

Antenna Specifications for T1485M1ET

20250816

公司地址:

广东省东莞市松山湖管委会工业东路24号现代企业加速器6栋402

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Committee, Dongguan, Guangdong, China

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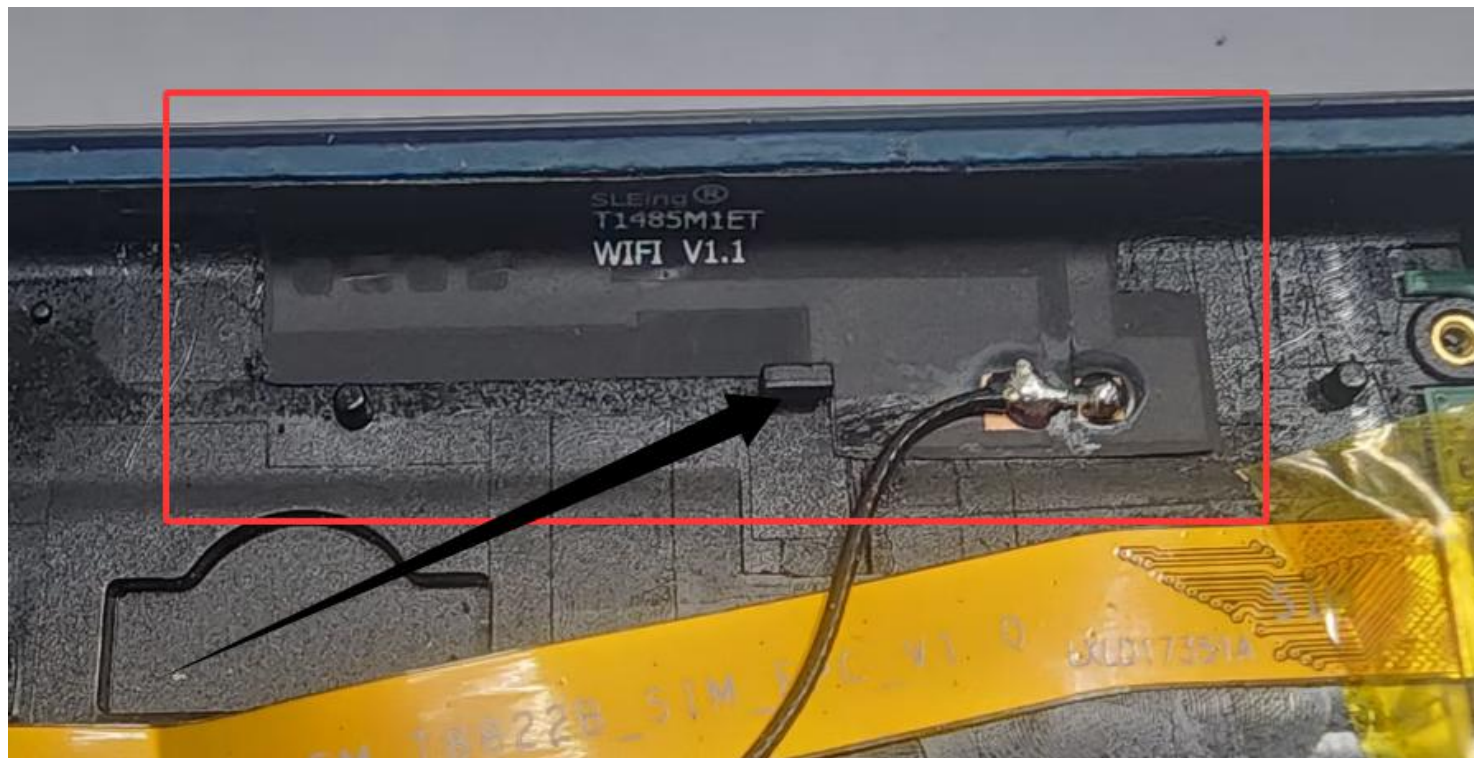
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整机图片



料号: SLEingB255120080

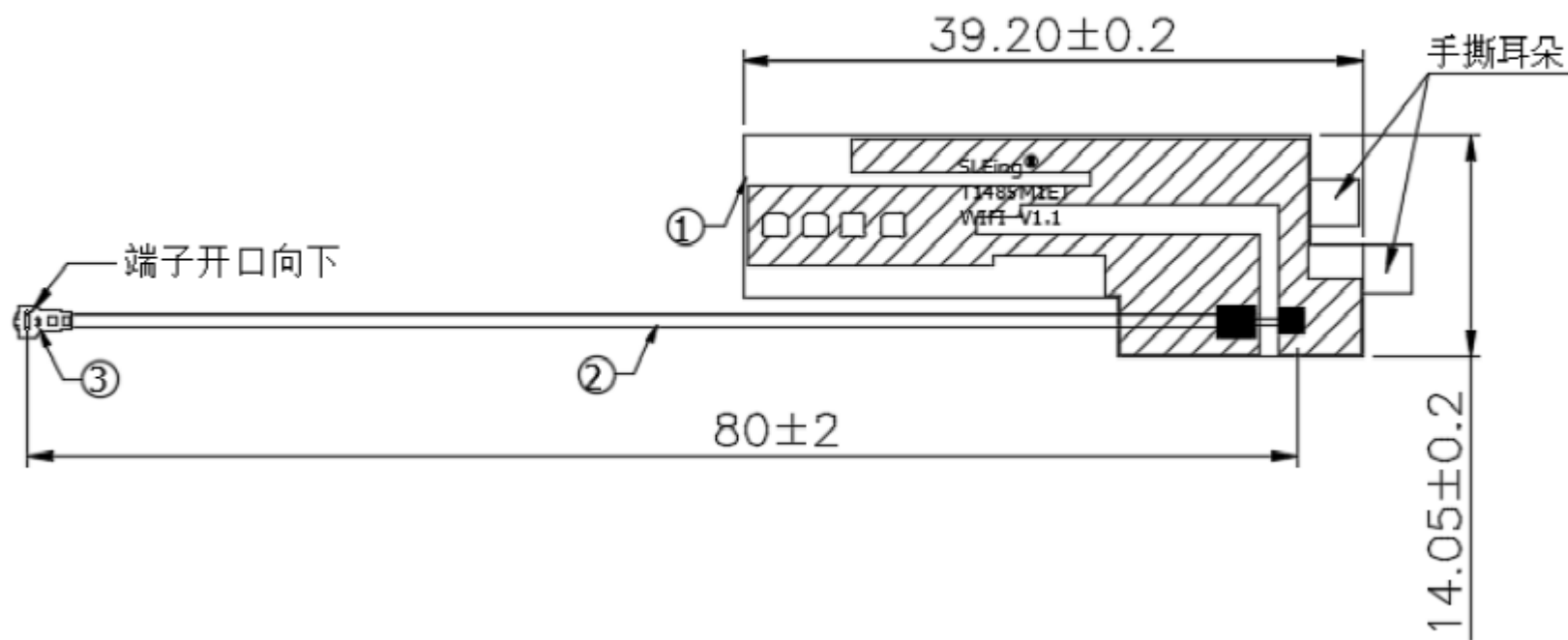
天线位置



cablc绕线示意图



天线尺寸



Test equipment

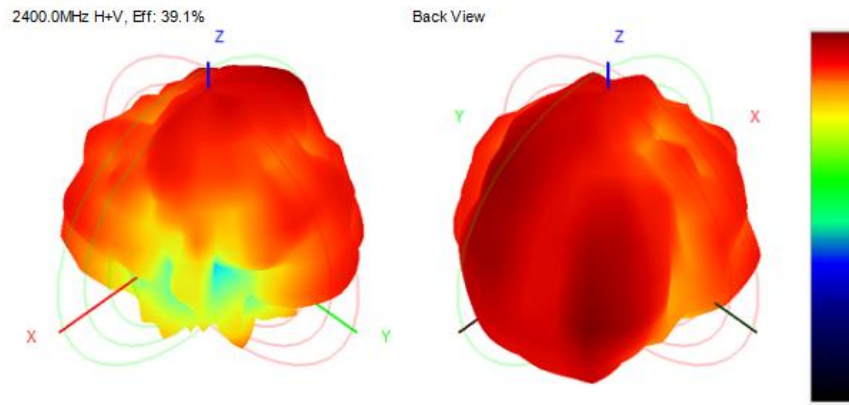
测试项目	驻波比（回波损耗） 隔离度
测试环境与 设备	矢量网络分析仪 

效率:

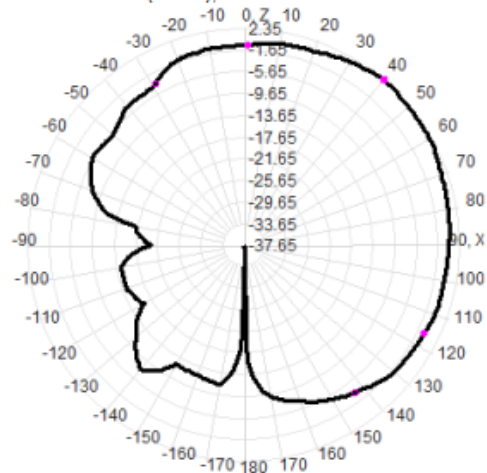
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Efficiency (dBi)	-4.08	-4.26	-4.19	-3.80	-3.93	-4.50	-4.18	-3.91	-4.33	-4.20	-4.31
Gain (dBi)	2.97	3.12	2.86	3.65	2.76	1.93	2.36	2.81	2.83	2.53	2.42
Efficiency (%)	39.11	37.52	38.08	41.67	40.42	35.44	38.23	40.61	36.90	38.02	37.04

Frequency (MHz)	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850
Efficiency (dBi)	-4.01	-4.08	-4.37	-3.96	-4.18	-4.40	-4.07	-4.50	-3.91	-4.12	-3.93	-3.89	-3.91	-3.49	-3.57
Gain (dBi)	1.43	1.22	1.24	1.50	1.87	1.63	2.32	1.83	2.50	2.14	2.29	2.35	2.15	2.92	2.15
Efficiency (%)	39.72	39.09	36.57	40.17	38.23	36.27	39.19	35.52	40.61	38.75	40.47	40.79	40.62	44.73	43.96

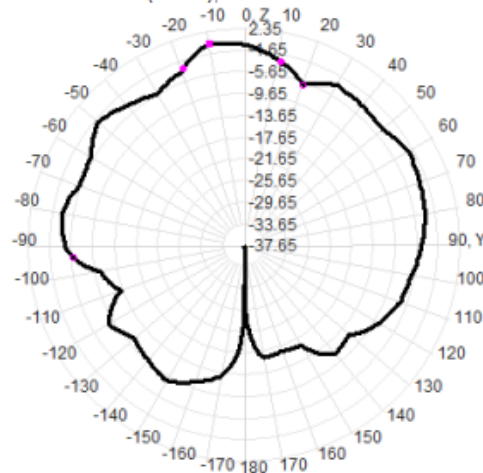
2400M(2D/3D)



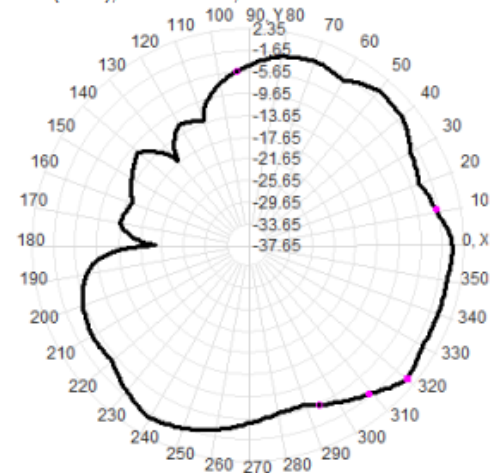
2400.0MHz Total(E1-XZ), Max= 2.35dBi



2400.0MHz Total(E2-YZ), Max= -0.00dBi

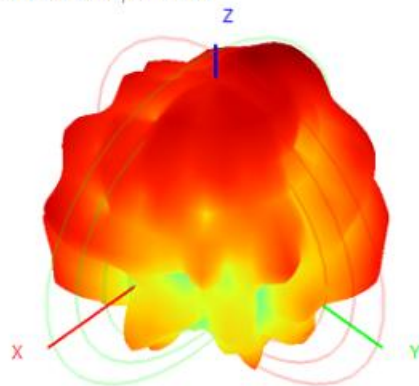


Total(H-XY), Max= 0.52dBi, CirD=20.98

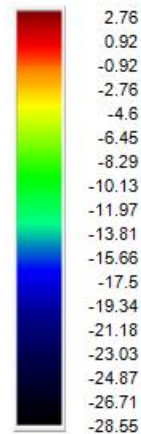
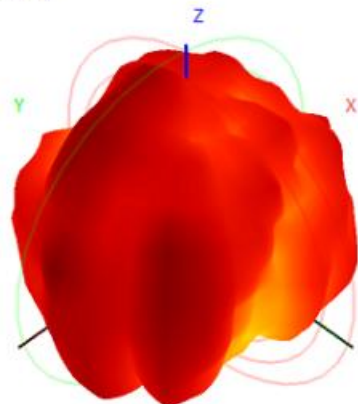


2450M(2D/3D)

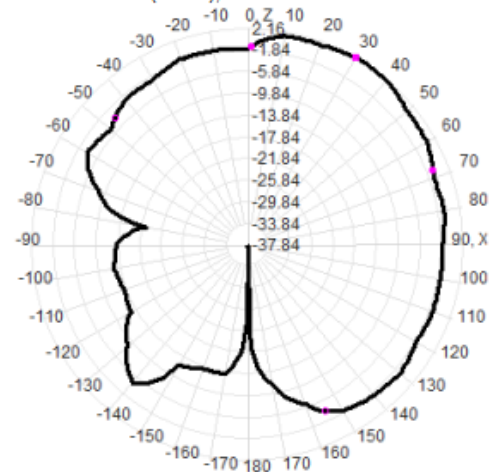
2450.0MHz H+V, Eff: 40.4%



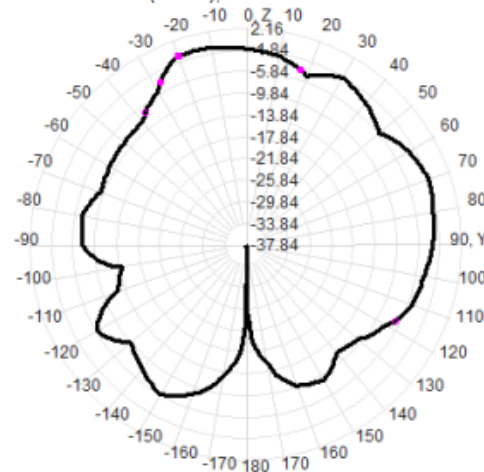
Back View



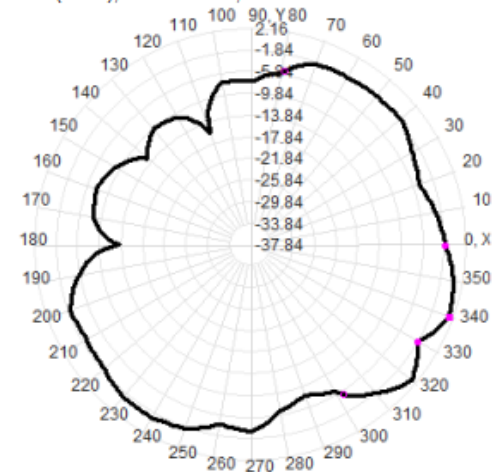
2450.0MHz Total(E1-XZ), Max= 2.16dBi



2450.0MHz Total(E2-YZ), Max= -0.80dBi

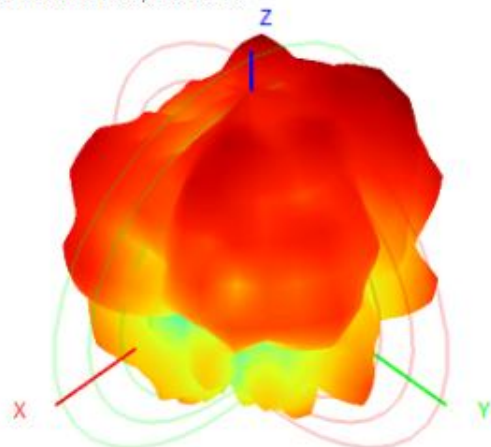


Total(H-XY), Max= 1.09dBi, CirD=16.88

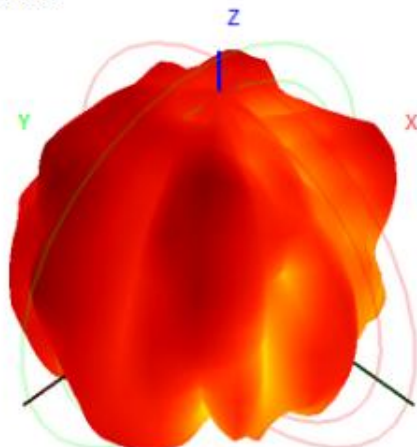


2500M(2D/3D)

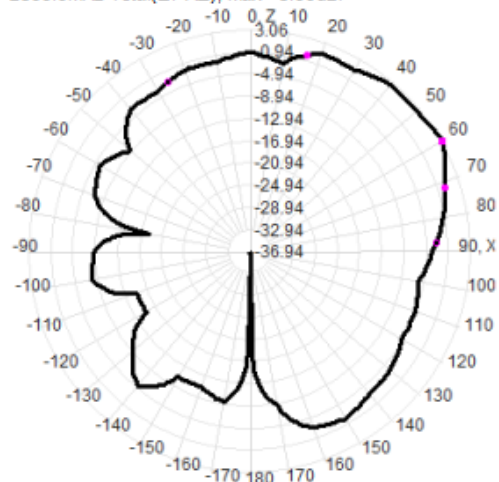
2500.0MHz H+V, Eff: 37.4%



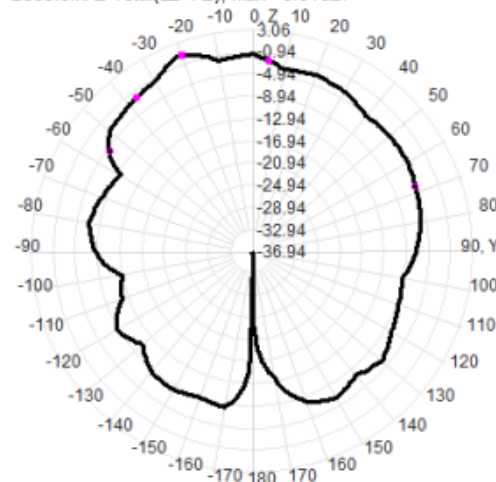
Back View



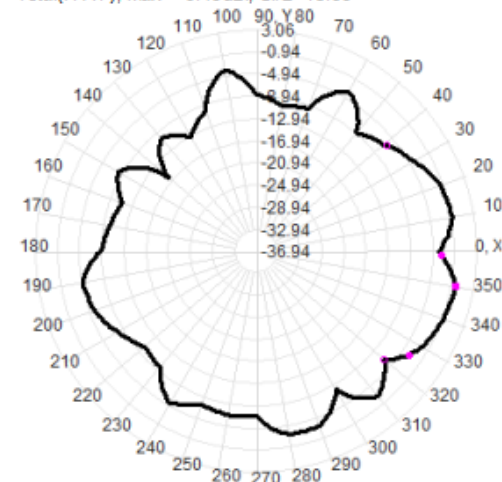
2500.0MHz Total(E1-XZ), Max= 3.06dBi



2500.0MHz Total(E2-YZ), Max= 0.81dBi

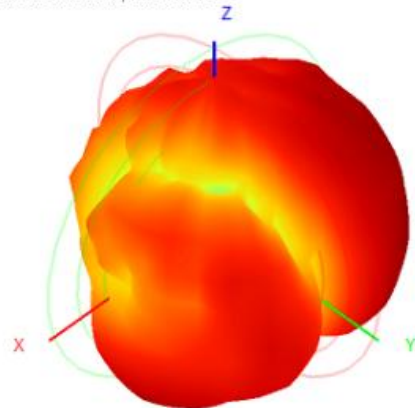


Total(H-XY), Max= -0.49dBi, CirD=15.60

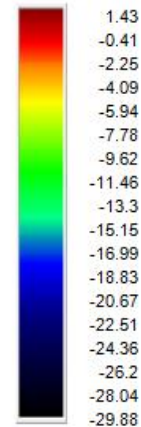
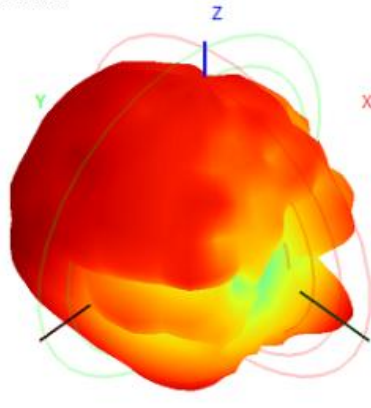


5150M(2D/3D)

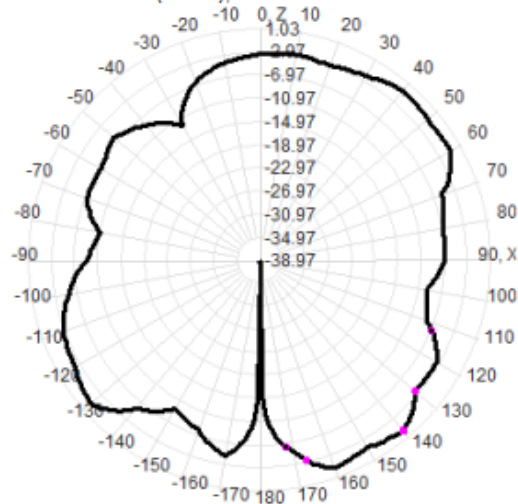
5150.0MHz H+V, Eff: 39.7%



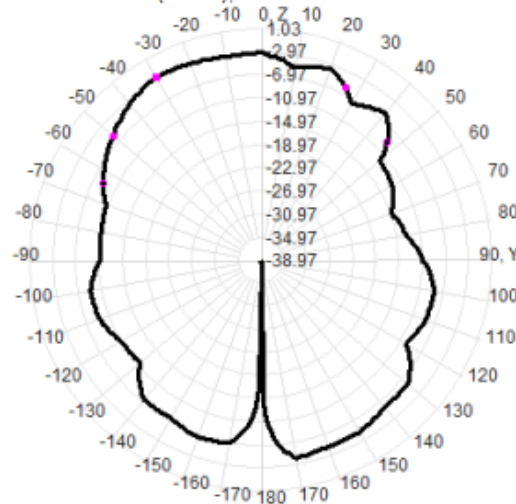
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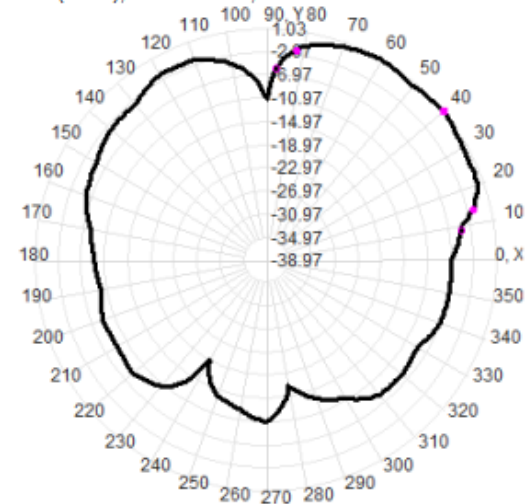
5150.0MHz Total(E1-XZ), Max= -0.58dBi



5150.0MHz Total(E2-YZ), Max= -2.54dBi

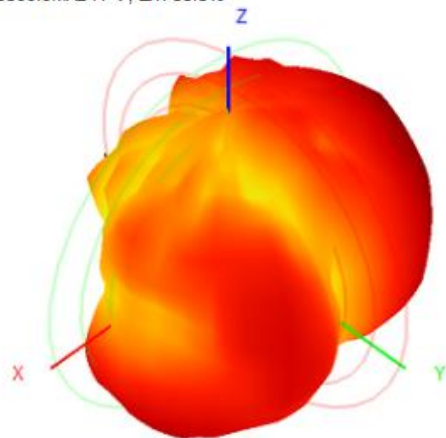


Total(H-XY), Max= 1.03dBi, CirD=20.24

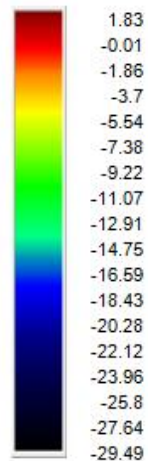
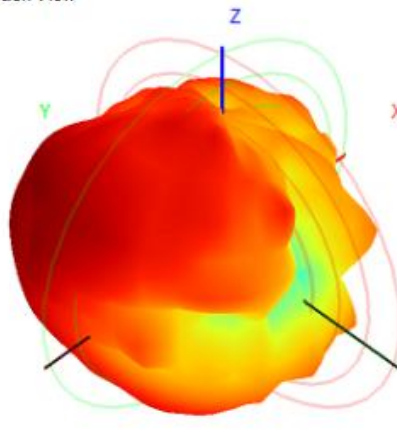


5500M(2D/3D)

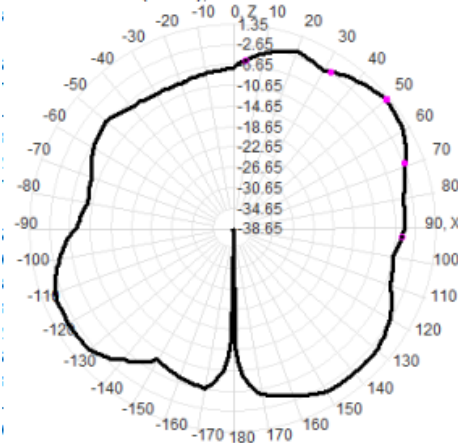
5500.0MHz H+V, Eff: 35.5%



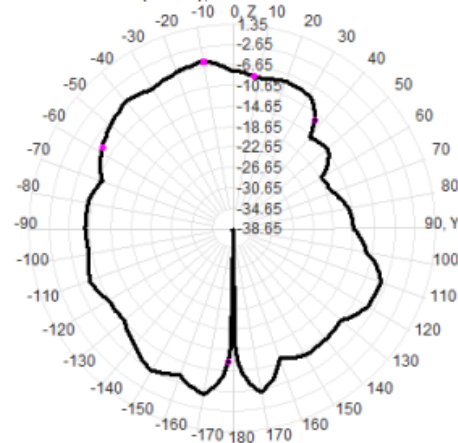
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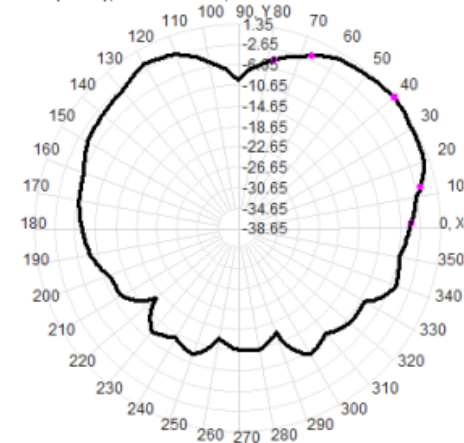
5500.0MHz Total(E1-XZ), Max= 0.55dBi



5500.0MHz Total(E2-YZ), Max= -5.50dBi

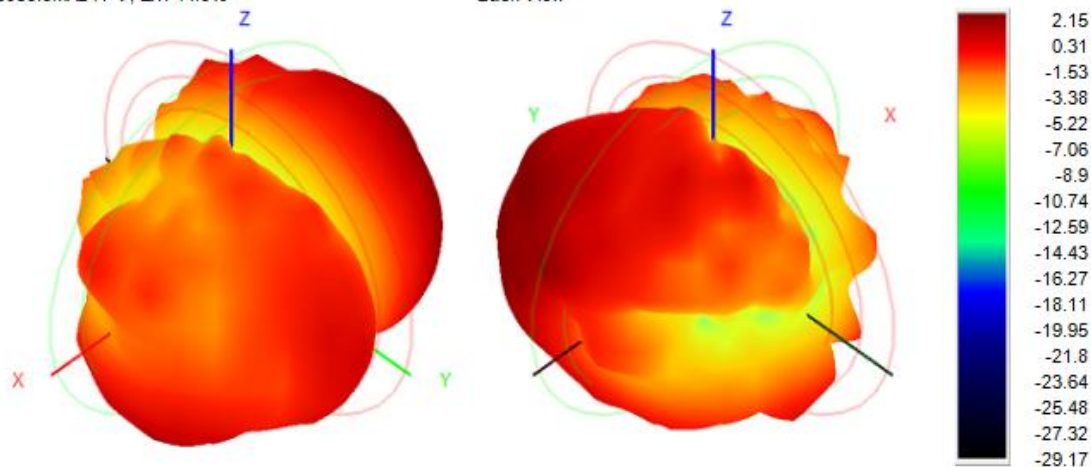


Total(H-XY), Max= 1.35dBi, CirD=18.83

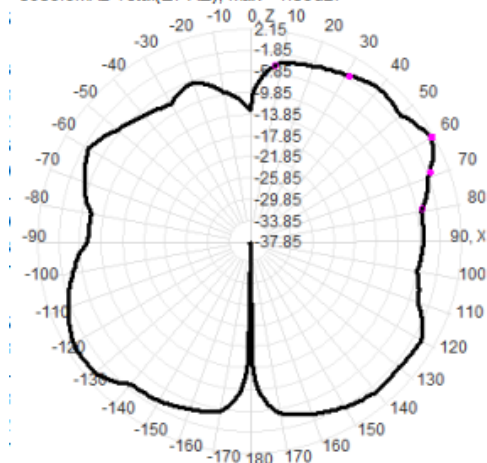


5850M(2D/3D)

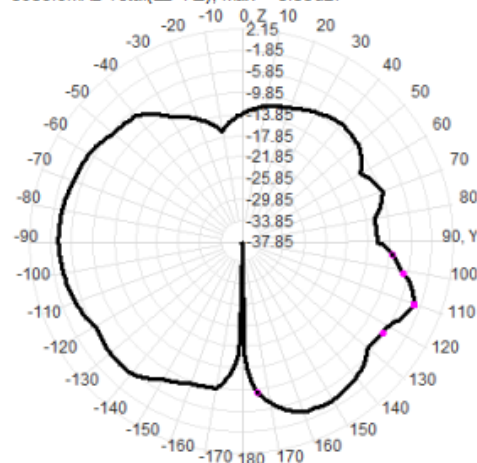
5850.0MHz H+V, Eff: 44.0%



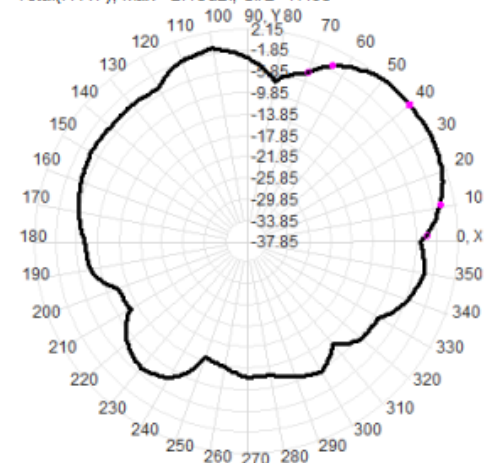
5850.0MHz Total(E1-XZ), Max= 1.50dBi



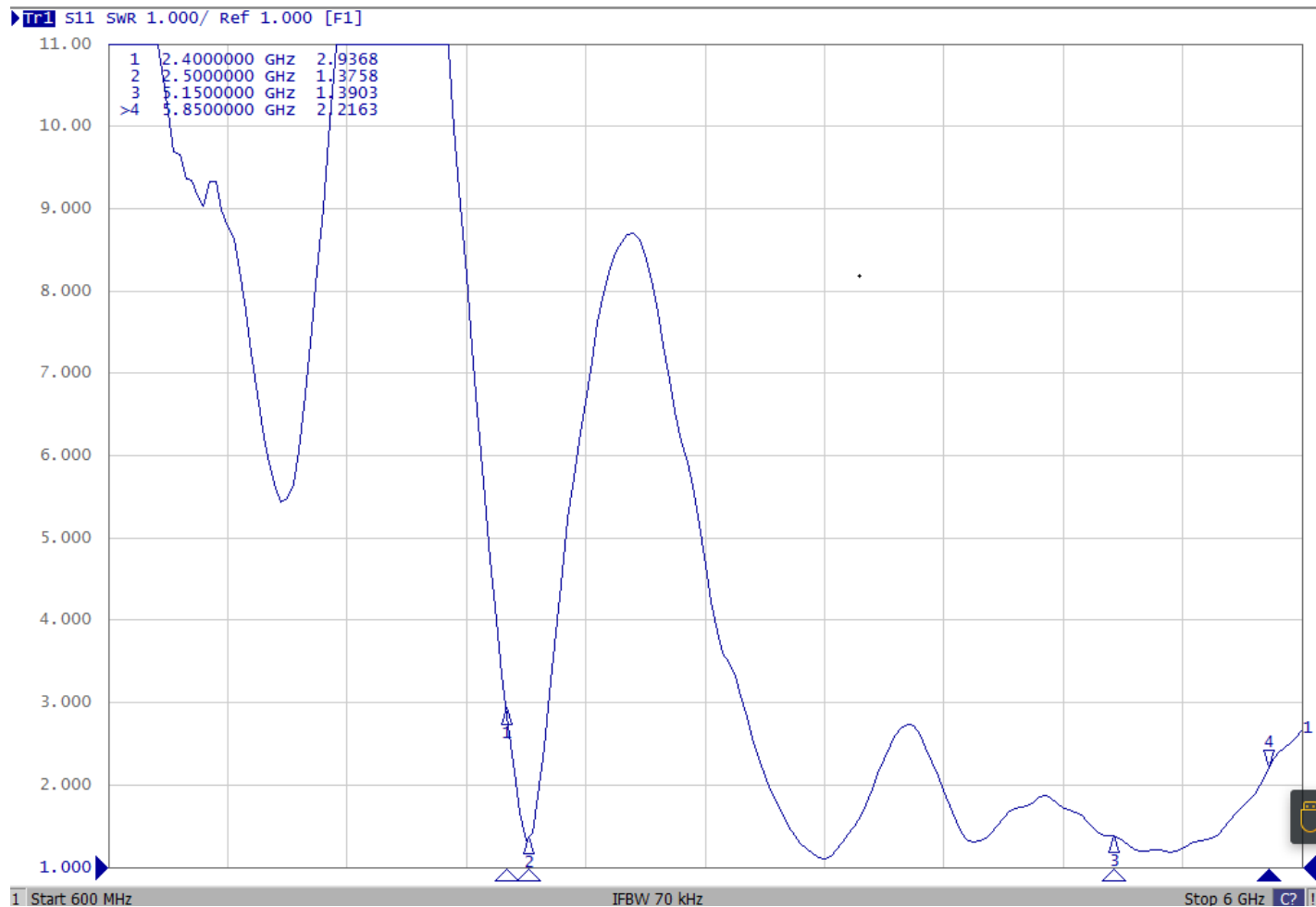
5850.0MHz Total(E2-YZ), Max= -3.33dBi



Total(H-XY), Max= 2.15dBi, CirD=17.05



S11:



WIFI Active OTA data test

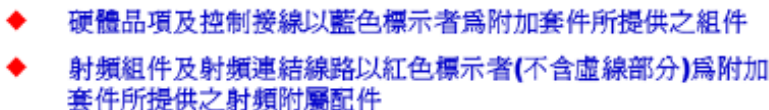
2.4G WIFI

Channel No	TRP (dBm)	TIS (dBm)
1	12.35	-80.57
6	12.53	-80.28
11	11.74	-80.39

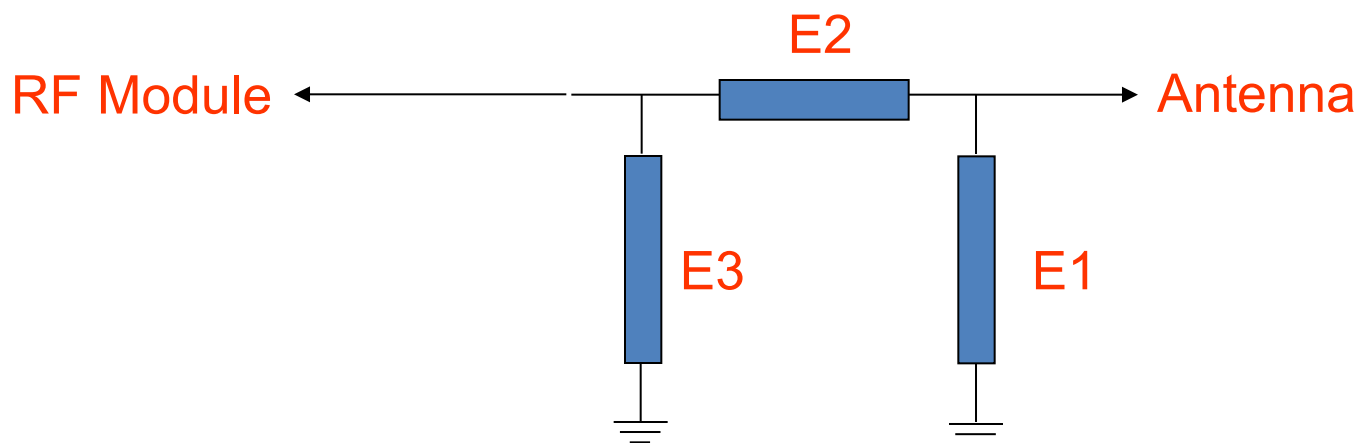
5.8G WIFI

Channel No	TRP (dBm)	TIS (dBm)
36	8.14	-65.37
149	8.96	-67.89
161	9.13	-68.27

testing environment



Antenna Matching



Element	Value
E1(0402)	NC
E2(0402)	0 OHM
E3(0402)	NC

匹配未做更改