

2J4A02Pc

4 × 2.4/5.0/6.0 GHz ISM MIMO Adhesive Mount

Key Features

Cable 1 and 4: 2.4/5.0/6.0 GHz ISM

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

Adhesive Mount

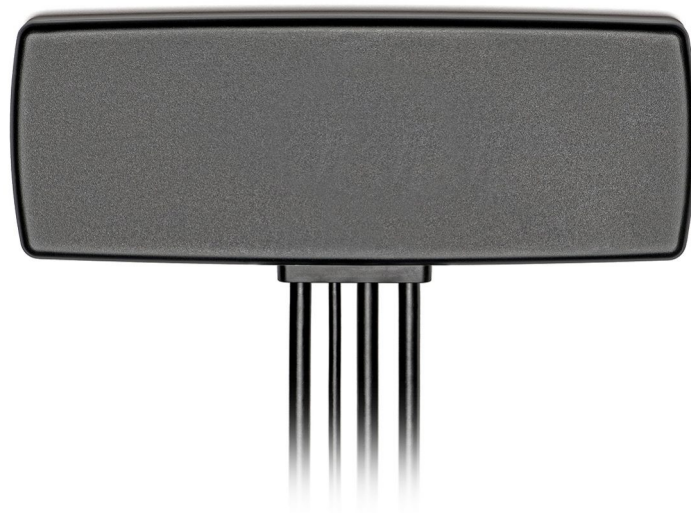
High Performance

Ground Plane Independent

Customizable Cable and Connector

Dimensions: 61.8 x 155.6 x 17.0 mm

Certificates: IP67, IP69, CE, Vibration



2. 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)	~-10.9	~-14.7	~-10.2
VSWR	~1.8:1	~1.5:1	~2.0:1
Efficiency (%)	~52.1	~54.4	~50.0
Peak Gain (dBi)	~2.4	~3.9	~4.1
Average Gain (dB)	~-2.8	~-2.7	~-3.1
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	LL195 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)	~-10.8	~-12.4	~-9.4
VSWR	~1.9:1	~1.7:1	~2.1:1
Efficiency (%)	~48.6	~40.7	~33.8
Peak Gain (dBi)	~1.7	~3.5	~5.1
Average Gain (dB)	~-3.2	~-4.1	~-4.9
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 3

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)	~-11.1	~-15.7	~-7.4
VSWR	~1.8:1	~1.5:1	~2.6:1
Efficiency (%)	~65.8	~60.6	~41.3
Peak Gain (dBi)	~-2.4	~-4.6	~-4.7
Average Gain (dB)	~-1.9	~-2.3	~-3.9
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	LL195 Standard (Other Cables Available)		

Cable 4

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)	~-10.4	~-11.0	~-7.7
VSWR	~1.9:1	~1.9:1	~2.5:1
Efficiency (%)	~62.0	~50.6	~41.4
Peak Gain (dBi)	~-4.5	~-5.2	~-5.2
Average Gain (dB)	~-2.1	~-3.0	~-3.9
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	LL195 Standard (Other Cables Available)		

Antenna Measurement Conditions:

Mounted on Plastic Plate of 30 x 30 cm

100 cm of Cable LL195, LL100

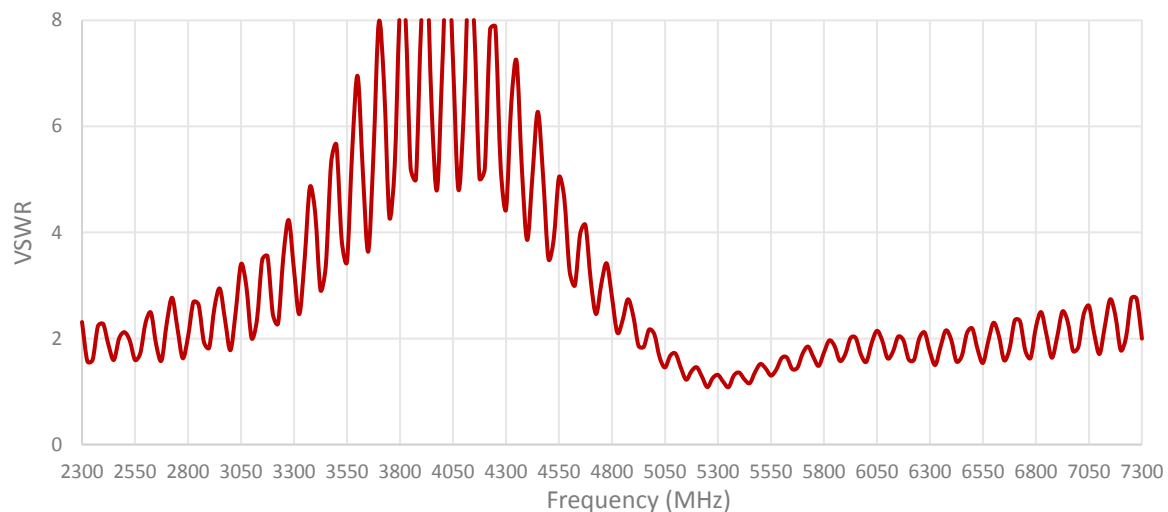
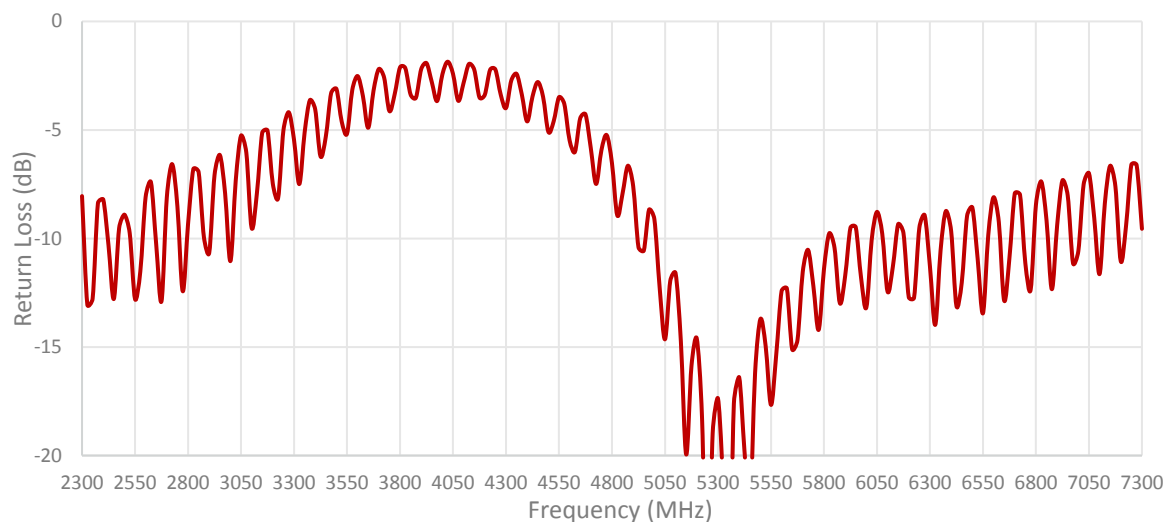
Measured in Certified CTIA 3D Anechoic Chamber

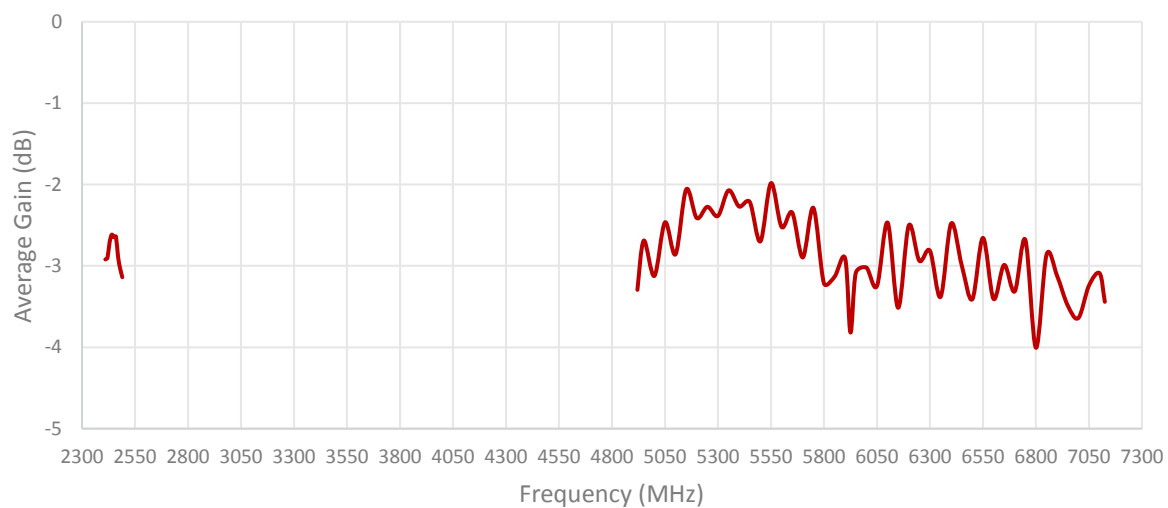
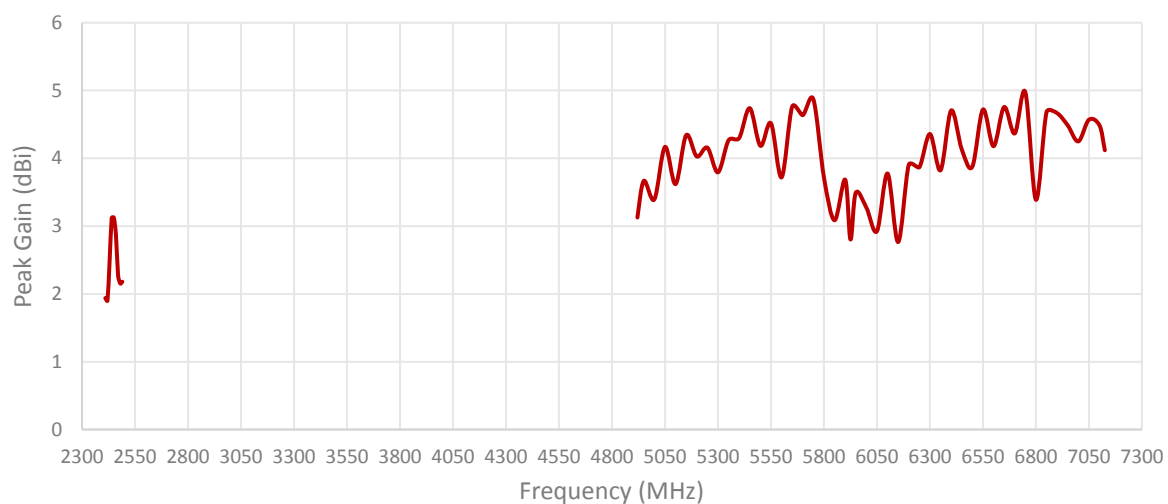
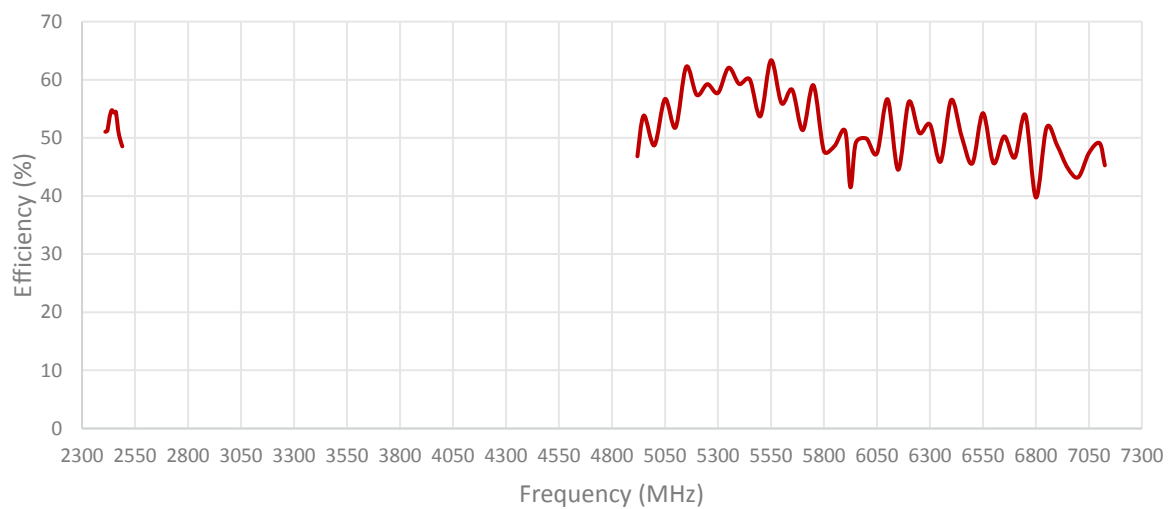
3. Mechanical and environmental specifications

Specifications	2J4A02Pc
Mounting Type	Adhesive Mount
Dimensions (mm)	61.8 x 155.6 x 17.0
Radome Type	ASA UV Stable
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS
Certificates	IP67, IP69, CE, Vibration

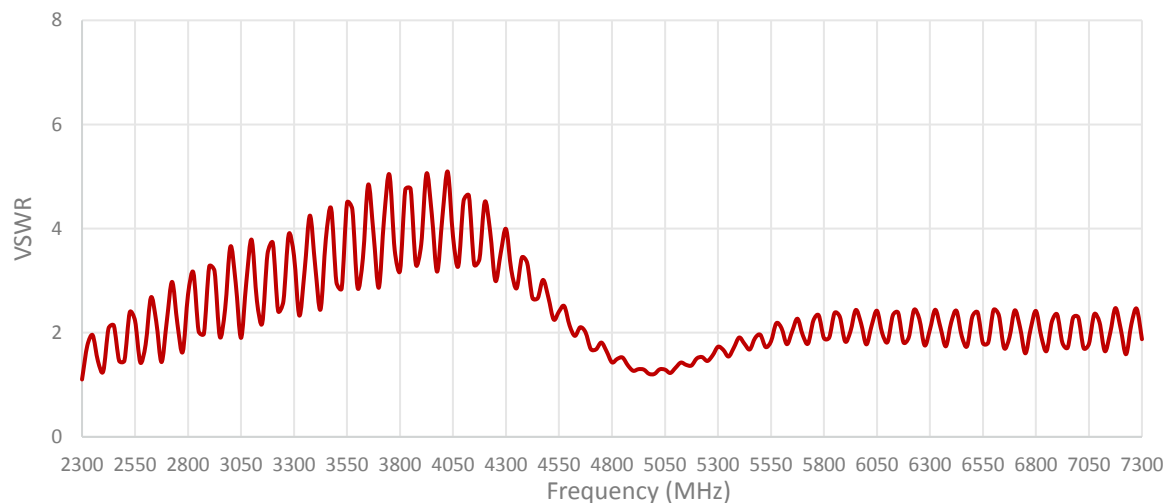
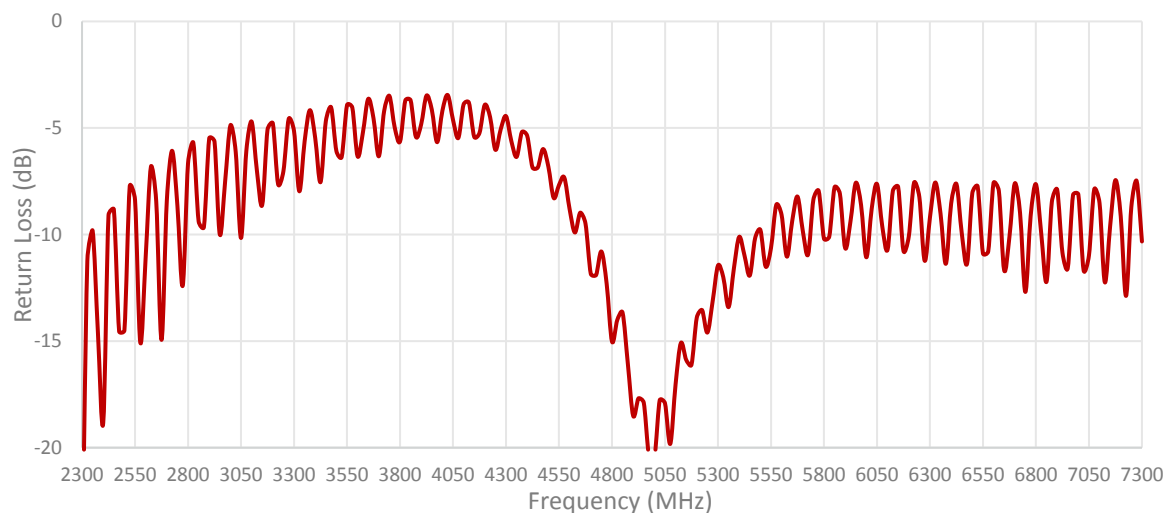
4. Antenna parameters

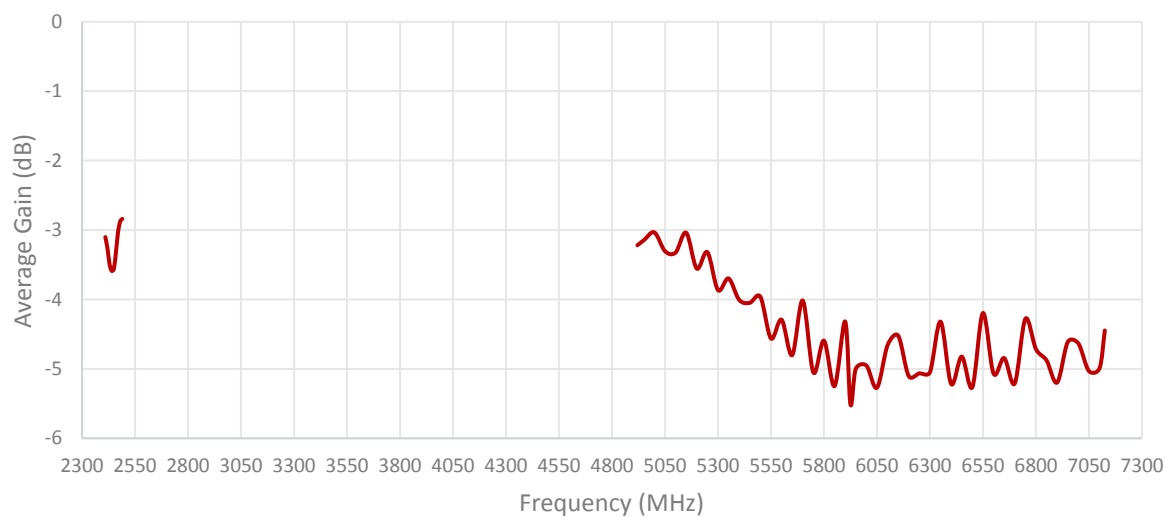
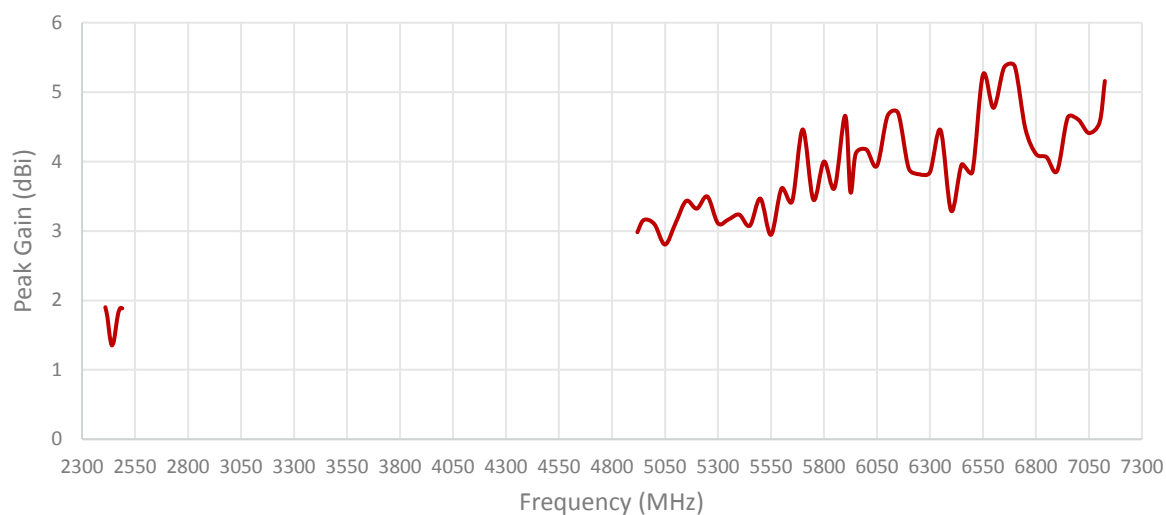
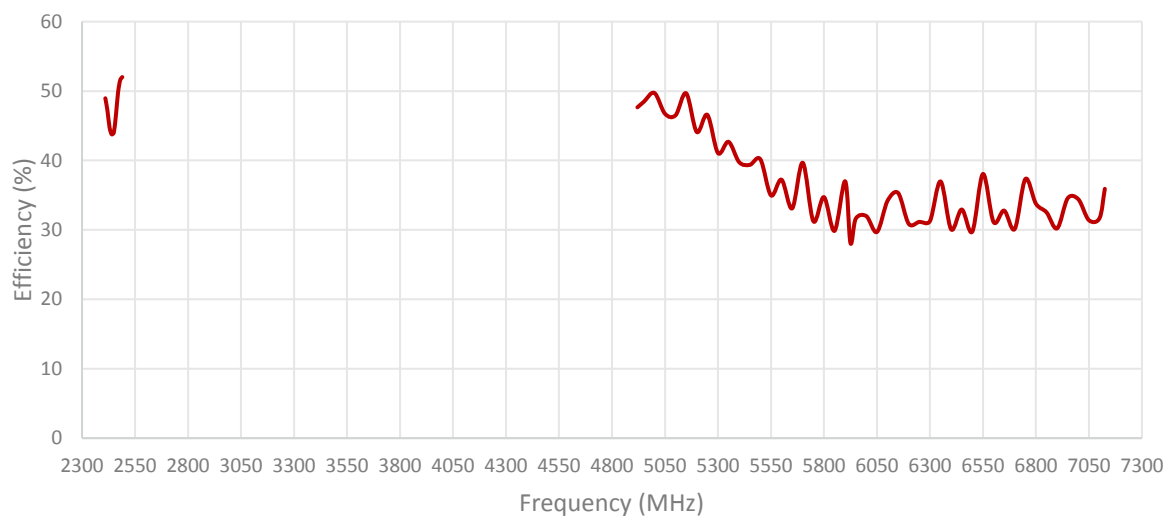
Cable 1: 2.4/5.0/6.0 GHz ISM



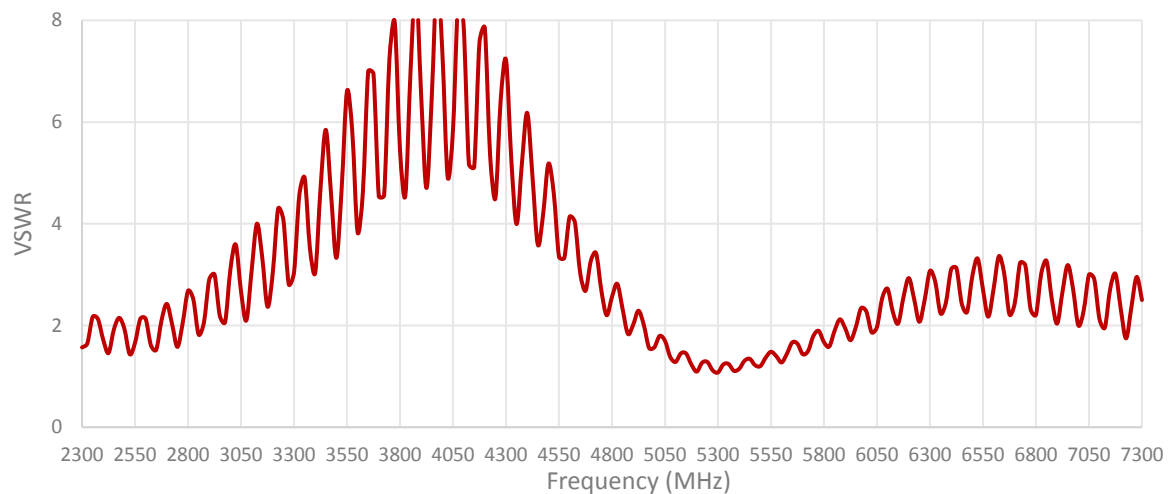
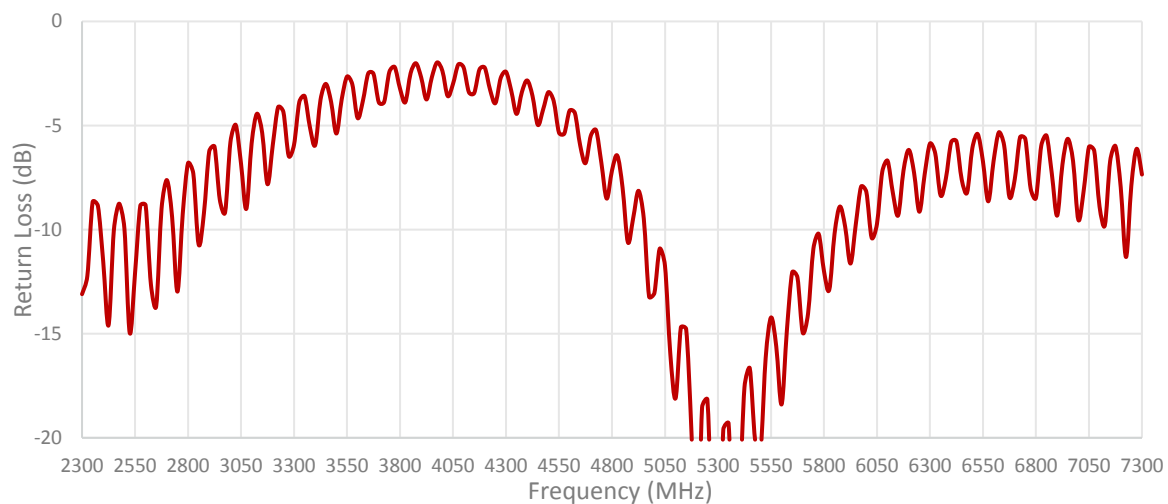


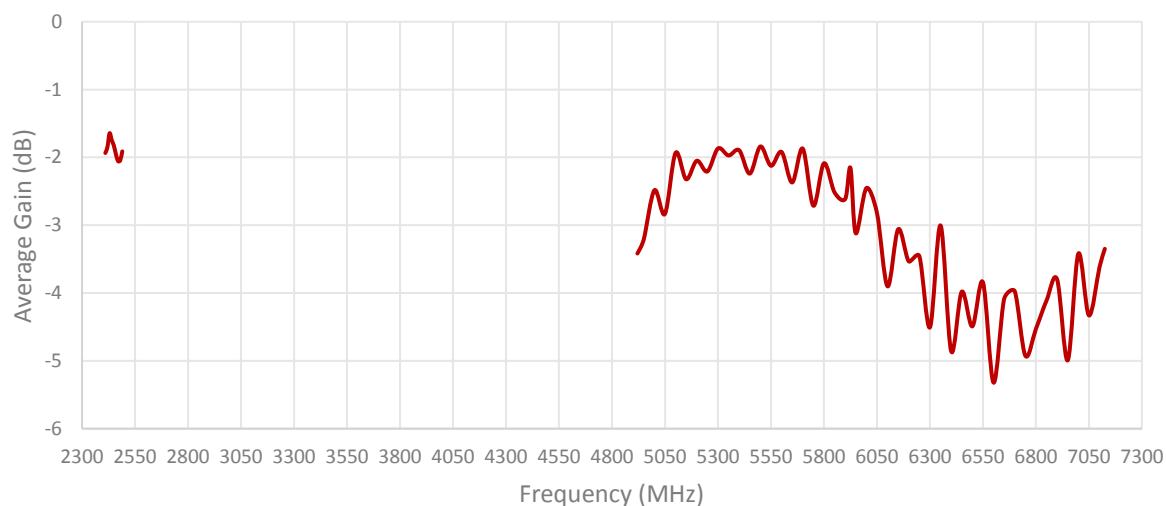
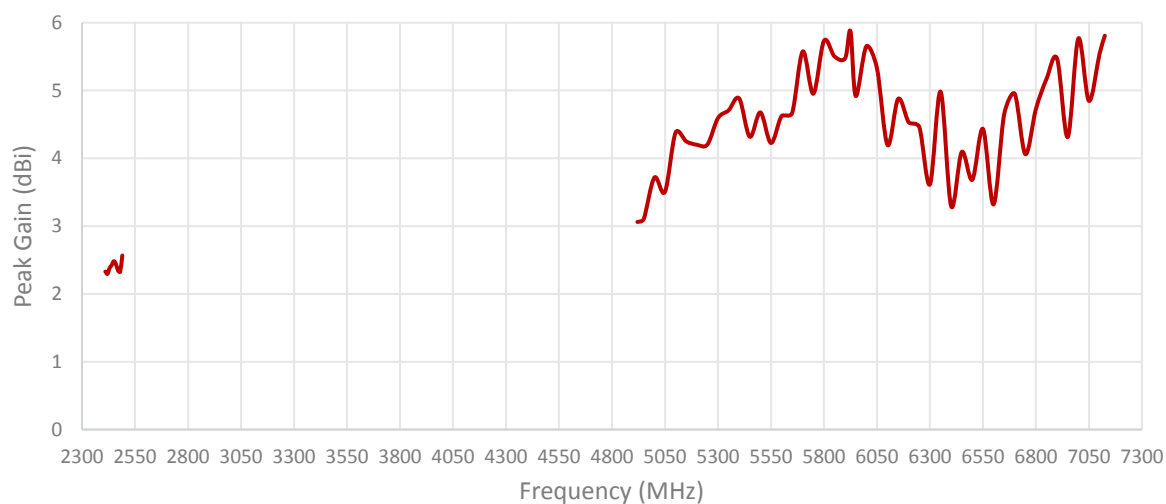
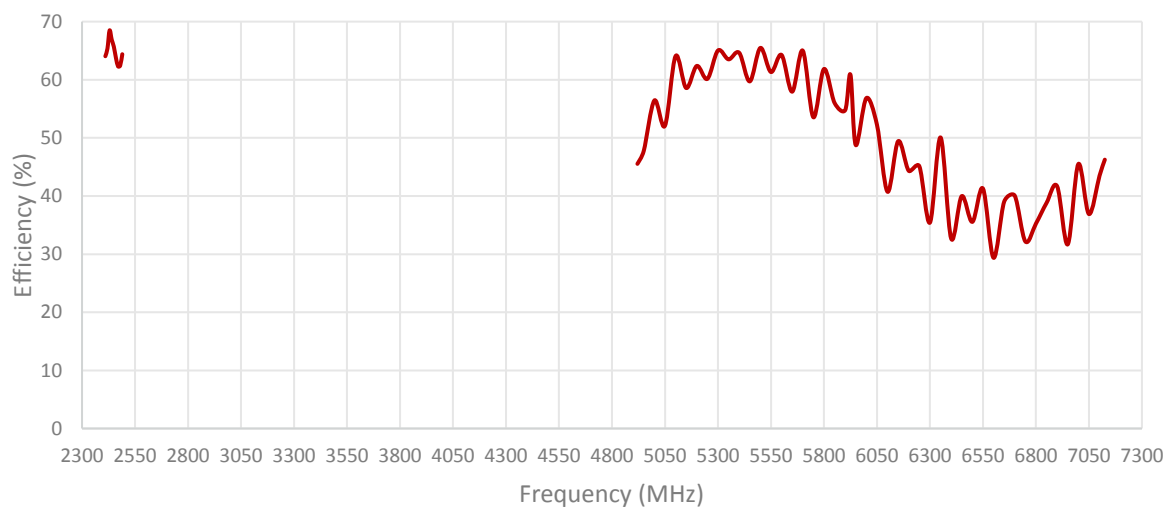
Cable 2: 2.4/5.0/6.0 GHz ISM



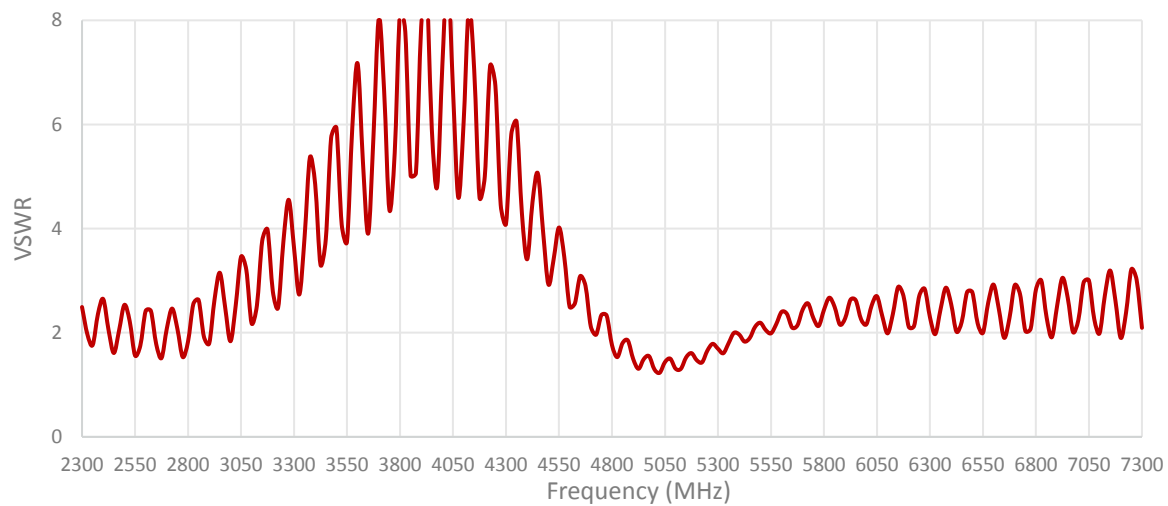
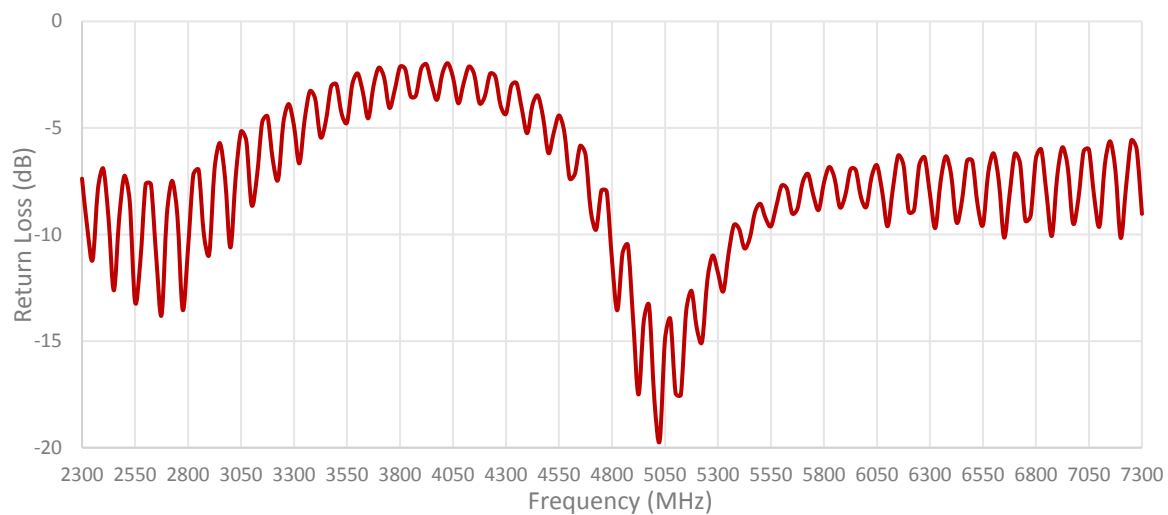


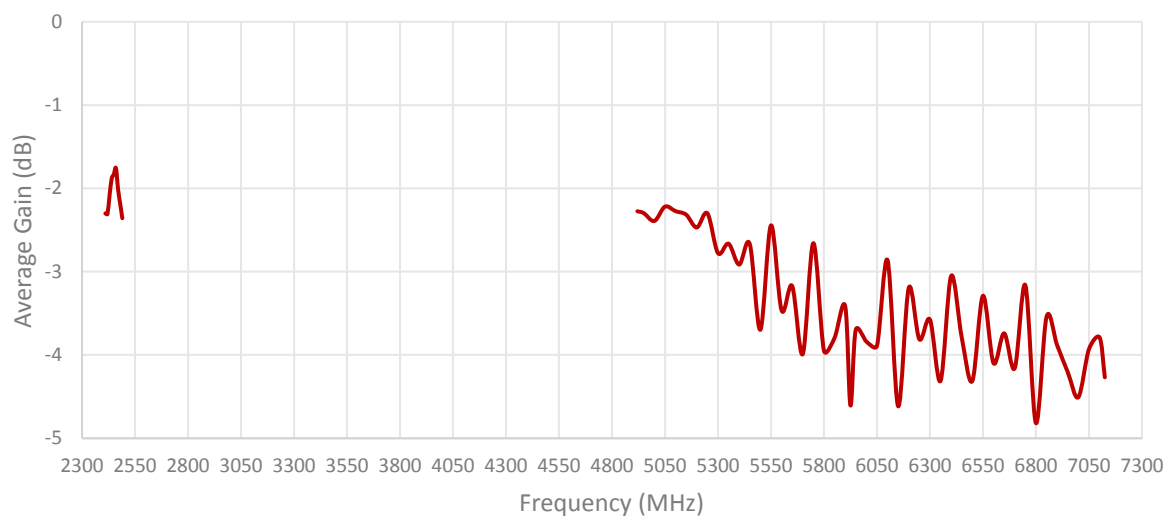
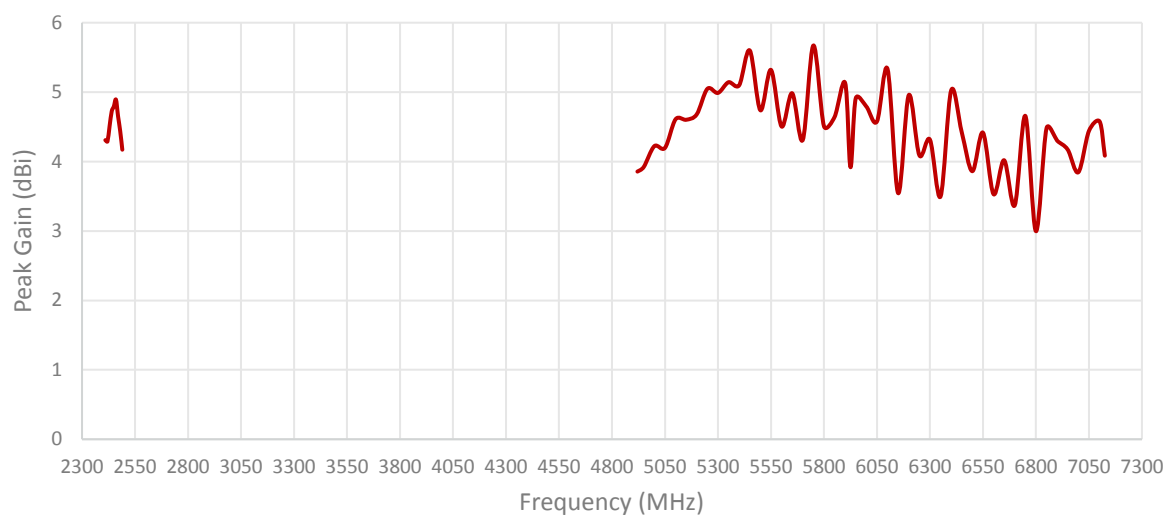
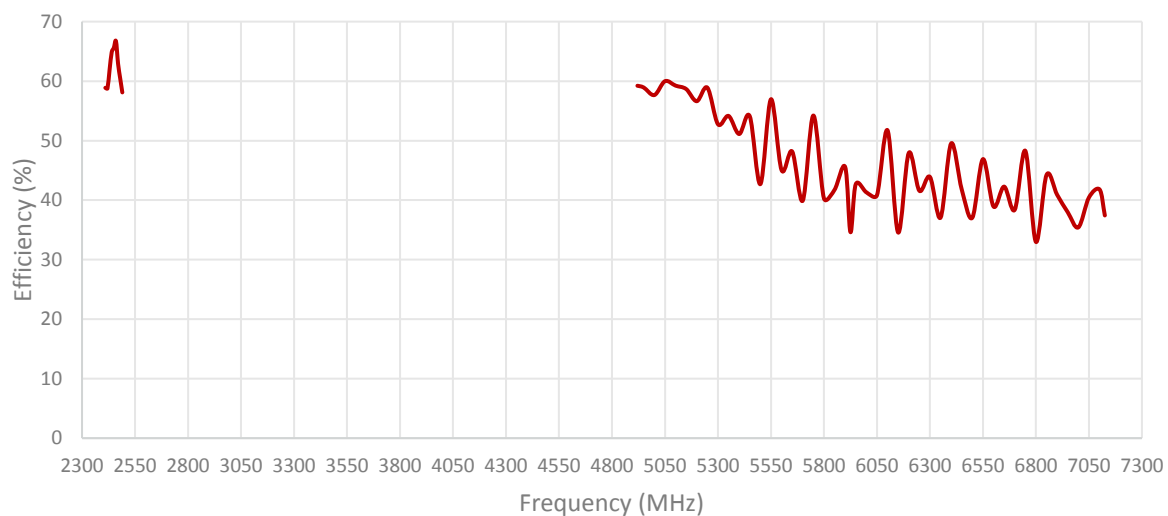
Cable 3: 2.4/5.0/6.0 GHz ISM



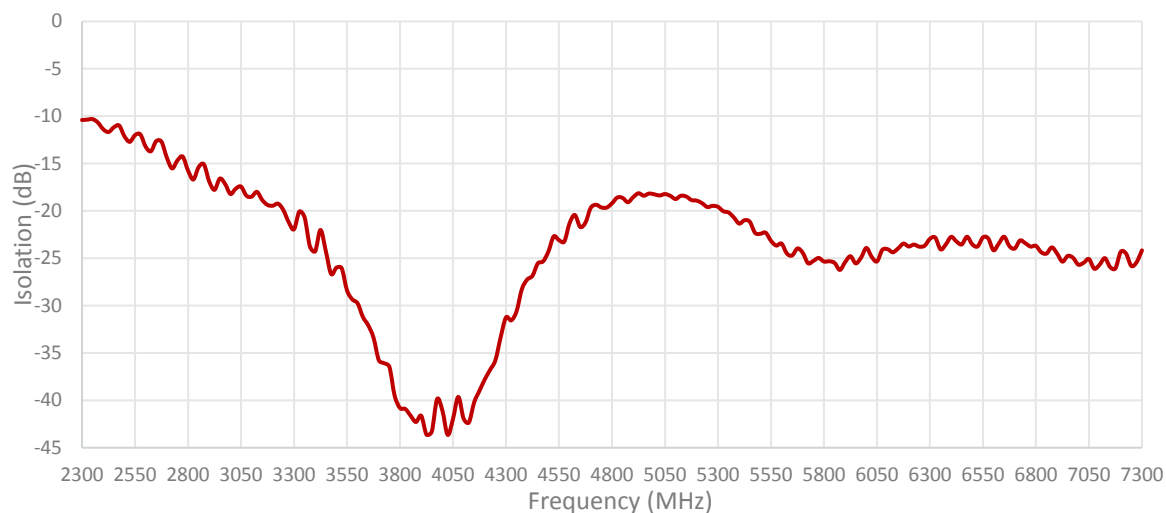


Cable 4: 2.4/5.0/6.0 GHz ISM

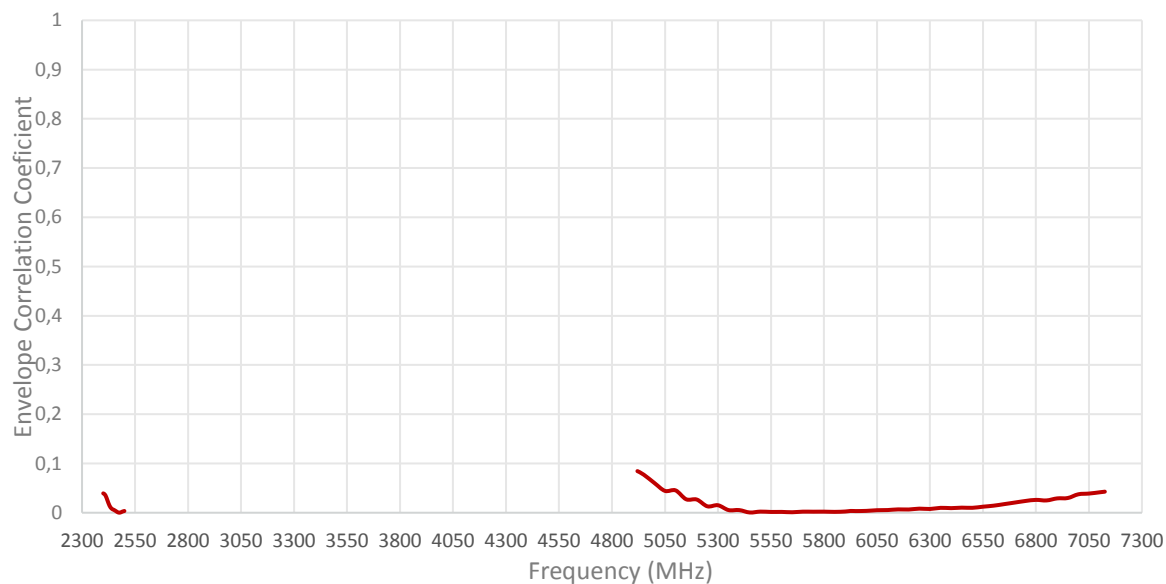




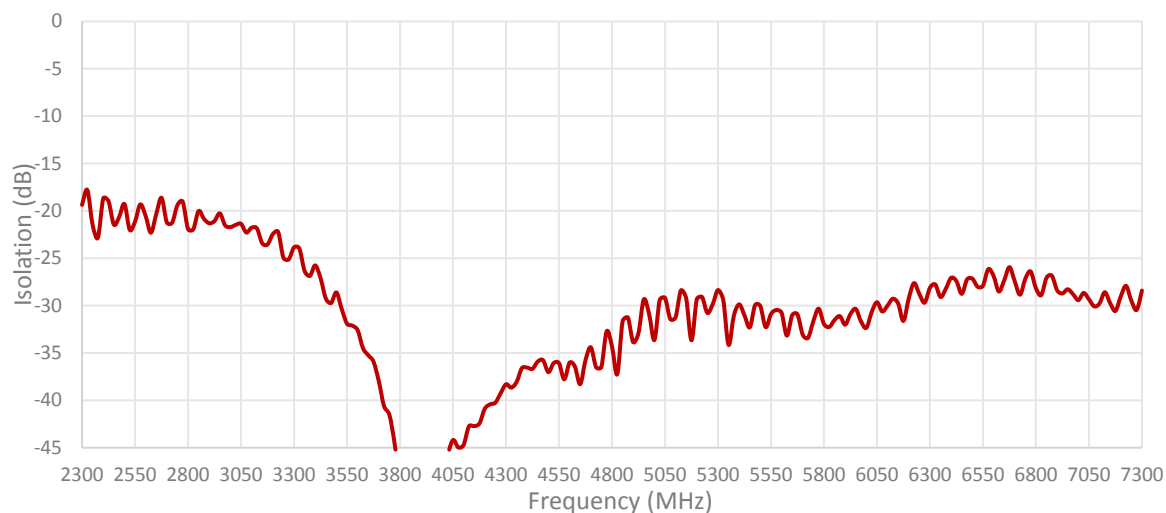
ISOLATION FOR CABLES 1 AND 2



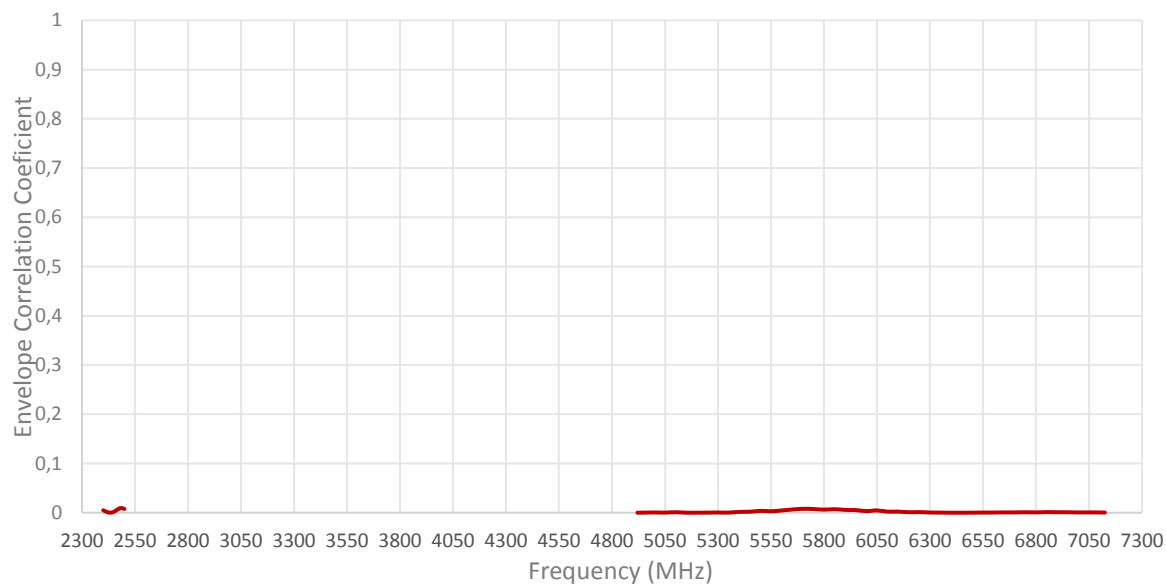
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2



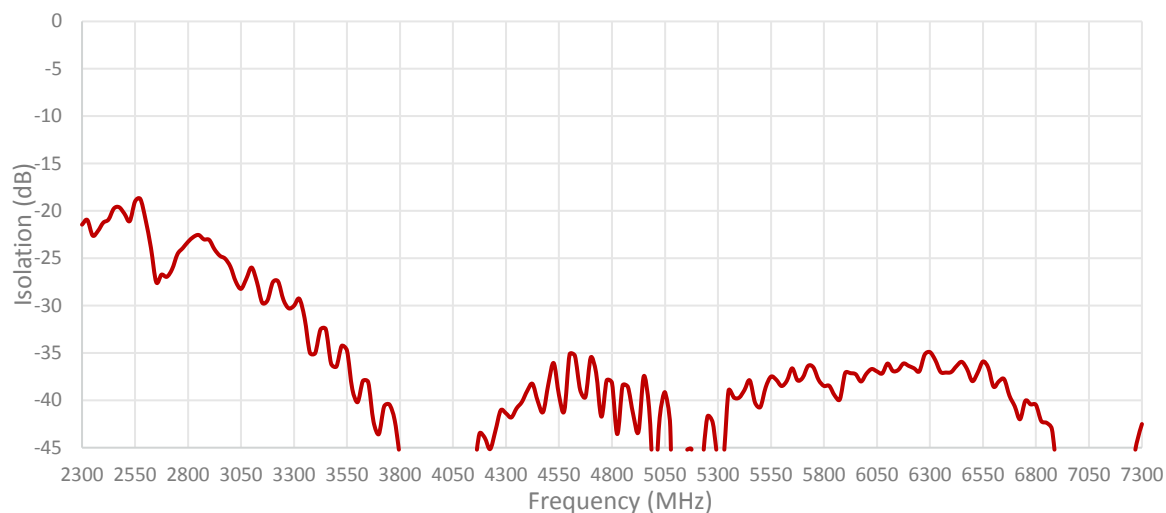
ISOLATION FOR CABLES 1 AND 3



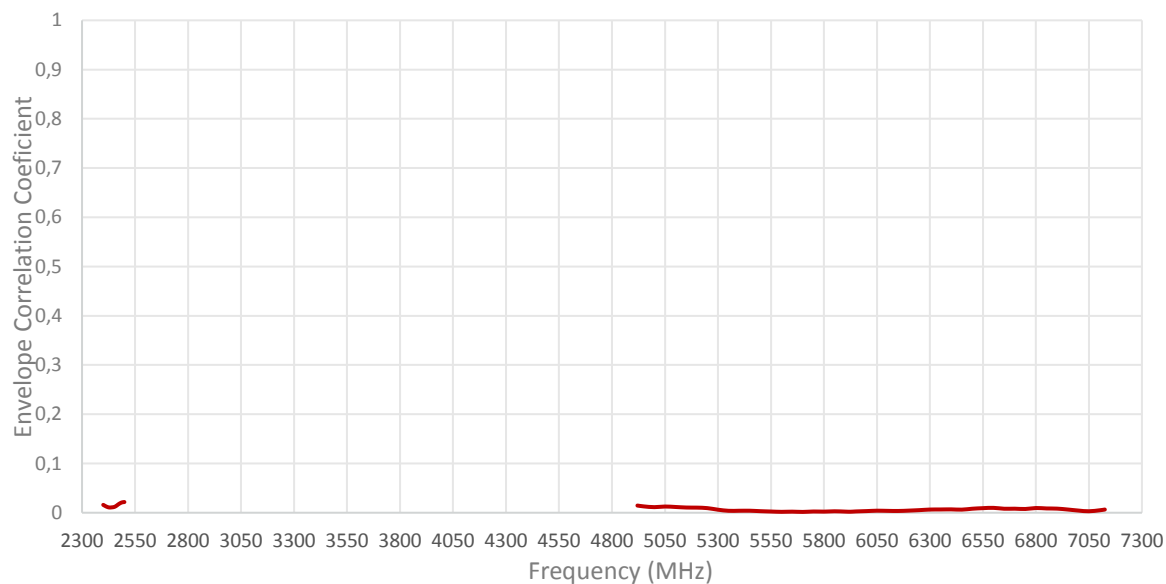
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 3



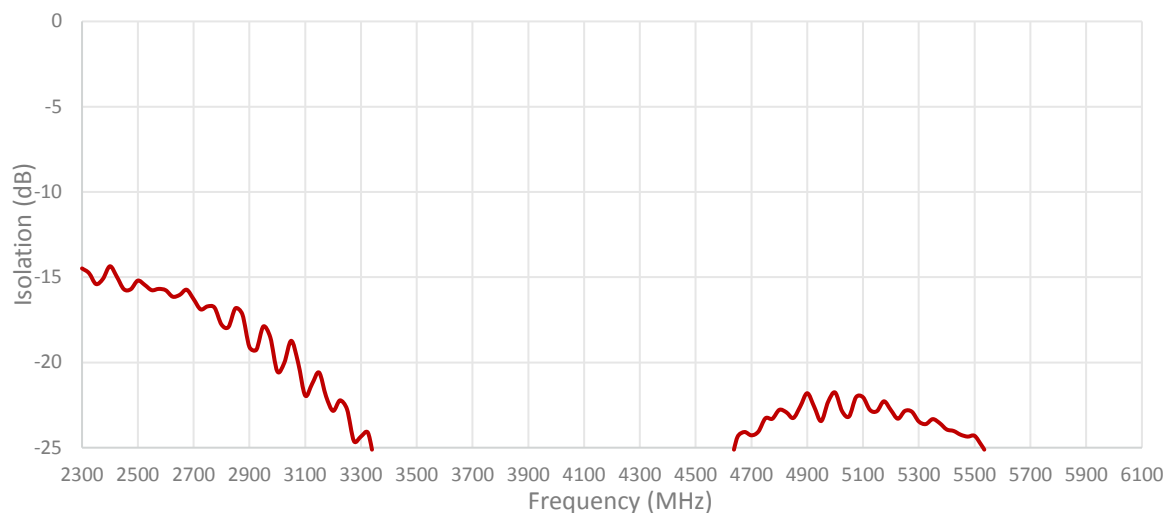
ISOLATION FOR CABLES 1 AND 4



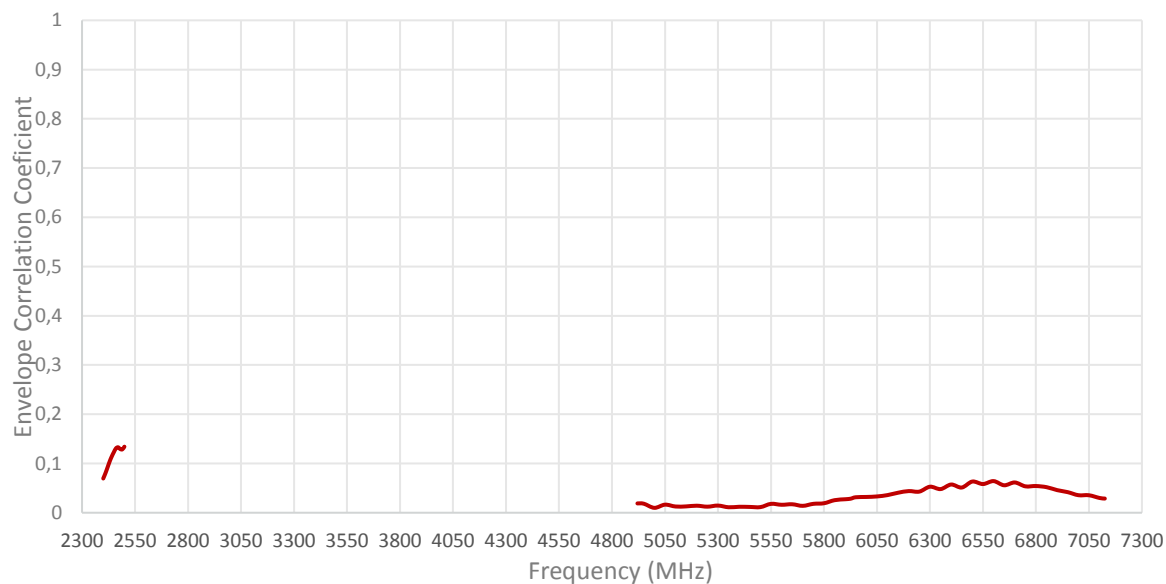
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 4

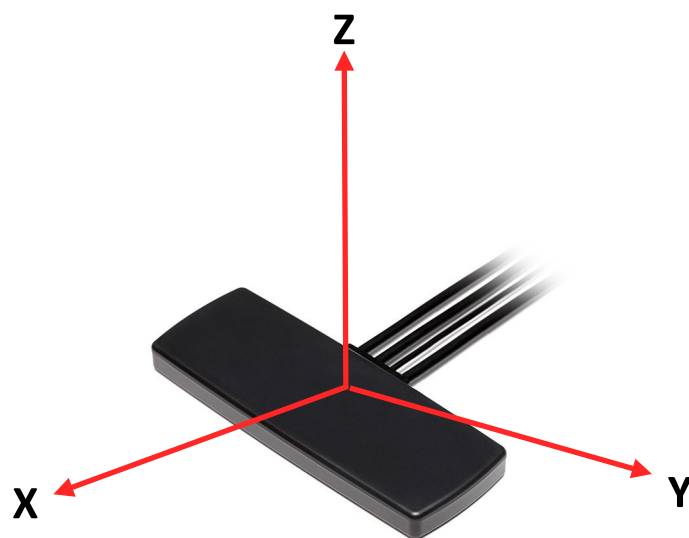


ISOLATION FOR CABLES 2 AND 3



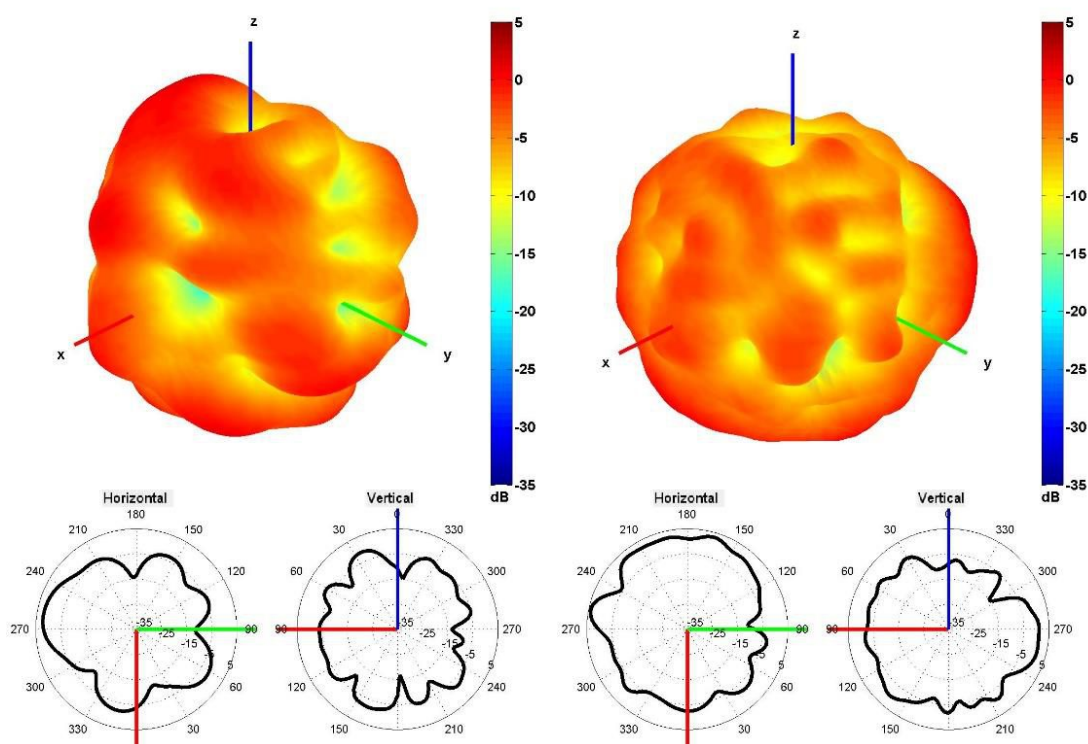
ENVELOPE CORRELATION COEFFICIENT FOR CABLES 2 AND 3



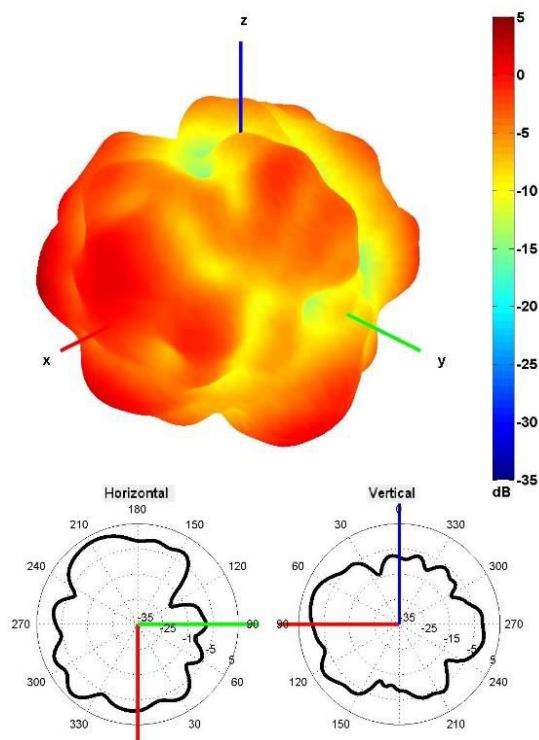


Radiation pattern reference

Cable 1: 2.4/5.0/6.0 GHz ISM

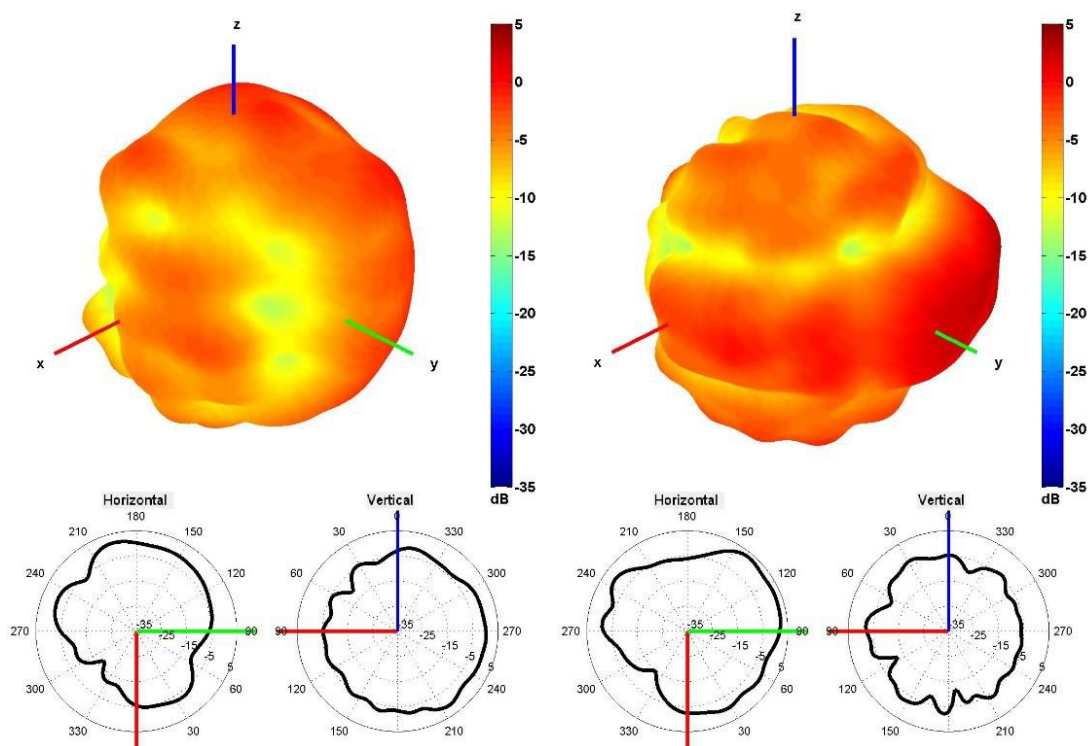


2450 and 5500 MHz Radiation pattern

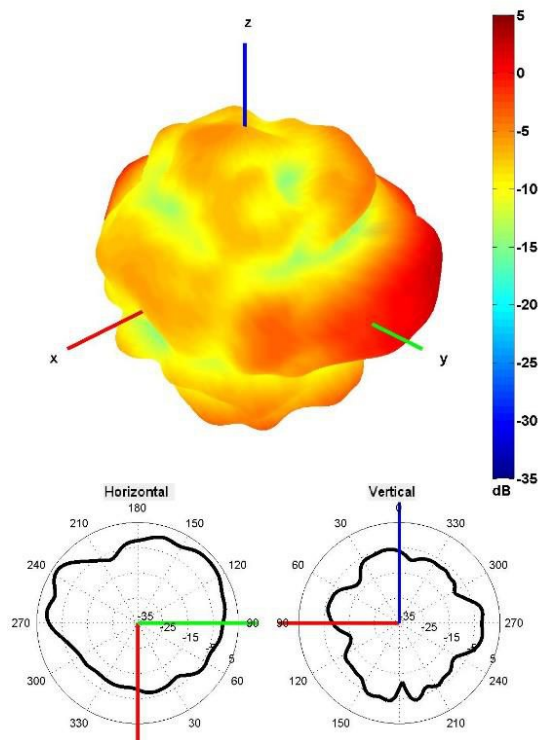


6500 MHz Radiation pattern

Cable 2: 2.4/5.0/6.0 GHz ISM

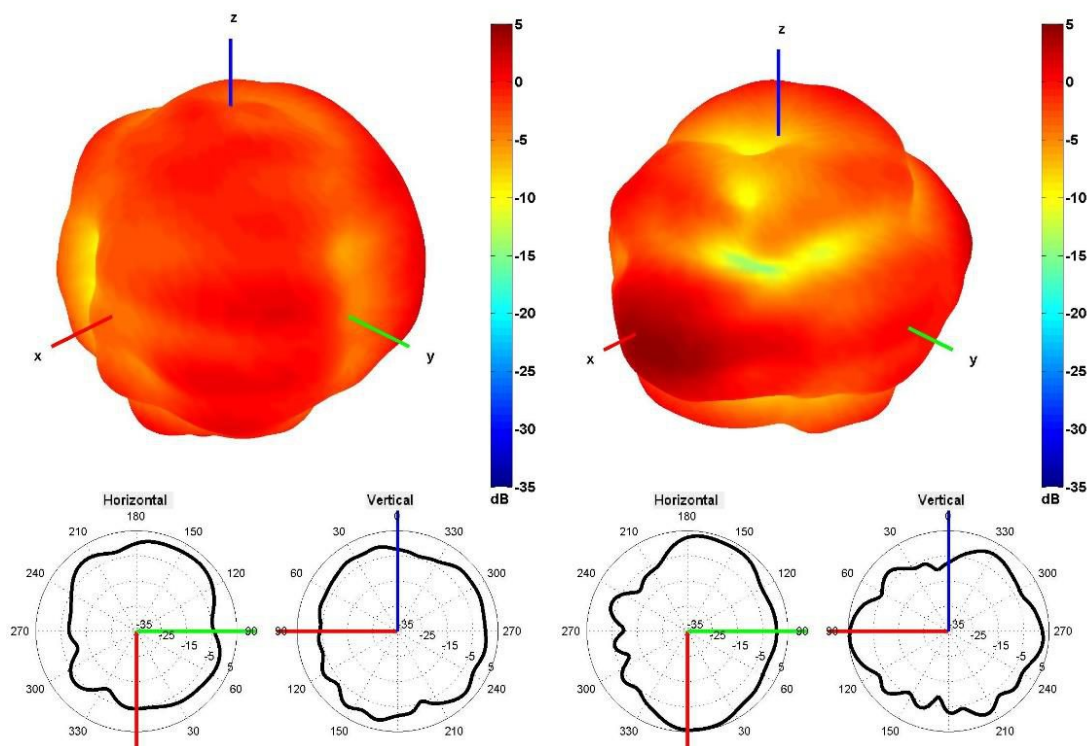


2450 and 5500 MHz Radiation pattern

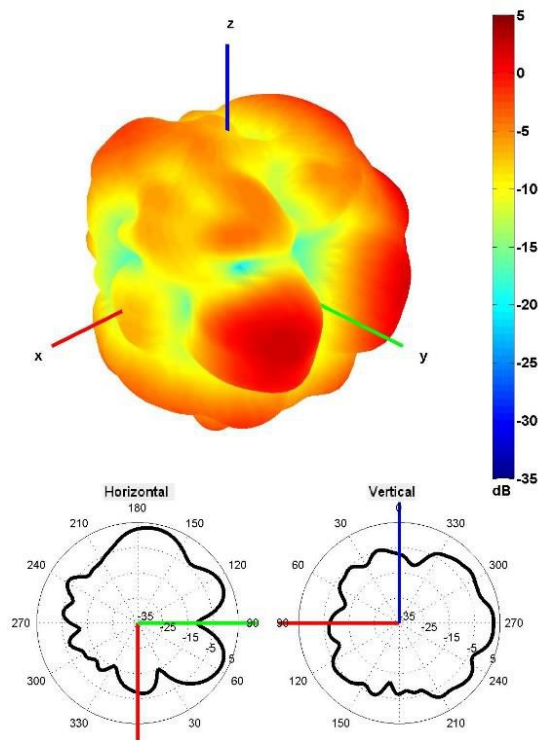


6500 MHz Radiation pattern

Cable 3: 2.4/5.0/6.0 GHz ISM

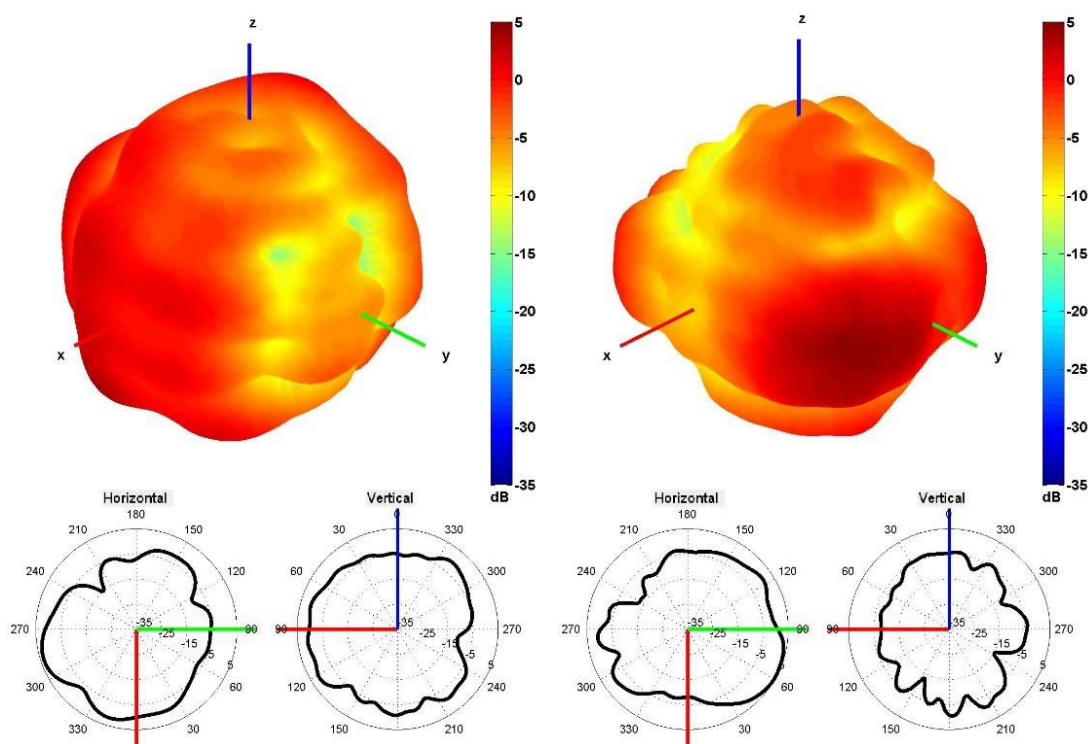


2450 and 5500 MHz Radiation pattern

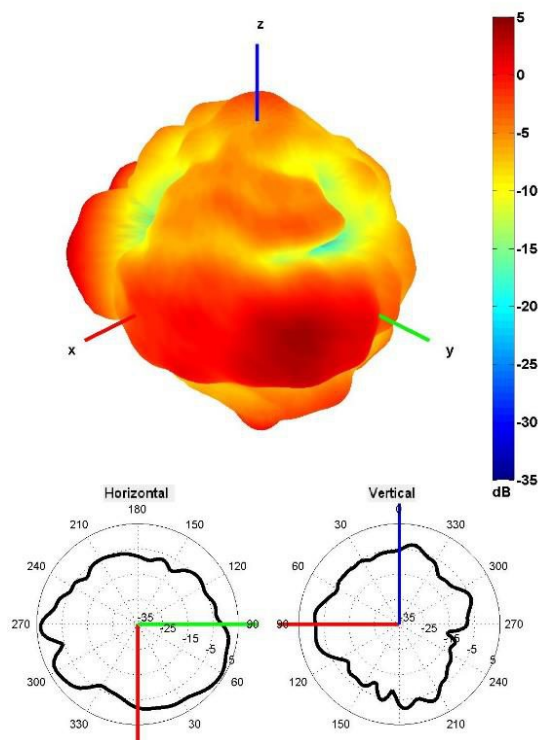


6500 MHz Radiation pattern

Cable 4: 2.4/5.0/6.0 GHz ISM

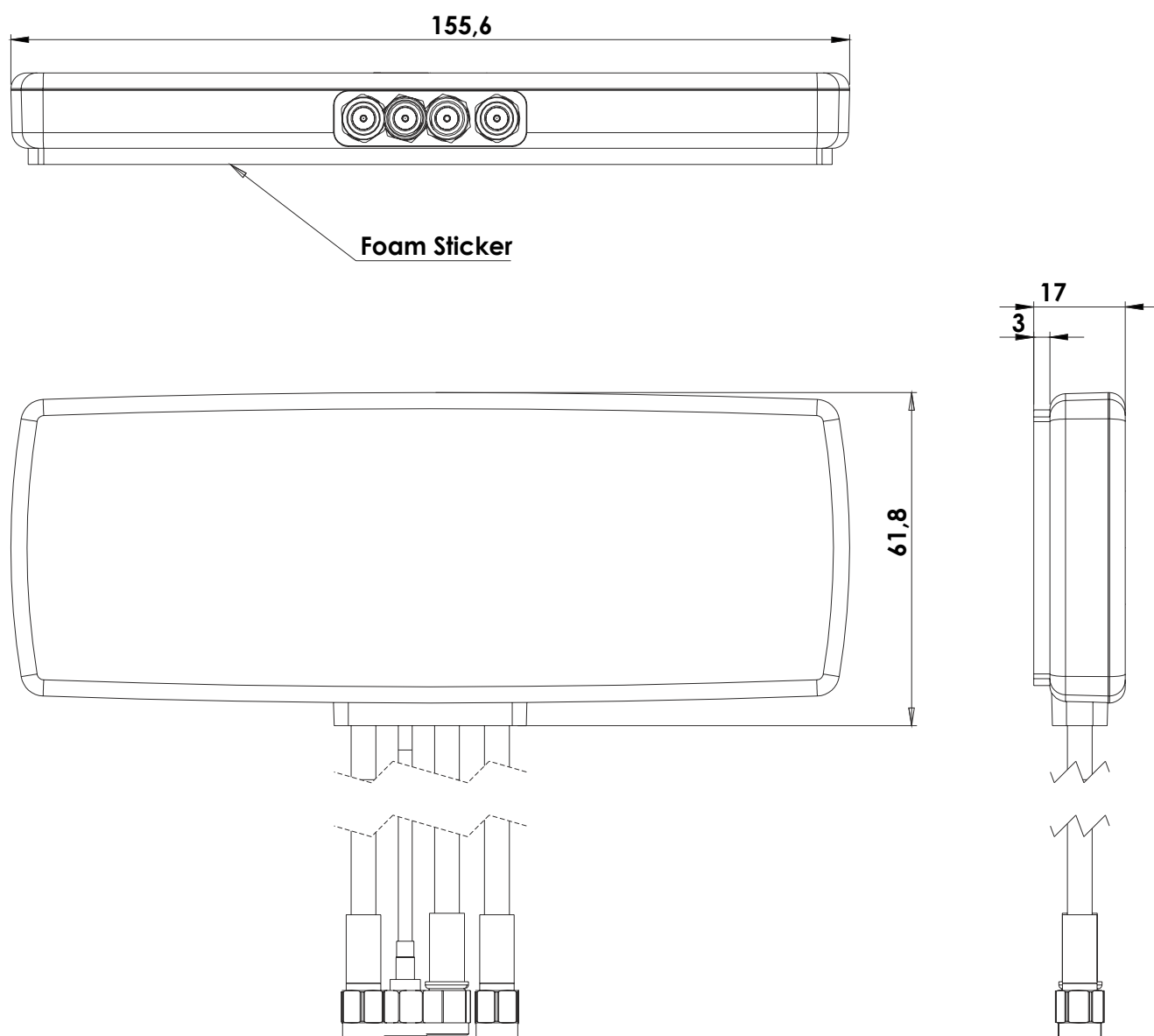


2450 and 5500 MHz Radiation pattern



6500 MHz Radiation pattern

5. Antenna drawings



6. Antenna Images

