



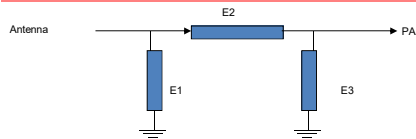
时间: 2023/1/10

The main purpose of this report is to verify the antenna matching performance of the updated PCB motherboard.

Main conclusion of this report: The antenna efficiency is close to 40, and it is recommended to install it in the complete device for actual performance verification.

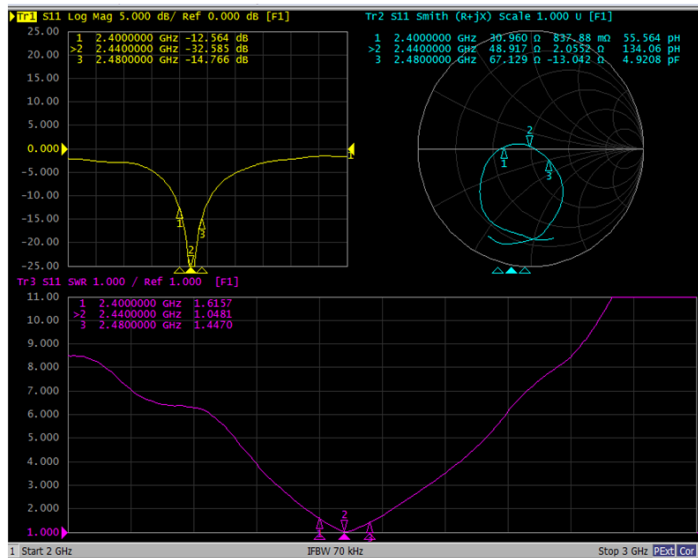
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Antenna Matching Circuit Modification Diagram



Element	Value
E1(0402)	NC
E2(0402)	2.0NH
E3(0402)	1PF

Antenna Impedance Parameter Test Status

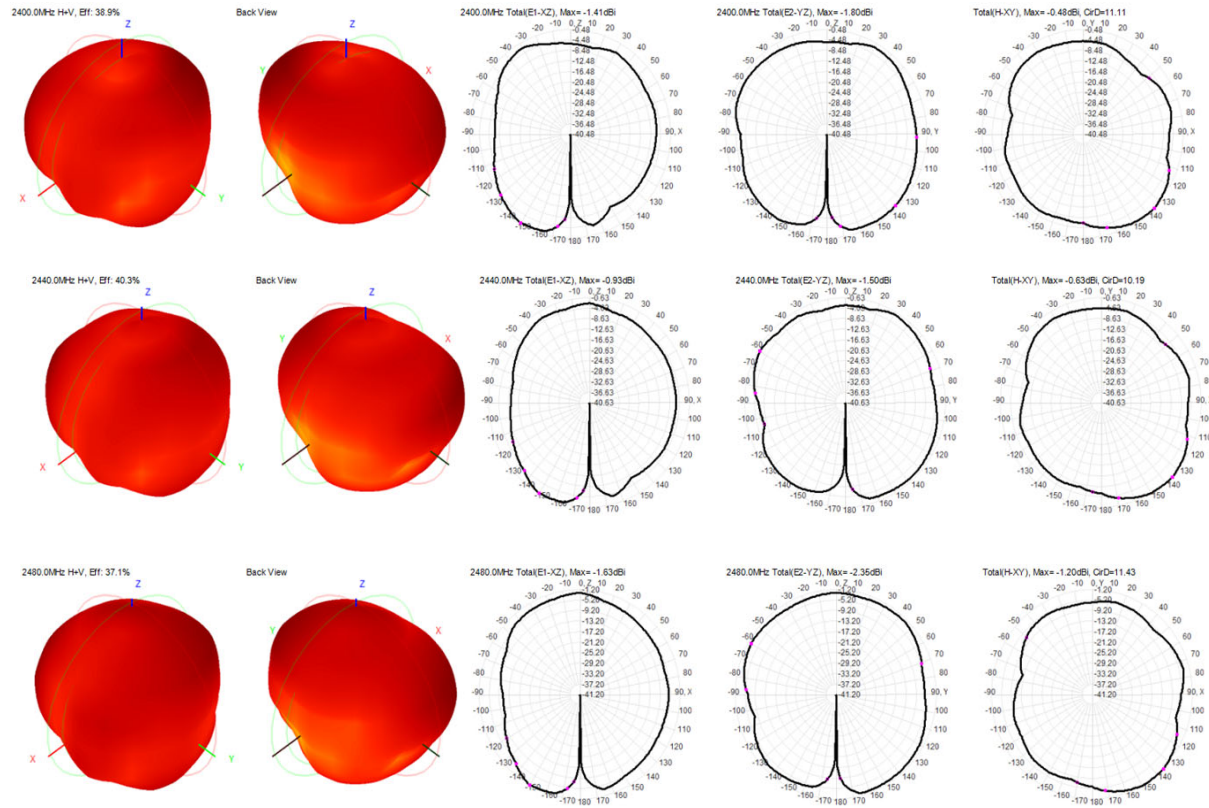


Antenna Efficiency Parameter Test Status

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400.00	-0.48	38.90
2410.00	-0.32	41.02

2420.00	-0.43	40.23
2430.00	-0.24	39.29
2440.00	-0.13	40.26
2450.00	-0.36	38.43
2460.00	-0.46	39.74
2470.00	-0.63	38.77
2480.00	-0.89	37.09
2490.00	-0.95	36.55
2500.00	-1.10	34.73

Antenna 2D/3D Radiation Pattern



Antenna position

OTA数据	Channel	TRP (dBm)	TIS (dBm)
	0	3.53	-91.25
	39	3.76	-90.81
	78	2.78	-90.14

Antenna position

