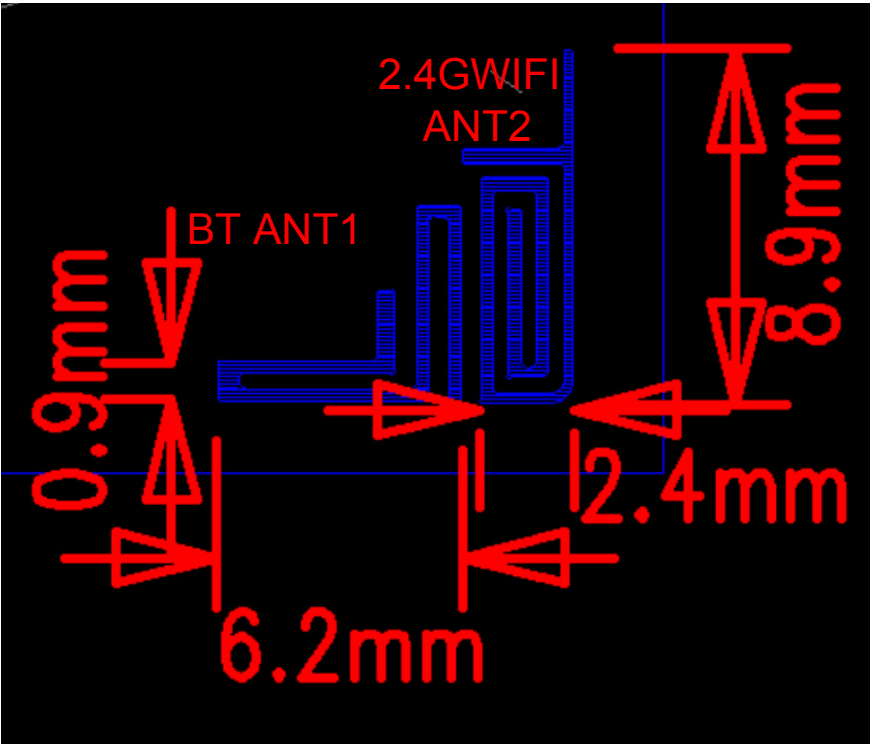
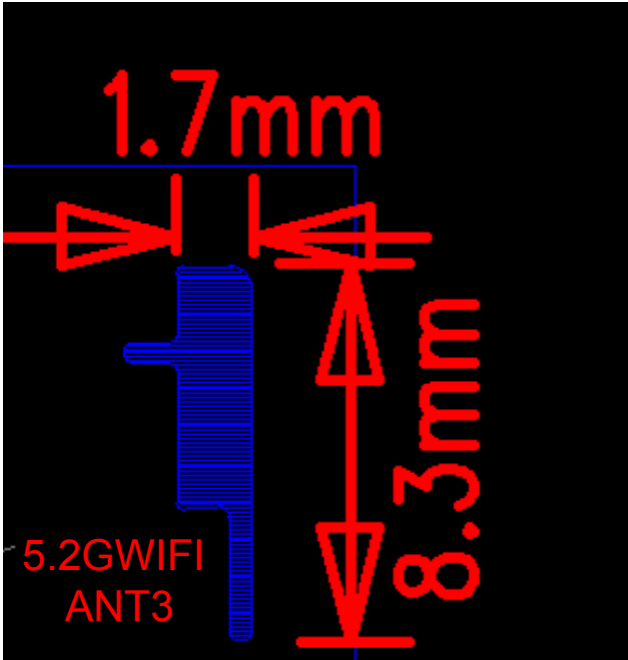


For Bluetooth / WLAN Applications



	Dimension (mm)
L	8.6 ± 0.20
W	8.9 ± 0.20

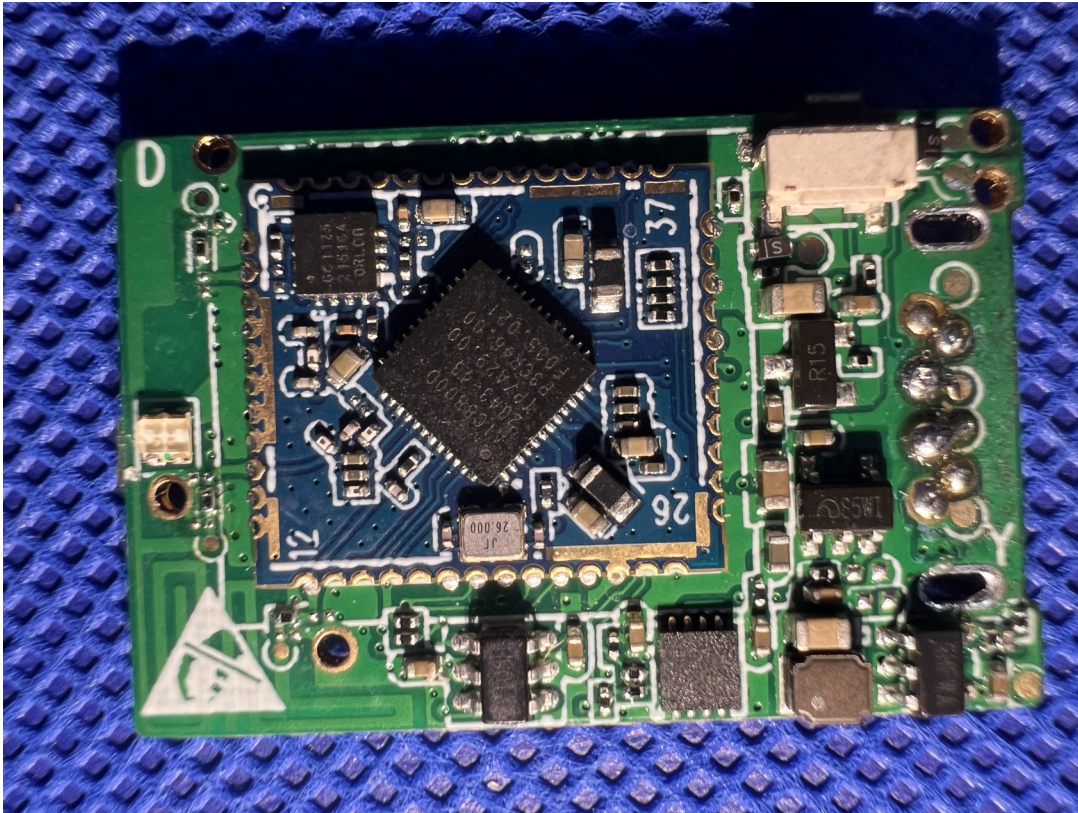
A	Product Series	Antenna
B	Dimension L x W	8.6X8.9 mm (+-0.2mm)
C	Material	High K material
D	Working Frequency	2.4G / 5G Hz
E	Feeding mode	Monopole & Single Feeding
F	Antenna type	0X=03,04,05 / Type=03,04,05

1. Electrical Specification

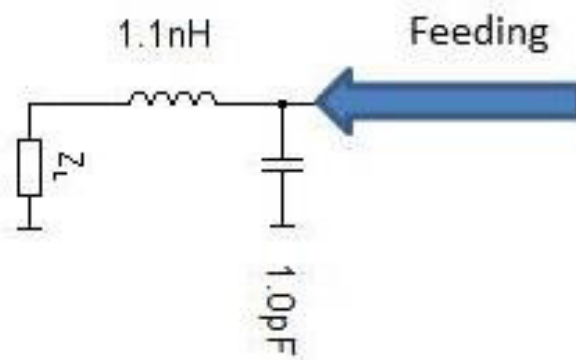
Specification		
Frequency	2400-2500, 5150-5250	MHz
Bandwidth	100 (Min.)	MHz
Return Loss	-6.5 (Max)	dB
Peak Gain	2.4G: 2.41(Max), 5.2G: 2.86(Max)	dBi
Impedance	50	Ohm
Operating Temperature	-40~+85	°C
Maximum Power	4	W
Resistance to Soldering Heats	10 (@ 260°C)	sec.
Polarization	Linear	
Azimuth Beamwidth	Omni-directional	
Termination	Cu / Sn (Leadless)	

Remark : Bandwidth & Peak Gain was measured under evaluation board of next page

2. Recommended PCB Pattern

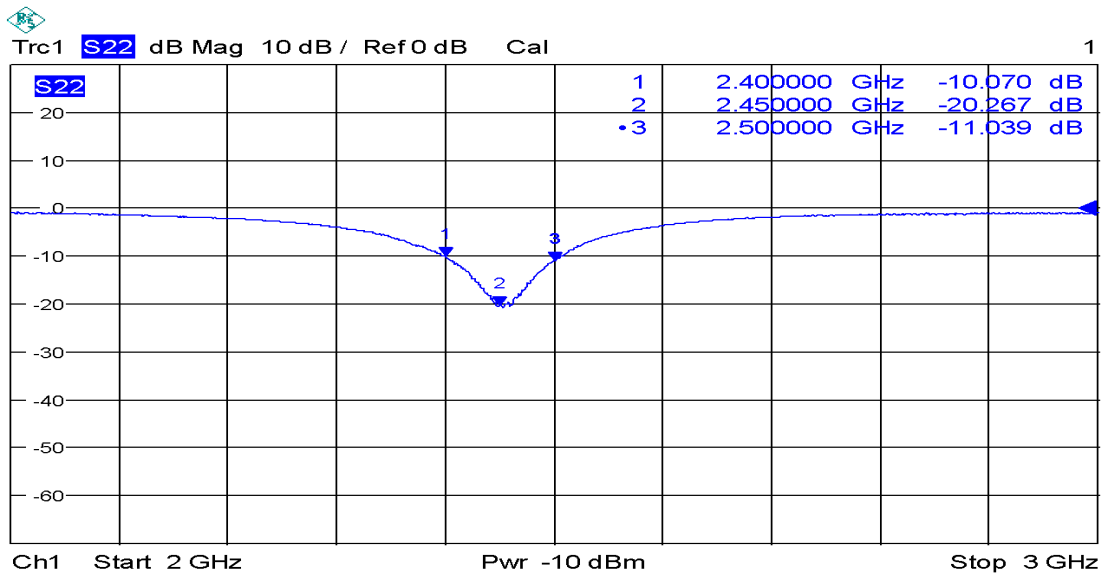


Suggested Matching Circuit



3. Measurement Results

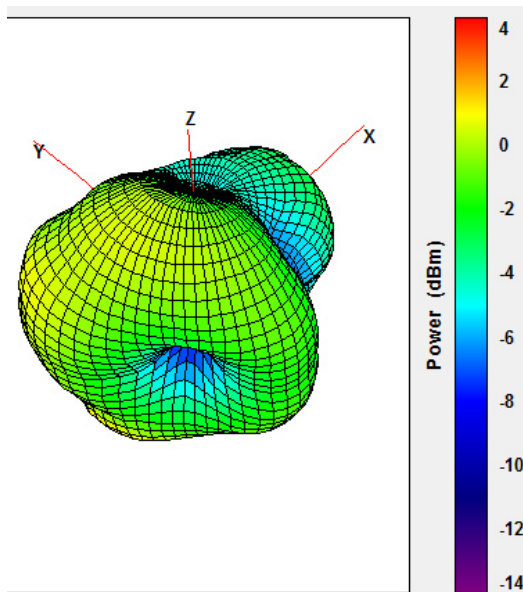
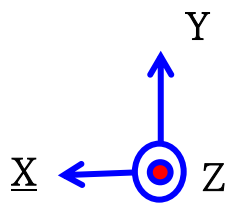
Return Loss



Radiation Pattern

BT ANT1

Test frequency:2450MHz

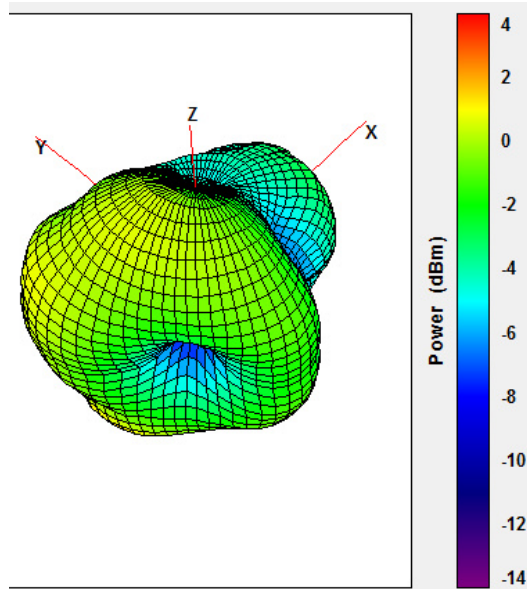
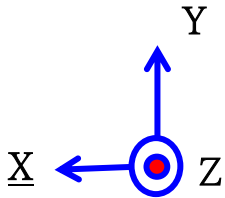


	Efficiency	Peak Gain	Directivity
2400MHz	49.21 %	1.15 dBi	5.32 dB
2450MHz	60.45 %	2.41 dBi	5.21 dB
2500MHz	51.53 %	1.68 dBi	5.29 dB

Radiation Pattern

2.4G ANT2:

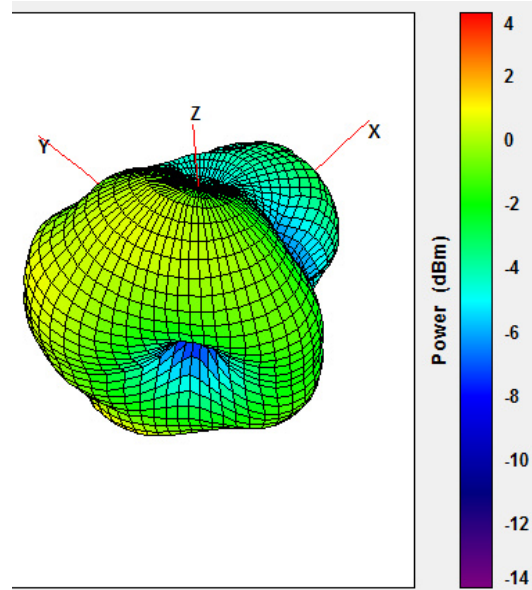
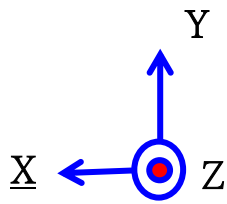
Test frequency:2450MHz



	Efficiency	Peak Gain	Directivity
2400MHz	49.65 %	1.18dBi	5.37 dB
2450MHz	61.43%	2.41 dBi	5.22 dB
2500MHz	50.95%	1.65dBi	5.24dB

5.2G ANT3:

Test frequency:5200MHz



	Efficiency	Peak Gain	Directivity
5150MHz	49.36 %	1.22 dBi	5.45 dB
5200MHz	60.84 %	2.86 dBi	5.38 dB
5250MHz	51.72 %	1.19 dBi	5.16 dB

Chamber Coordinate System

