天线调试报告

客　户 **Customer**	巨诺
项目名称 **Project Name**	A02
客 户 料 号 **Customer NO.**	
规　格 **specification**	FPC天线 2.4GHz-2.5GHz 5.15GHz-5.85GHz
供 方 料 号 **Supplier NO.**	N12-xxxx-R0A
规 格 书 编 号 **Specification NO.**	
编写人 Write by	张明超
版本 **REV.**	Ver.1
日　期 **Date**	2023/6/20
备　注 **Note**	

客户确认 **CUSTOMER APPROVED BY**		
批准 Approved by	审核 Checked by	制表 Prepared by
供方确认 **SUPPLIER APPROVED BY**		
批准 Approved by	审核 Checked by	制表 Prepared by

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版本变更记录				
变更日期	变更内容	版本	变更人	批准人

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1. 承认书项目表 (Index)

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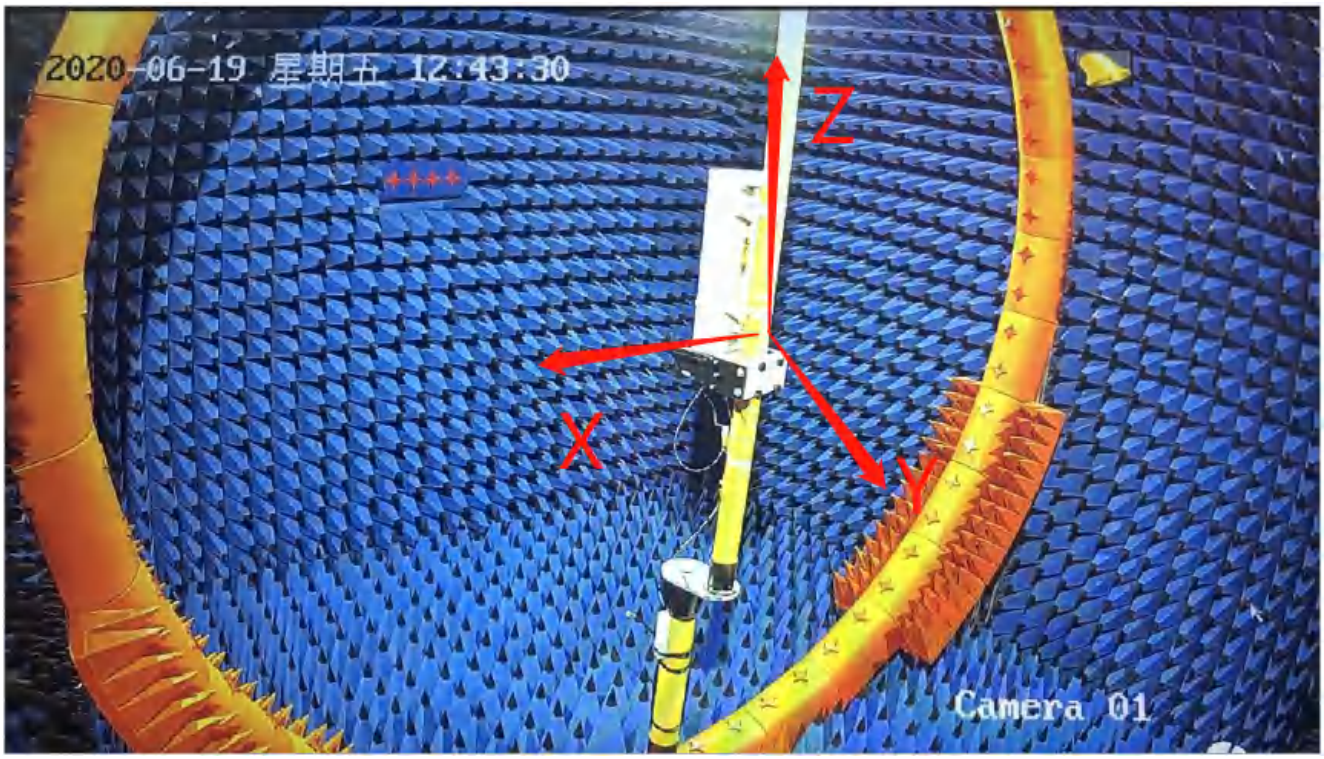
2. 试验设备和条件(Test Equipment & Conditions)

2.1. Network Analyzers : KEYSIGHT P5002A

2.2. Communications Test Set: R&S CMW 500

2.3. 3D Chamber Test System: 64探头测试系统



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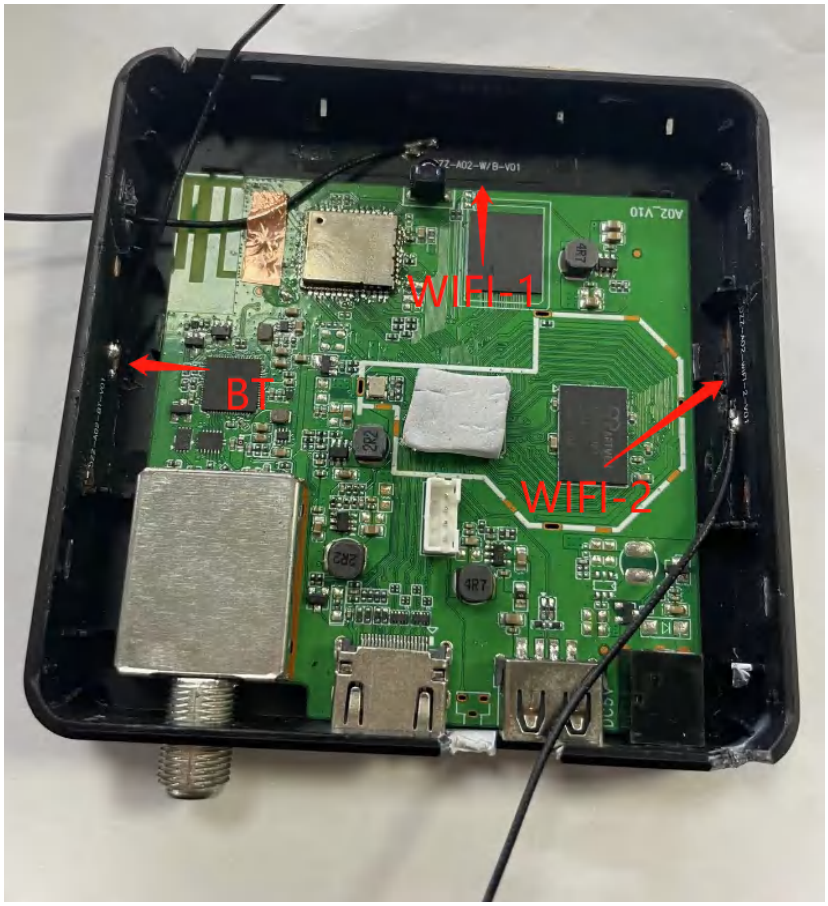
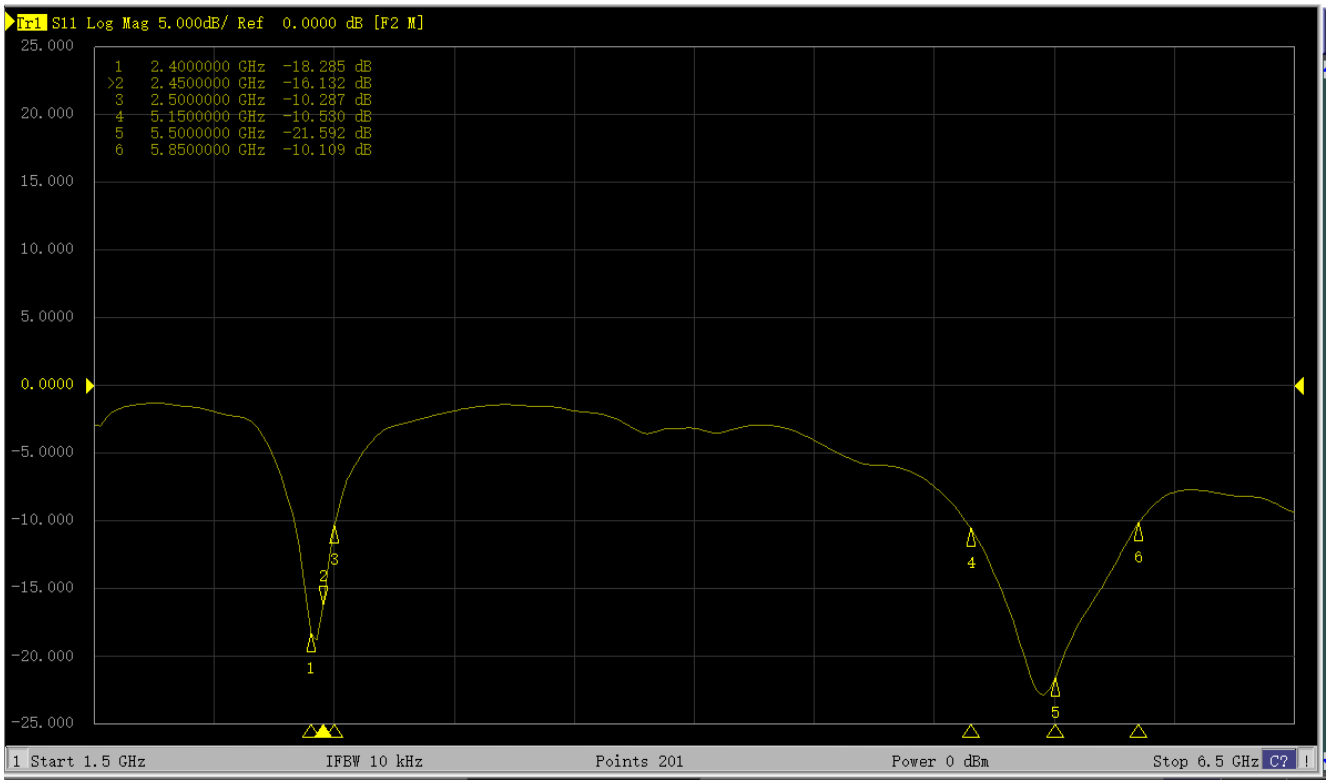
天线实物图（FPC天线）



WIFI-1天线S11

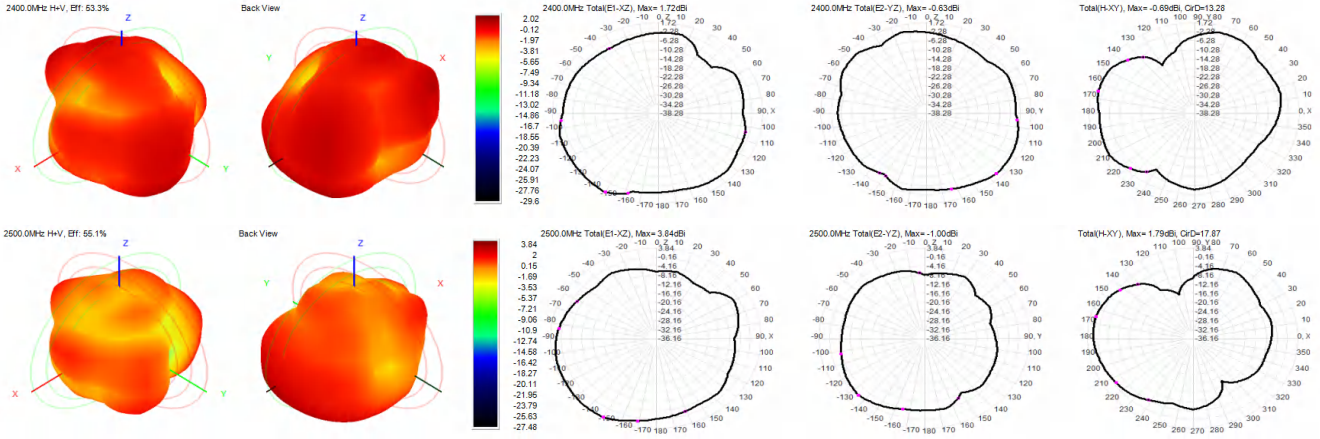


效率、增益、3D

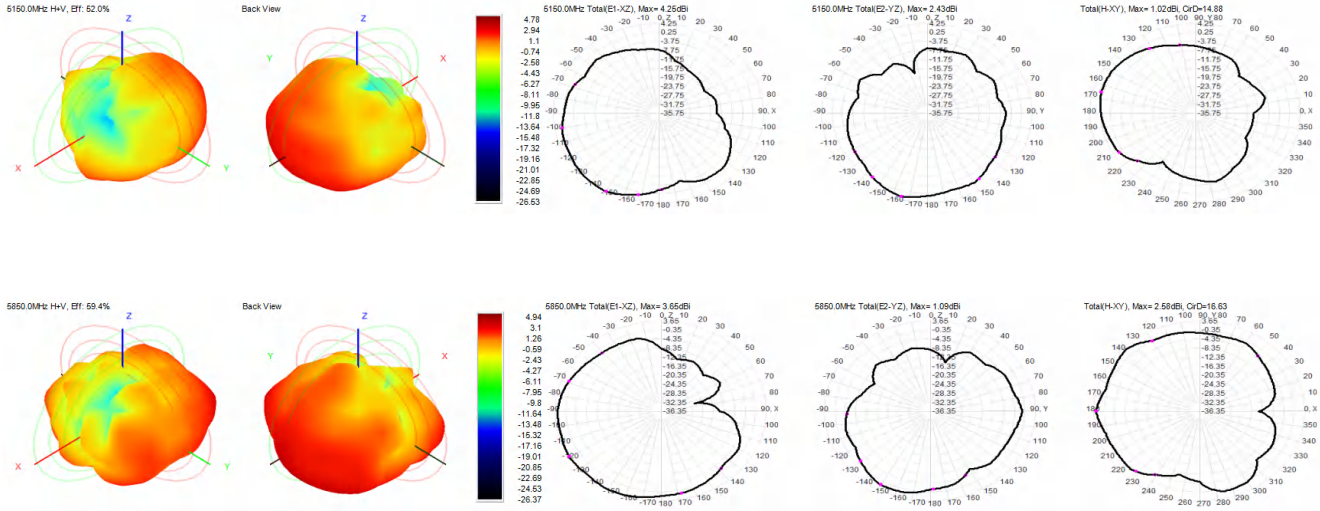
Frequency ID	1	2	3	4	5	6
Frequency (MHz)	2400.0	2450.0	2500.0	5150.0	5450.0	5850.0
Gain (dBi)	2.02	3.49	3.84	4.78	4.80	4.94
Efficiency (%)	53.28	56.60	55.08	52.03	57.61	59.36

天线2-3D

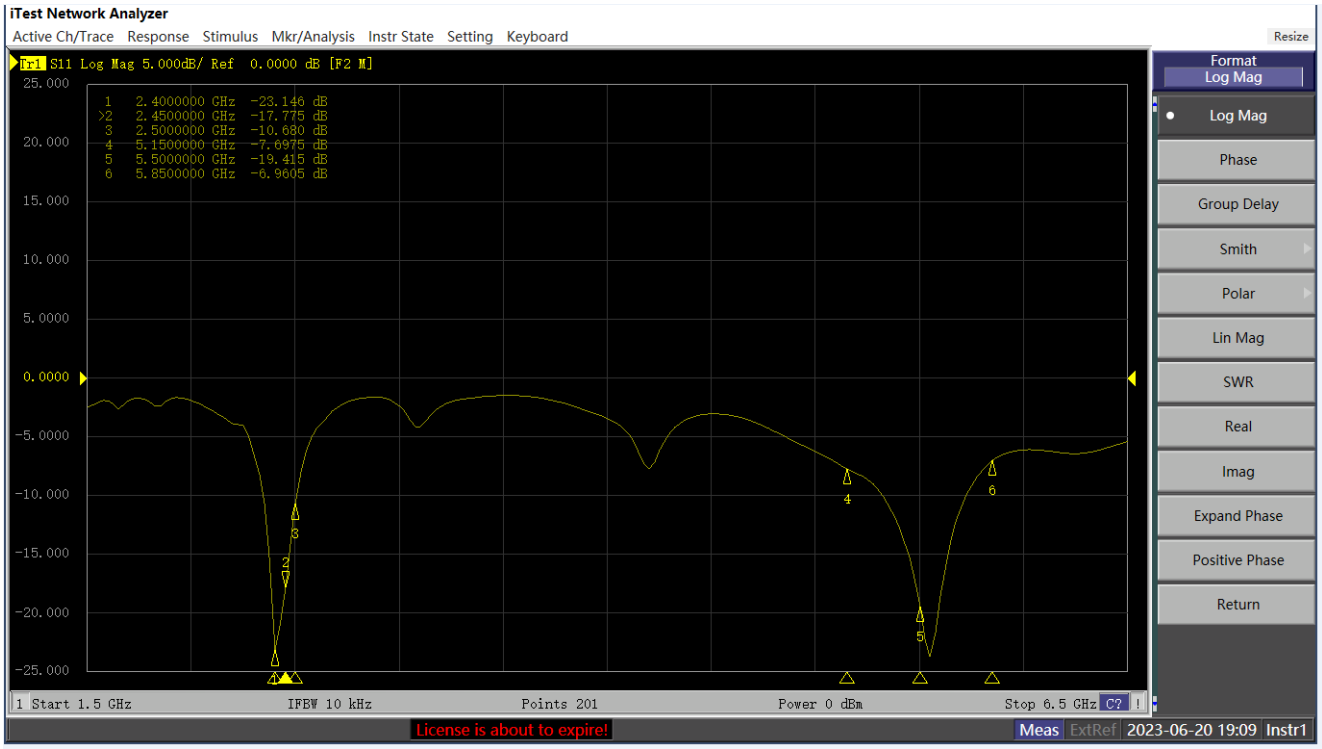
2.4G-2.5G 辐射方向图



5.15G-5,85G 辐射方向图



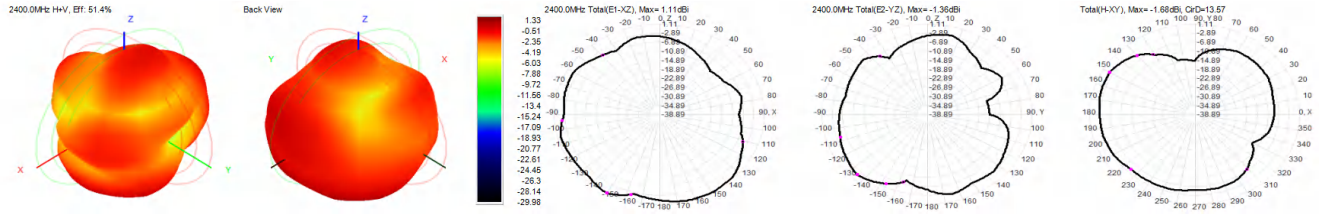
WIFI-2天线S11

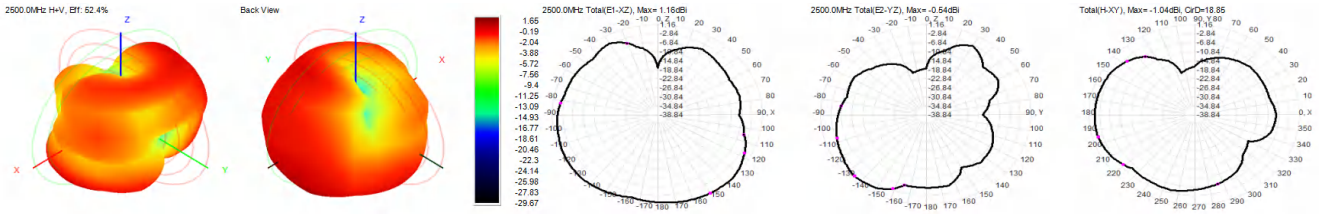


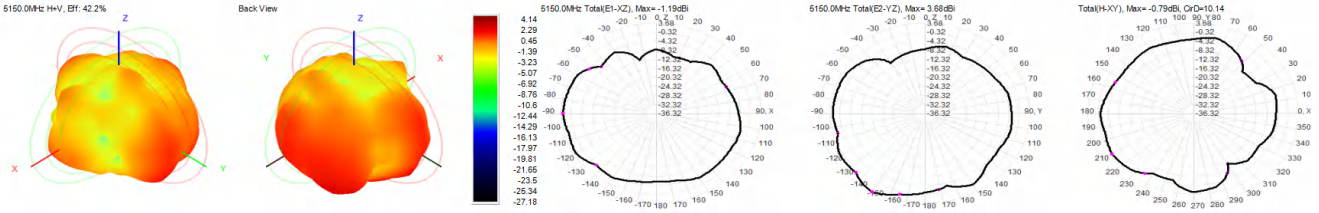
效率、增益、3D

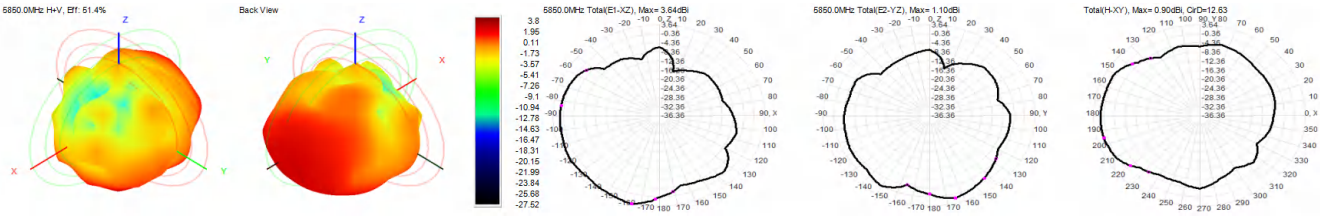
Frequency ID	1	2	3	4	5	6
Frequency (MHz)	2400.0	2450.0	2500.0	5150.0	5450.0	5850.0
Gain (dBi)	1.33	1.90	1.65	4.14	5.04	3.80
Efficiency (%)	51.35	53.11	52.41	53.84	58.25	51.43

天线2-3D

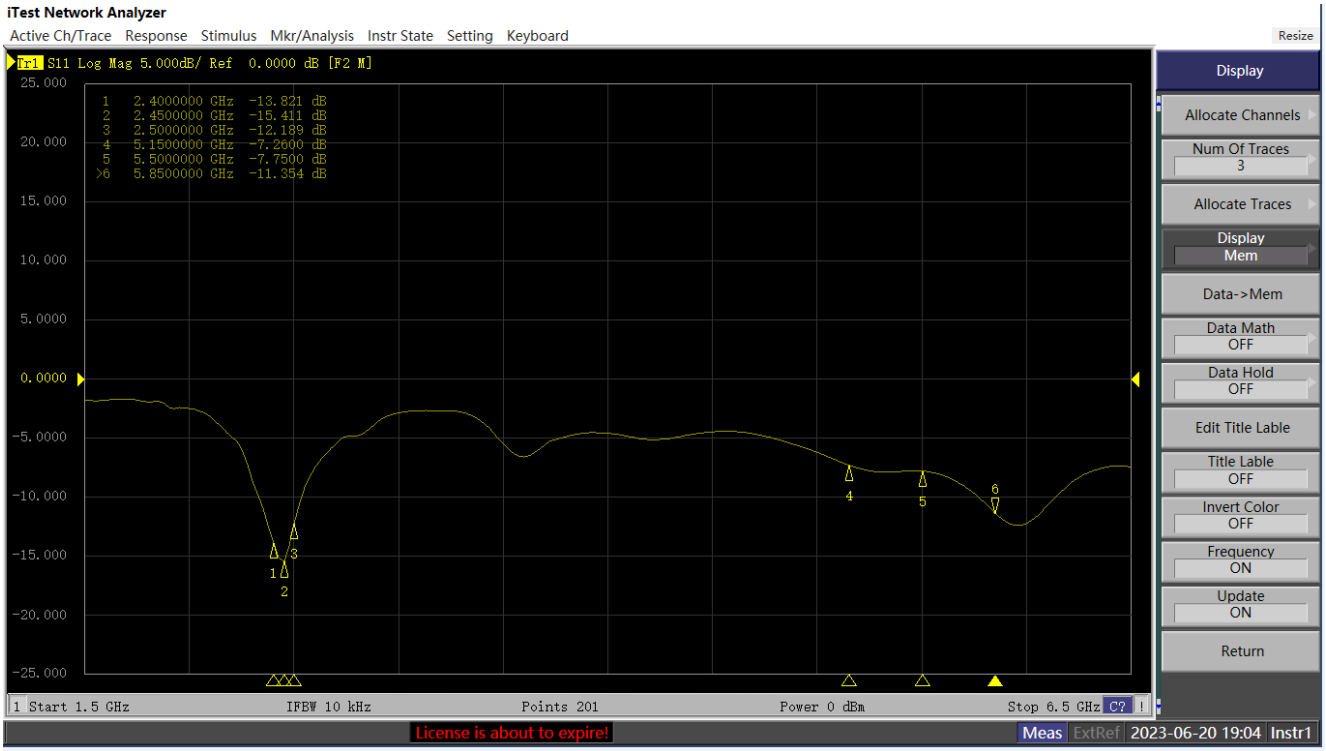

2400.0MHz H+V, Eff: 51.4%
Back View
2400.0MHz Total(E1-XZ), Max= 1.11dBi
2400.0MHz Total(E2-YZ), Max= -1.36dBi
Total(H-XY), Max= -1.68dBi, CirD=13.57


2500.0MHz H+V, Eff: 52.4%
Back View
2500.0MHz Total(E1-XZ), Max= 1.16dBi
2500.0MHz Total(E2-YZ), Max= -0.54dBi
Total(H-XY), Max= -1.04dBi, CirD=18.85


5150.0MHz H+V, Eff: 42.2%
Back View
5150.0MHz Total(E1-XZ), Max= -1.19dBi
5150.0MHz Total(E2-YZ), Max= 3.68dBi
Total(H-XY), Max= -0.79dBi, CirD=10.14

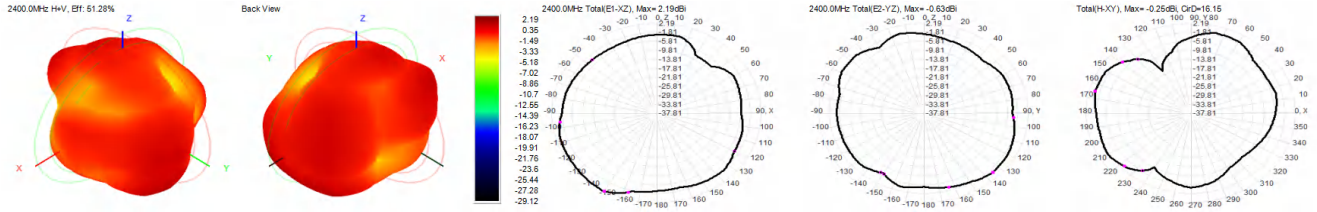

5850.0MHz H+V, Eff: 51.4%
Back View
5850.0MHz Total(E1-XZ), Max= 3.64dBi
5850.0MHz Total(E2-YZ), Max= 1.10dBi
Total(H-XY), Max= 0.90dBi, CirD=12.63

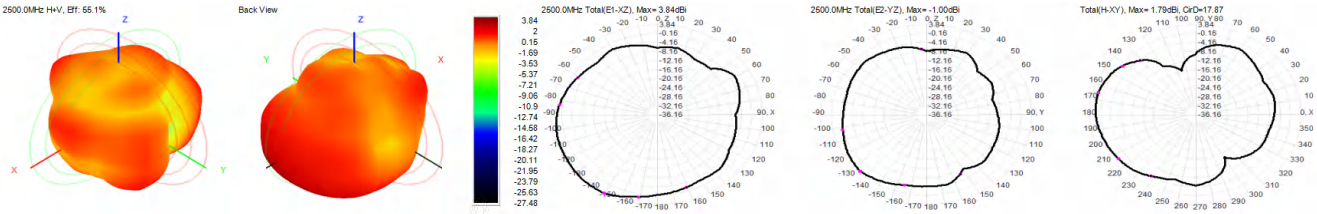
BT-天线S11



效率、增益、3D

Frequency ID	1	2	3
Frequency (MHz)	2400.0	2450.0	2500.0
Gain (dBi)	2.19	3.49	3.84
Efficiency (%)	51.28	56.60	55.08


2400.0MHz H+V, Eff: 51.28%
Back View
2400.0MHz Total(E1-XZ), Max= 2.19dBi
2400.0MHz Total(E2-YZ), Max= -0.63dBi
Total(H-XY), Max= -0.25dBi, CirD=16.15


2500.0MHz H+V, Eff: 55.1%
Back View
2500.0MHz Total(E1-XZ), Max= 3.84dBi
2500.0MHz Total(E2-YZ), Max= -1.00dBi
Total(H-XY), Max= 1.79dBi, CirD=17.87