

Shenzhen Etheta Communicate Ltd.
(Shenzhen R&D)

Customer: TCL Communication Ltd.

Project name: Ares 11

Product name: Ares 11 antenna

Material: FPC

Date: 2024.5.23

Test system introduction:

实验室测试环境及设备

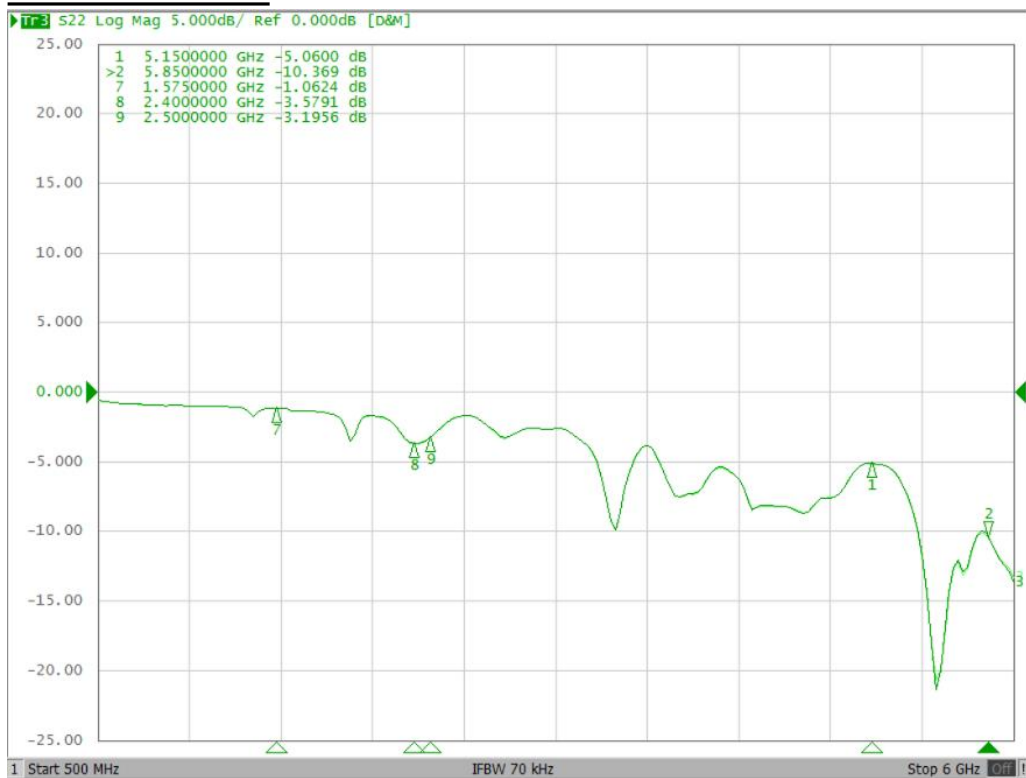
测试项目	测试设备
S11、S12、VSWR、LOSS	网络分析仪E5071C
Efficiency、Gain	SATIMO暗室
TRP、TIS	8960、GTS2800
SAR&HAC	SAR 测试系统



S11: WiFi 2.4G&BT&GPS



WiFi 5G



Effi, Gain:

WiFi 2.4G+5G+GPS

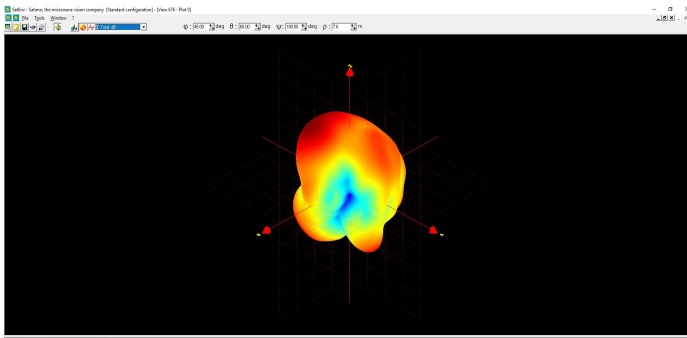
Fre(MHz)	Effi	Effi(dB)	Peak Gain
1550	8%	-11.0	-6.6
1560	8%	-10.9	-6.4
1570	8%	-10.8	-6.2
1580	8%	-10.7	-6.2
1590	8%	-10.8	-6.2
1600	7%	-11.1	-6.2
2400	34%	-4.7	-1.6
2410	34%	-4.7	-1.6
2420	33%	-4.8	-1.7
2430	34%	-4.7	-1.6
2440	33%	-4.8	-1.7
2450	32%	-4.9	-1.8
2460	32%	-4.9	-1.8
2470	32%	-5.0	-1.7
2480	31%	-5.1	-1.9
2490	31%	-5.1	-1.8

2500	30%	-5.3	-1.9
5150	18%	-7.4	-1.0
5200	19%	-7.2	-1.9
5250	20%	-6.9	-2.0
5300	22%	-6.7	-1.4
5350	22%	-6.5	-1.0
5400	25%	-5.9	-0.9
5450	29%	-5.3	-0.9
5500	31%	-5.1	-0.7
5550	33%	-4.8	-0.6
5600	33%	-4.8	-0.5
5650	31%	-5.1	-0.7
5700	28%	-5.6	-0.6
5750	31%	-5.1	-0.7
5800	32%	-4.9	-0.5
5850	30%	-5.2	-0.9

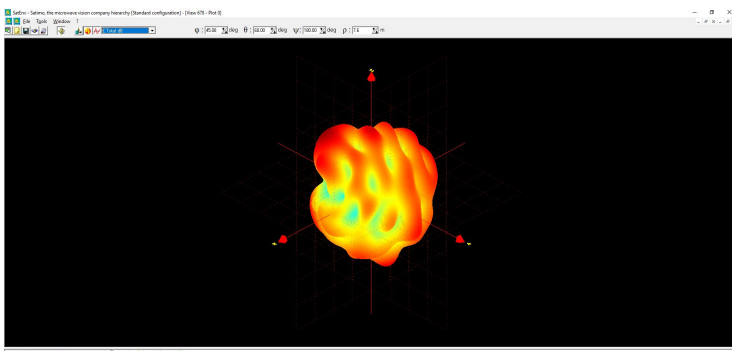
3D Pattern:

WiFi 2.4G+5G+GPS

Frequency=1575MHz:



Frequency=2450MHz:



Frequency=5500MHz:

