

Bluetooth antenna specification

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Antenna Model: 2.4GHZ PCB antenna
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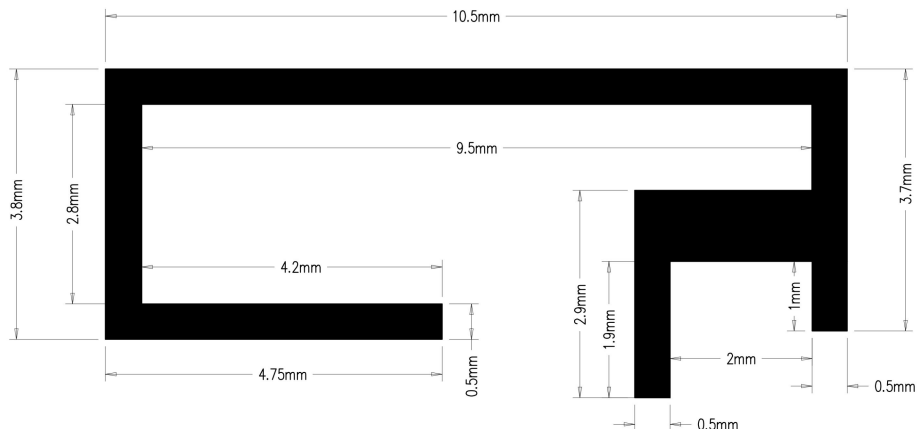
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2. Spec Drawing

Unit: mm



3. Specification

Product Number: 2.4GHZ antenna

Sample Photo:



A. Electrical Characteristics

Frequency	2400 ~ 2500 MHz
S.W.R.	≤ 2.3
Gain	-0.19 dBi
Efficiency	41.9%
Polarization	Linear
Impedance	50 Ohm

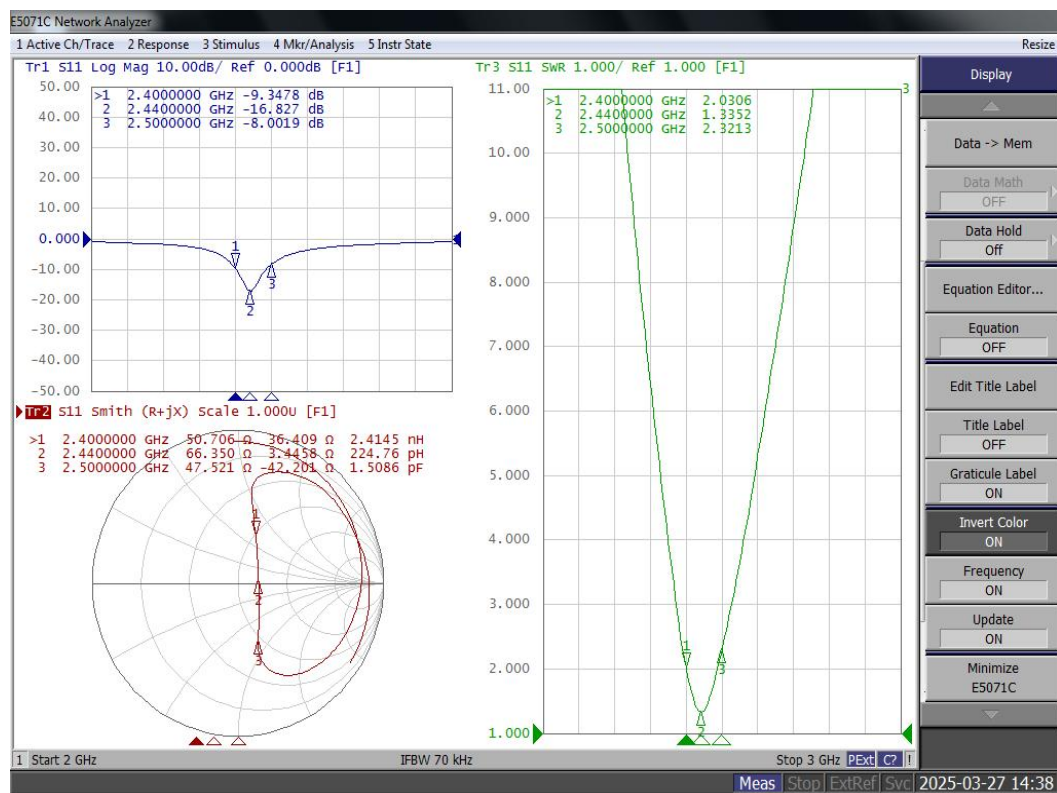
B. Material & Mechanical Characteristics

Material of Radiator	copper
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C. Environmental

Operation Temperature	- 40°C ~ + 85°C
Storage Temperature	- 40°C ~ + 105°C

4. V.S.W.R



Data list

Freq	2.4	2.44	2.5
VSWR	2.03	1.33	2.32

5. Efficiency and Gain Data list

Freq (MHz)	Gain (dBi)	Efficiency (%)
2400	-0.53	41.74
2410	-0.41	42.67
2420	-0.28	43.36
2430	-0.19	43.74
2440	-0.27	43.94
2450	-0.28	45.09
2460	-0.59	44.27
2470	-0.85	42.88
2480	-1.06	40.95

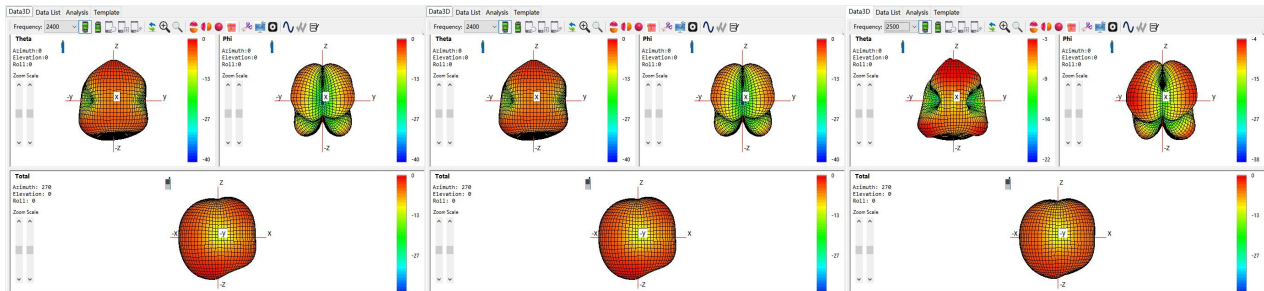
2490	-1.37	37.82
2500	-1.81	34.84

6. 3D Map

2400MHz

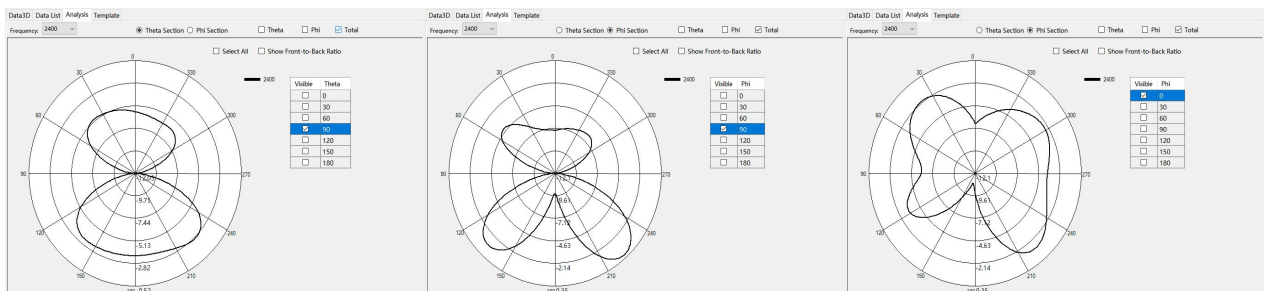
2450MHz

2500MHz

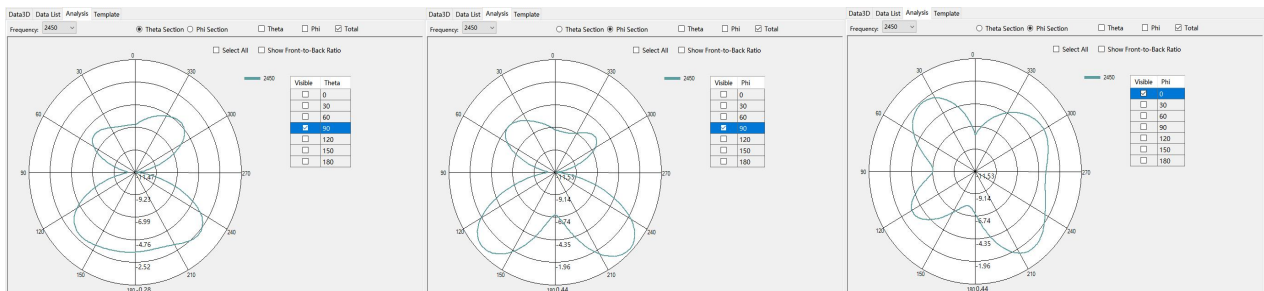


7. 2D Figure

2400MHz Gain=-0.35dBi



2450MHz Gain=-0.28dBi



2500MHz Gain=-1.81dBi

