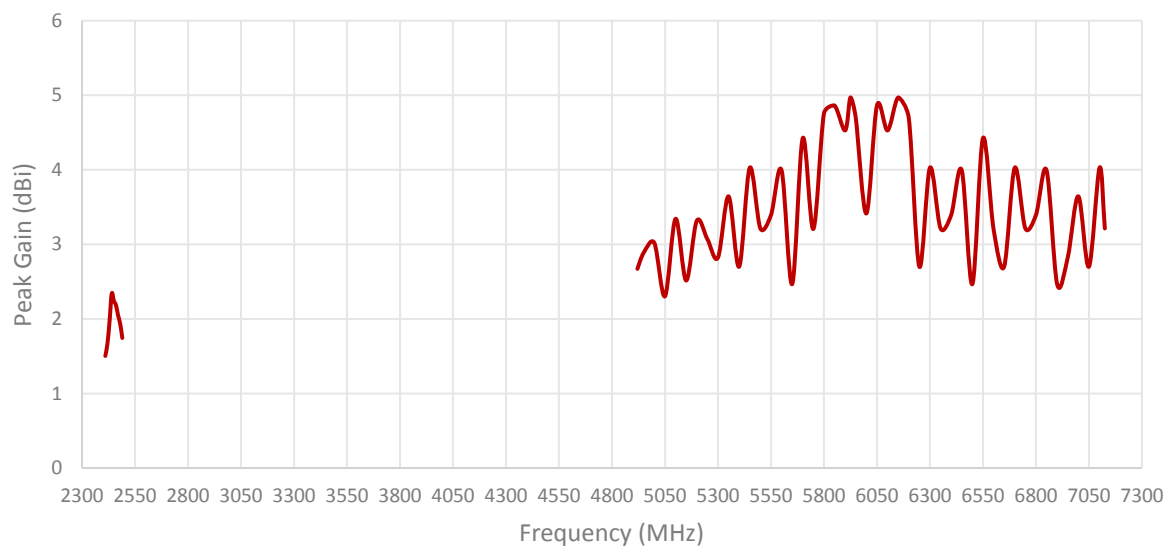
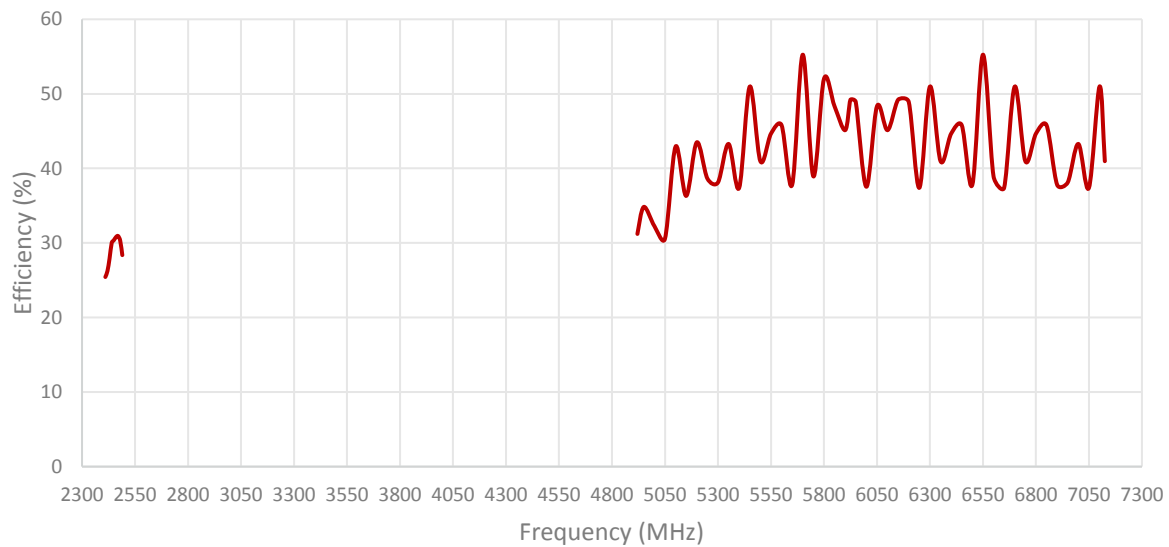
2. Mechanical and environmental specifications

Specifications	2J6602Ba-RB-SP
Mounting Type	Screw Mount
Dimensions (mm)	Ø 69 × 15
Mounting Torque (Nm)	6 Nm
Radome	ASA
Radome color	Black or White
Antenna Base	Zamak
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69K

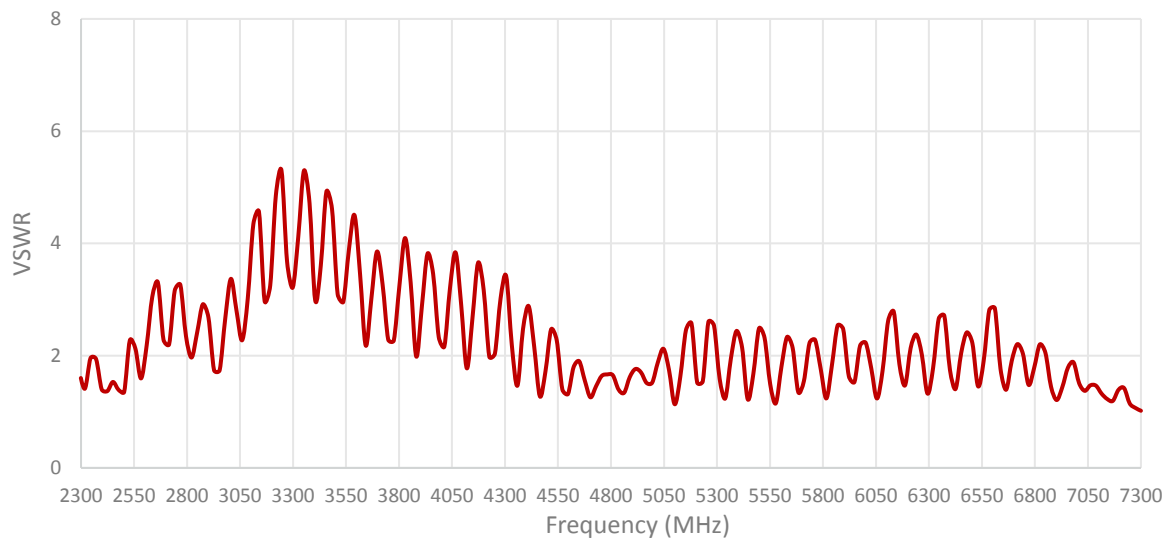
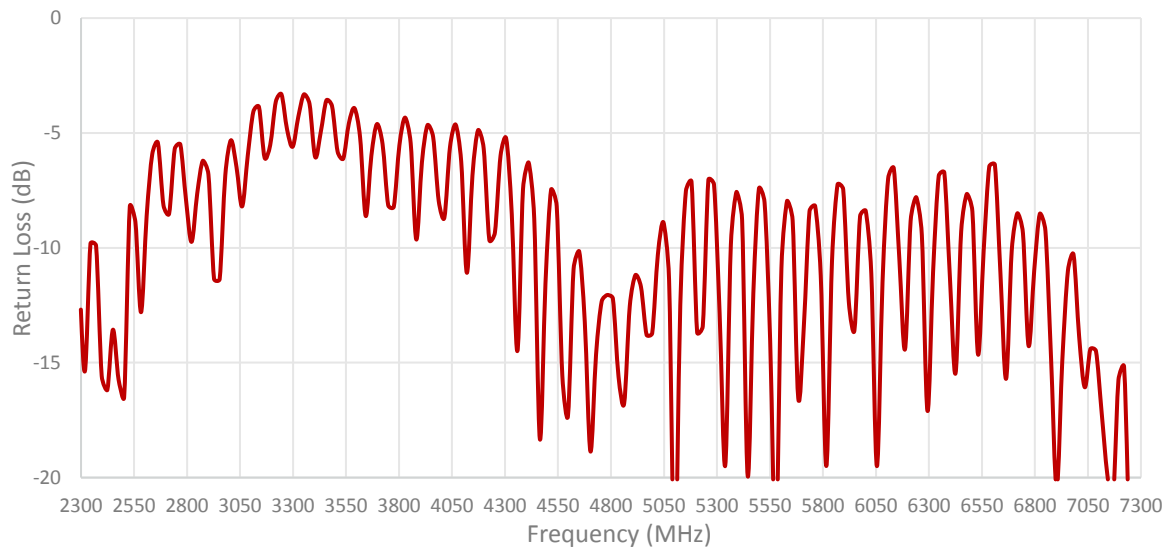
3. Antenna parameters

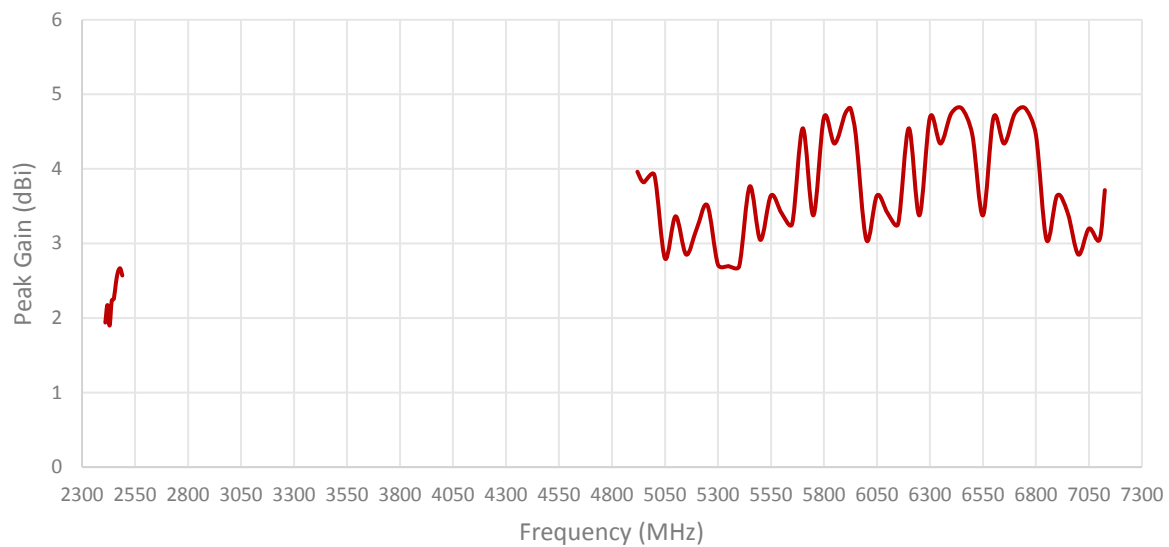
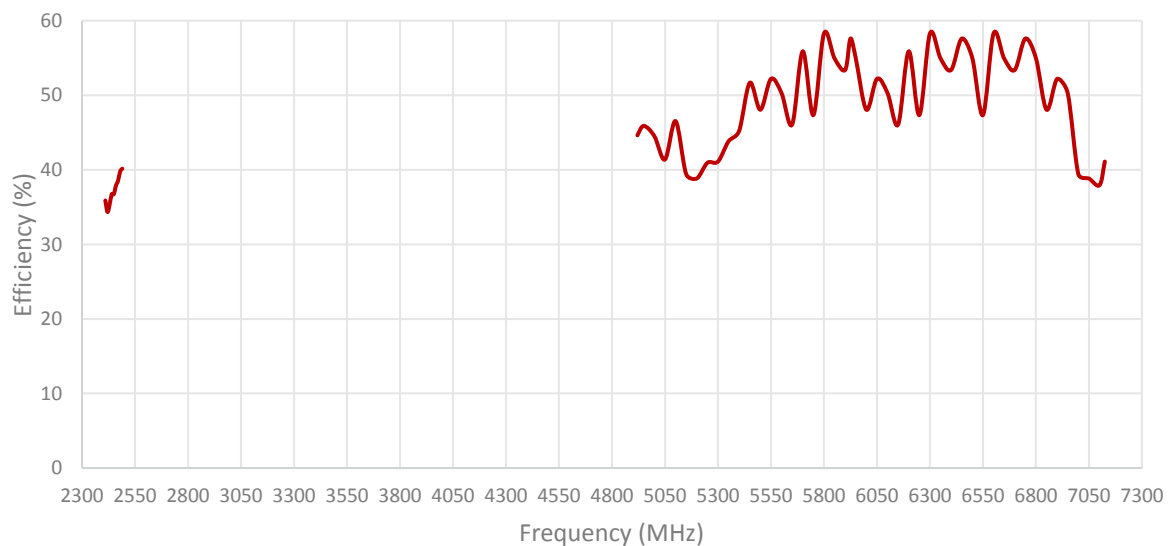
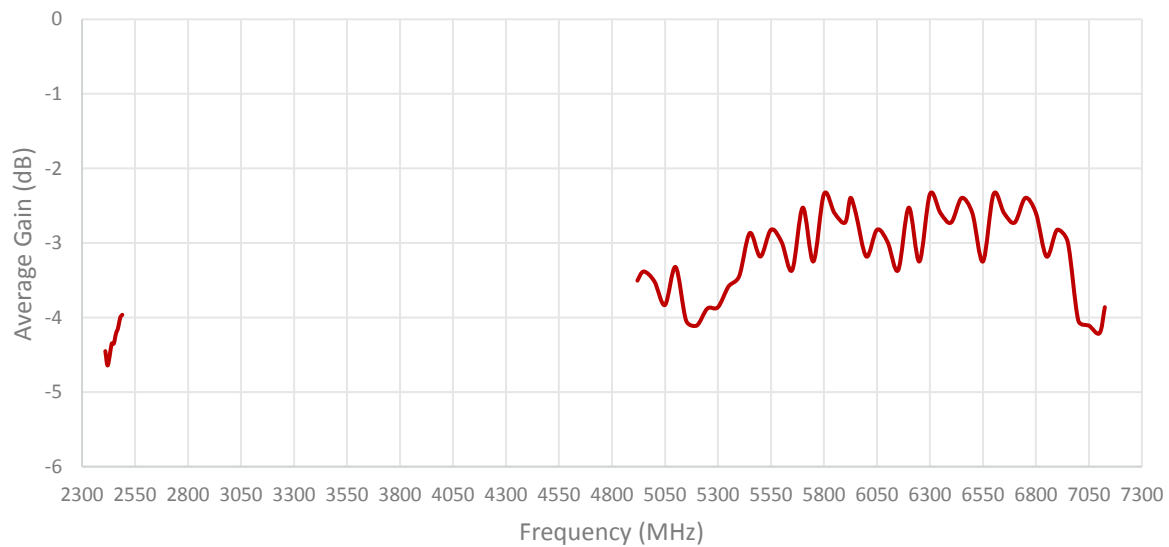
Cable 1: 2.4/5.0/6.0 GHz ISM



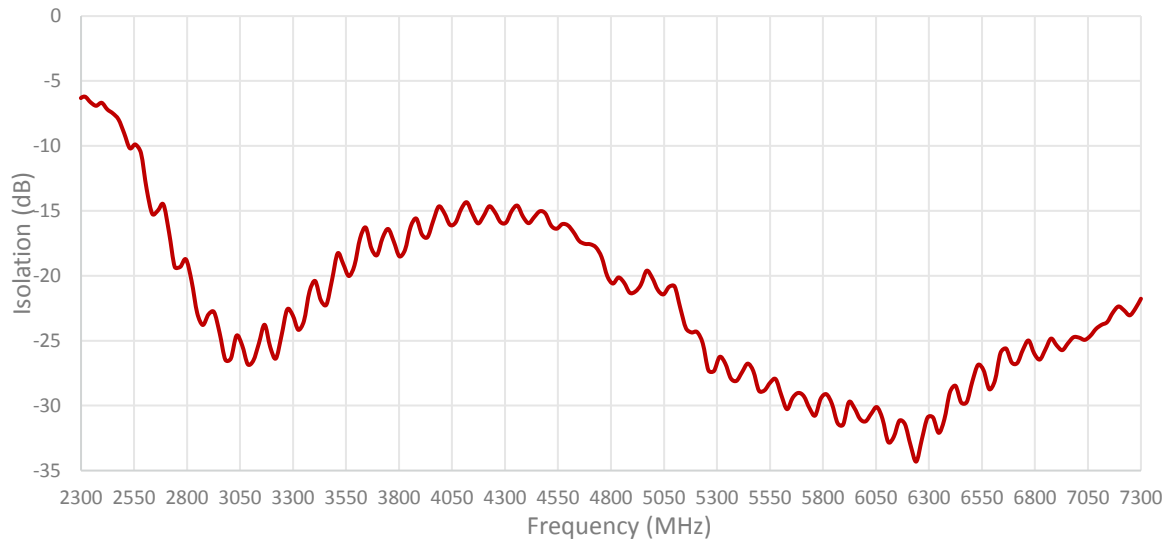


Cable 2: 2.4/5.0/6.0 GHz ISM

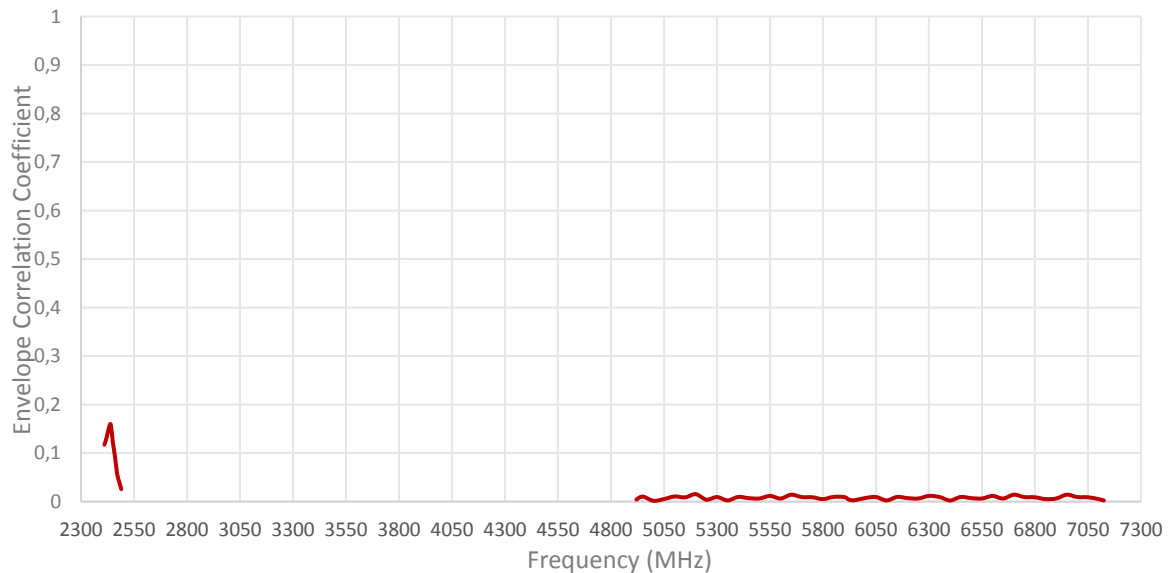


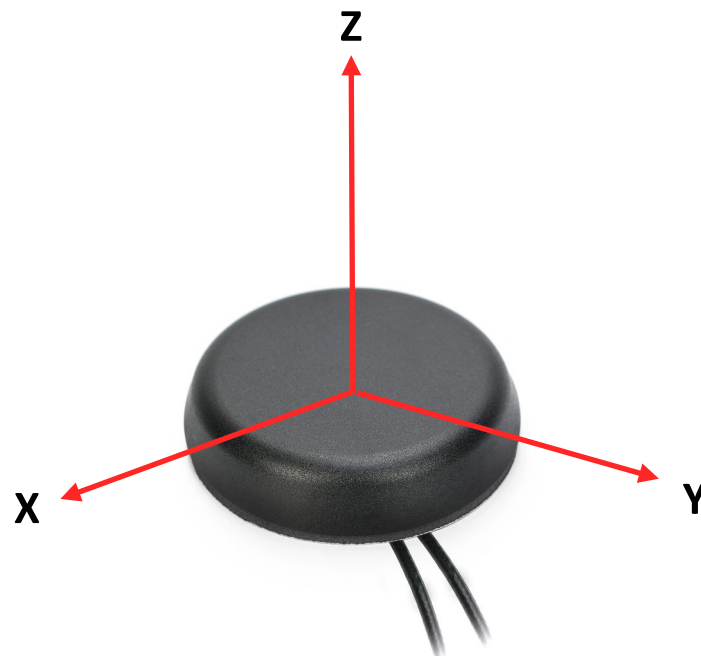


ISOLATION FOR CABLES 1 AND 2



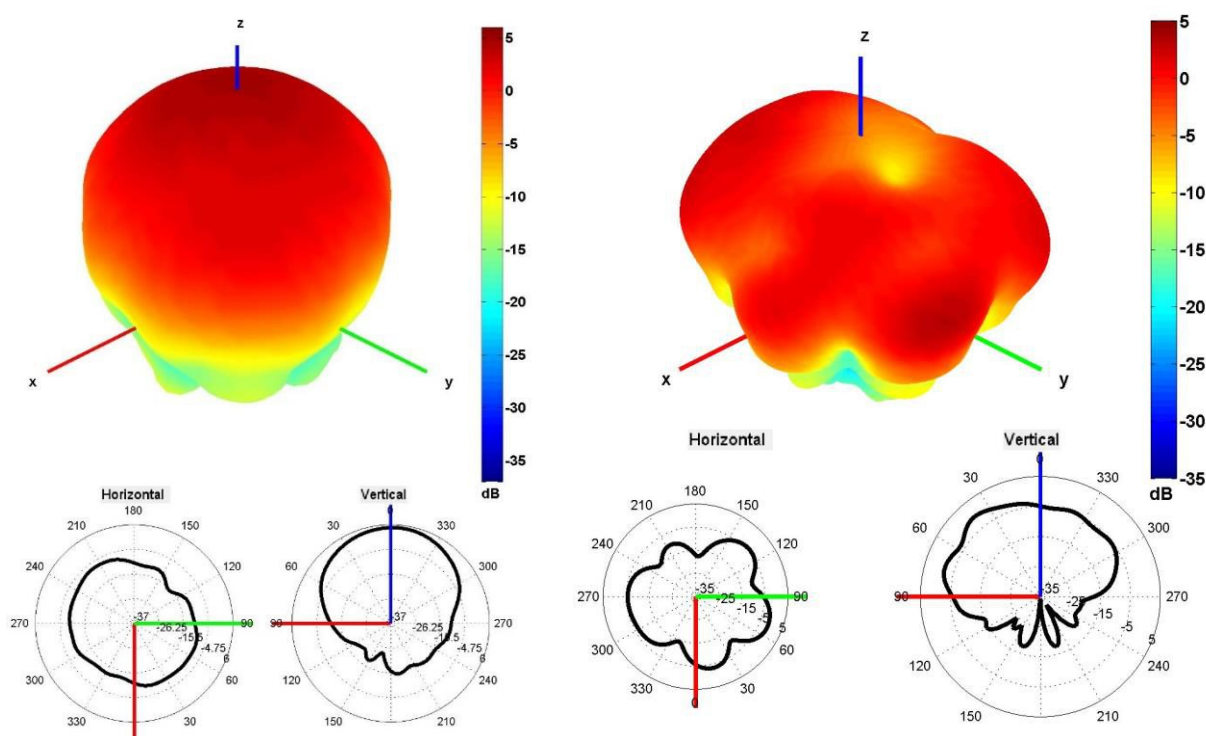
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2



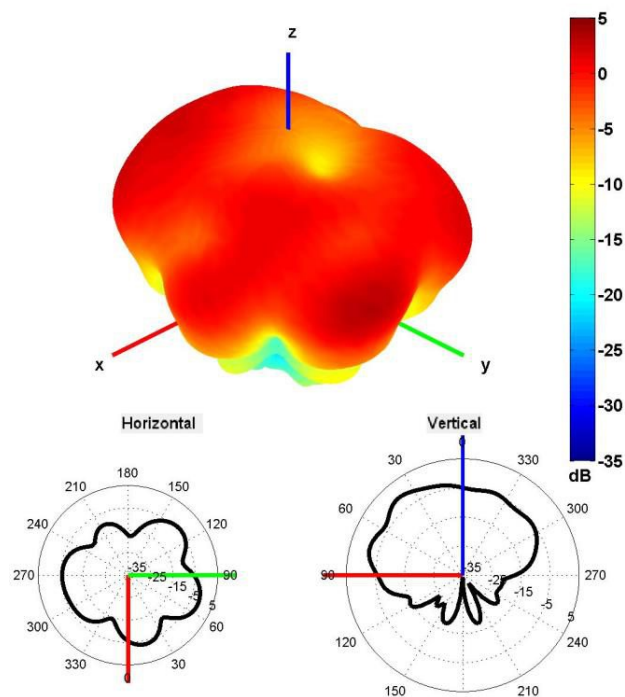


Radiation pattern reference

Cable 1: 2.4/5.0/6.0 GHz ISM

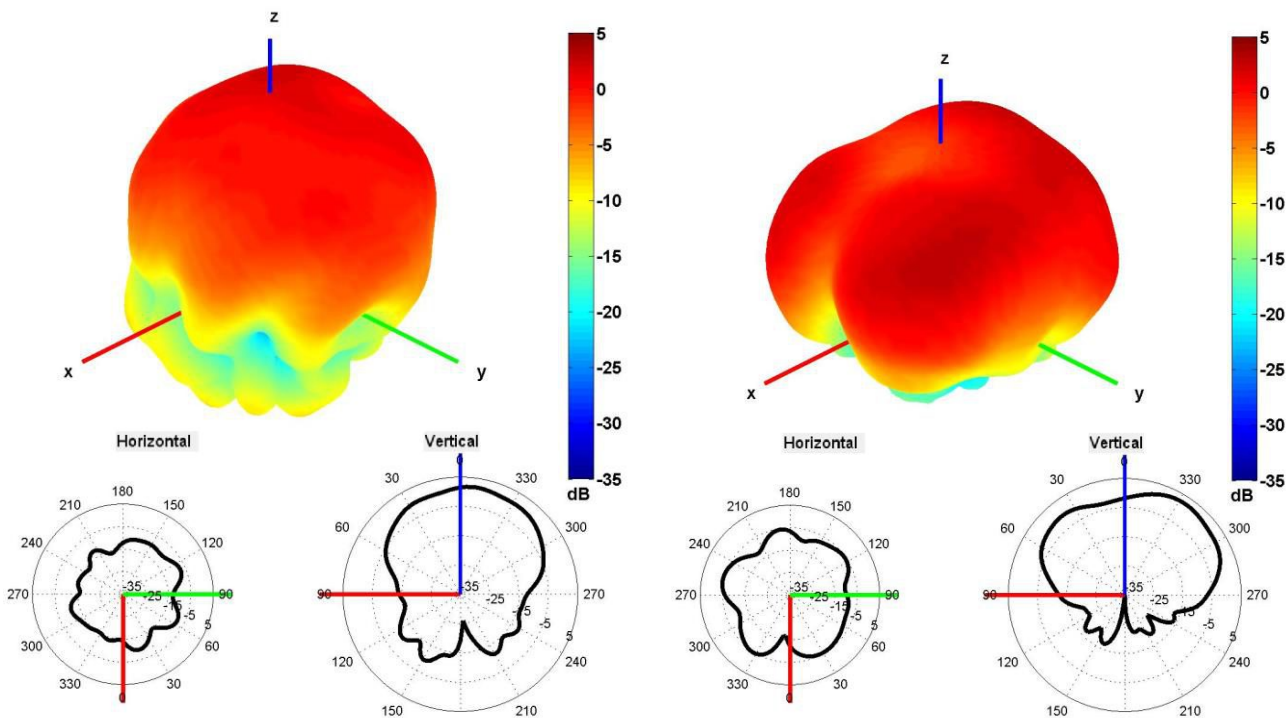


2450 and 5500 MHz Radiation pattern

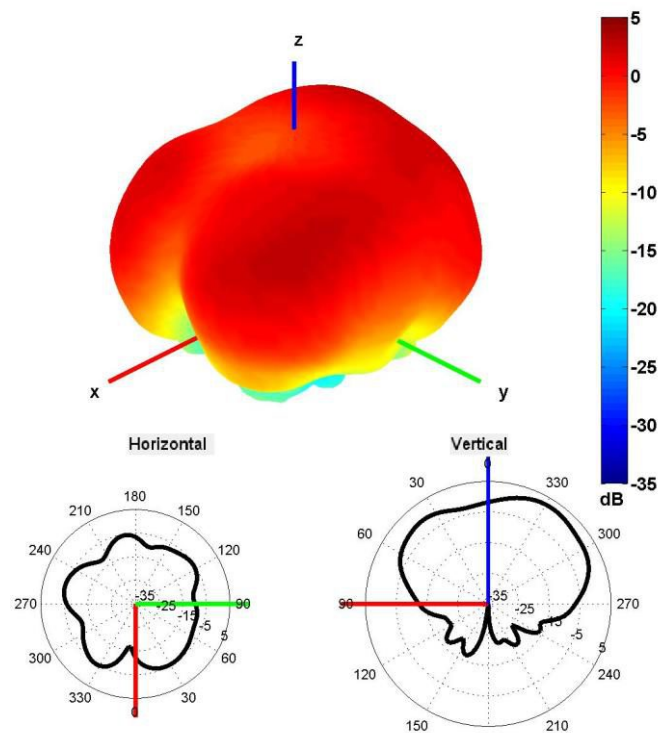


6500 MHz Radiation pattern

Cable 2: 2.4/5.0/6.0 GHz ISM

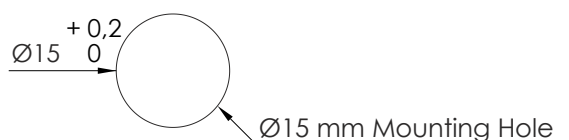
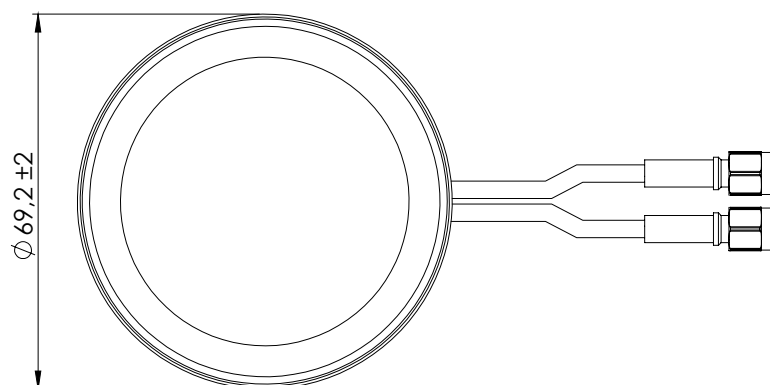
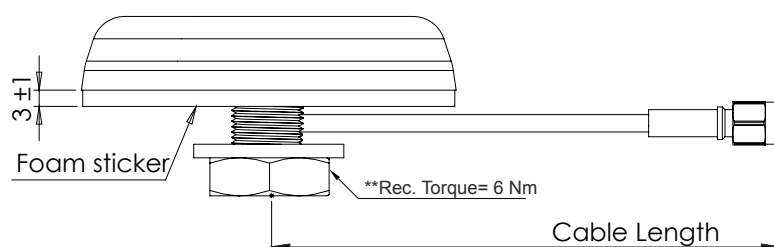
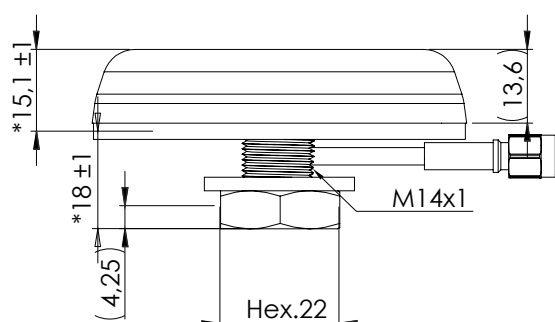


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

4. Antenna drawings



Note: Dimensions are in millimeters
***Dimensions are after mounting**
Surface thickness Max. 8mm
****Recommended Torque= 6 Nm**

5. Antenna Images

