

Shenzhen Etheta Communicate Ltd.
(Shenzhen R&D)

Customer: TCL Communication Ltd.

Project name: 9138S,9150S

Product name: 9138S,9150S-WIFI antenna

Material: FPC

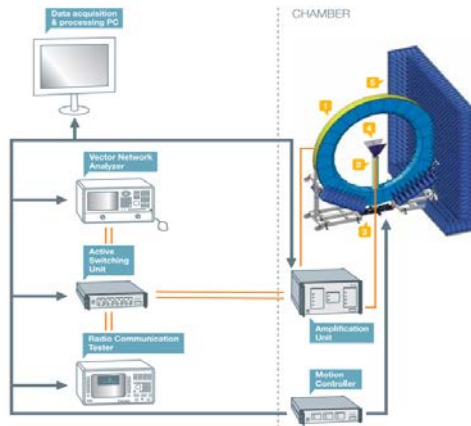
Date: 2023.1.3

Test system introduction:

 SATIMO暗室SG24测试环境简介

www.myetheta.com

暗室系统配置图



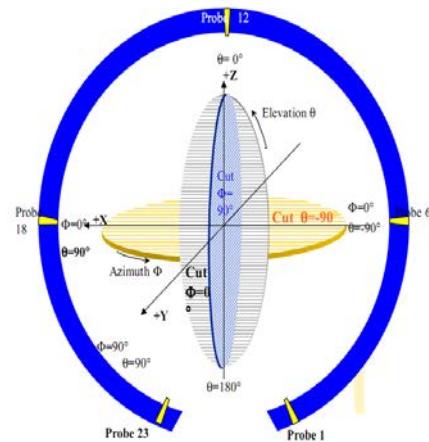
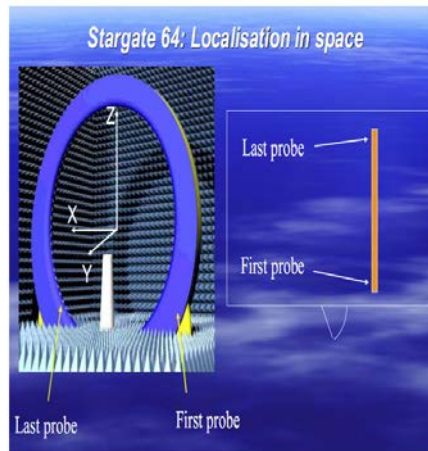
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SG24 – 坐标标识图

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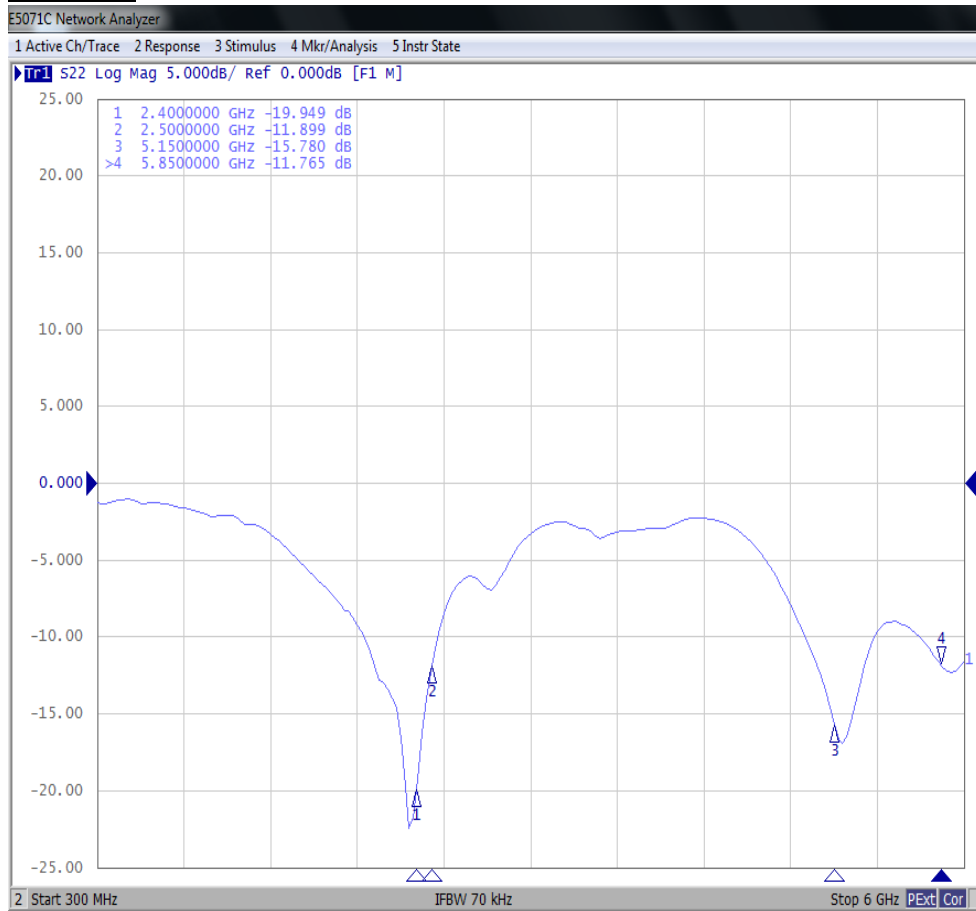
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测试项目	测试设备
S11、S12、VSWR、LOSS	网络分析仪E5071C
Efficiency、Gain 3D Radiation Pattern	Satimo SG24暗室、E5071B
TRP、TIS	Satimo SG24暗室、6960、 MT8S20C
SAR/HAC	SAR 测试系统

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S11:

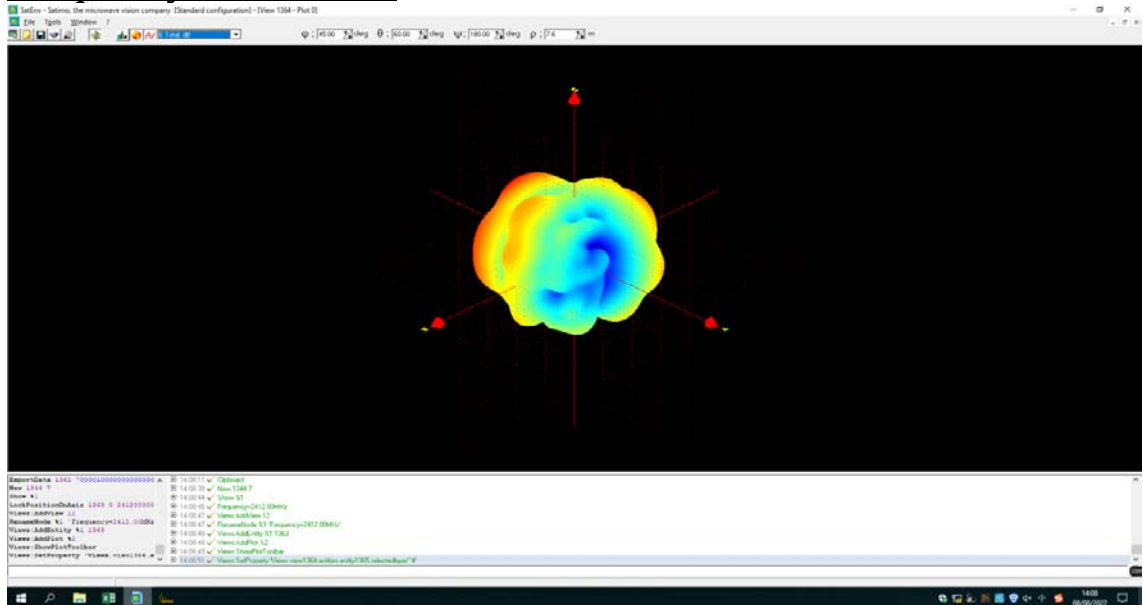


Effi, Gain:

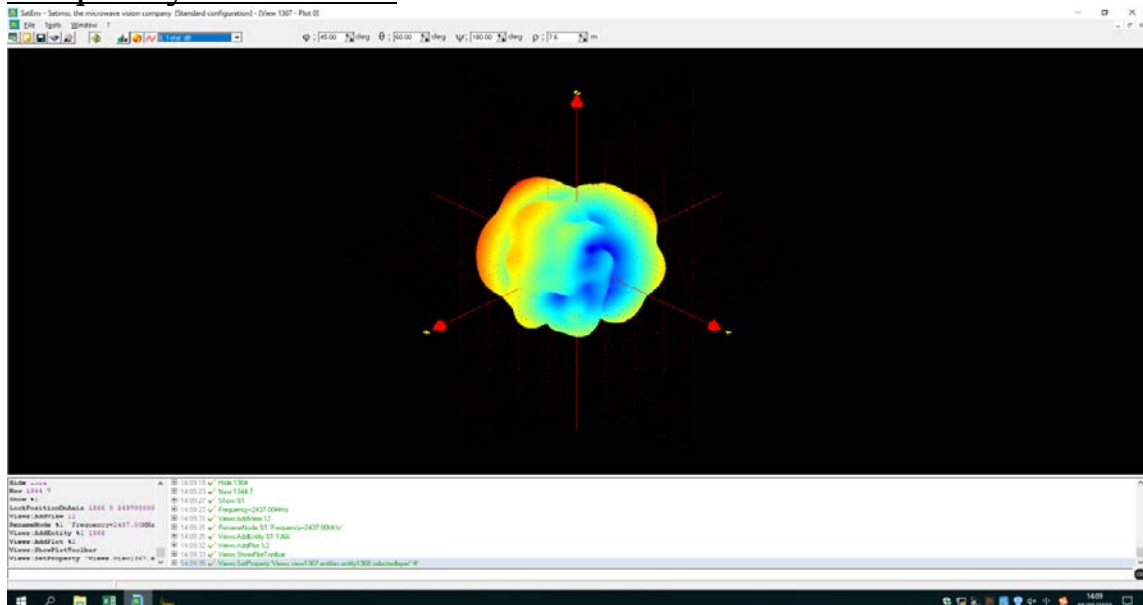
Fre(MHz)	Effi	Effi(dB)	Peak Gain	AVG Gain
2400	44%	-3.5	1.5	-1.7
2410	44%	-3.6	1.4	-1.8
2412	43%	-3.6	1.3	-1.9
2420	43%	-3.7	1.3	-2.0
2430	44%	-3.6	1.3	-2.0
2437	43%	-3.6	1.4	-2.0
2440	43%	-3.7	1.3	-2.1
2450	43%	-3.7	1.2	-2.2
2460	44%	-3.6	1.3	-2.2
2462	43%	-3.7	1.3	-2.2
2470	43%	-3.6	1.2	-2.2
2480	43%	-3.6	1.2	-2.3
2490	43%	-3.7	1.1	-2.4
2500	43%	-3.7	1	-2.5
5150	38%	-4.2	1.8	-1.7
5200	37%	-4.3	1.4	-1.7
5250	34%	-4.6	1.3	-1.8
5280	34%	-4.7	1.4	-1.8
5300	33%	-4.8	1.4	-1.8
5350	32%	-5.0	1.4	-1.9
5400	31%	-5.1	1	-2.0
5450	30%	-5.3	0.6	-2.2
5500	29%	-5.3	0.6	-2.4
5550	29%	-5.3	0.5	-2.4
5600	30%	-5.2	0.5	-2.4
5650	31%	-5.1	0.3	-2.4
5700	30%	-5.2	0.3	-2.6
5750	31%	-5.1	0.4	-2.6
5785	31%	-5.1	0.2	-2.8
5800	30%	-5.2	0.3	-2.8
5850	29%	-5.4	0.1	-3.2

3D Pattern:

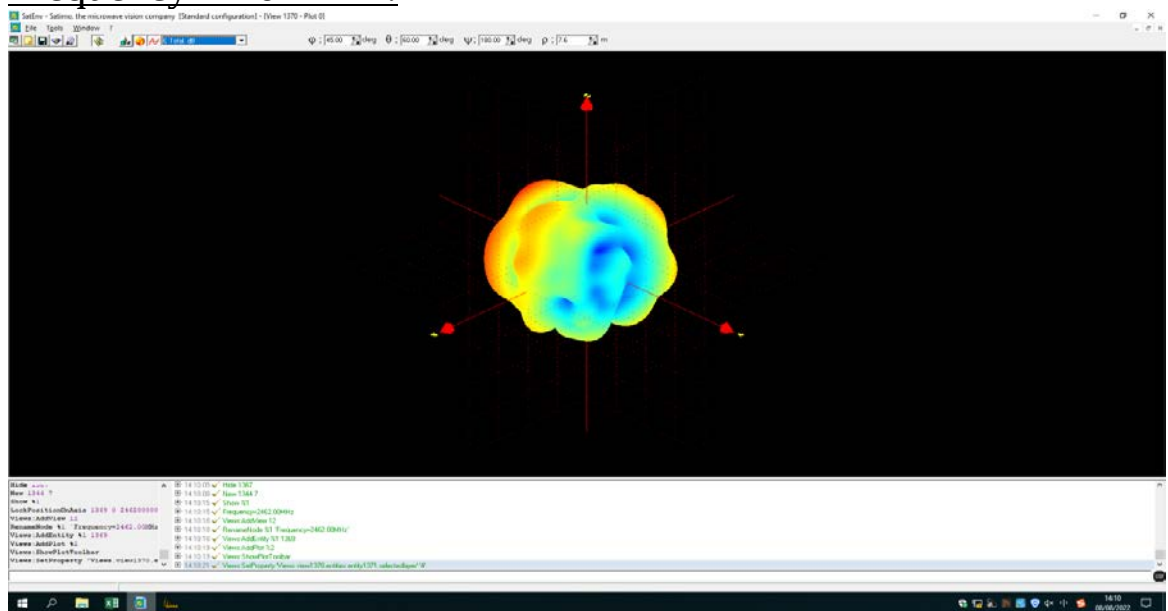
Frequency=2412MHz:



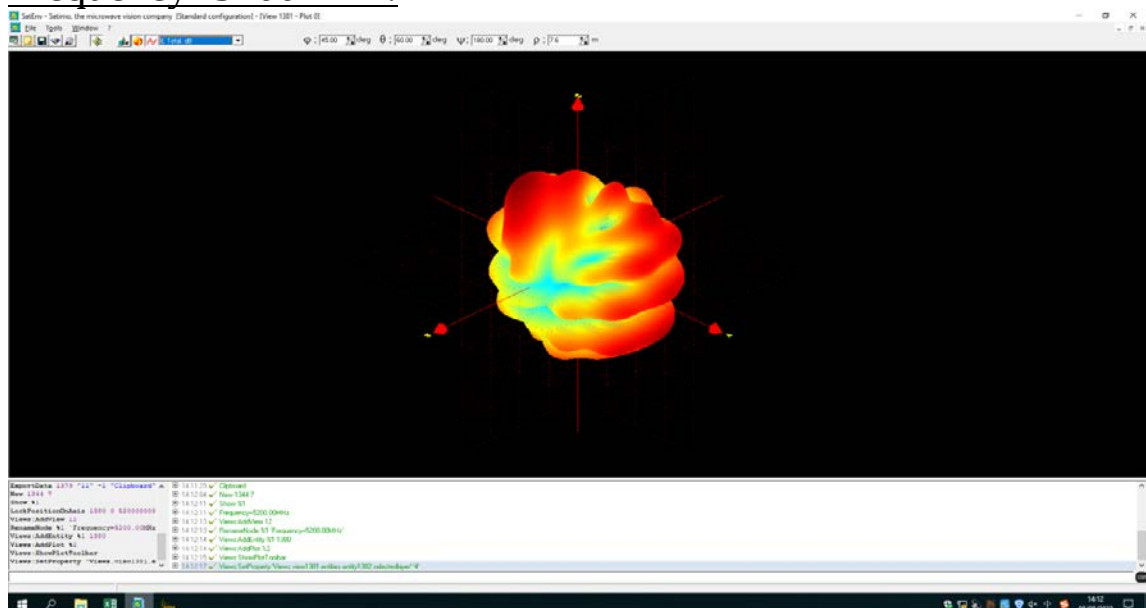
Frequency=2437MHz:



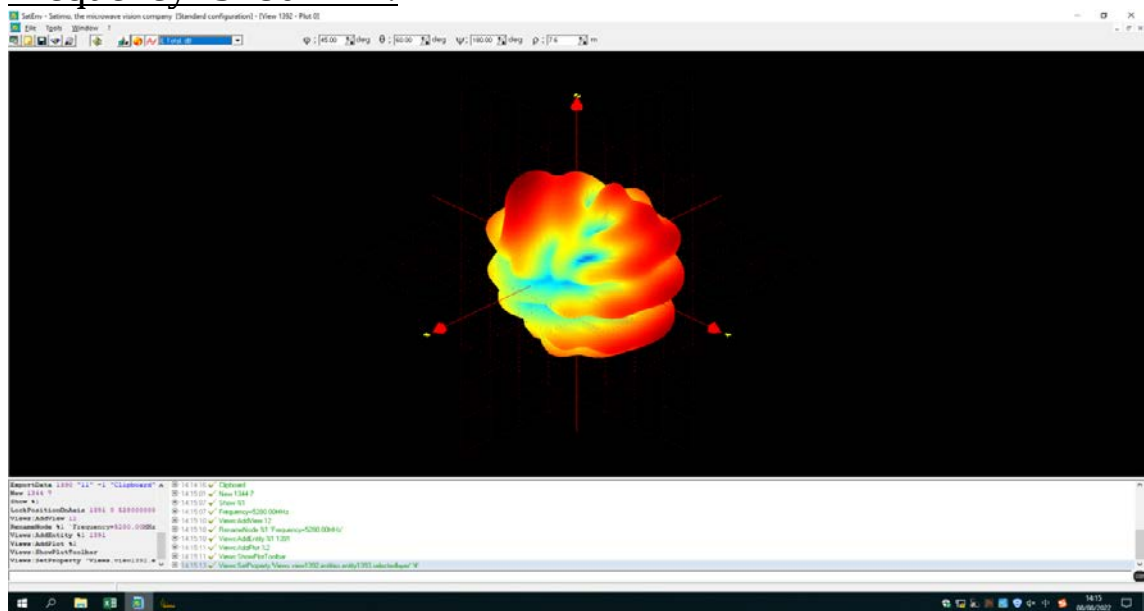
Frequency=2462MHz:



Frequency=5200MHz:



Frequency=5280MHz:



Frequency=5785MHz:

