

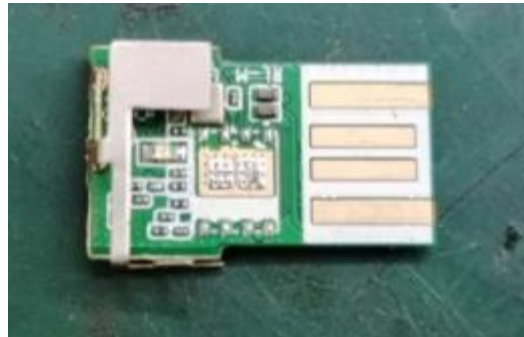


Antenna Test Report

Customer		浩利源	Project name	631	DATE	2024.04.12
NO.	ITEMS	DETAILS				
1	Version	Ver1.1 首次测试报告 2024. 04. 12				
2	Frequency	2400-2500MHz&5150-5850MHz				
3	Type	内置天线				
4	Structure	弹片天线				



◆ *Device Profile*





◆ *Test equipment*



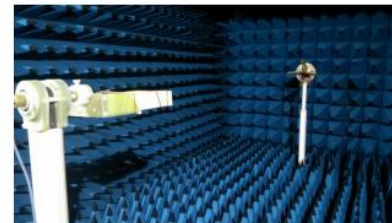
安捷伦 E5071C 网络分析仪



HP 8594E 频谱分析仪



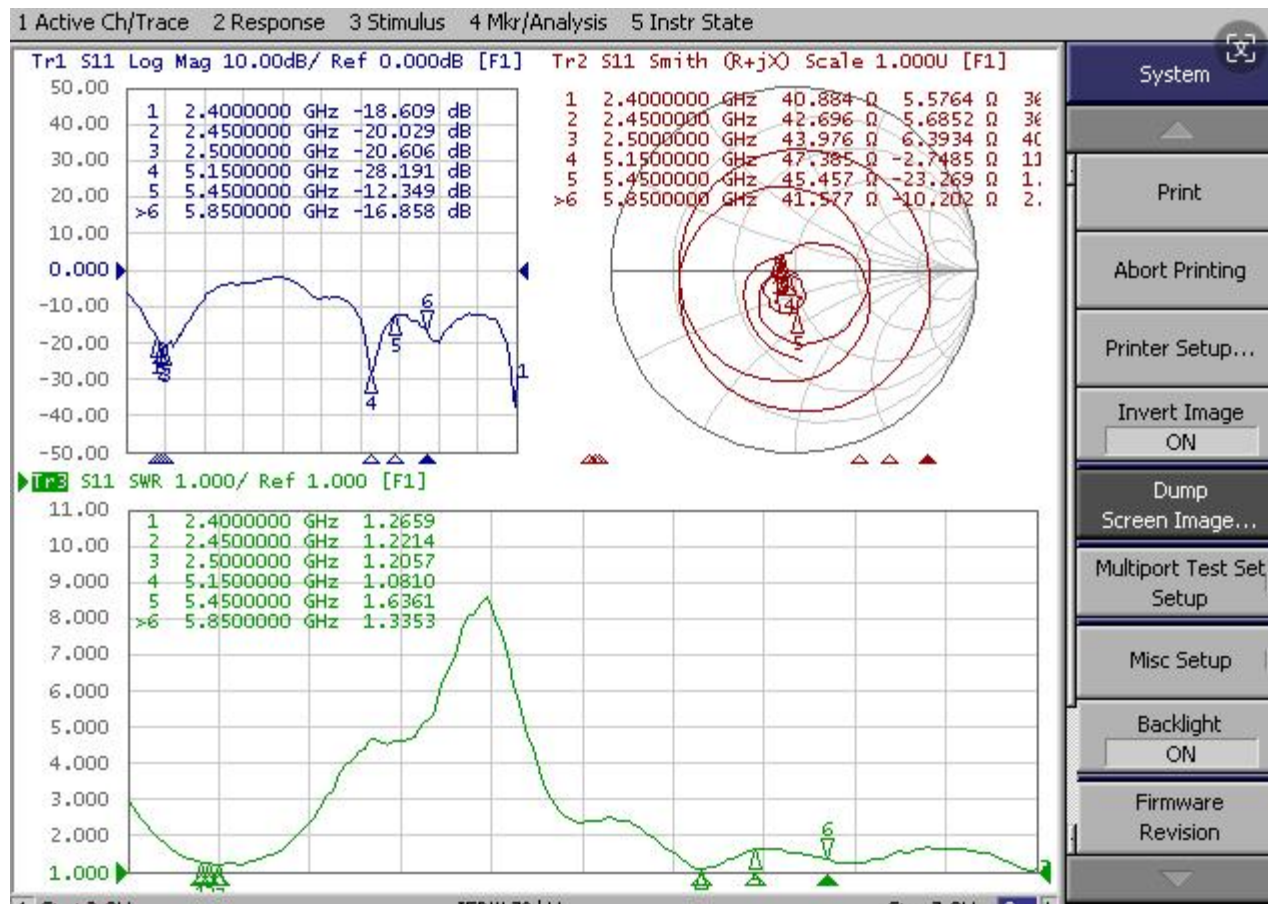
CMW-500



微波暗室

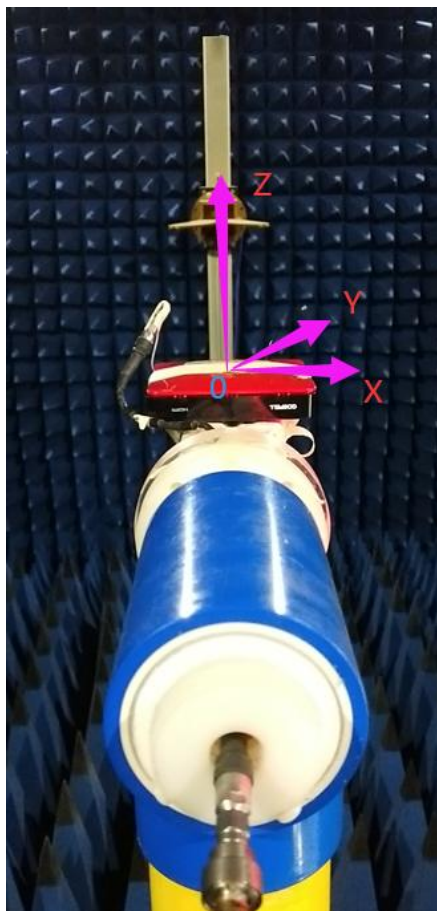


◆ V.S.W.R&Return Loss Test





◆ *Anechoic chamber Test*





➤ Passive Test: (整机测试)

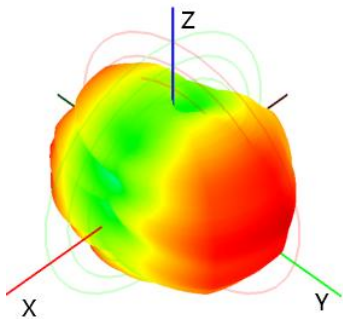
FEITUKEJI											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	3.26	3.16	3.26	3.31	3.21	3.52	3.37	3.22	2.81	2.75	2.90
Efficiency (%)	46.18	46.21	47.07	48.24	49.33	50.91	49.23	49.81	46.81	46.80	47.12

FEITUKEJI															
Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
Gain (dBi)	3.18	3.22	3.49	3.63	3.41	3.24	3.39	3.37	2.91	3.05	3.00	3.15	2.99	3.18	3.28
Efficiency (%)	54.18	54.18	54.58	55.86	54.87	55.95	56.76	55.41	54.38	56.31	57.49	53.79	56.61	52.94	52.49

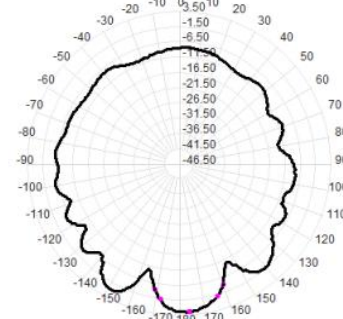


➤ Field charts:

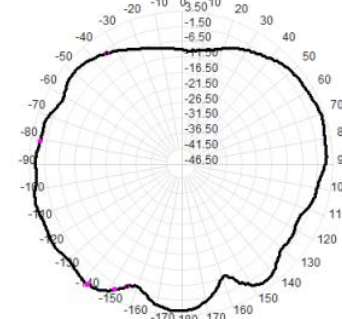
2450.0MHz H+V, Eff: 50.9%



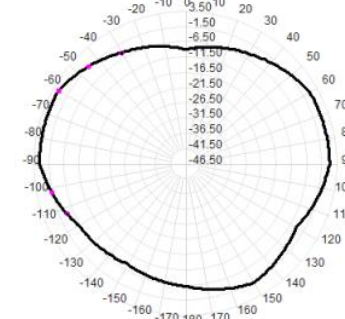
2450.0MHz Total(E1-XZ), Max= 2.08dBi



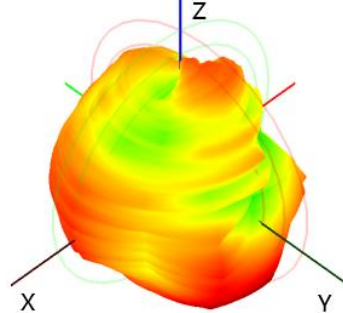
2450.0MHz Total(E2-YZ), Max= 3.50dBi



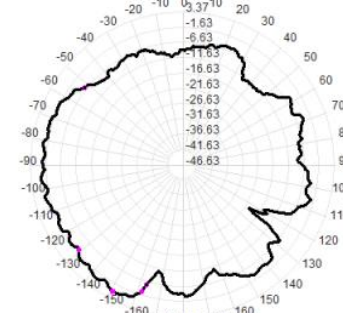
2450.0MHz Total(H-XY), Max= 1.66dBi



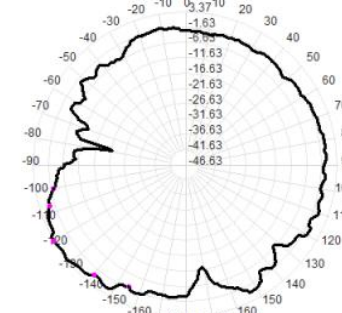
5500.0MHz H+V, Eff: 55.4%



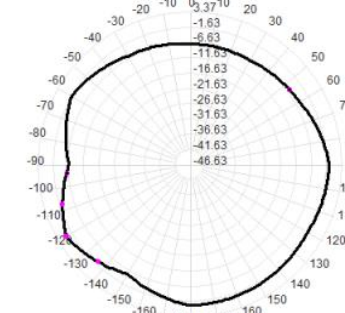
5500.0MHz Total(E1-XZ), Max= 0.75dBi



5500.0MHz Total(E2-YZ), Max= 3.37dBi



5500.0MHz Total(H-XY) Max= 0.26dBi





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Thank you!



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