

2J6002Ba

2.4/5.0 GHz ISM MIMO Screw Mount

Key Features

Cable 1 - 2: 2.4/5.0 GHz

- 2410-2490 MHz

- 4920-5925 MHz

Screw Mount

Ground Plane Independent

Customizable Cable and Connector

Dimensions 80 x 74 x 14.7 mm



Note: 19mm Thread is Default Option. See Drawing for other Thread Options available.



1. Antenna and electrical specifications

Cable 1

Parameters	2.4/5.0 GHz ISM Antenna	
Standards	WiFi, BT, ZigBee, ISM	
Band (MHz)	2.4 GHz	5.0 GHz
Frequency (MHz)	2410-2490	4920-5925
Return Loss (dB)	~-18.0	~-12.8
VSWR	~1.3:1	~1.7:1
Efficiency (%)	~38.4	~25.6
Peak Gain (dBi)	~3.8	~2.8
Average Gain (dB)	~-4.2	~-6.0
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 GHz ISM Antenna	
Standards	WiFi, BT, ZigBee, ISM	
Band (MHz)	2.4 GHz	5.0 GHz
Frequency (MHz)	2410-2490	4920-5925
Return Loss (dB)	~-12.9	~-12.8
VSWR	~1.6:1	~1.6:1
Efficiency (%)	~36.5	~27.7
Peak Gain (dBi)	~3.8	~3.4
Average Gain (dB)	~-4.4	~-5.6
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 Metal Plate

200 cm of Cable LL100

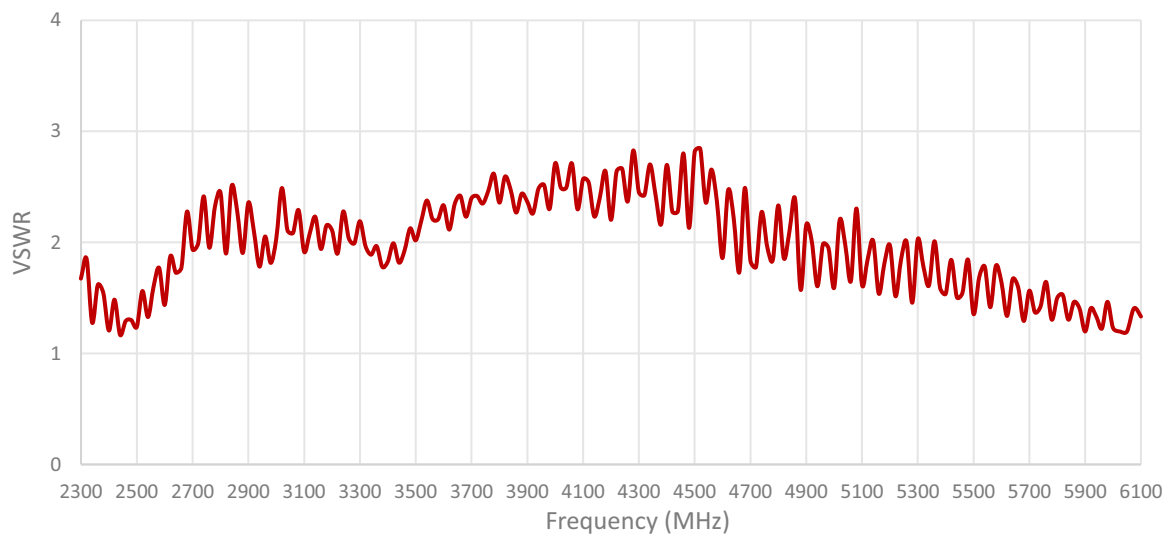
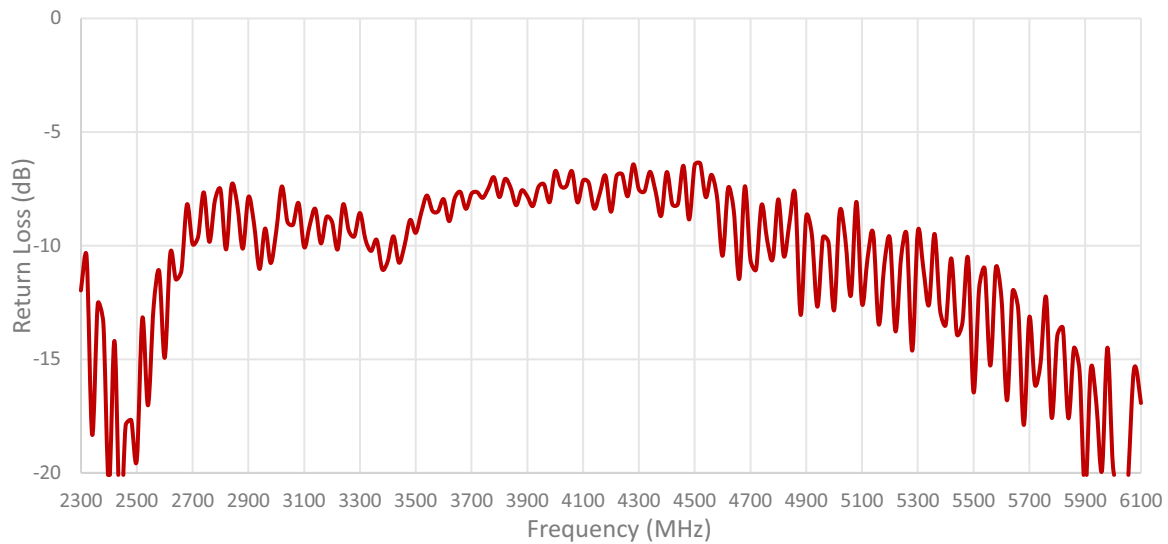
Measured in Certified CTIA 3D Anechoic Chamber

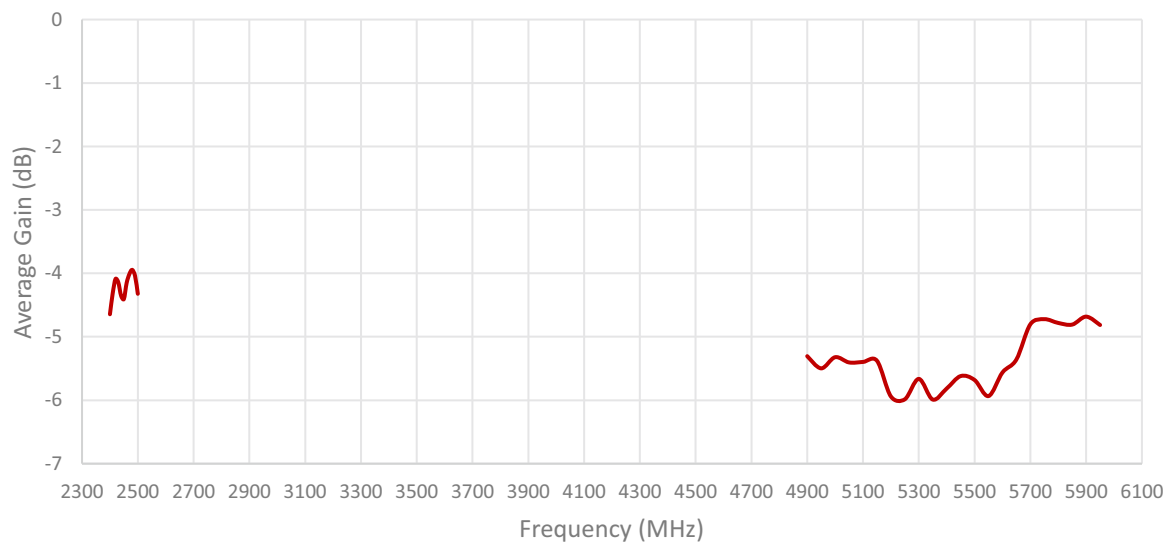
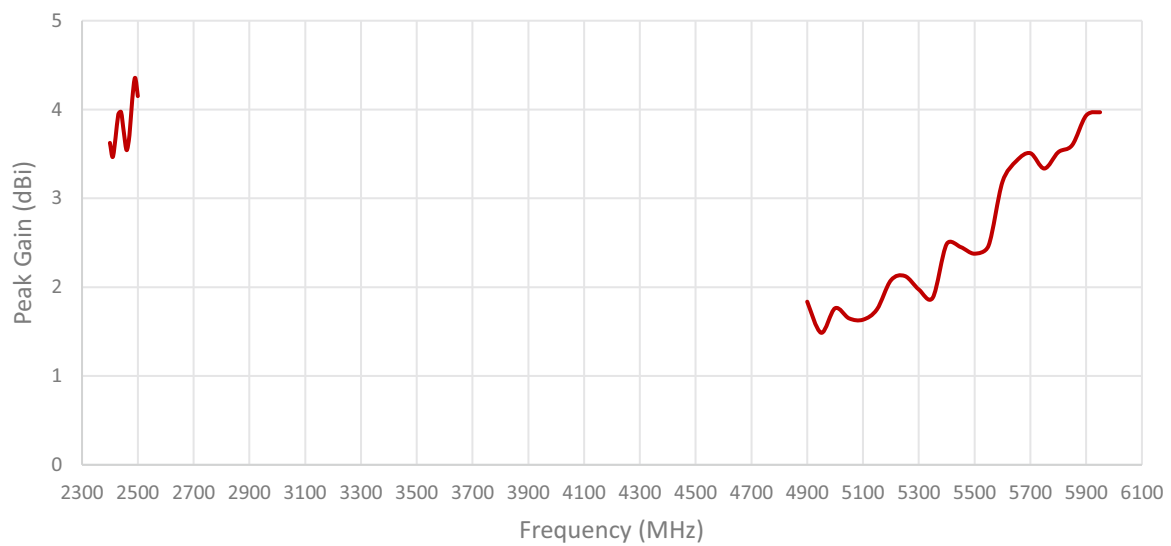
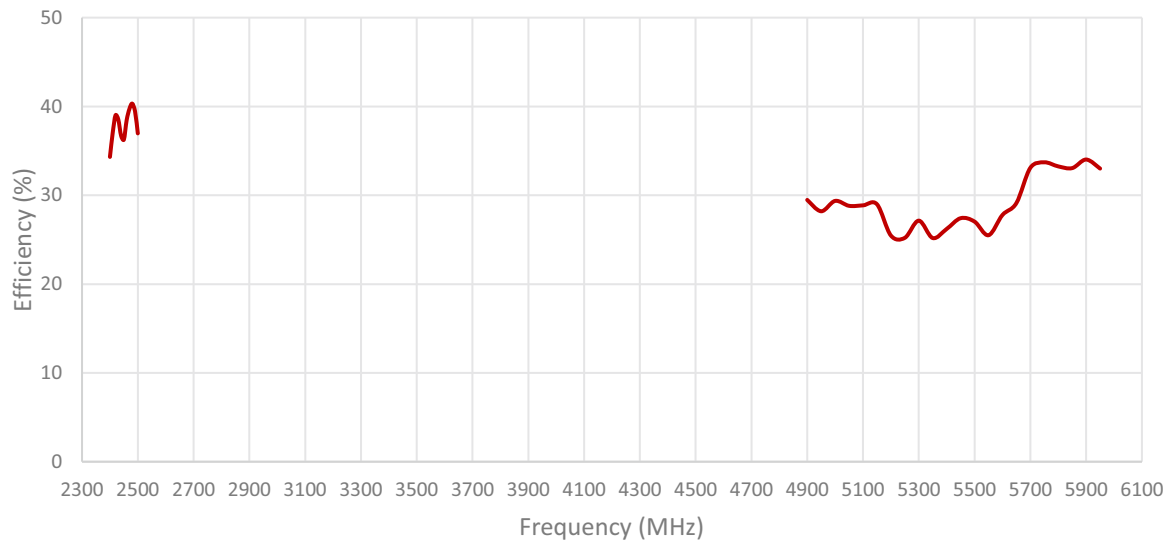
2. Mechanical and environmental specifications

Specifications	2J6002Ba
Mounting Type	Screw Mount
Dimensions (mm)	80 x 74 x 14.7
Rec. Tighten Torque (Nm)	5 Nm
Radome	ASA
Radome color	Black
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

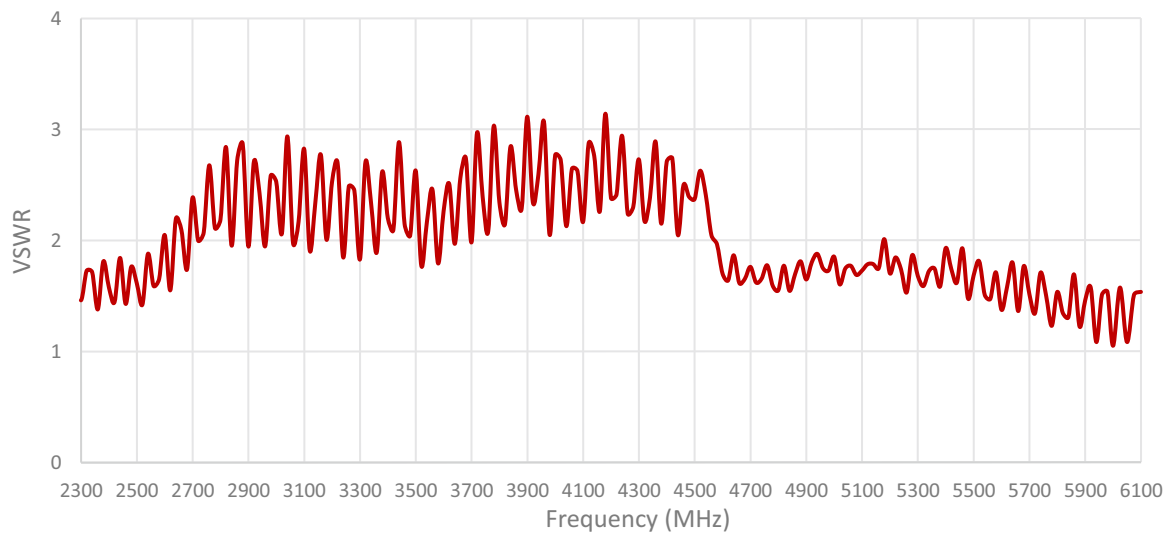
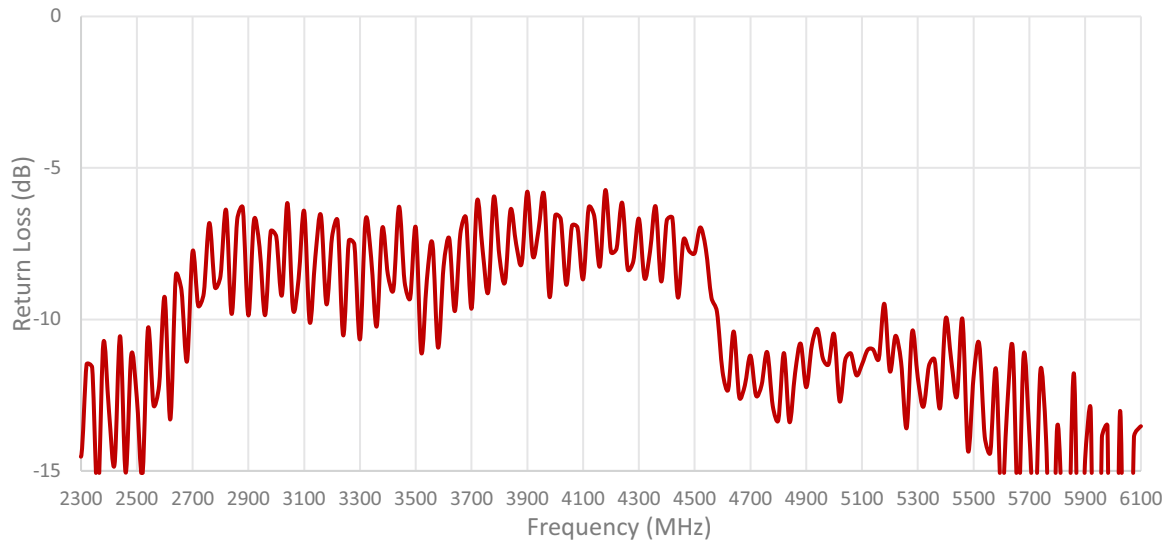
3. Antenna parameters

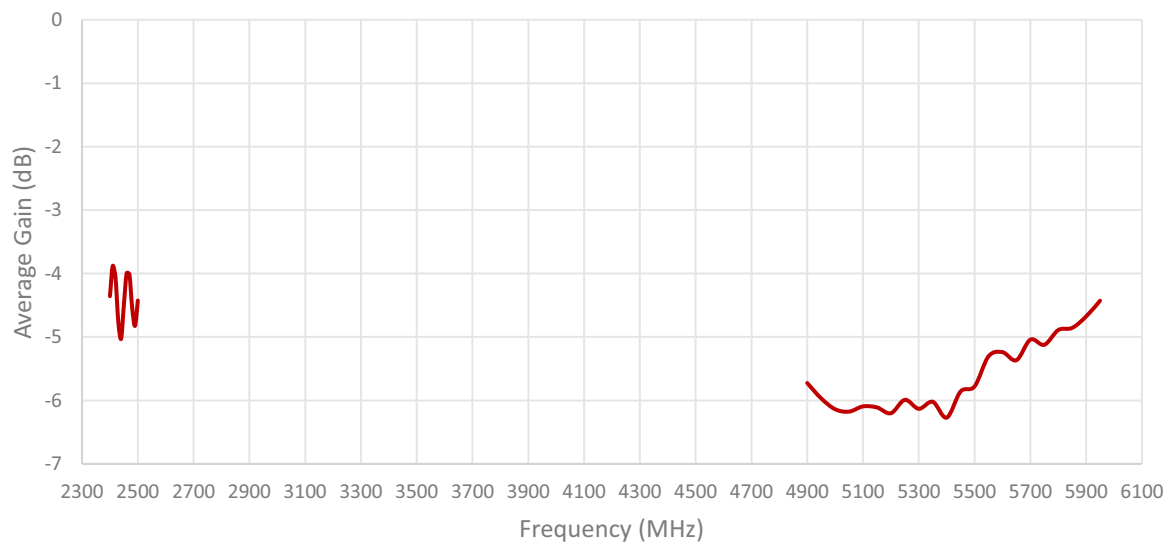
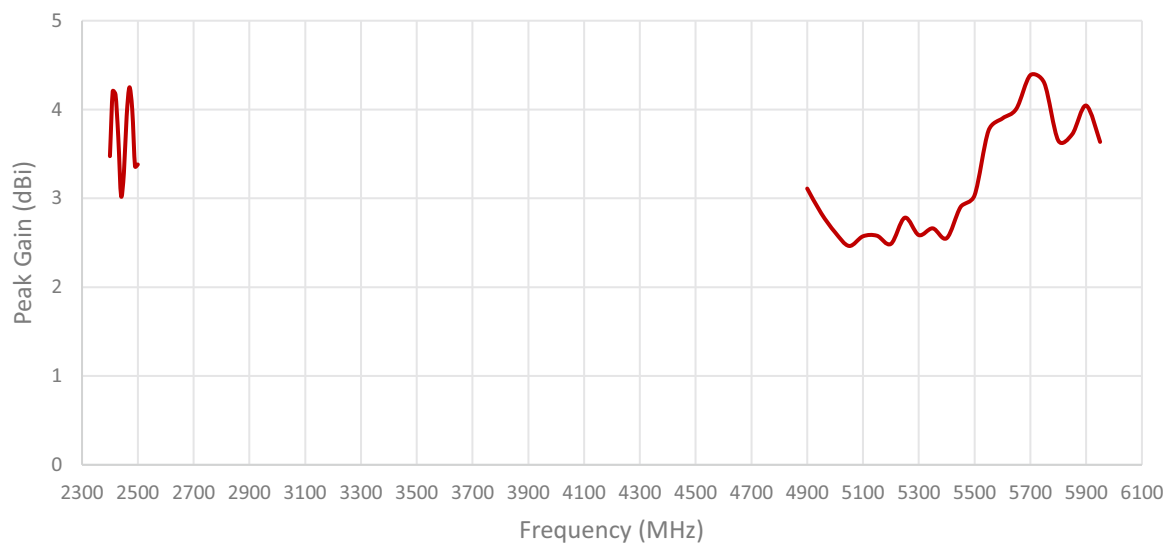
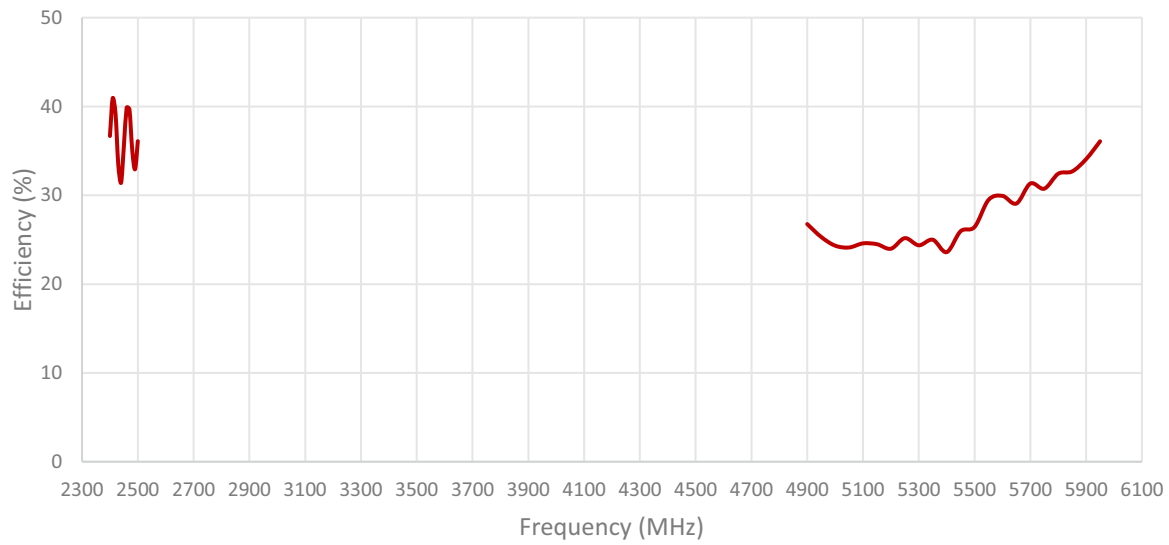
Cable 1: 2.4/5.0 GHz ISM



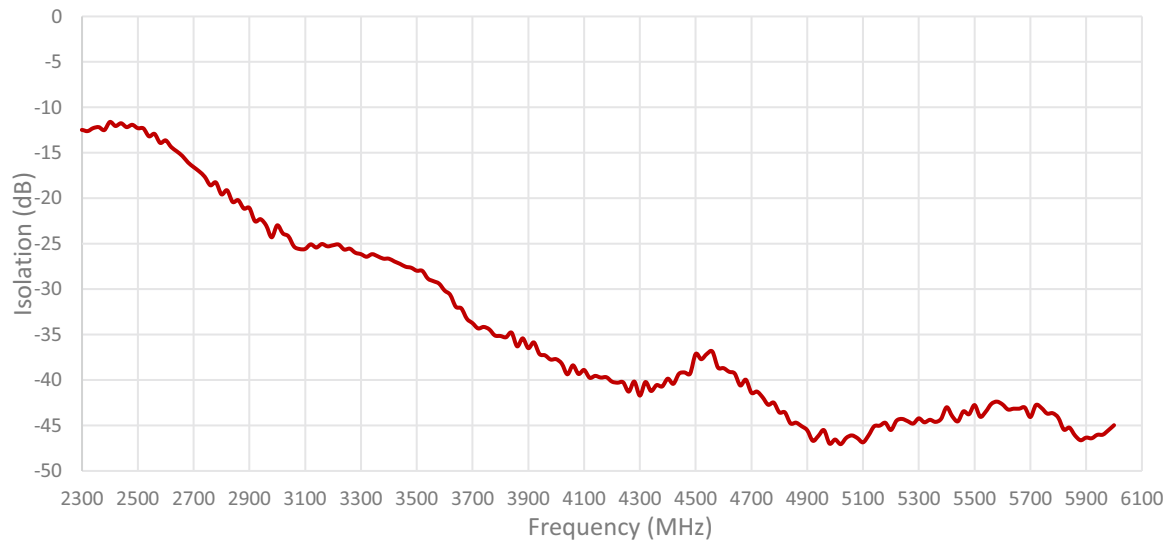


Cable 2: 2.4/5.0 GHz ISM

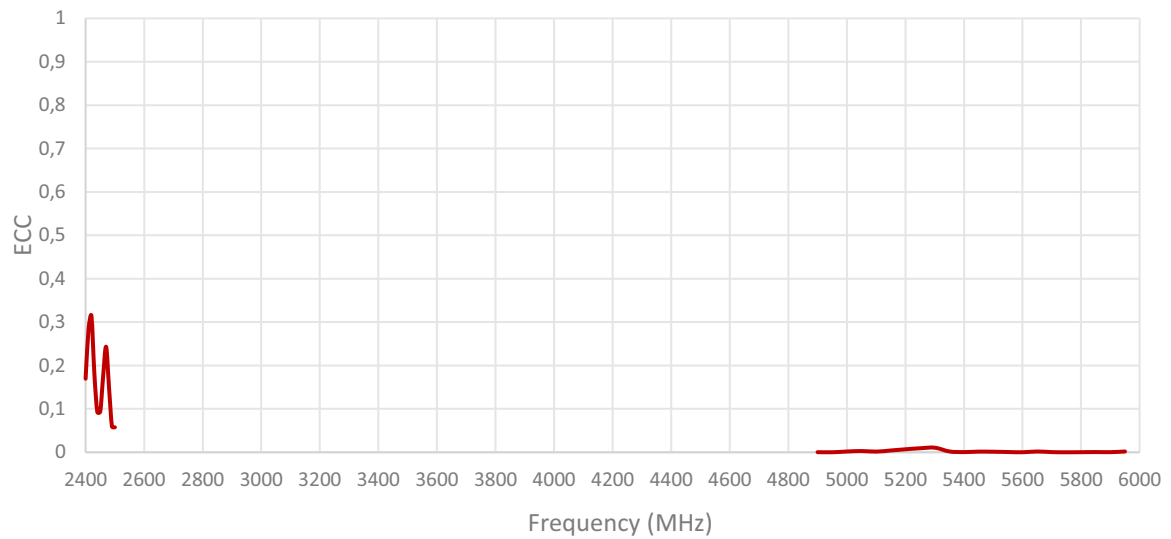


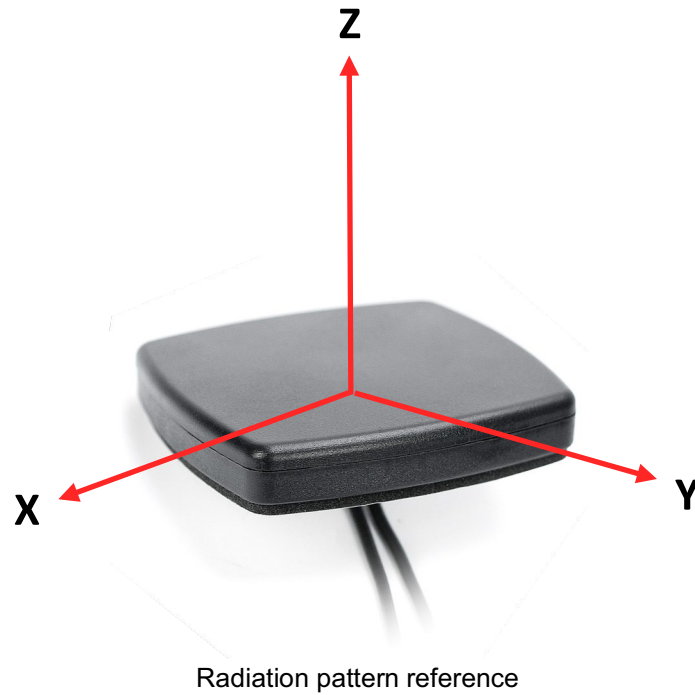


ISOLATION FOR CABLES 1 AND 2

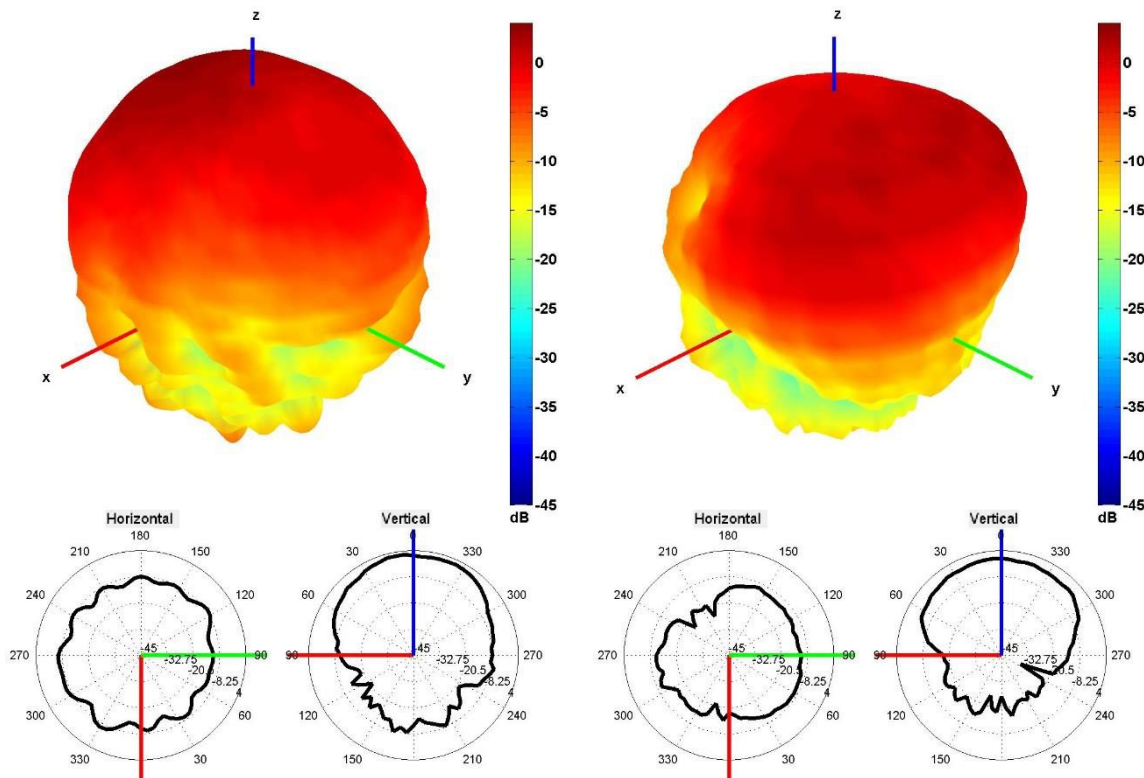


ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2

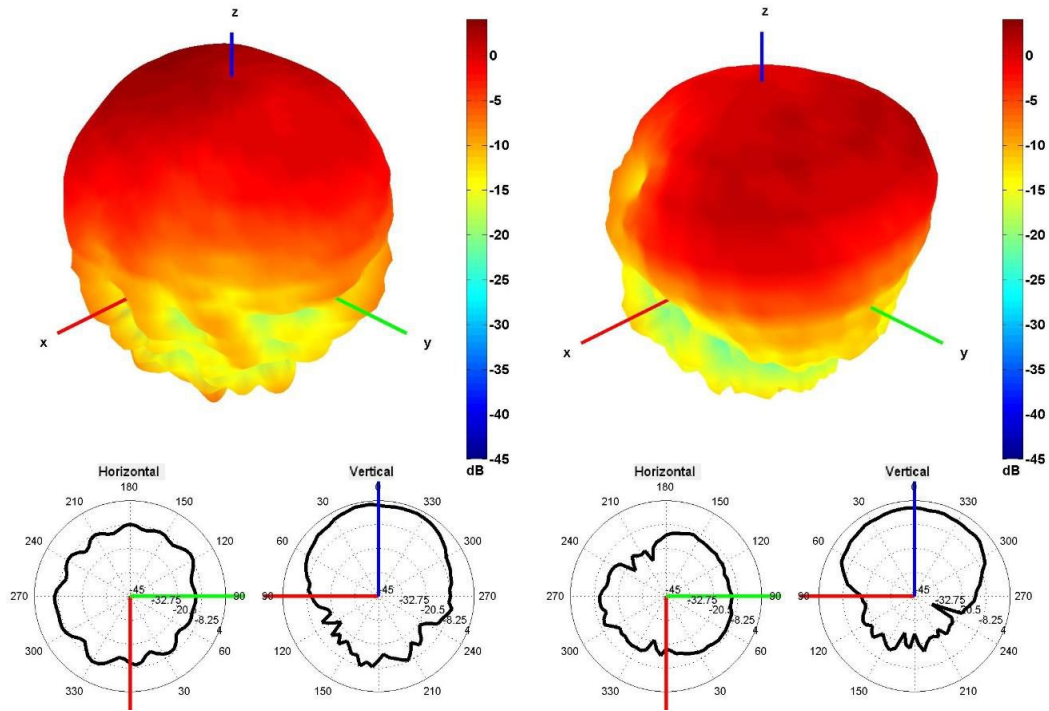




Cable 1: 2.4/5.0 GHz ISM



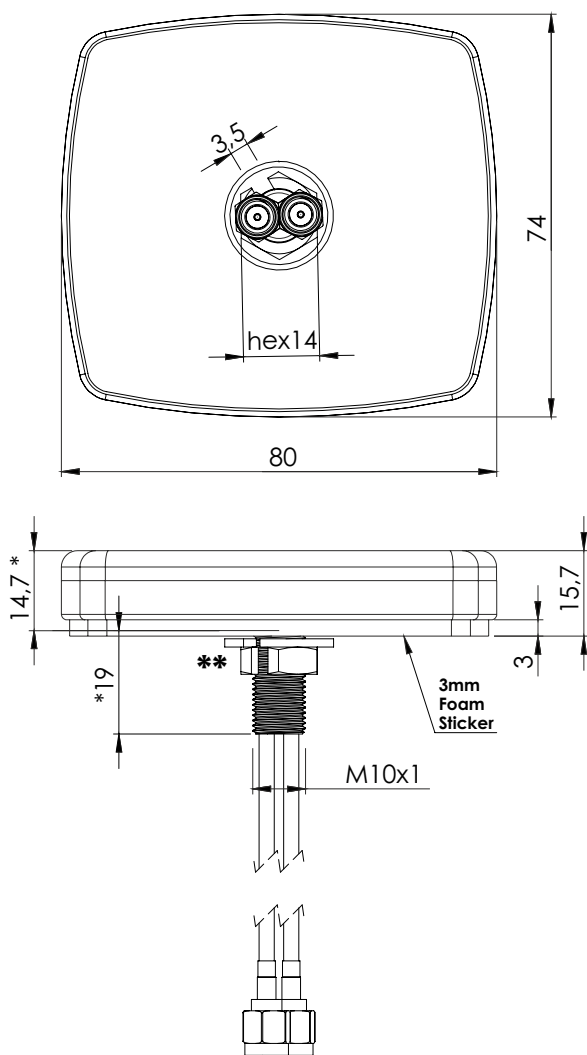
Cable 2: 2.4/5.0 GHz ISM



2450 and 5500 MHz Radiation pattern

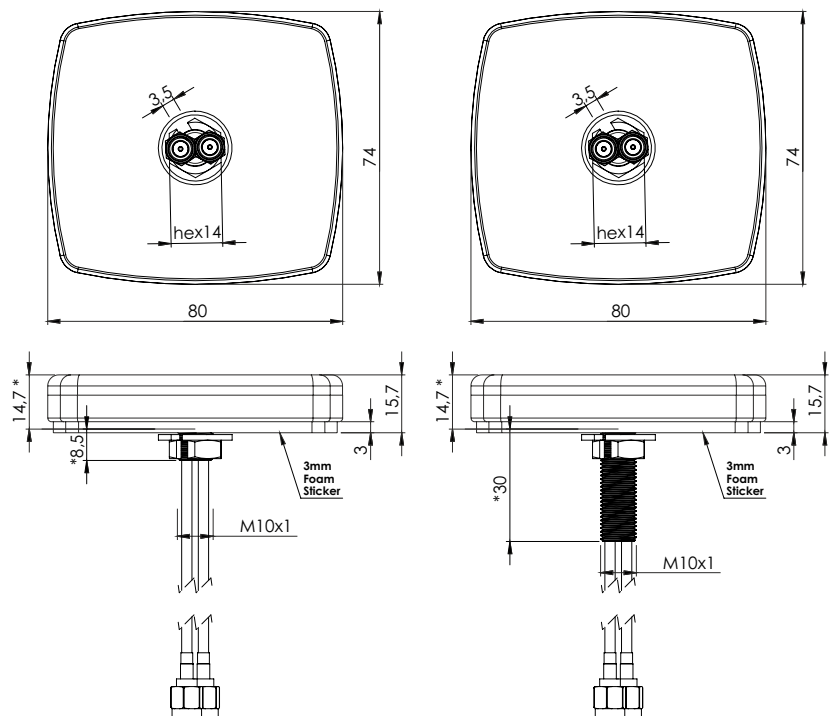
4. Antenna drawings

Default Thread Option



2J6002Ba-TH19
19 mm Thread
Default Option

Other Thread Options available



2J6002Ba-TH8,5
8,5 mm Thread

2J6002Ba-TH30
30 mm Thread

***Dimensions after mounting**
****Rec. Torque= 5 Nm**

5. Antenna Images

