



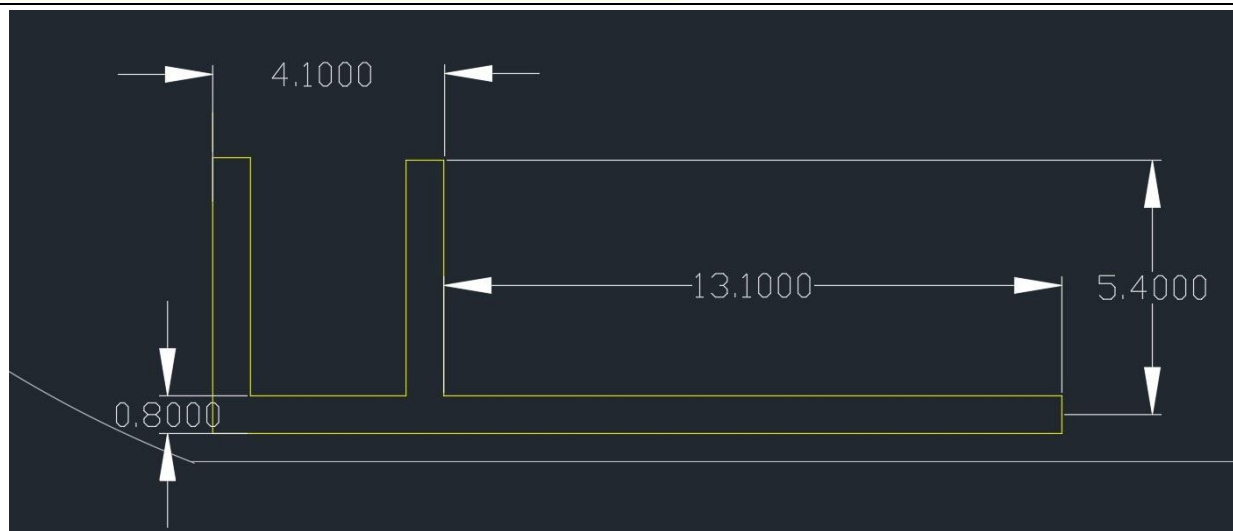
SA1 antenna specification

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Description	
Project Name	EH15
Operation Band	Bluetooth
Frequency	2400MHz-2500MHz
Gain	0.5dBi
Antenna Type	PCB
Testing Equipment	
VNA	E5071C
Chamber	Guangping Chamber system
Time	2026-8-6

1 Antenna pattern



2 Passive data

2.1 S11

Fre(MHz)	2400	2450	2500
Result(dB)	-18	-23	-11

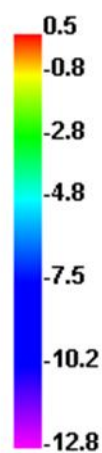
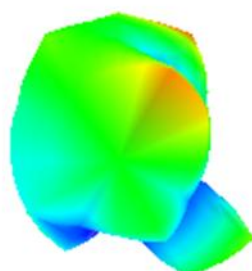
2.2 Efficiency & Gain

Fre (MHz)	Eff (%)	Eff (dB)	Gain (dBi)
2400	37.09	-4.31	0.5
2410	31.92	-4.96	-0.11
2420	29.7	-5.27	-0.38
2430	25.48	-5.94	-1.14
2440	27.64	-5.58	-0.75
2450	27.42	-5.62	-0.85
2460	25.42	-5.95	-1.28
2470	23.97	-6.2	-1.64
2480	25.76	-5.89	-1.41
2490	23.2	-6.34	-1.75
2500	17.96	-7.46	-2.97

2.3 Radiation Pattern

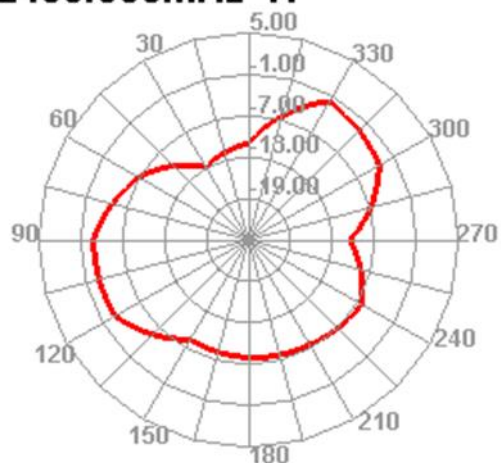
3D pattern

2400.000MHz



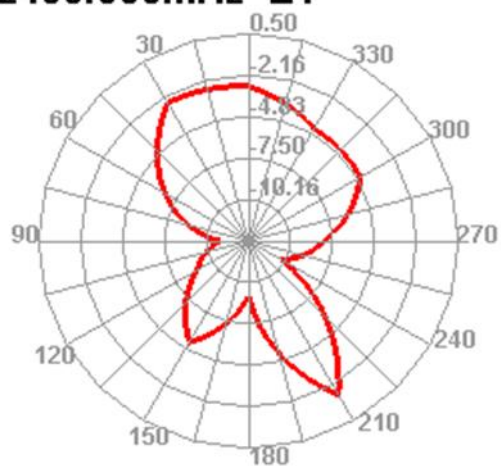
H-plane

2400.000MHz H



E1-plane

2400.000MHz E1



E2-plane

2400.000MHz E2

