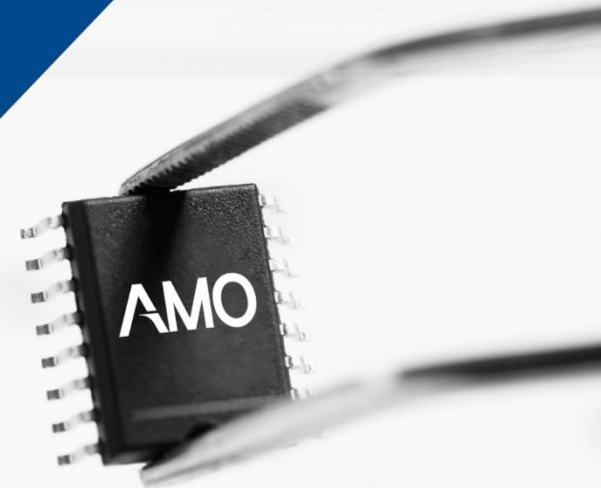


Antenna Specification

Antenna P/N : AMO-MCA-KM001

Application : Dual WiFi

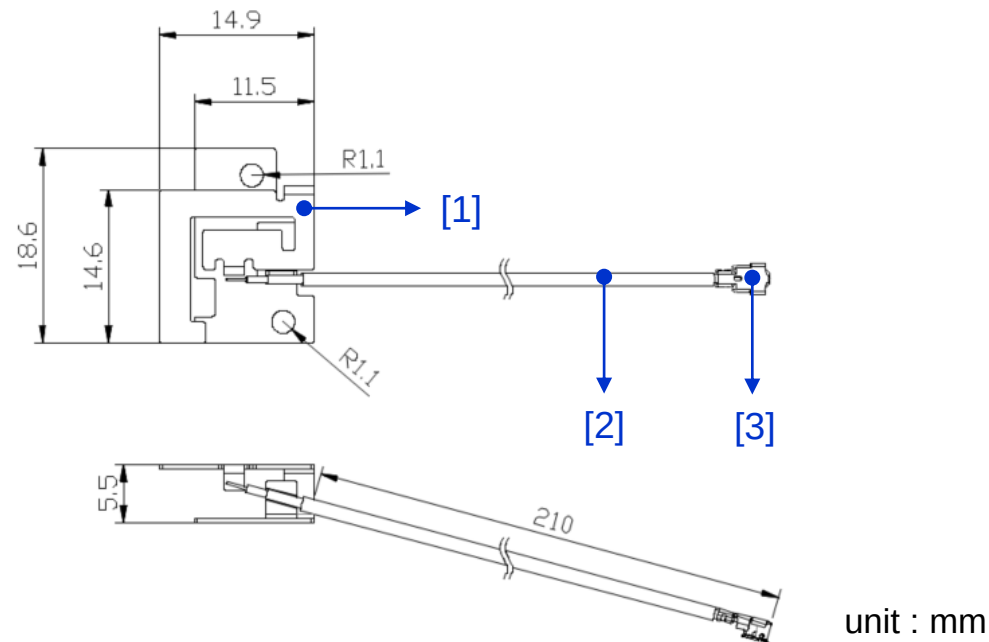
Date : 2024. 09. 19



Confidential

1. Antenna Mechanical specification

1-1) Antenna drawing



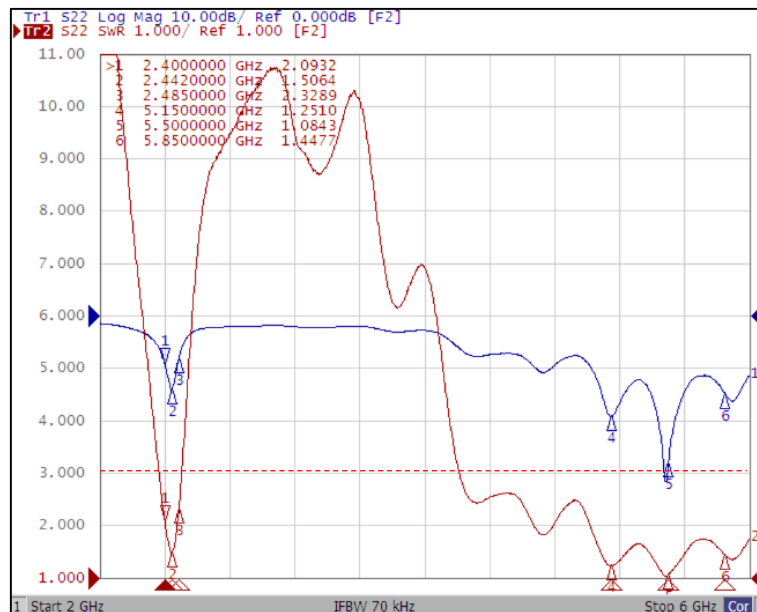
1-2) Mechanical specifications

No	Item	Specifications	Remark
[1]	Metal stamped	14.9 x 18.6 x 5.5 mm	German silver (0.4T)
[2]	RF cable	D1.32 mm, Total length 219 mm	
[3]	RF connector	IPEX MHF I	

2. Antenna Electrical specification

2-1) Electrical specifications

No	Item	Specifications	Remark
1	Frequency Range	2400 ~2485 / 5150 ~ 5850 MHz	
2	VSWR	Max 3.0:1	
3	Polarization	Linear	
4	Impedance	Nominal 50 Ω	
5	Radiation Pattern	Omni - directional	



Measured VSWR of AMO-MCA-KM001

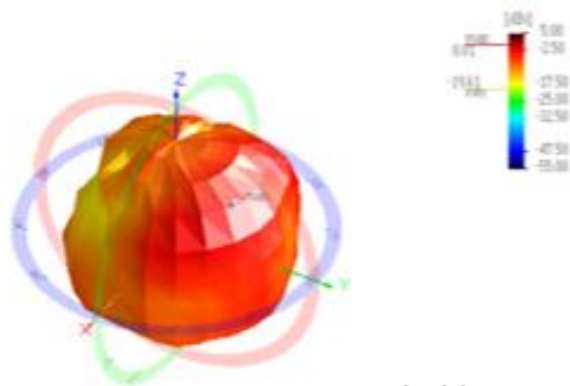
2. Antenna Electrical specification

2-2) Antenna gain table

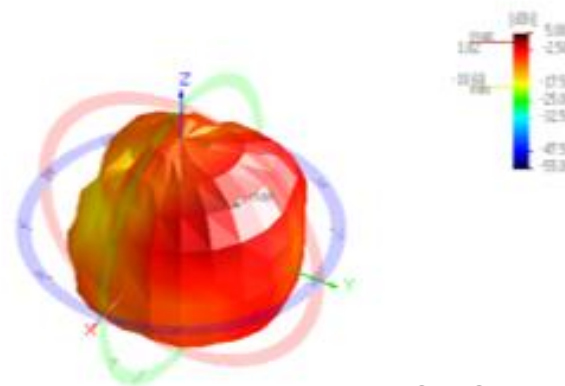
Frequency [MHz]	Efficiency [%]	Avg. Gain [dBi]	Peak Gain [dBi]
2400	22.65	-6.45	0.01
2442	37.04	-4.31	1.02
2485	25.03	-6.02	0.04
5150	22.12	-6.55	2.22
5500	24.86	-6.05	2.39
5850	29.94	-5.24	2.46

2. Antenna Electrical specification

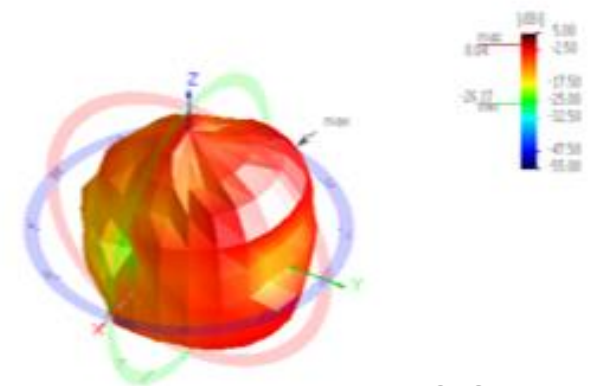
2-3) 3D radiation patterns



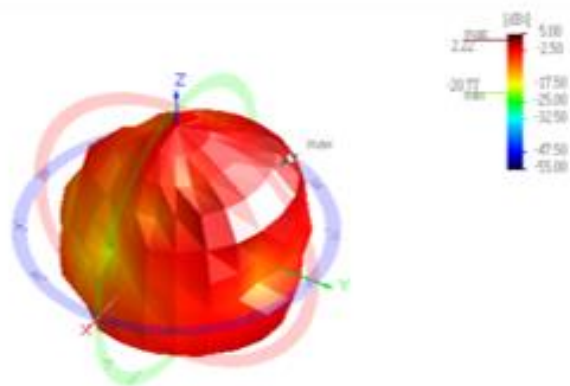
2400 MHz



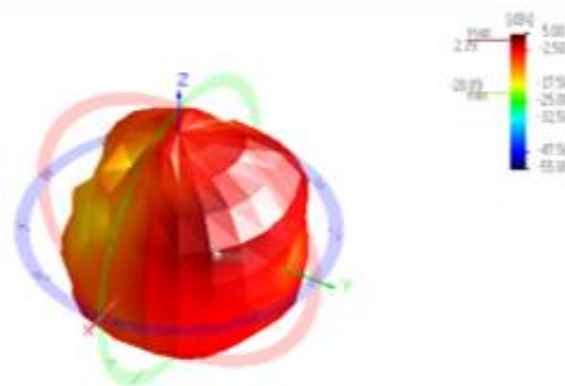
2442 MHz



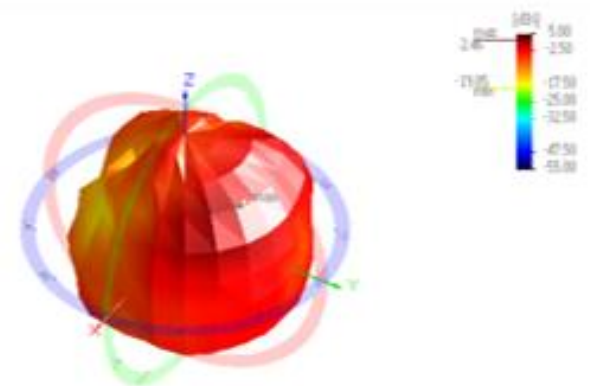
2485 MHz



5150 MHz



5500 MHz



5850 MHz