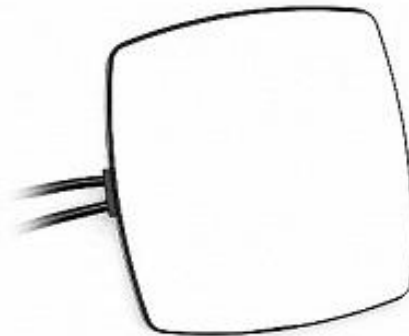


## AMC-ANT-2J6002Pa

2.4/5.0GHz ISM MIMO adhesive mount antenna

### Features

- **Cables 1 & 2: 2.4/5.0GHz ISM**
  - 2410 – 2490MHz
  - 4920 – 5925MHz
- Adhesive mount
- Ground plane independent
- Dimensions: 80 x 76 x 16mm
- Customisable cables and connectors



## 1. Antenna and electrical specifications

**Cable 1**

Parameters	2.4/5.0GHz ISM Antenna	
Standards	Wi-Fi, Bluetooth, ZigBee, ISM	
Band (GHz)	2.4	5.0
Frequency (MHz)	2410 - 2490	4920 - 5925
Return loss (dB)	~-16.7	~-14.2
VSWR	~1.4:1	~1.5:1
Efficiency (%)	~61.6	~44.6
Peak gain (dBic)	~5.0	~4.6
Average gain (dB)	~-2.1	~-3.5
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation pattern	Omni-directional	
Max. input power (W)	10	
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 ISM Antenna	
Standards	Wi-Fi, Bluetooth, ZigBee, ISM	
Band (GHz)	2.4	5.0
Frequency (MHz)	2410 - 2490	4920 - 5925
Return loss (dB)	~-17.0	~-16.9
VSWR	~1.4:1	~1.5:1
Efficiency (%)	~60.1	~41.2
Peak gain (dBic)	~4.8	~5.3
Average gain (dB)	~-2.2	~-3.9
Impedance (Ohms)	50	
Polarisation	Linear	
Radiation pattern	Omni-directional	
Max. input power (W)	10	
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:**

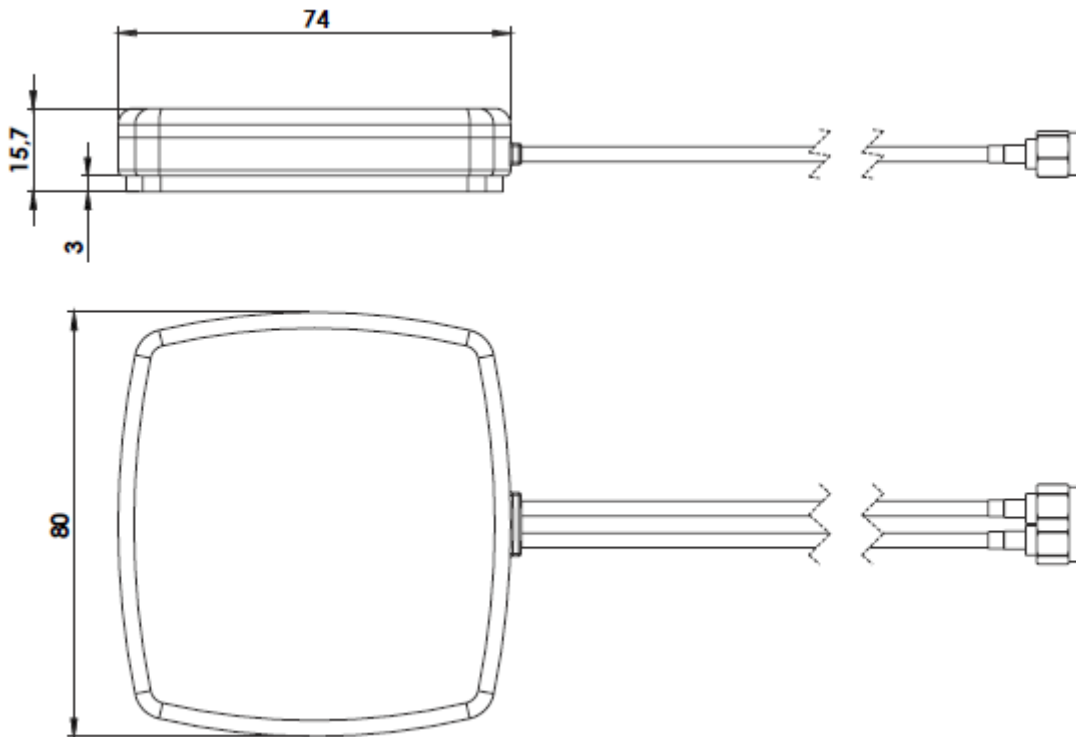
- Mounted on 30 x 30cm metal plate
- 100cm DACAR 302 cable
- Measured in certified CTIA 3D anechoic chamber



## 2. Mechanical and environmental specifications

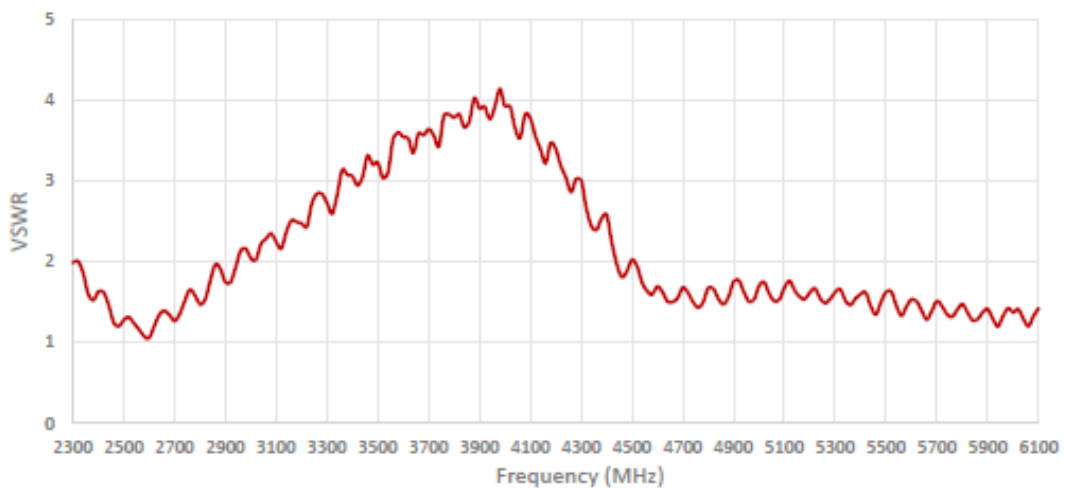
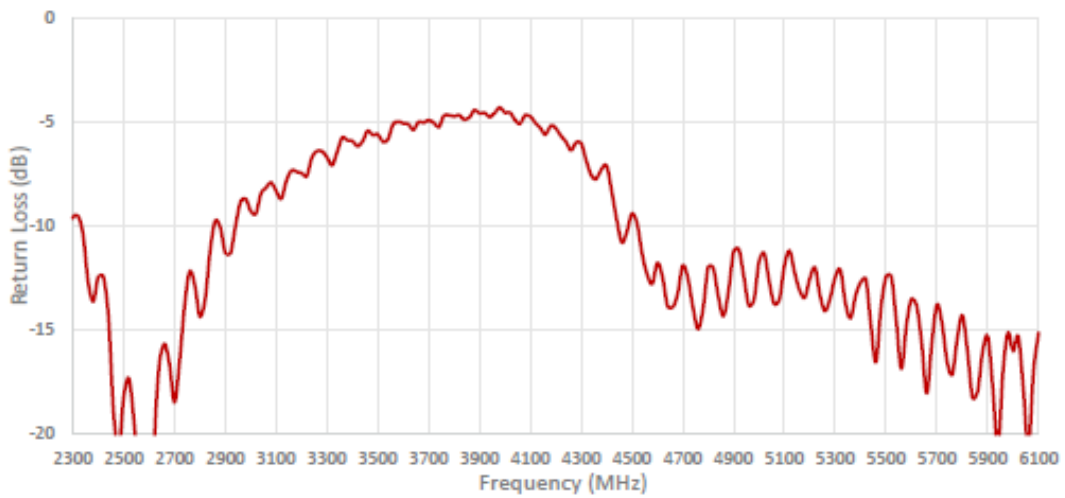
Mounting type	Adhesive mount
Dimensions (mm)	80 x 76 x 16
Radome type	ABS UV Stable
Radome colour	Black or White
Operating temperature (°C)	-40 to +85
Storage temperature (°C)	-40 to +85
Substance compliance	RoHS

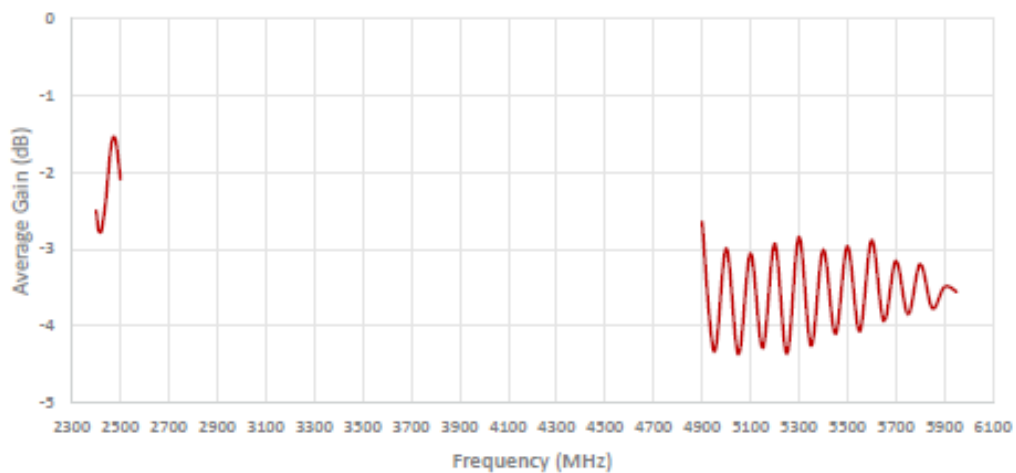
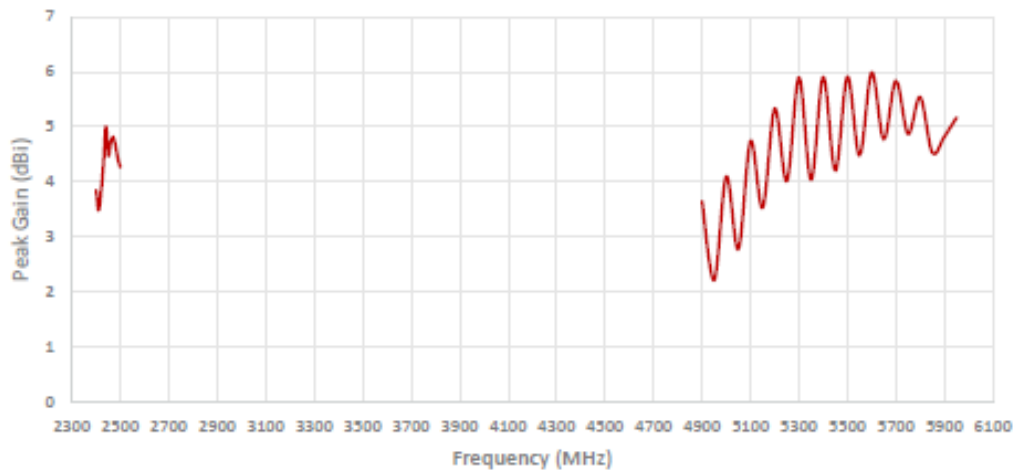
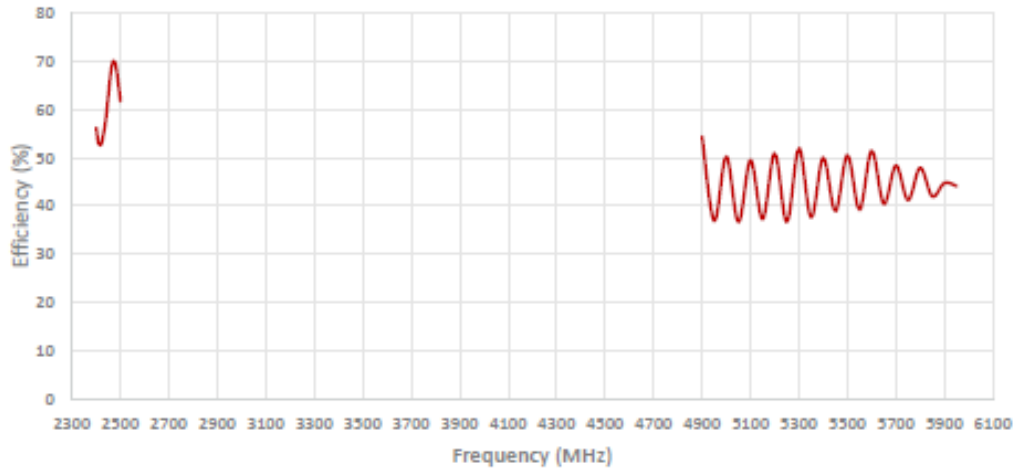
## 3. Antenna drawings



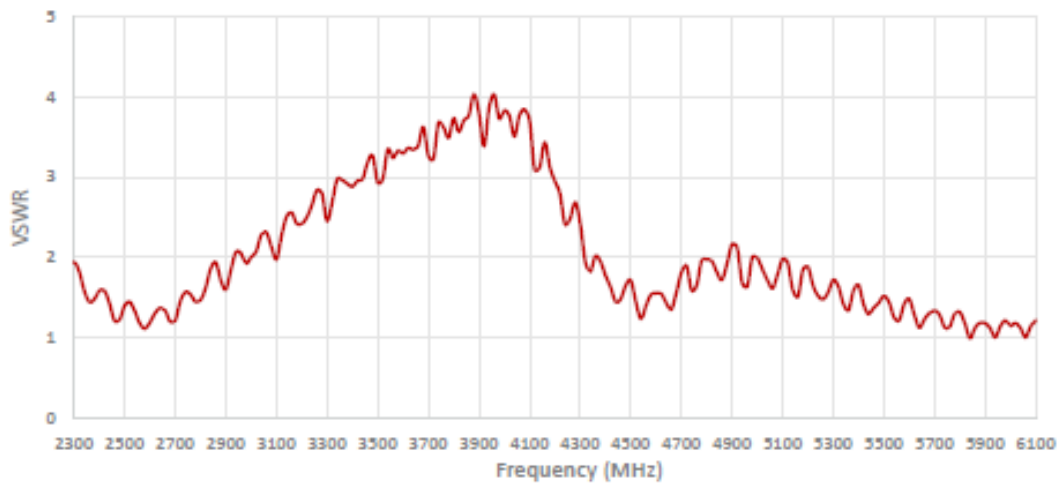
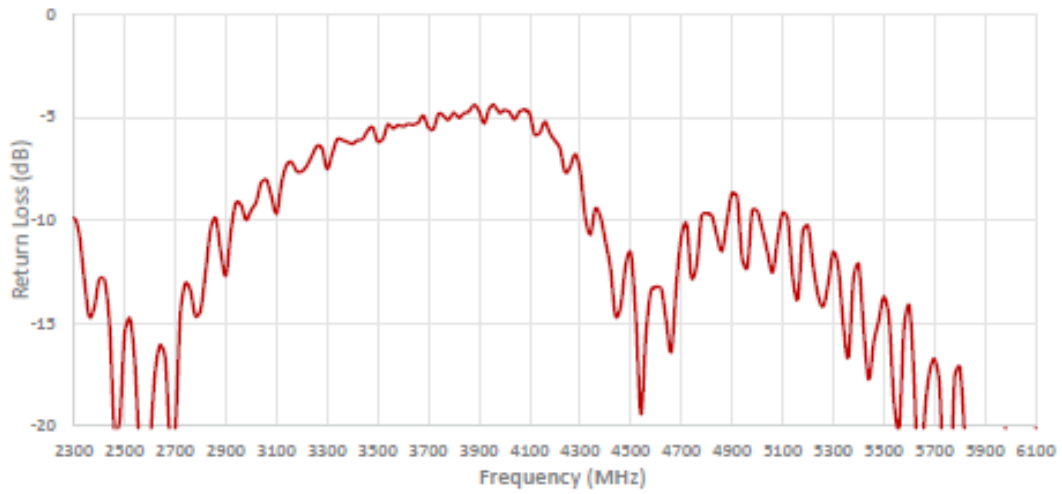
## 4. Antenna parameters

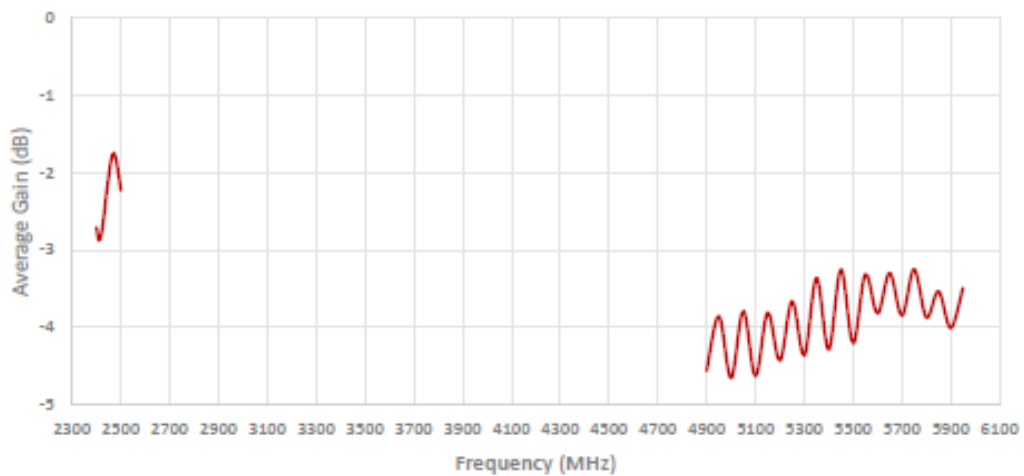
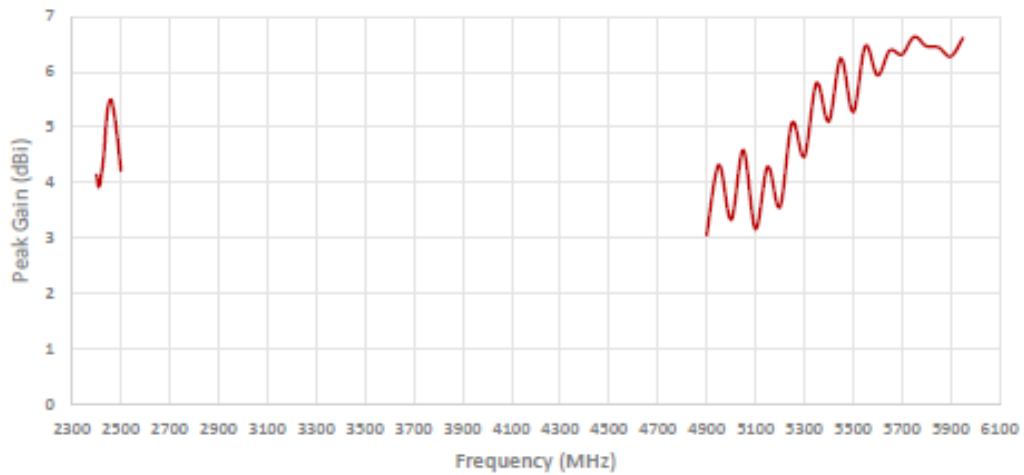
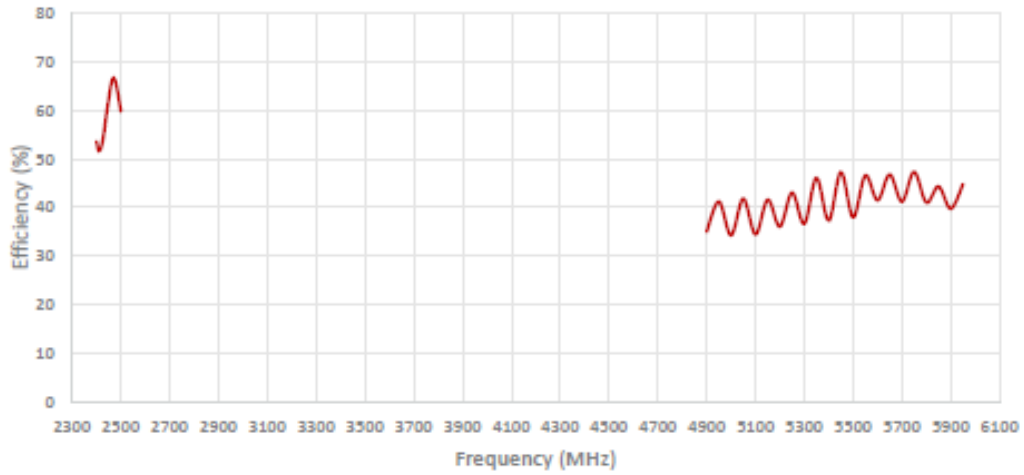
Table 1: 2.4/5.0 GHz ISM





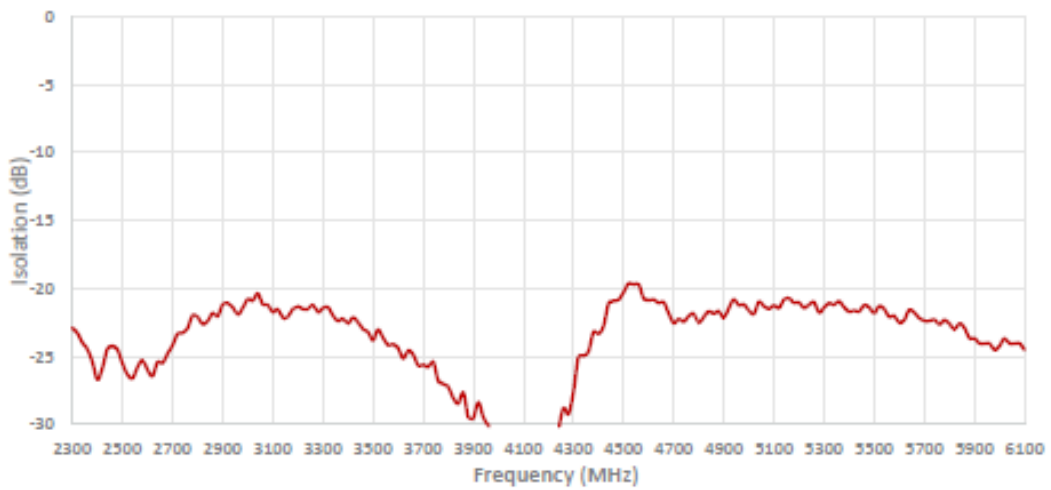
**Cable 2: 2.4/5.0 GHz ISM**



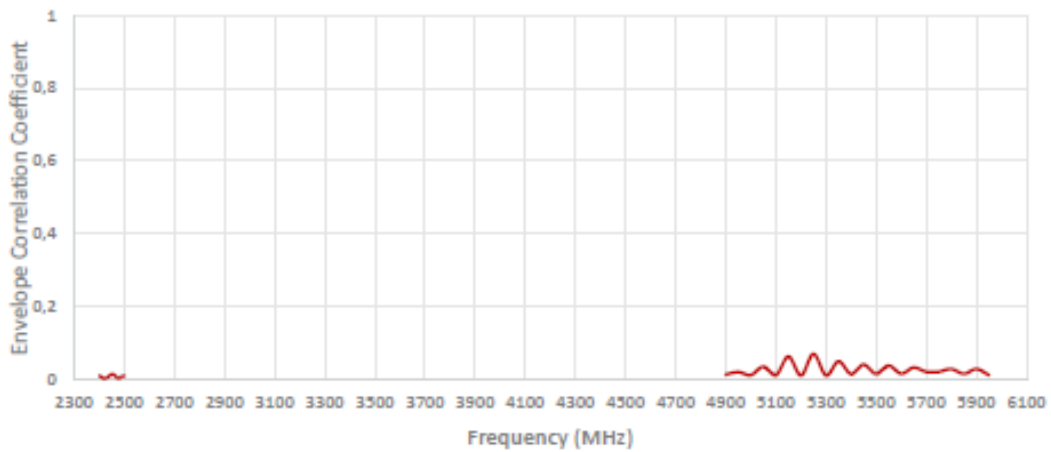


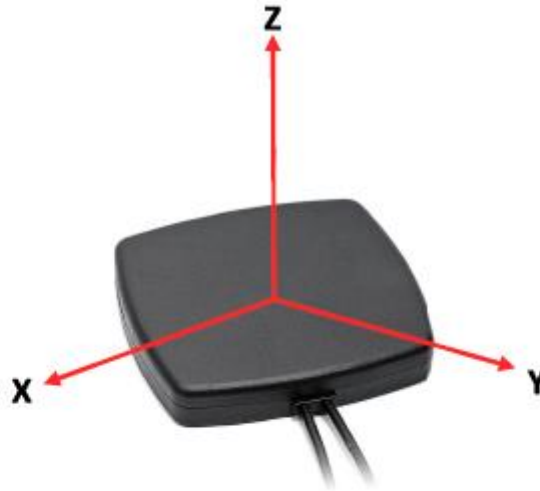


**ISOLATION FOR CABLES 1 AND 2**

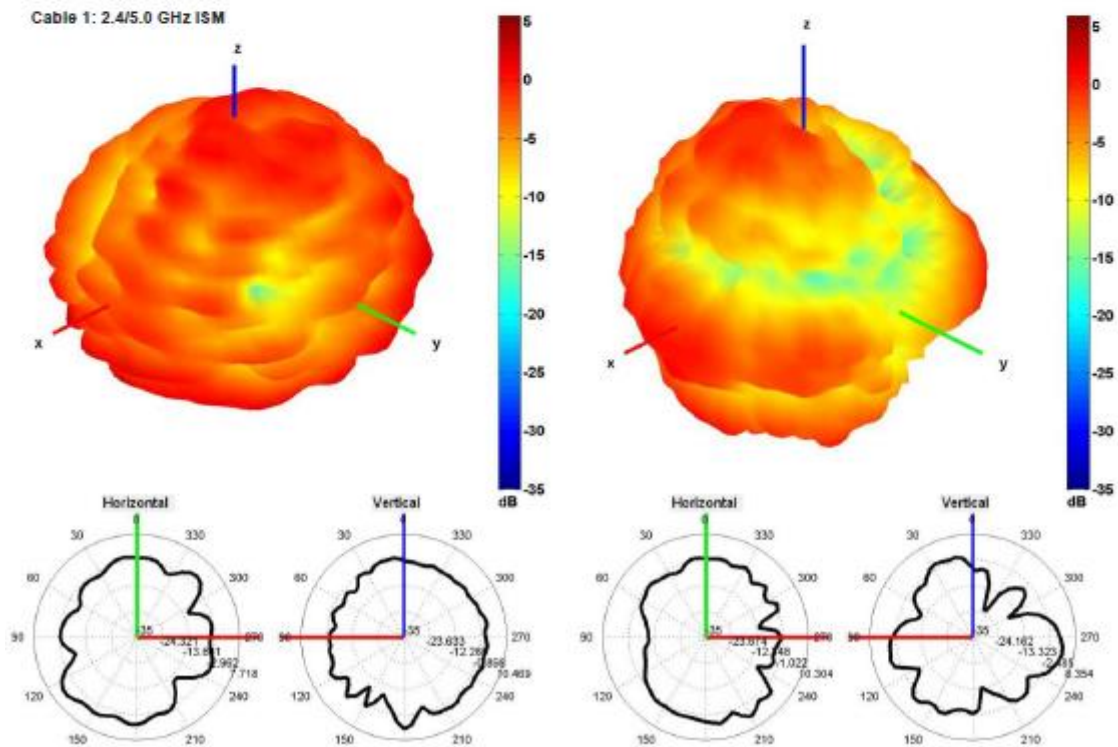


**ENVELOPE CORRELATION COEFFICIENT FOR CABLES 1 AND 2**



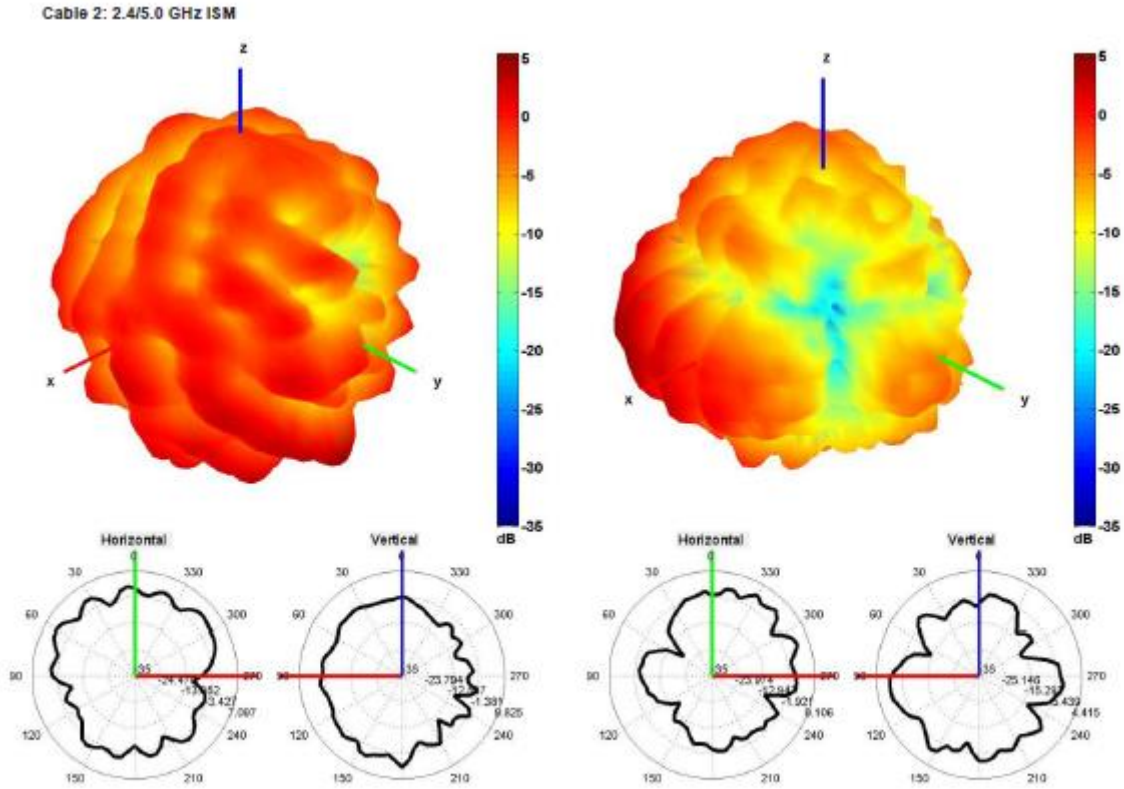


Radiation pattern reference



2450 and 5500 MHz Radiation pattern





2450 and 5500 MHz Radiation pattern

