

Product Datasheet

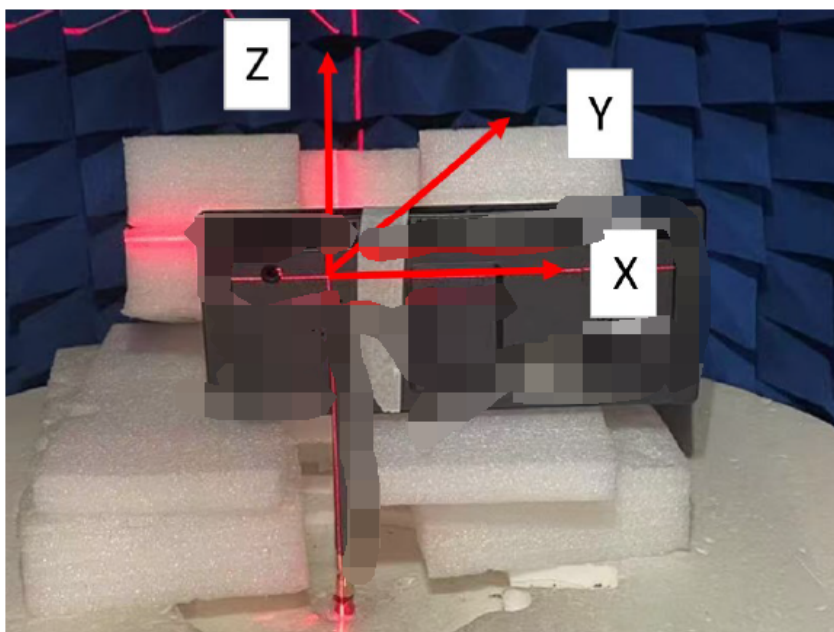
Customer	
Part Number	W40WIFI
Product Type	WIFI Antenna
Issue Date	2025.1.22
Rev.	C
Maker	Rma
Approval	Maye

Customer Approval

List

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Product Layout



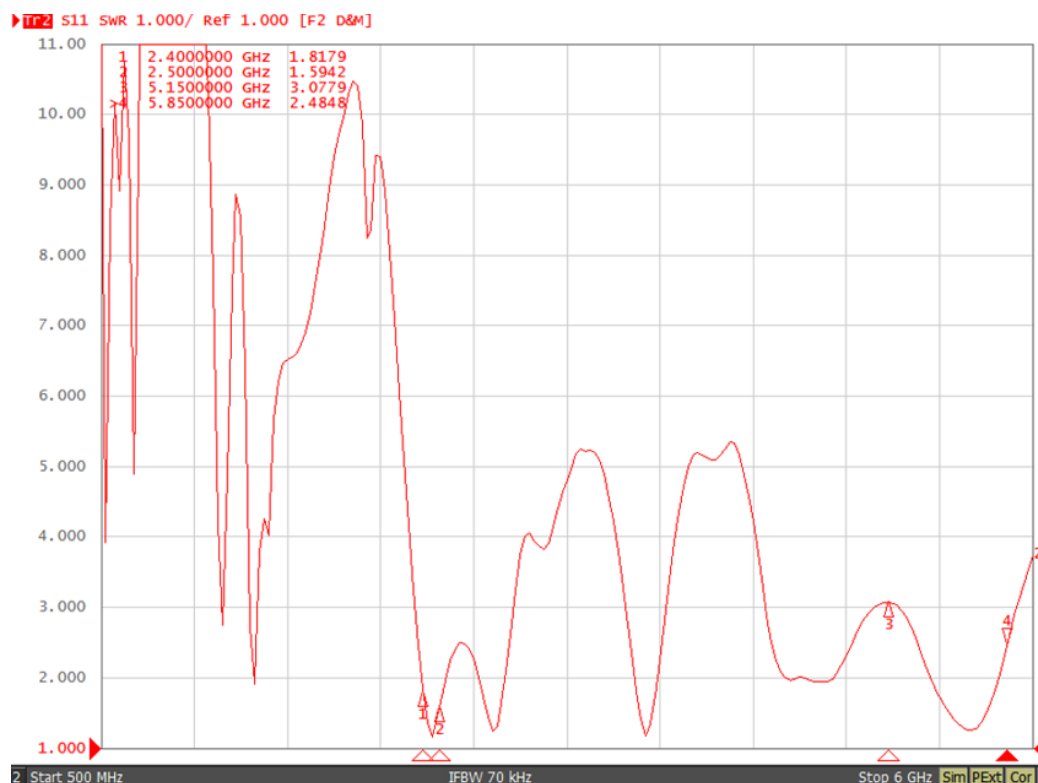
Antenna Specification

Type	WIFI Antenna
Frequency range	2400~2500MHz, 5150~5850MHz
Polarization	Linear
Impedance	50Ω
Operating temperature	-40~+85℃
Cable	Φ1.37 BLACK
Connector	RF1-CM

Antenna Matching

No change be done on the prototype's original circuit.

Antenna VSWR

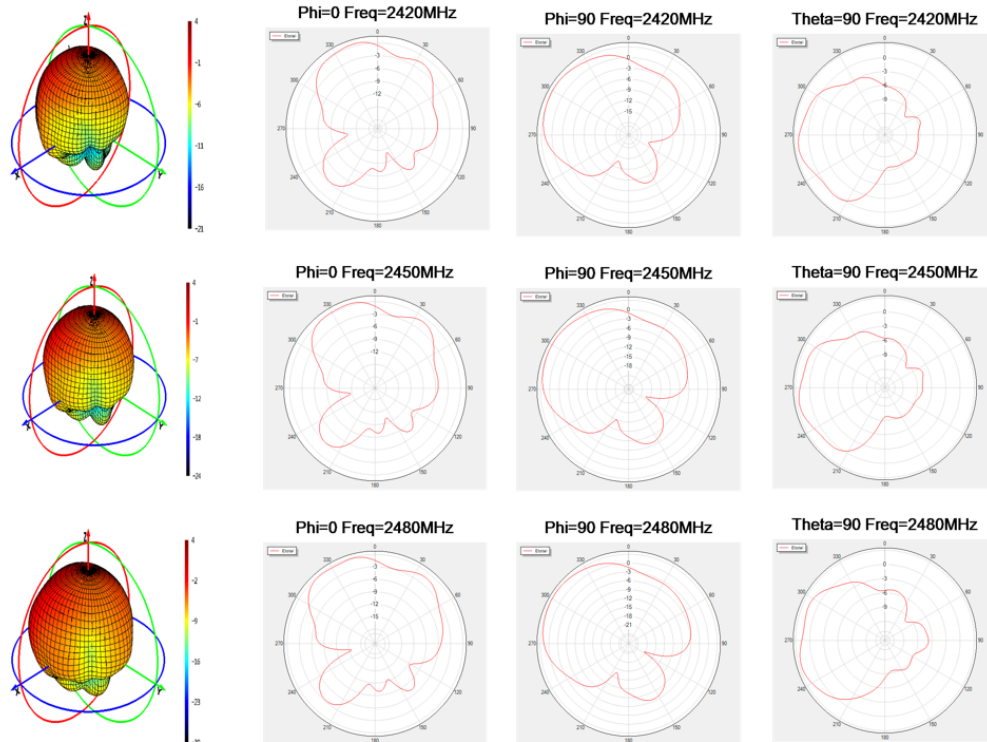


Antenna Gain & Efficiency

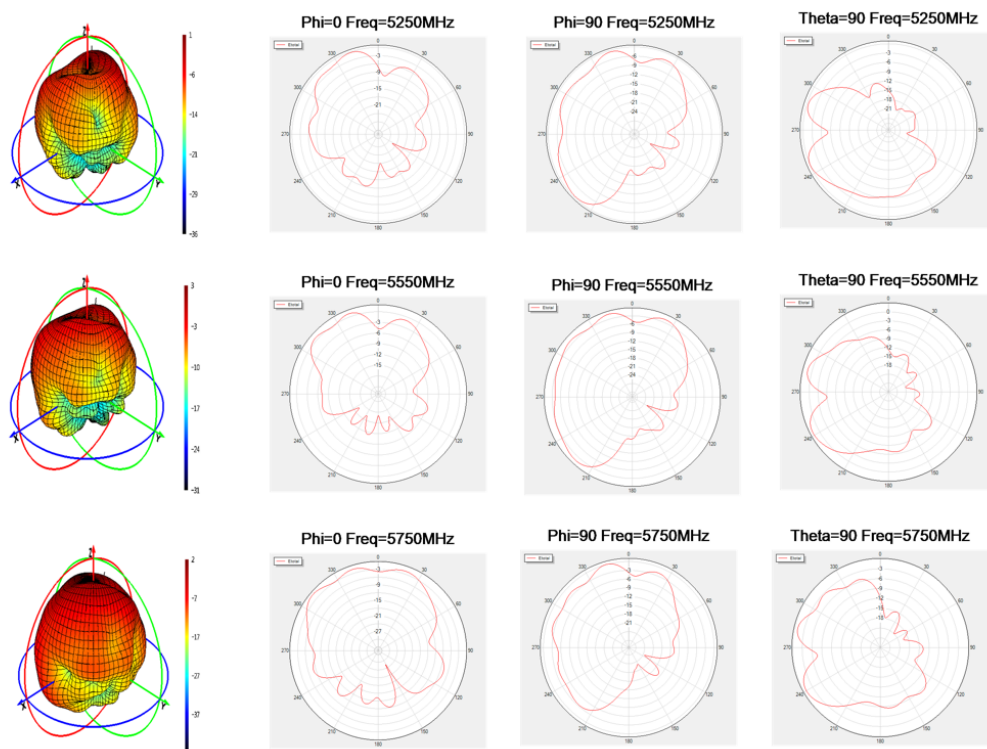
频率 (MHz)	增益 (dBi)	效率 (dB)	效率 (%)	频率 (MHz)	增益 (dBi)	效率 (dB)	效率 (%)
2400	3.26	-2.89	51.39	5150	1.6	-4.58	34.83
2410	3.48	-2.63	54.52	5200	2.44	-4.4	36.31
2420	3.55	-2.55	55.61	5250	1.63	-4.71	33.81
2430	3.6	-2.55	55.61	5300	2.12	-4.06	39.26
2440	3.65	-2.44	56.99	5350	2.48	-4.19	38.11
2450	3.76	-2.47	56.57	5400	2.12	-4.37	36.56
2460	4.12	-2.33	58.41	5450	2.74	-3.28	46.99
2470	4.08	-2.46	56.81	5500	2.39	-3.76	42.07
2480	3.82	-2.66	54.2	5550	3.65	-2.6	54.95
2490	3.47	-2.84	52	5600	3.03	-2.59	55.08
2500	3.38	-2.9	51.25	5650	2.93	-2.7	53.7
Avg.	3.65	-2.61	54.85	5700	3.25	-3	50.12
				5750	2.06	-3.78	41.88
				5800	1.99	-4.03	39.54
				5850	1.71	-4.53	35.24
				Avg.	2.41	-3.77	42.56

Radiation Pattern

2.4G

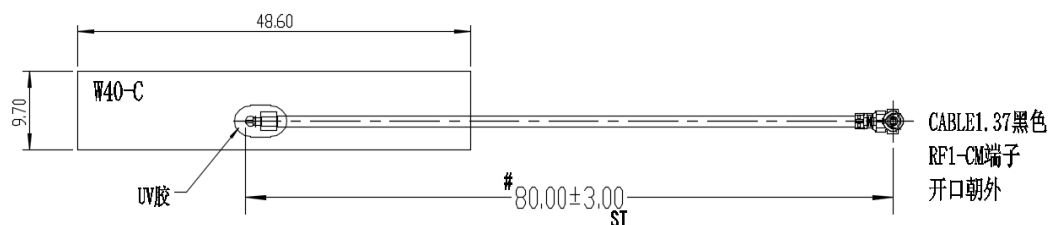


5G



Mechanical Specification

ROHS



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