

AMC-ANT-2J6702Ba

2.4/5.0GHz ISM MIMO screw mount antenna

Features

- Cable 1: 2.4/5.0GHz ISM
 - 2410 – 2490MHz
 - 4920 – 5925MHz
- Cable 2: 2.4/5.0GHz ISM
 - 2410 – 2490MHz
 - 4920 – 5925MHz
- Screw mount
- Anti-rotation mechanism
- Ground plane dependent
- Certificates: IP67, IP69K (IK09 and IK10 optional)
- Dimensions: 77.3 x 36.5mm



1. Antenna and electrical specifications

Cable 1

Parameters	2.4/5.0GHz Antenna	
Standards	Wi-Fi, Bluetooth, ZigBee, ISM	
Band (GHz)	2.4	5.0
Frequency (MHz)	2410 - 2490	4920 - 5925
Return Loss (dB)	~-12.4	~-13.4
VSWR	~1.7:1	~1.6:1
Efficiency (%)	~40.6	~21.8
Peak Gain (dBic)	~1.9	~1.6
Average Gain (dB)	~-3.9	~-6.7
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation Pattern	Omni-directional	
Max. Input Power (W)	25	
Connector Type	RP-SMA male standard (other connectors available)	
Cable Length	300cm standard (other lengths available)	
Cable Type	DACAR 302 standard (other cables available)	



Cable 2

Parameters	2.4/5.0GHz Antenna	
Standards	Wi-Fi, Bluetooth, ZigBee, ISM	
Band (GHz)	2.4	5.0
Frequency (MHz)	2410 - 2490	4920 - 5925
Return Loss (dB)	~-11.5	~-13.5
VSWR	~1.7:1	~1.6:1
Efficiency (%)	~40.9	~19.5
Peak Gain (dBic)	~1.8	~1.3
Average Gain (dB)	~-3.9	~-7.2
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation Pattern	Omni-directional	
Max. Input Power (W)	25	
Connector Type	RP-SMA male standard (other connectors available)	
Cable Length	300cm standard (other lengths available)	
Cable Type	DACAR 302 standard (other cables available)	

Measurement conditions:

- Mounted on 30 x 30cm metal plate
- 200cm DACAR 302 cable
- Measured in certified CTIA 3D anechoic chamber

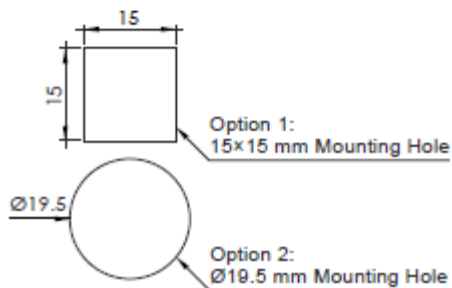
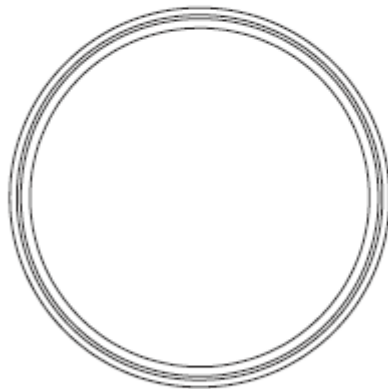
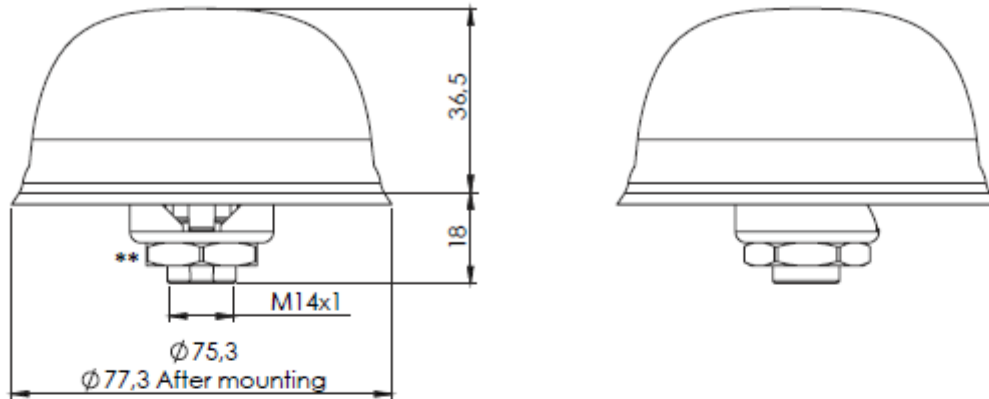


2. Mechanical and environmental specifications

Mounting Type	Screw mount
Dimensions (mm)	Ø 77.3 x 36.5
Max. Tighten Torque (Nm)	6
Radome	ABS
Colour	Black
Gasket	TPE
Antenna Base	Zamak
Operating Temperature (°C)	-40 to +85
Storage Temperature (°C)	-40 to +85
Certificates	IP67, IP69K (IK09 and IK10 optional)
Substance Compliance	RoHS



3. Antenna drawings

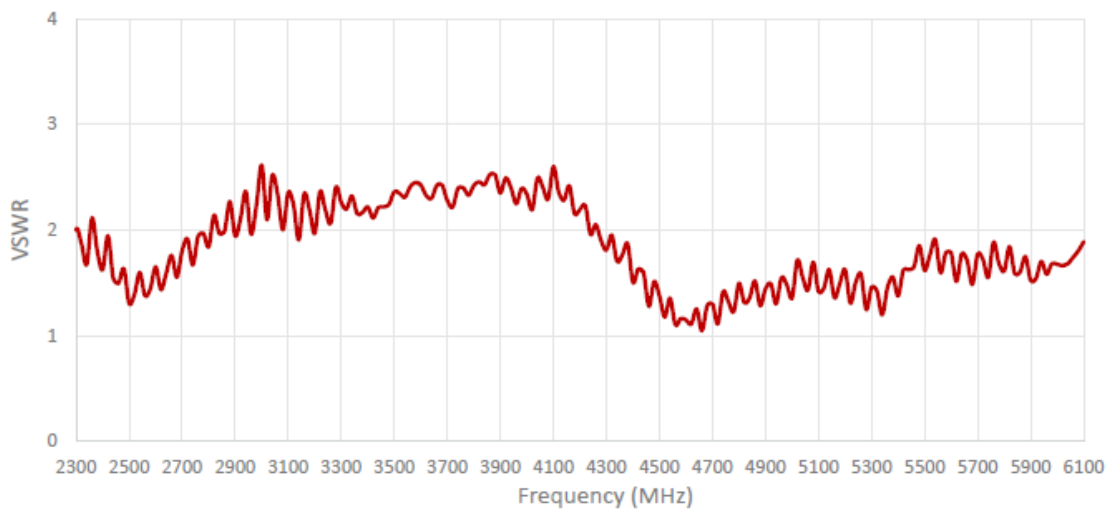
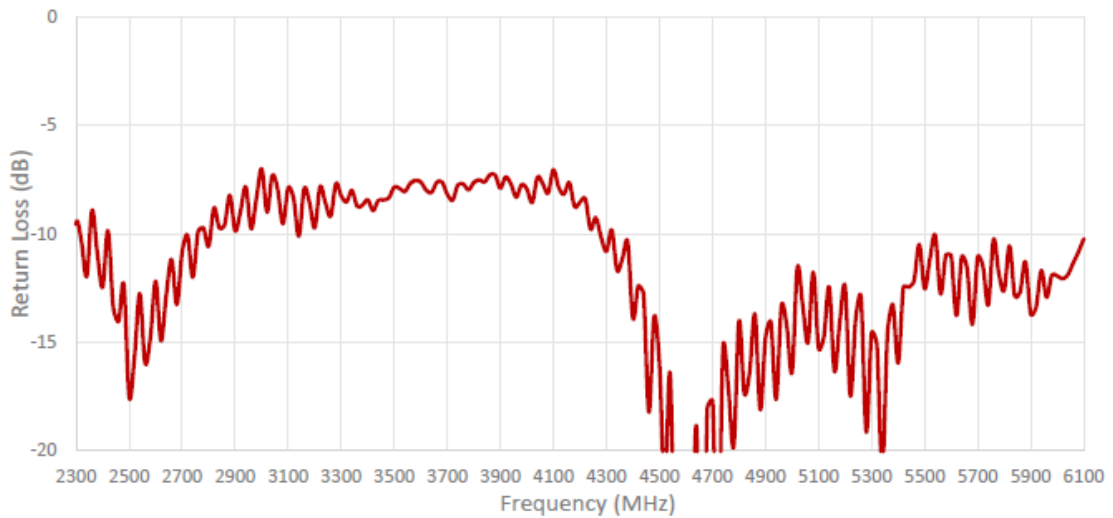


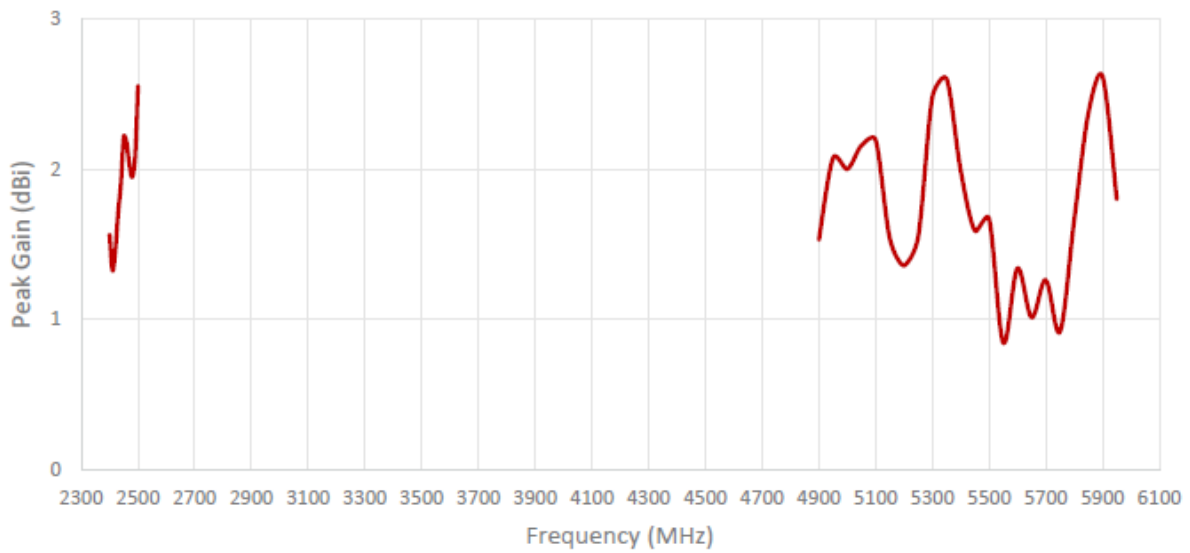
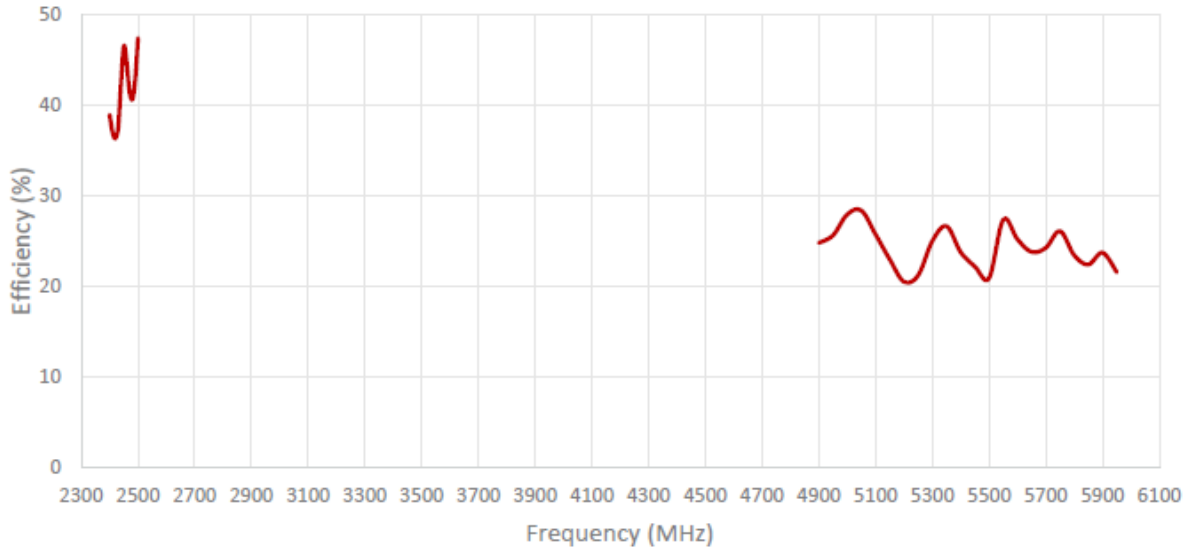
Note: Dimensions are in millimeters
*Dimensions are after mounting
**Max. Torque= 6 Nm



4. Antenna parameters

Cable 1: 2.4/5.0 GHz ISM





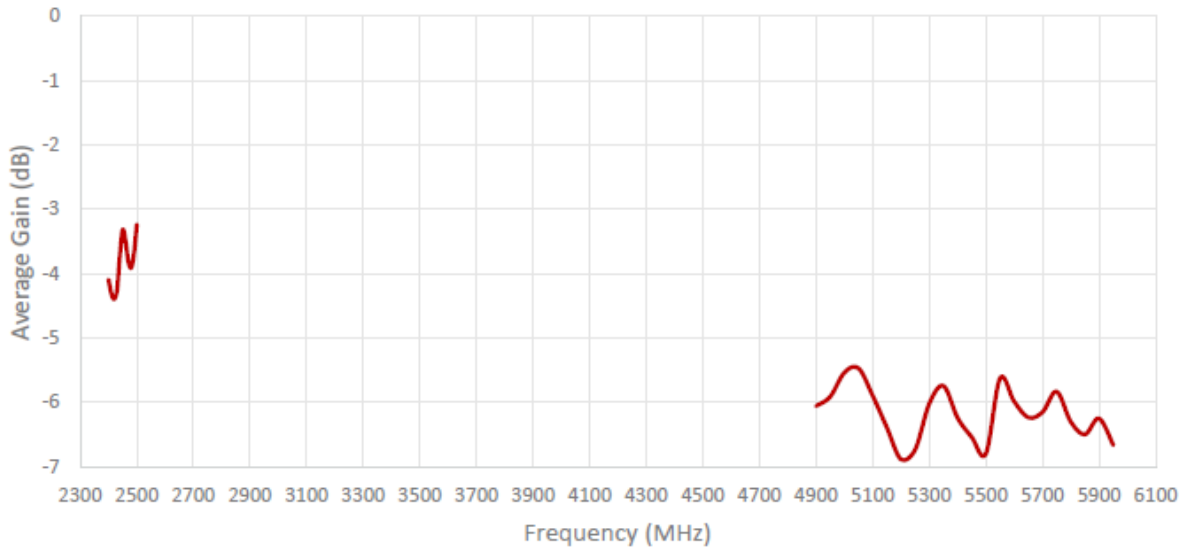
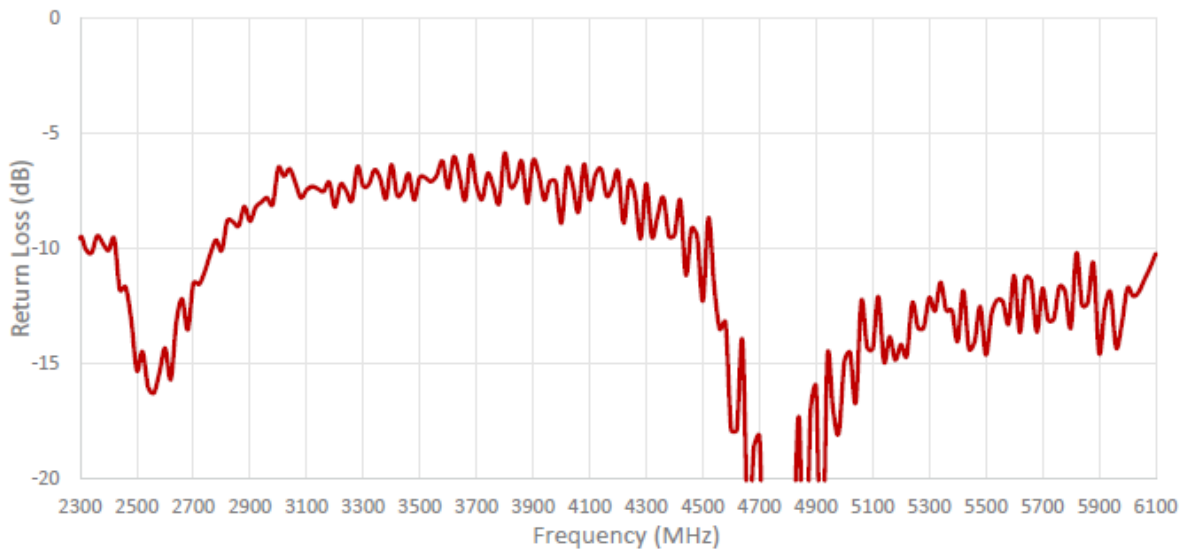
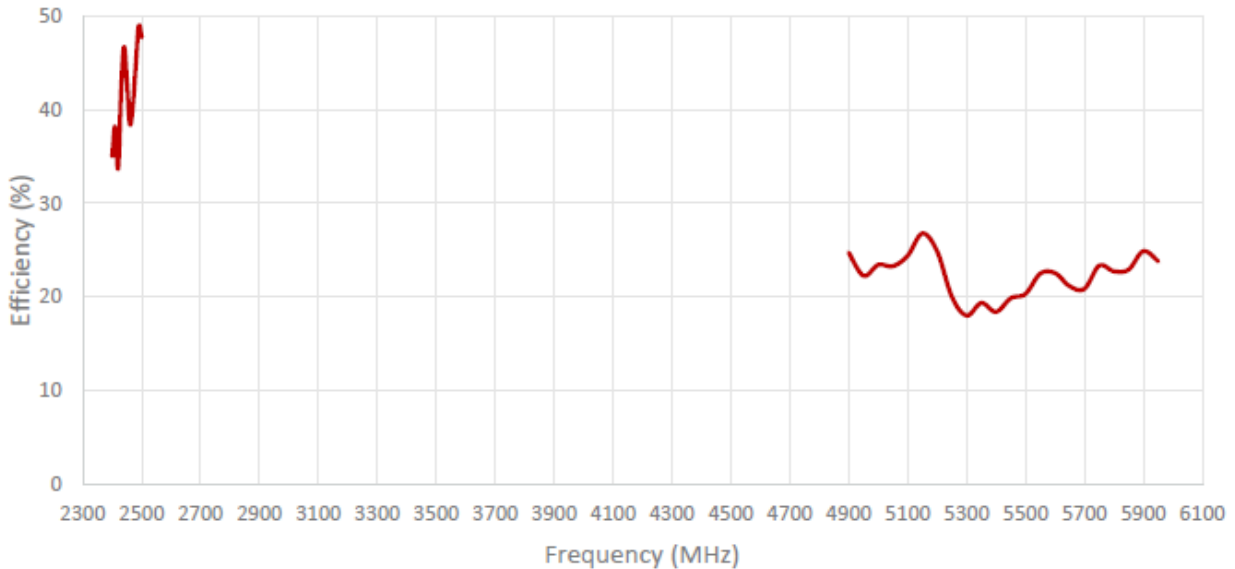
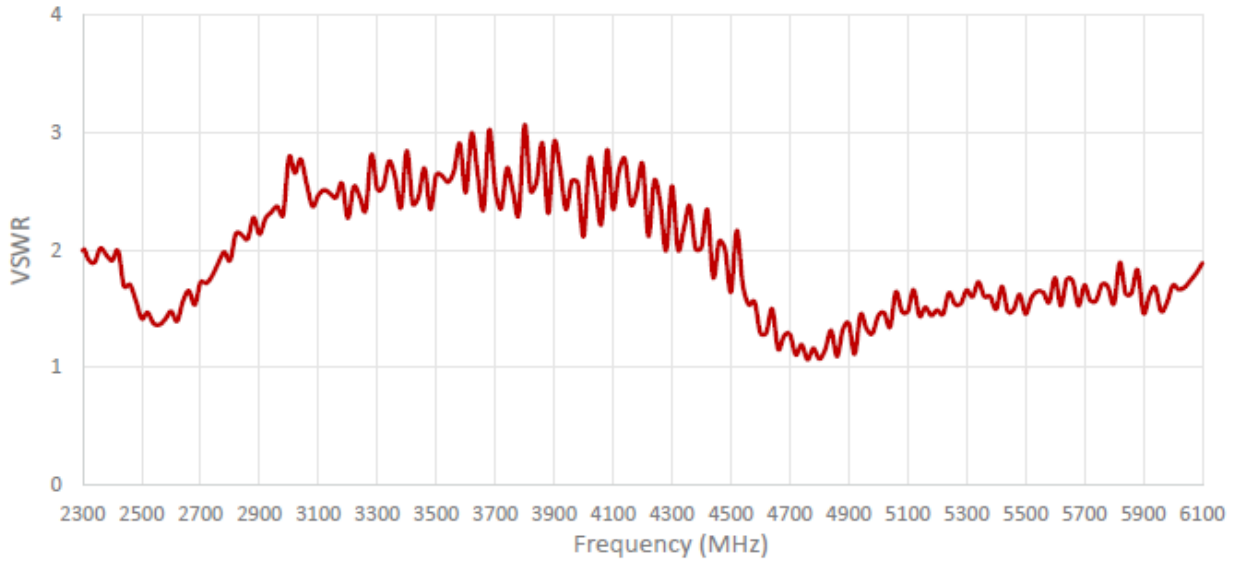
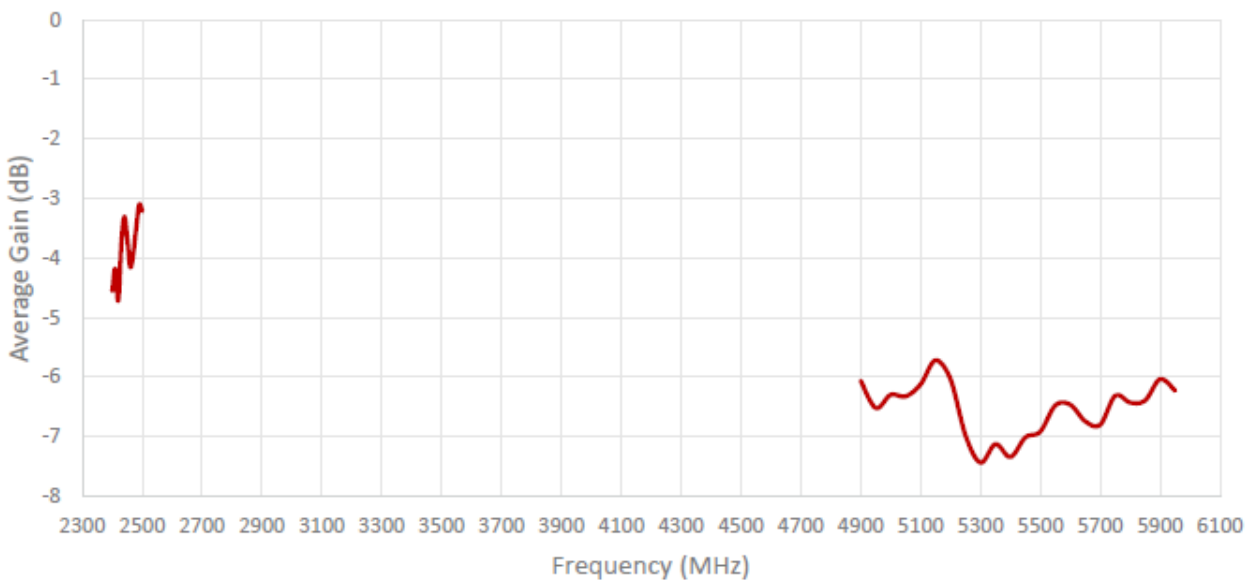
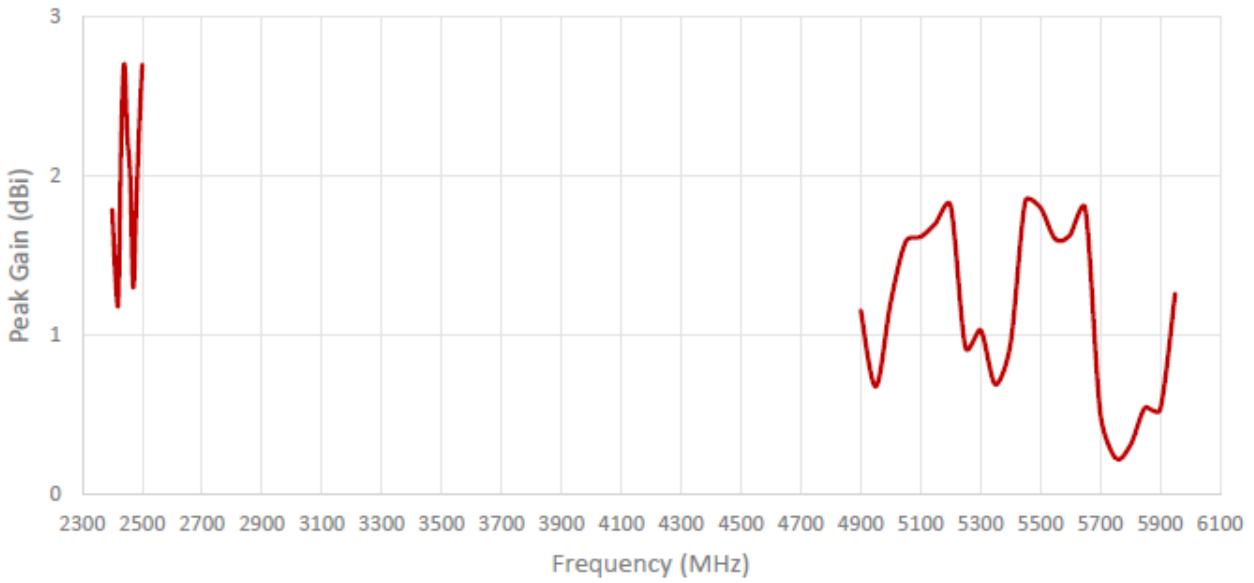


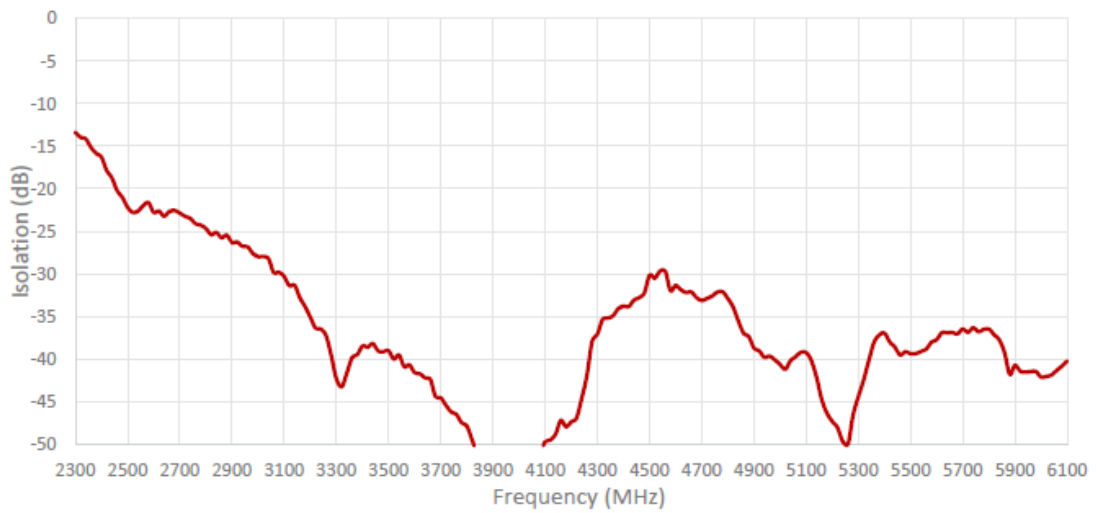
Table 2: 2.4/5.0 GHz ISM



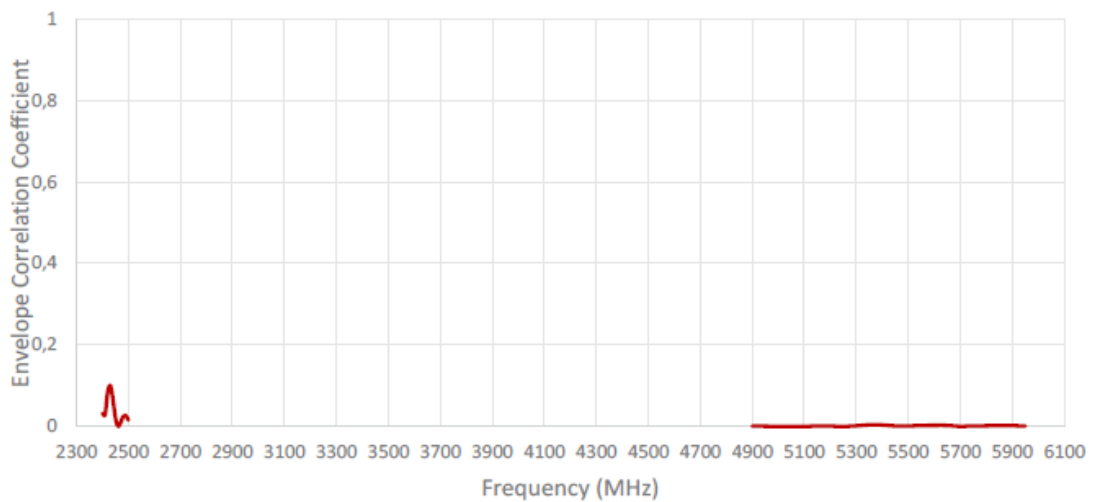




ISOLATION FOR CABLE 1 AND 2



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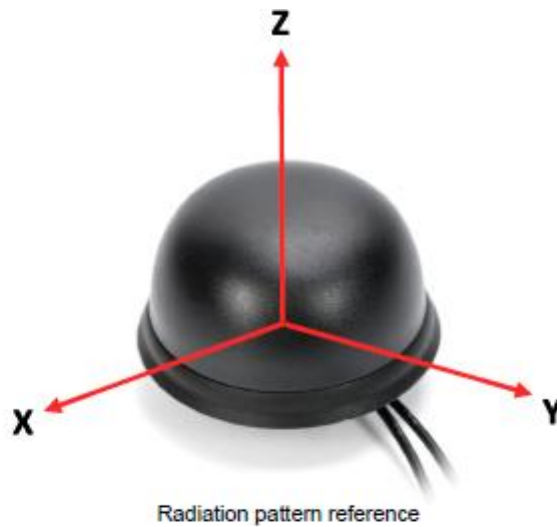
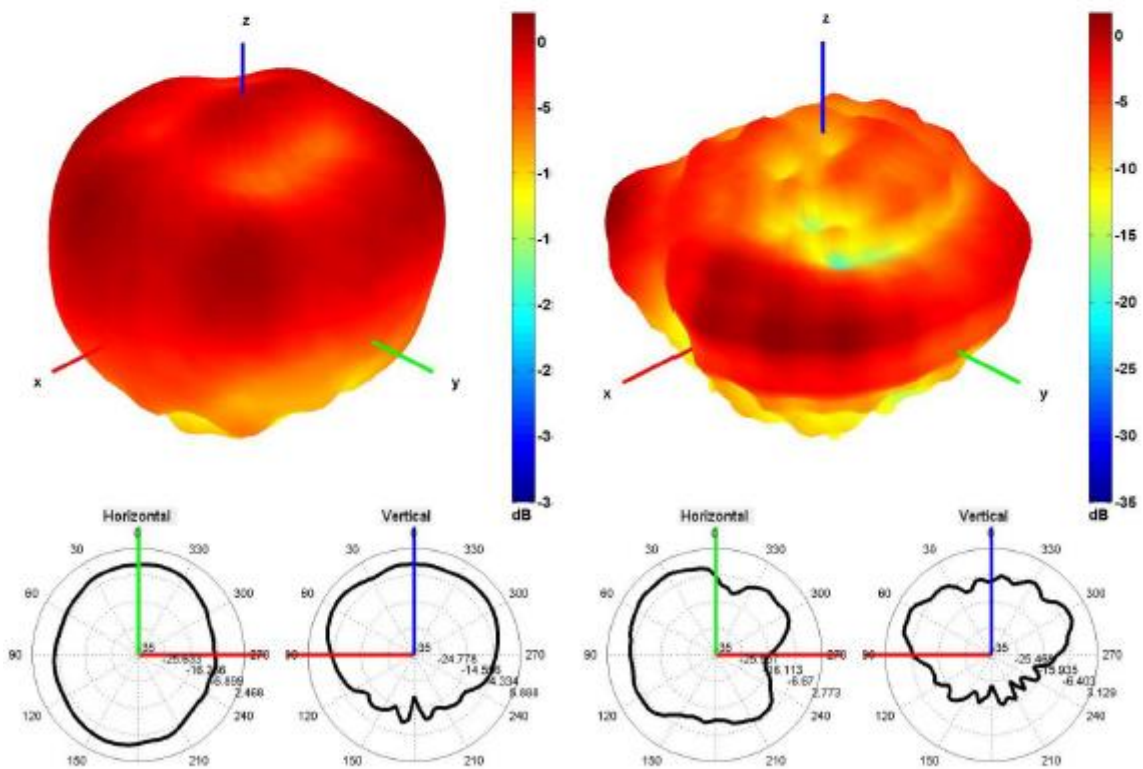


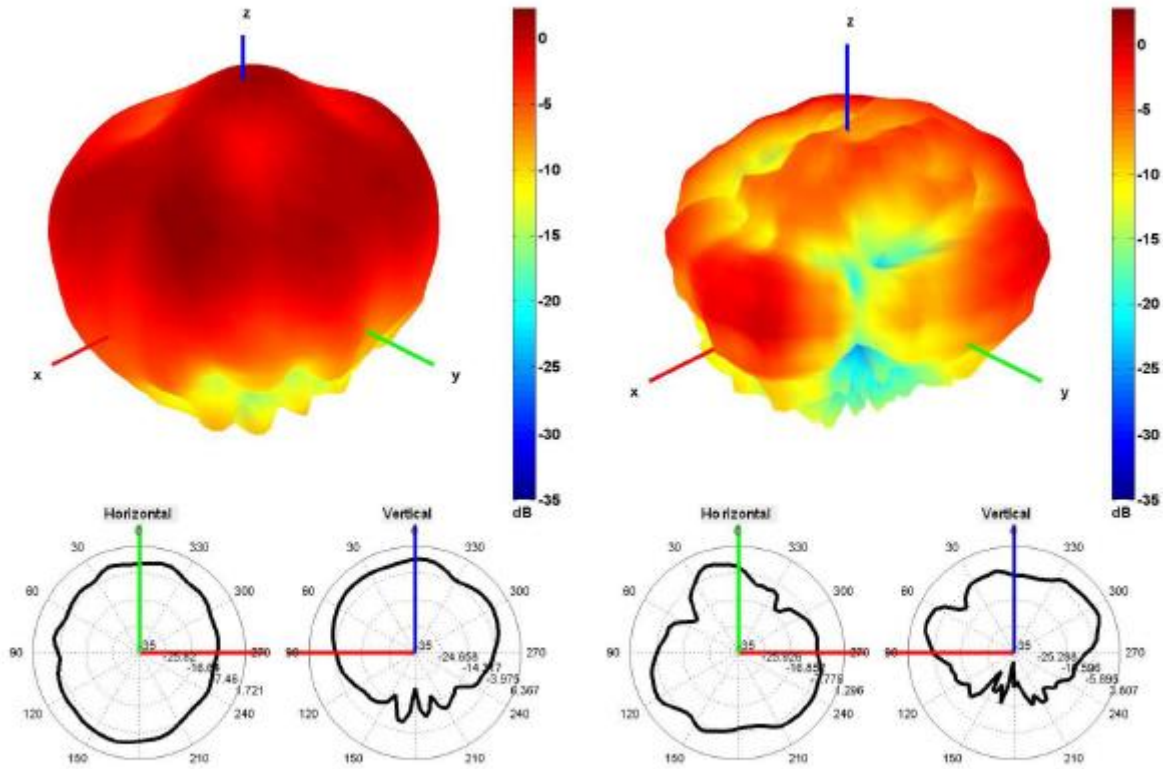
Table 1: 2.4/5.0 GHz ISM



2450 and 5500 MHz Radiation pattern



Cable 2: 2.4/5.0 GHz ISM



2450 and 5500 MHz Radiation pattern

