



Antenna Part Specification

Project name:	200SD
Material category:	WIFI antenna
Version:	V1.0
Date:	2023.05.22



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Change record			
Compile / change date	Reason for change	Changed content	Version

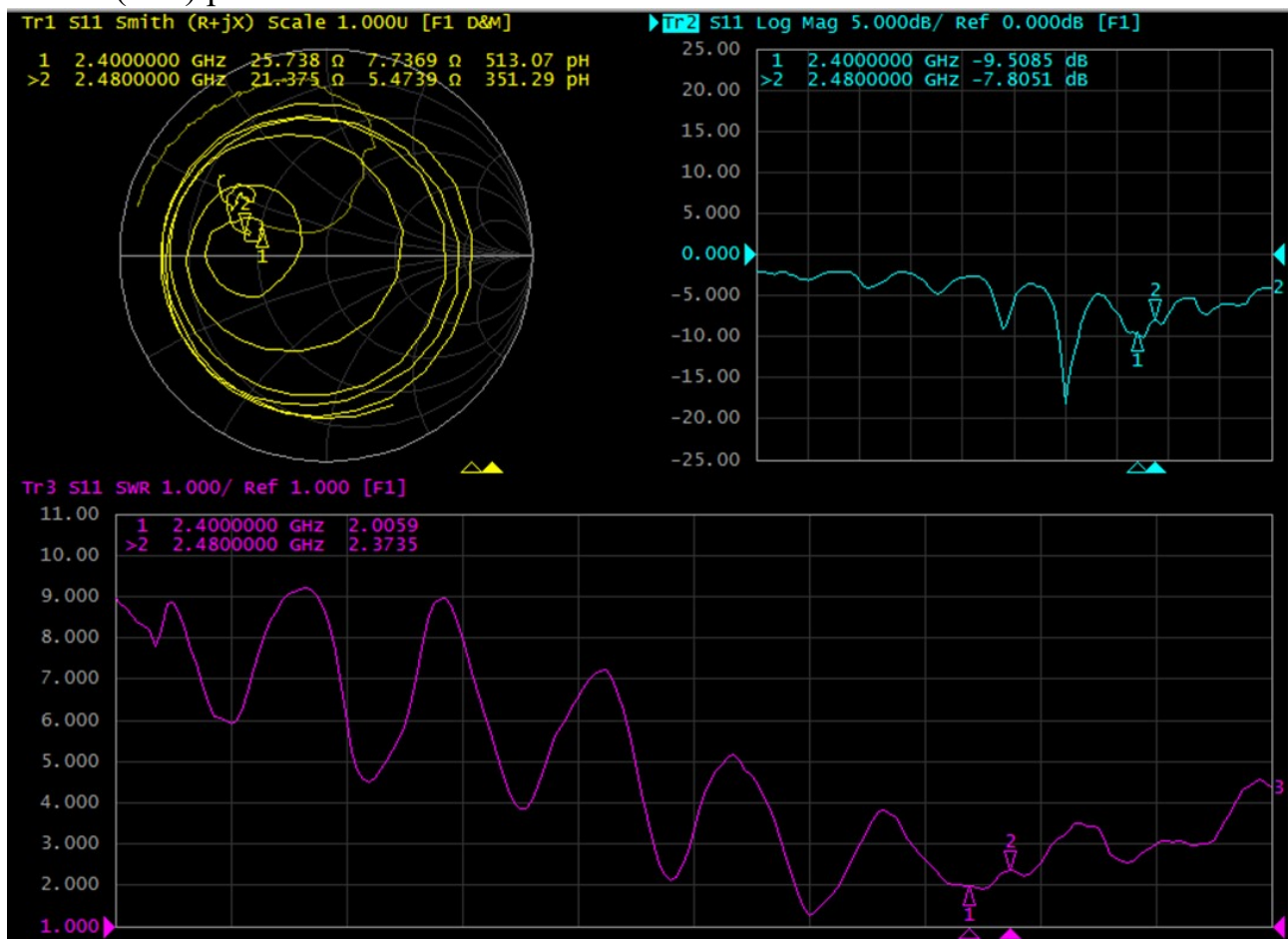


I: The report of passive data



Angilent E5071C

VSWR(S11) parameter:





Efficiency:

2400-2480 MHz			
Frequency (MHz)	Efficiency	Efficiency (dB)	Gain (dBi)
2400	31.85%	-4.97	-1.38
2410	32.10%	-4.94	-1.47
2420	33.15%	-4.80	-1.25
2430	32.35%	-4.90	-1.02
2440	31.01%	-5.09	-0.92
2450	31.46%	-5.02	-0.66
2460	30.55%	-5.15	-0.75
2470	32.29%	-4.91	-0.66
2480	33.70%	-4.72	-0.70
Average value	32.05%	-4.94	-0.98

II: 3D Active test report of antenna

11M/11M	Channel	TRP (dBm)	TIS (dBm)
WIFI B	1	14.2	-80.3
	7	12.8	-82.1
	13	12.3	-81.7

6M/54M	Channel	TRP (dBm)	TIS (dBm)
WIFI G	1	14.9	-71.5
	7	13.5	-71.2
	13	12.9	-71.2

6.5M/65M	Channel	TRP (dBm)	TIS (dBm)
WIFI N	1	14.5	-65.8
	7	13.8	-65.1
	13	13.2	-65.0

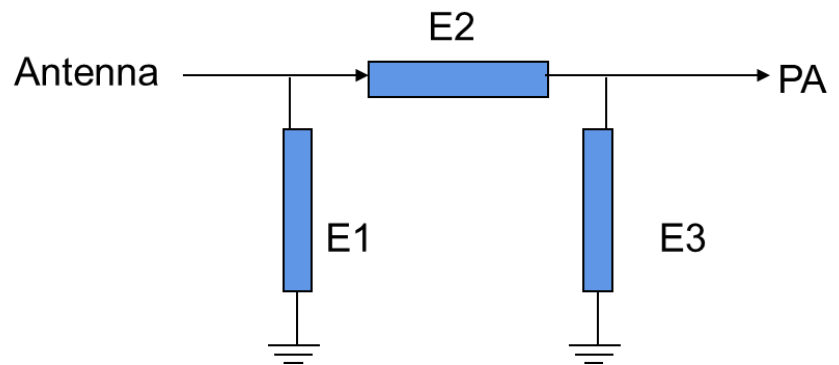


OTA Standard Chamber

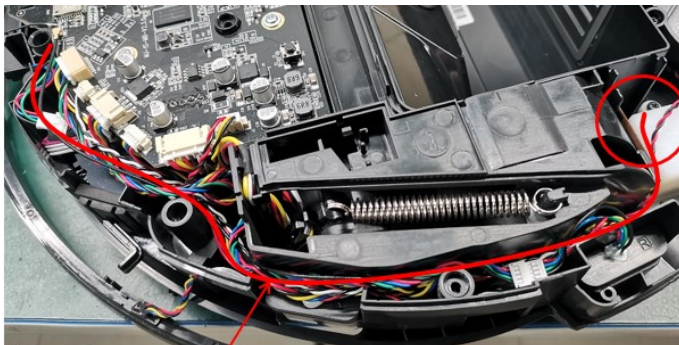


III: Matching circuit

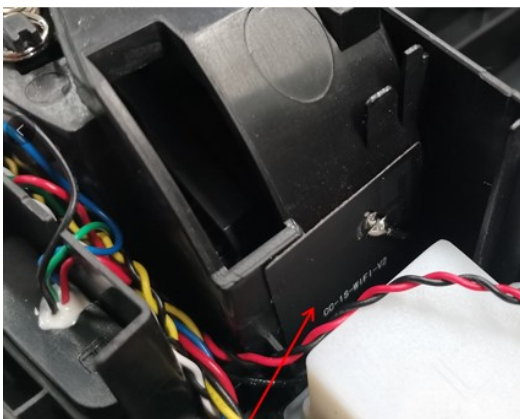
Element	value
E1	N/A
E2	0Ω
E3	N/A



IV: Environmental treatment



The antenna coaxial line is placed according to the position of the red curve track in the figure above, and the antenna is pasted at the red circle mark in the figure!



Schematic diagram of antenna pasting position!



V: Structure file

