

目录

一、制造商信息 Manufacturer Information.....	1
二、天线样品及天线类型 Antenna sample and antenna type.....	1
三、天线方向图 Antenna pattern.....	5
四、 天线增益 Antenna gain.....	13
五、 天线增益实测数据 Antenna gain measured data.....	15

一、制造商信息 Manufacturer Information

制造商： 深圳祥博一科技有限公司Manufacturer:

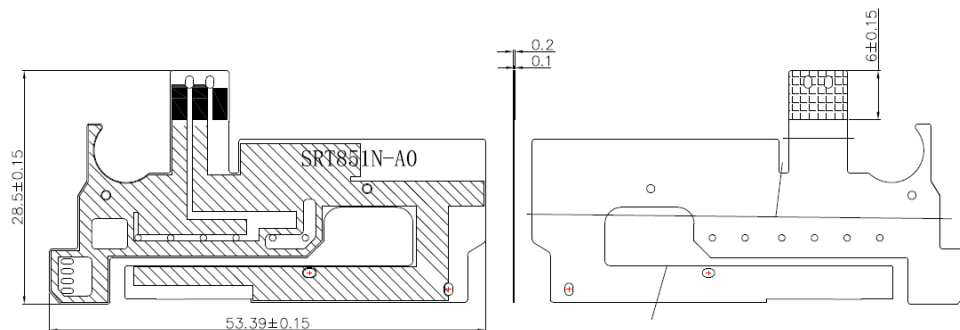
Shenzhen Xiangboyi Technology Co. Ltd

地址： 广东省深圳市龙华区油松路 95 号油松文创园文成楼 1 楼

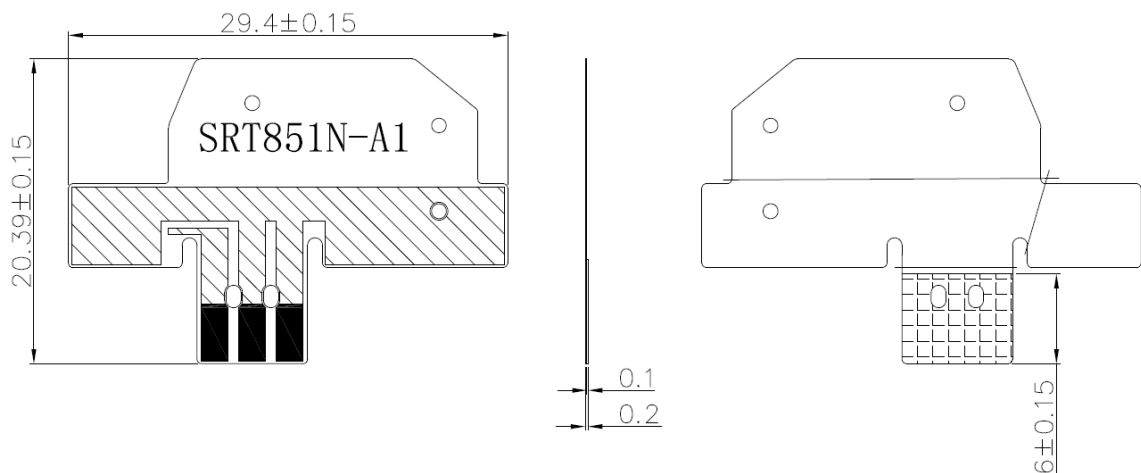
Address: 1 / F, Wencheng Building, Pinus Tabulaeformis Cultural Innovation Park, 95 Yousong Road, Longhua District, Shenzhen City, Guangdong Province

二、天线样品及天线类型 Antenna sample and antenna type

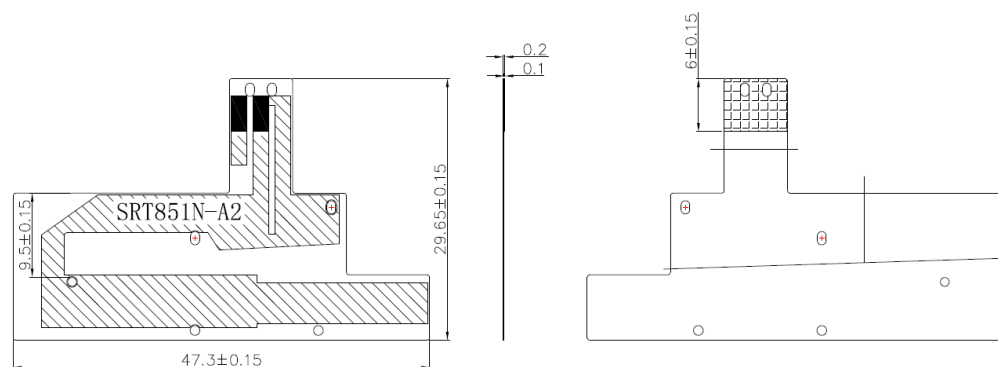
SRT851N-A0 天线类型 FPC 发射天线 transmitting antenna



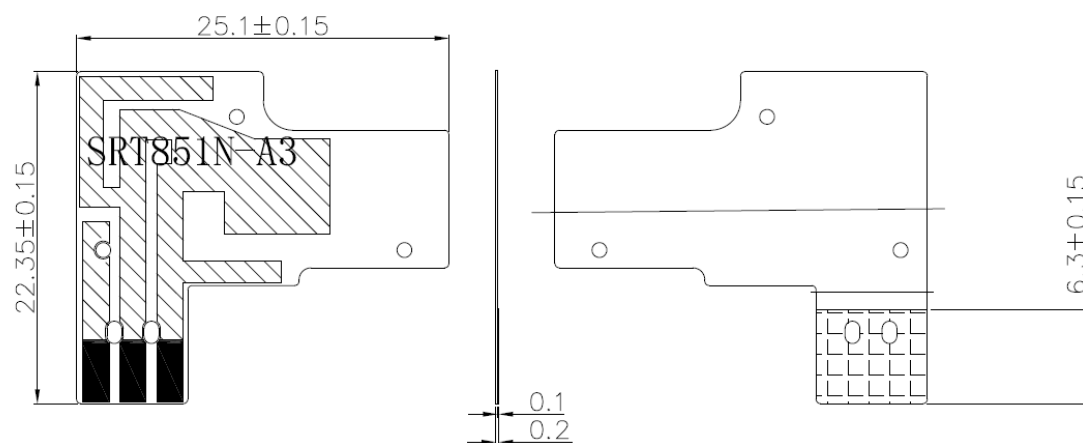
SRT851N-A1 天线类型 FPC 发射天线 transmitting antenna



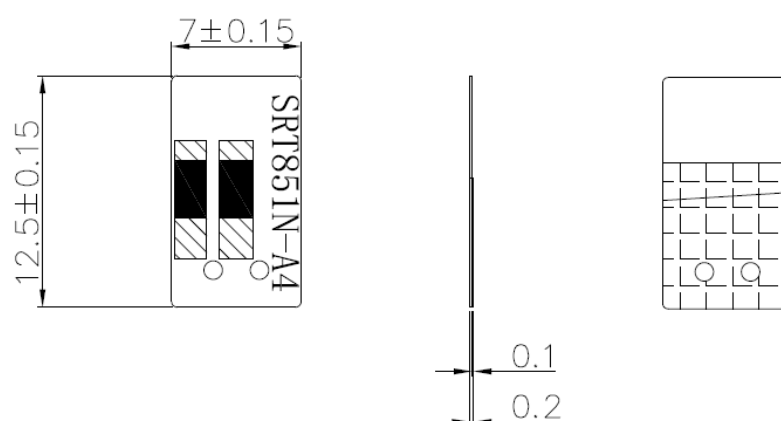
SRT851N-A2 天线类型 FPC 接收天线 receiving antenna



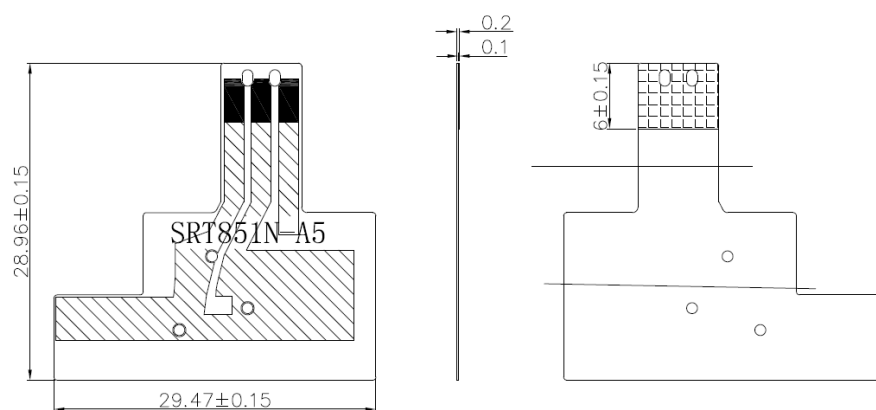
SRT851N-A3 天线类型 FPC 接收天线 receiving antenna



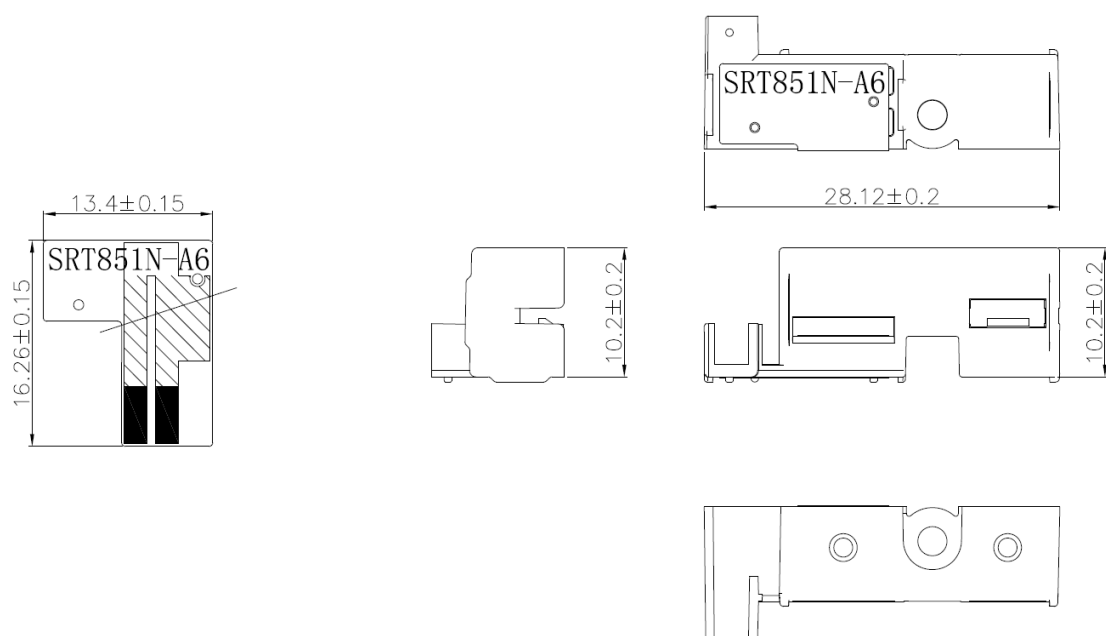
SRT851N-A4 天线类型 FPC 发射天线 transmitting antenna



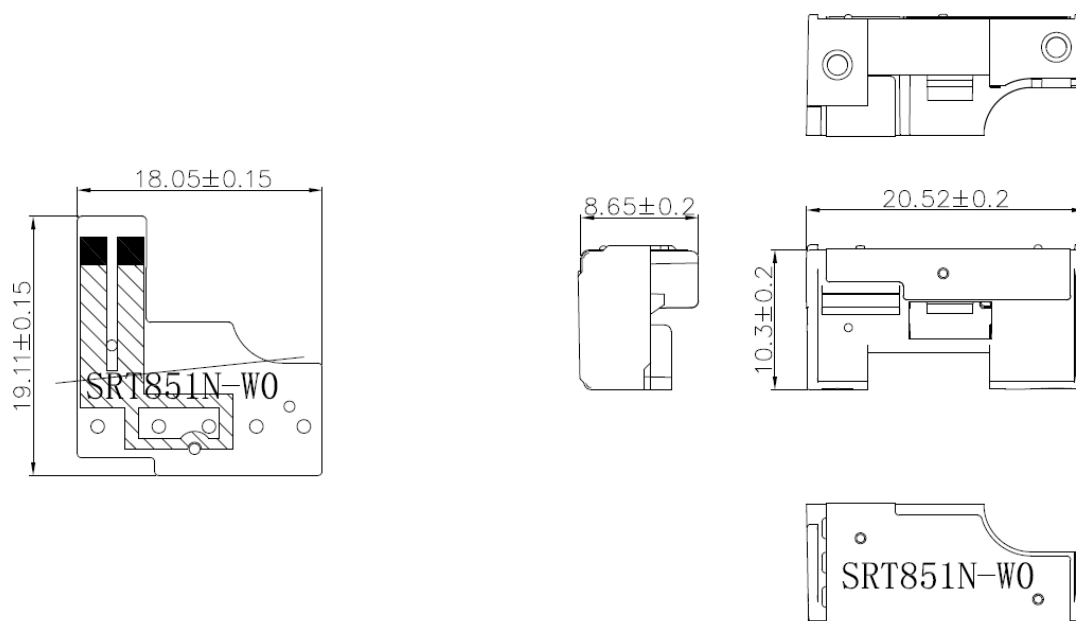
SRT851N-A5 天线类型 FPC 接收天线 receiving antenna



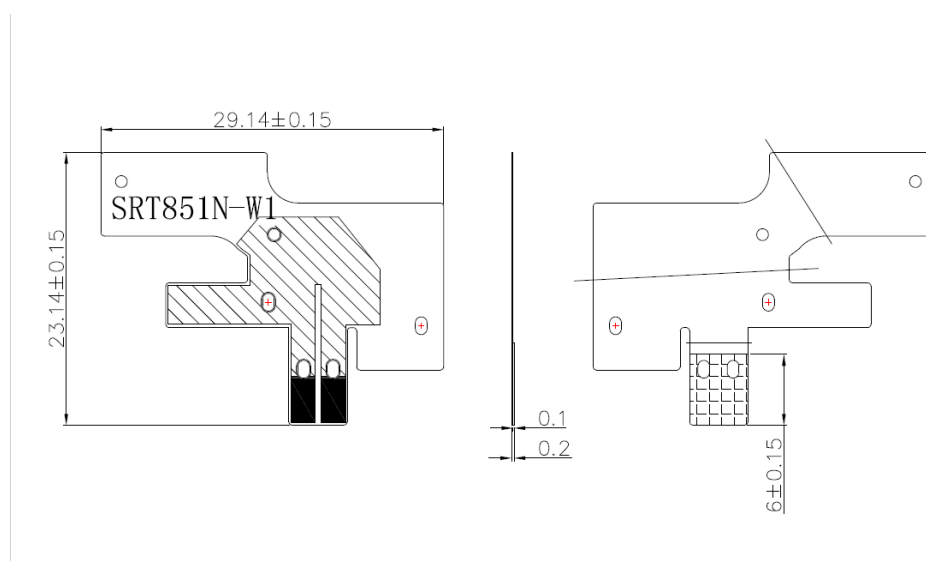
SRT851N-A6 天线类型 FPC 发射天线 transmitting antenna



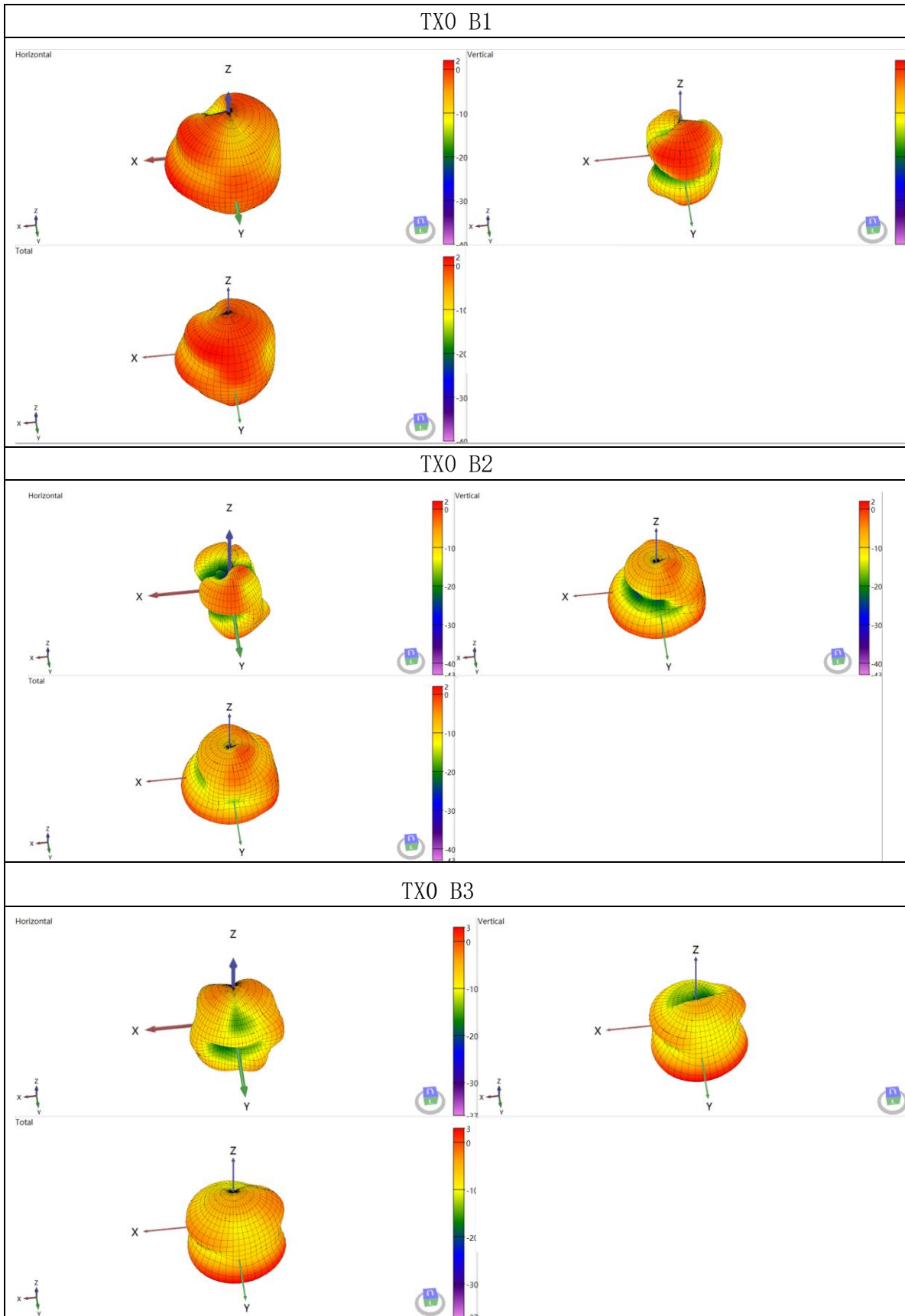
SRT851N-W0 天线类型 FPC



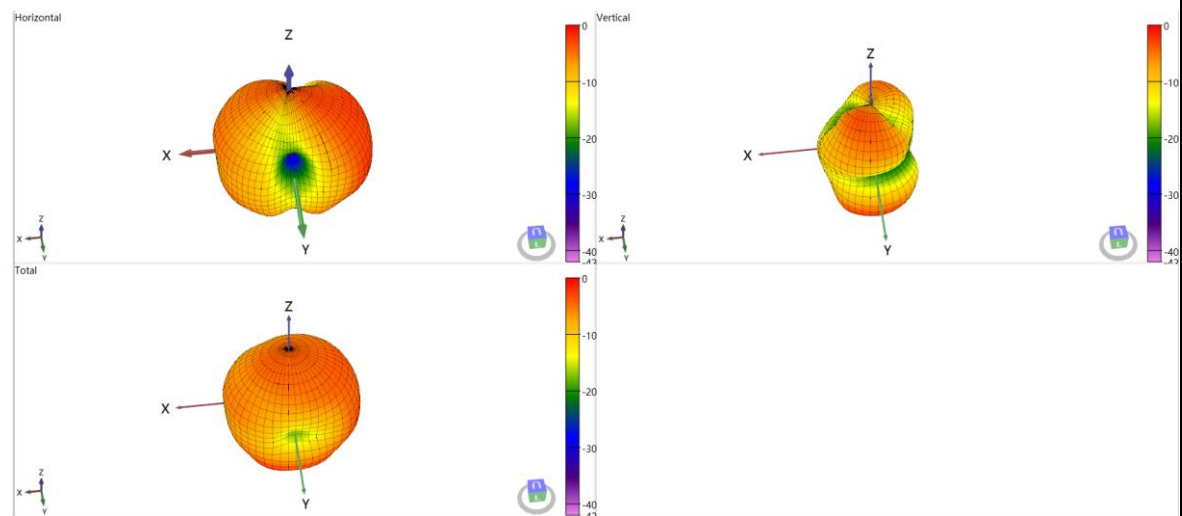
SRT851N-W1 天线类型 FPC



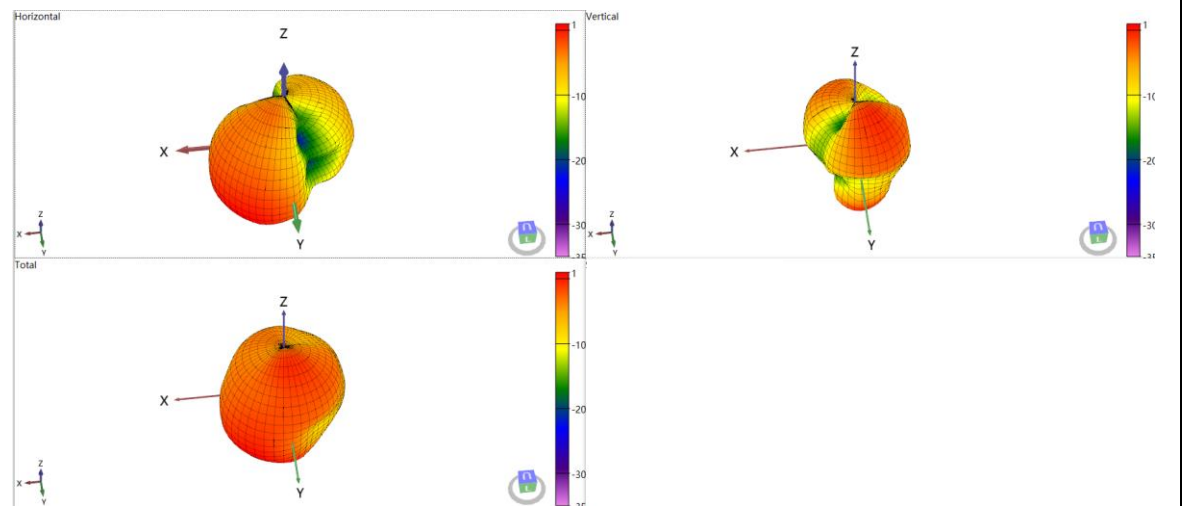
三、天线方向图 Antenna pattern



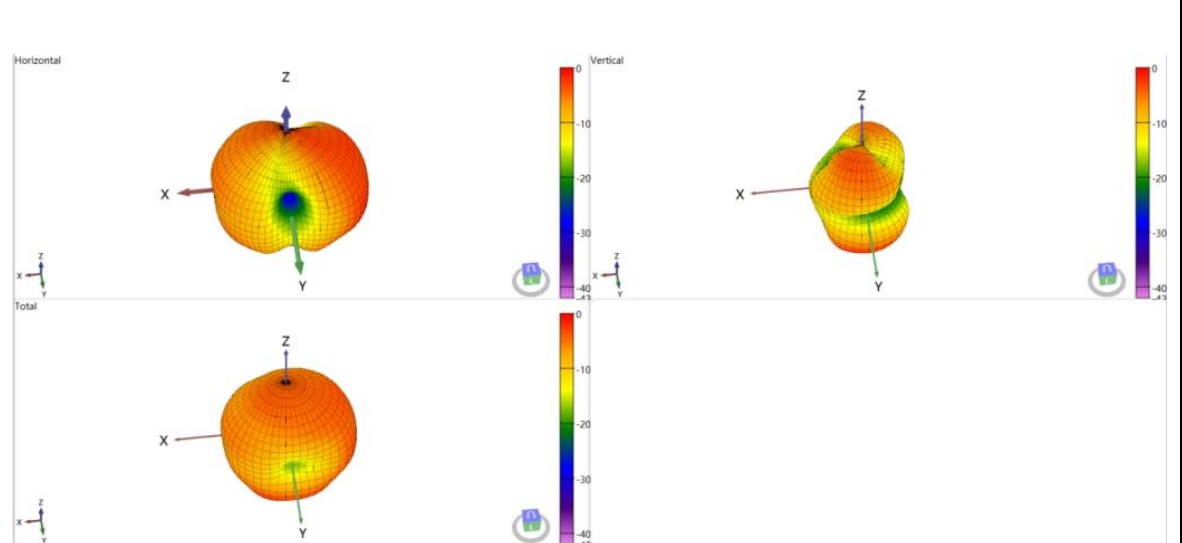
TX0 B5\B18\B19\B26



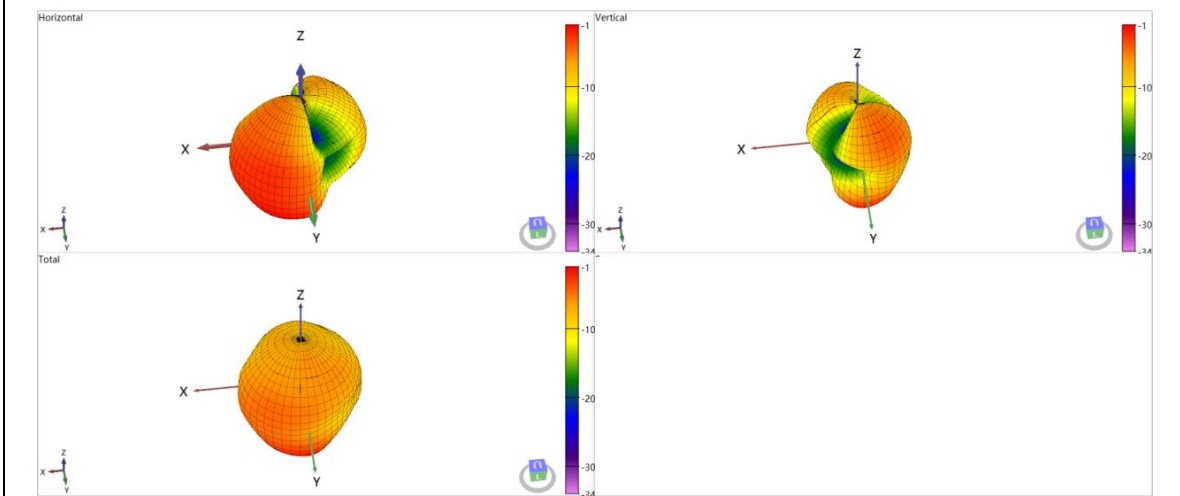
TX0-B20



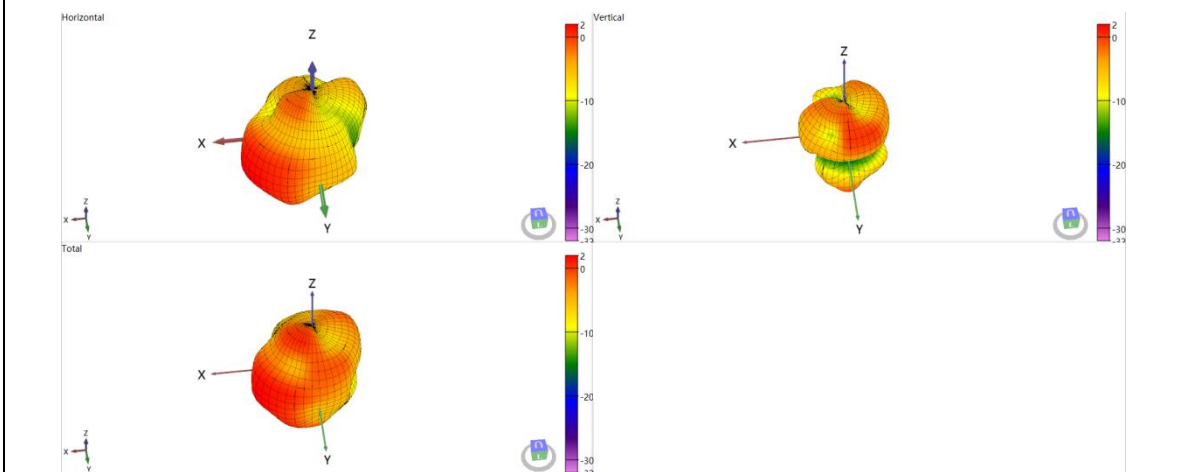
TX0 B8



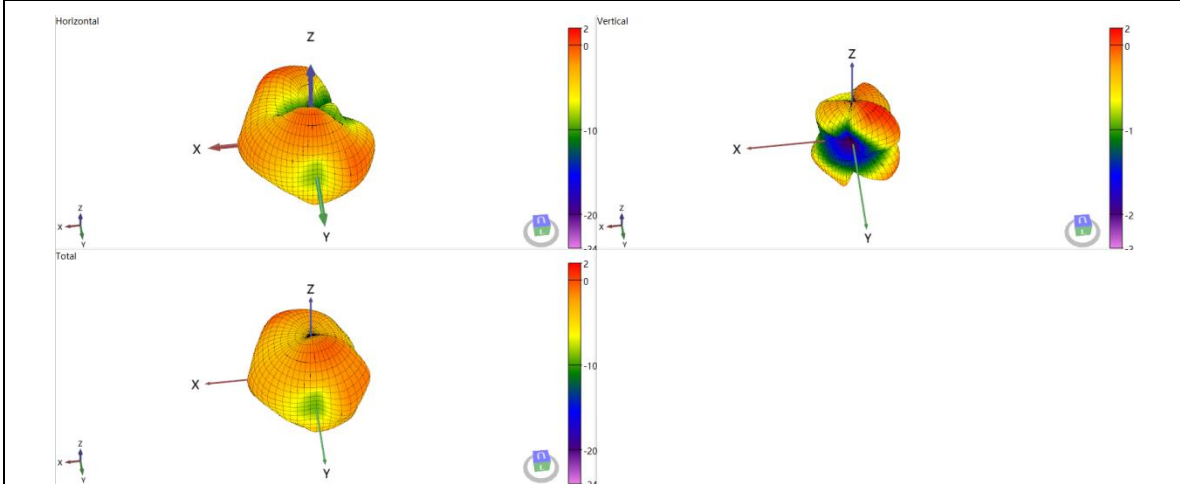
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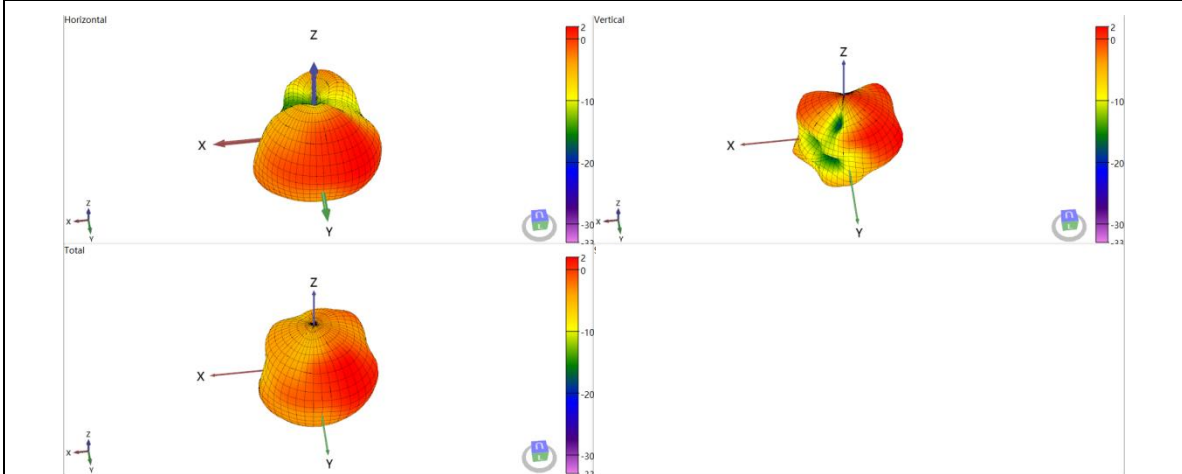
TX0 B7/B41



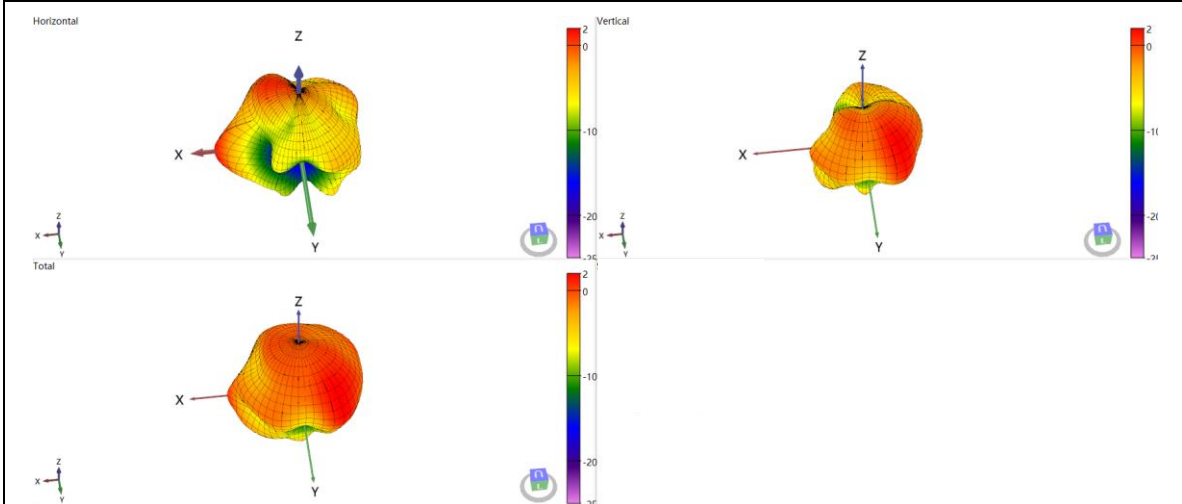
TX0 B42



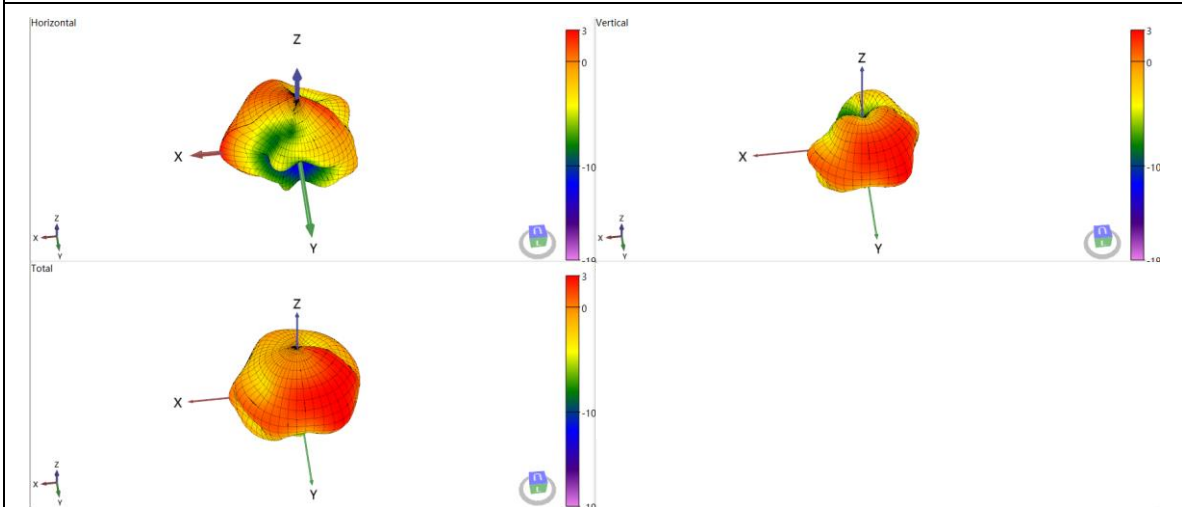
TX0 N79



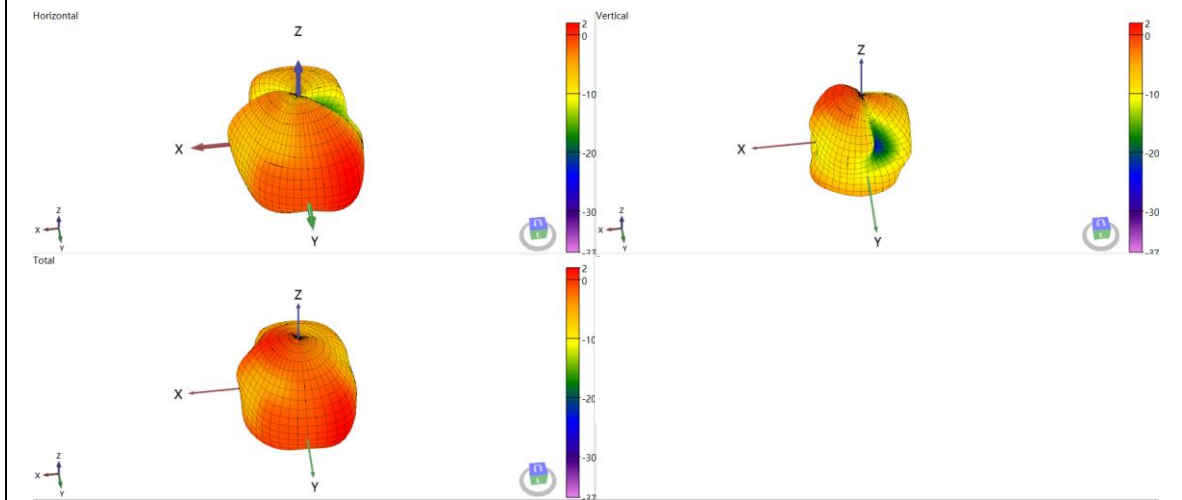
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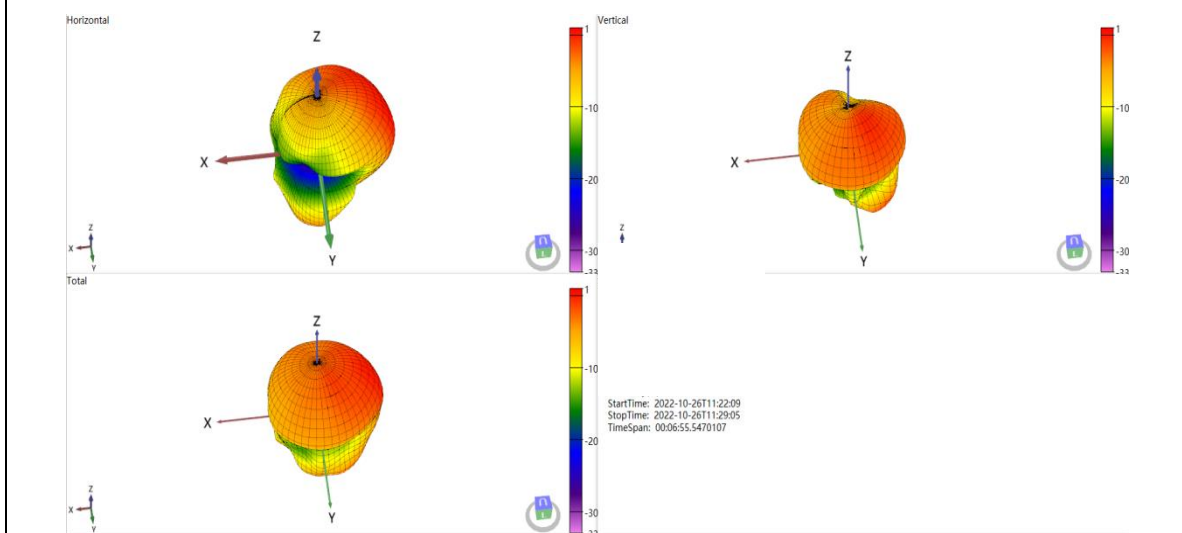
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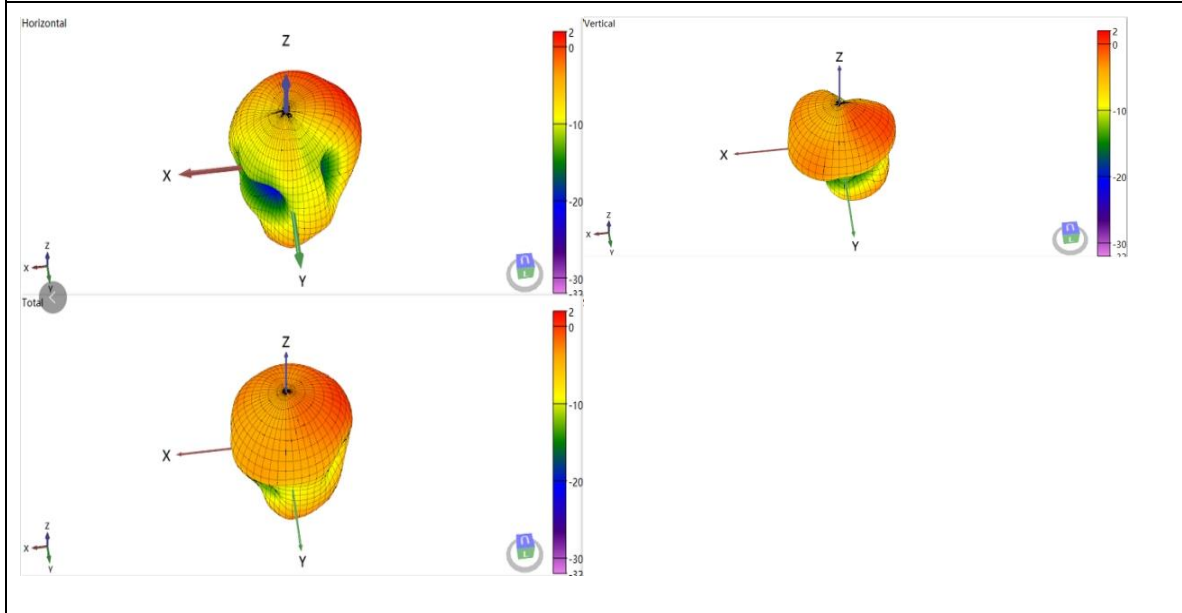
W0 2.4G



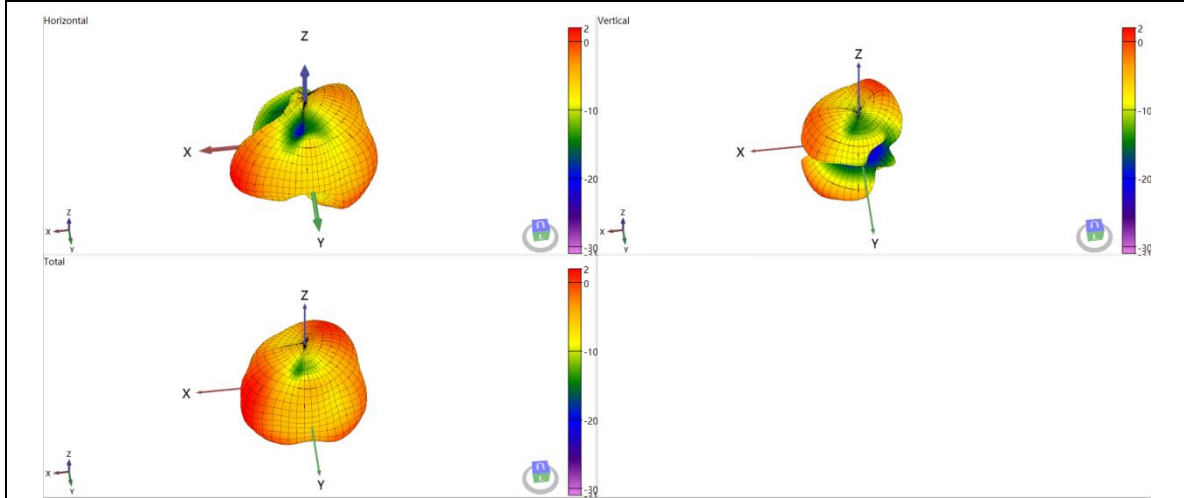
W0 5G (5250MHz)



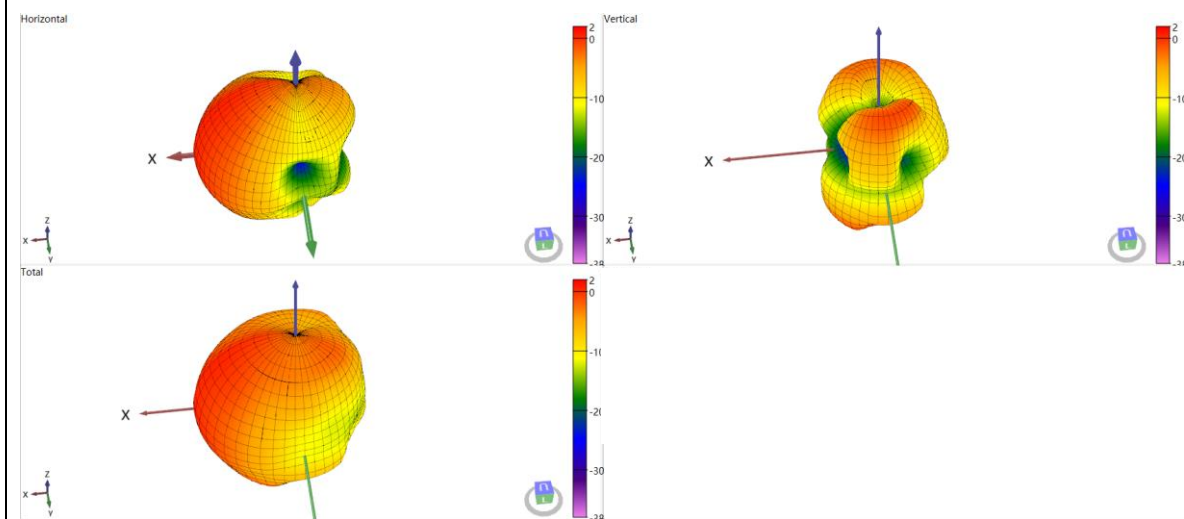
W0 5G (5500MHz)



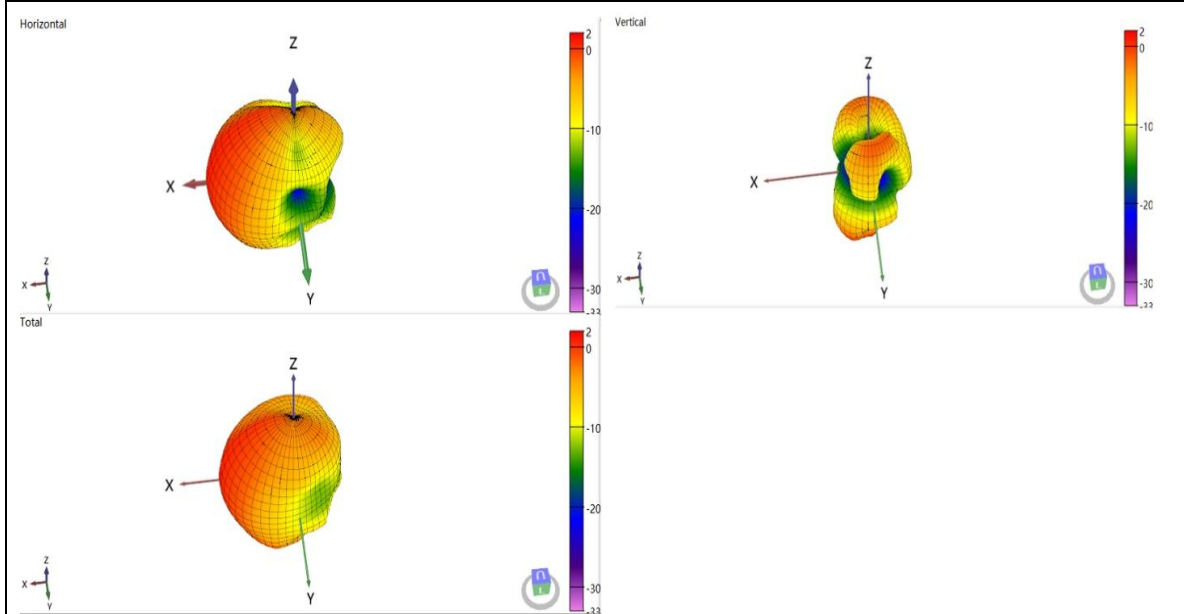
W1 2.4G



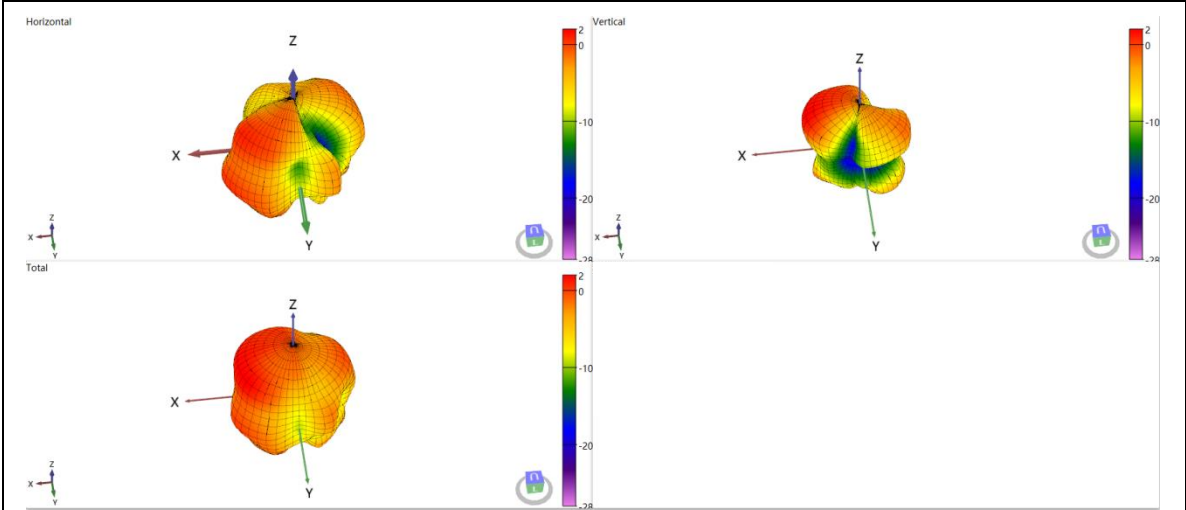
W1 5G (5250MHz)



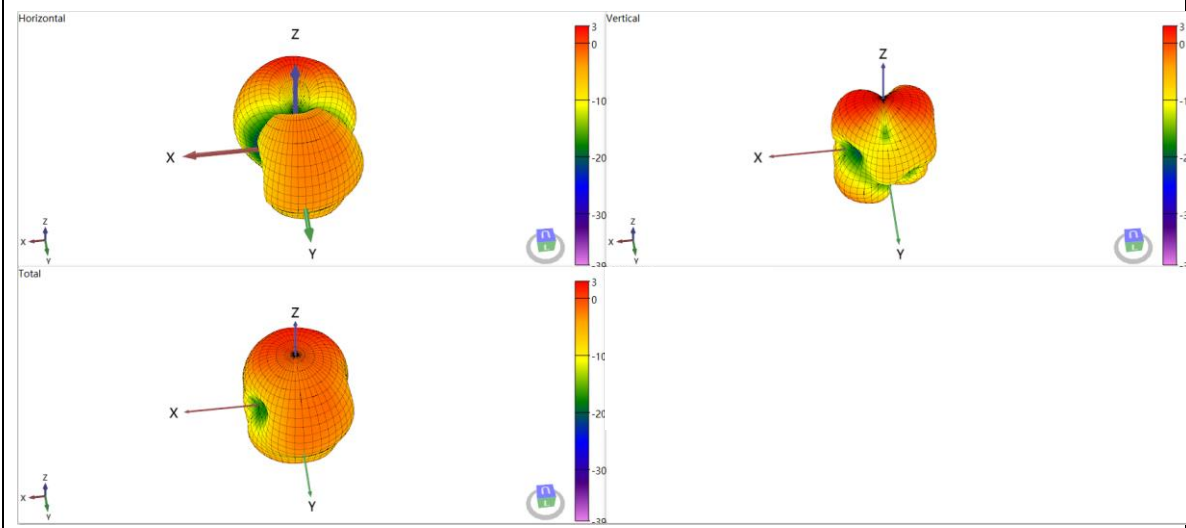
W1 5G (5500MHz)



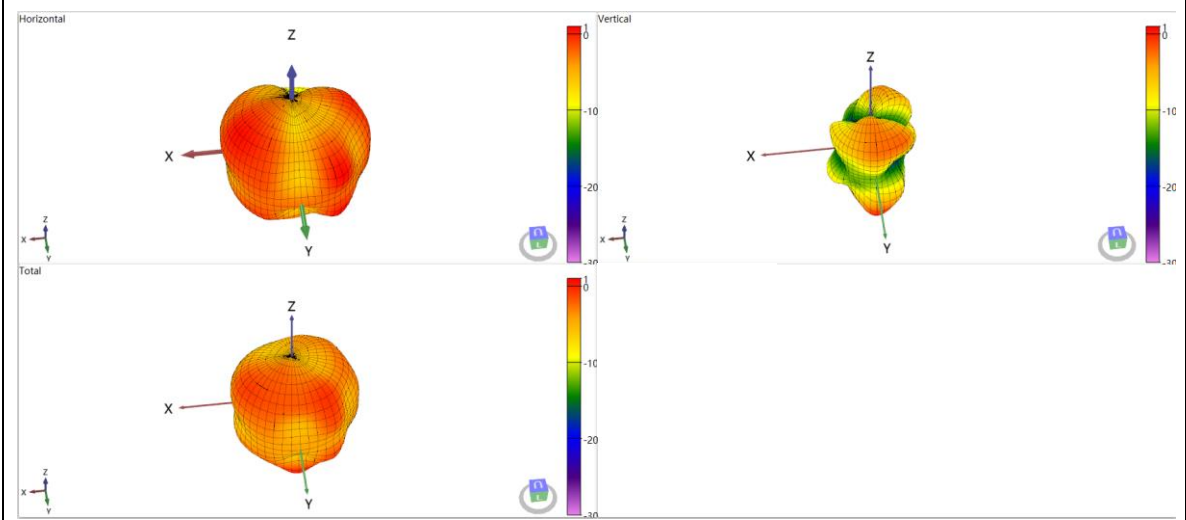
TX1 B1



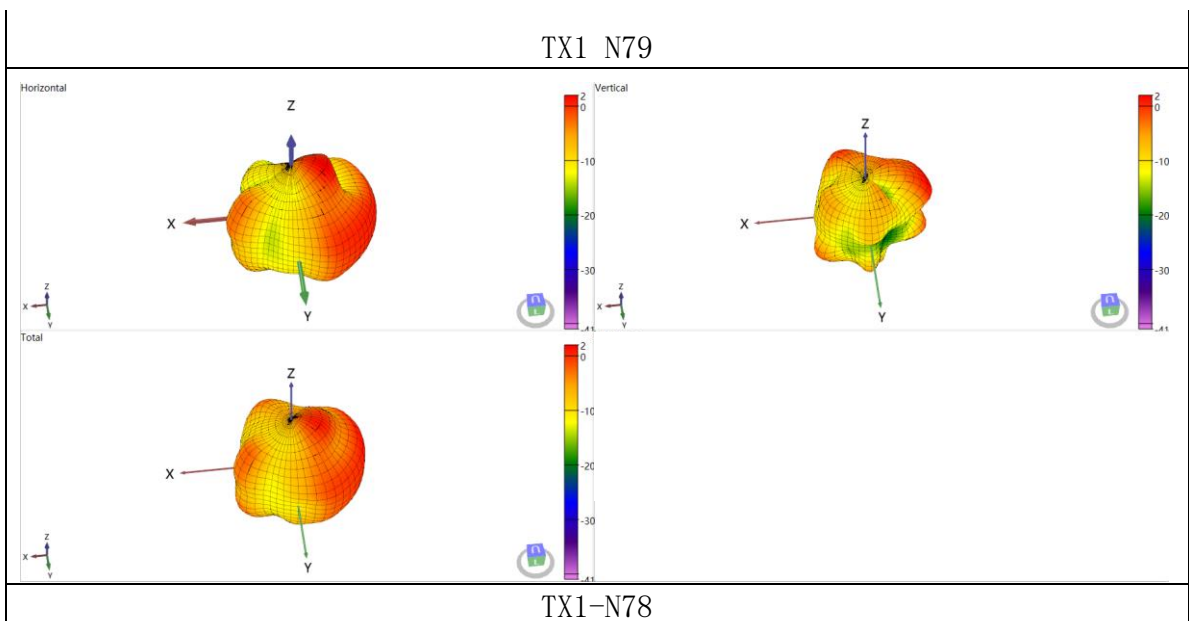
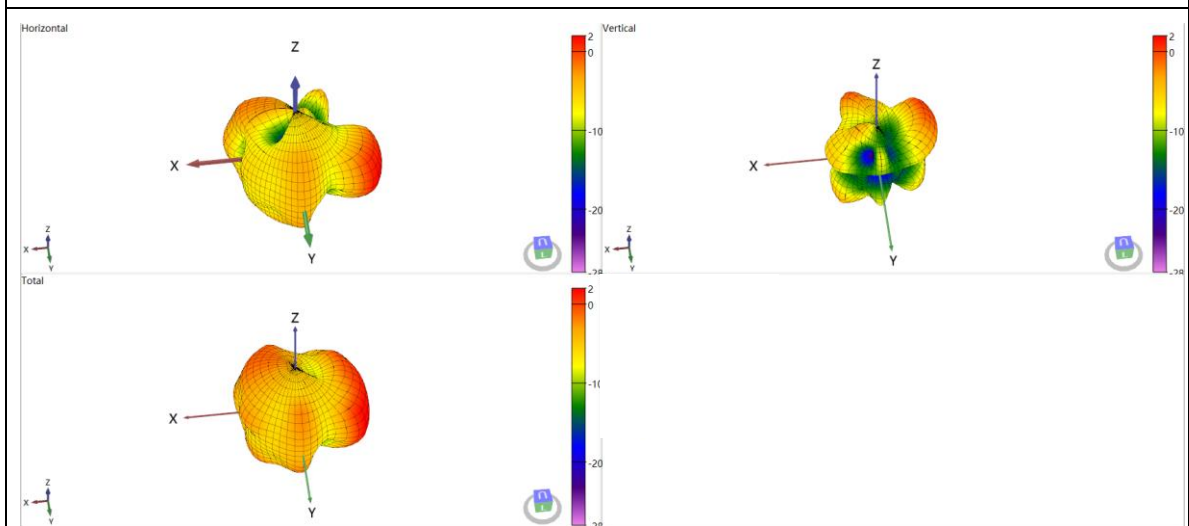
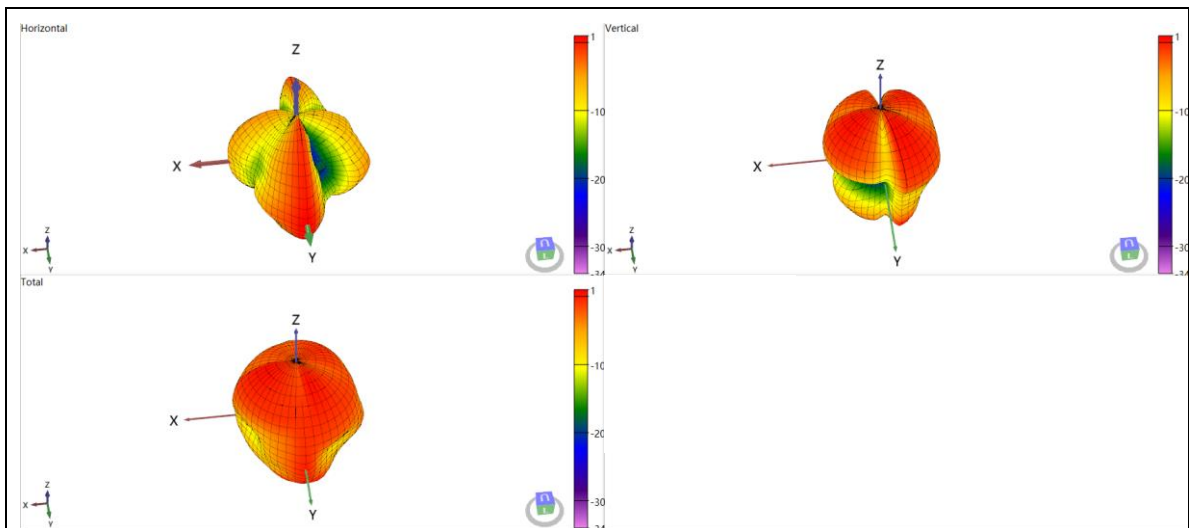
TX1 B2

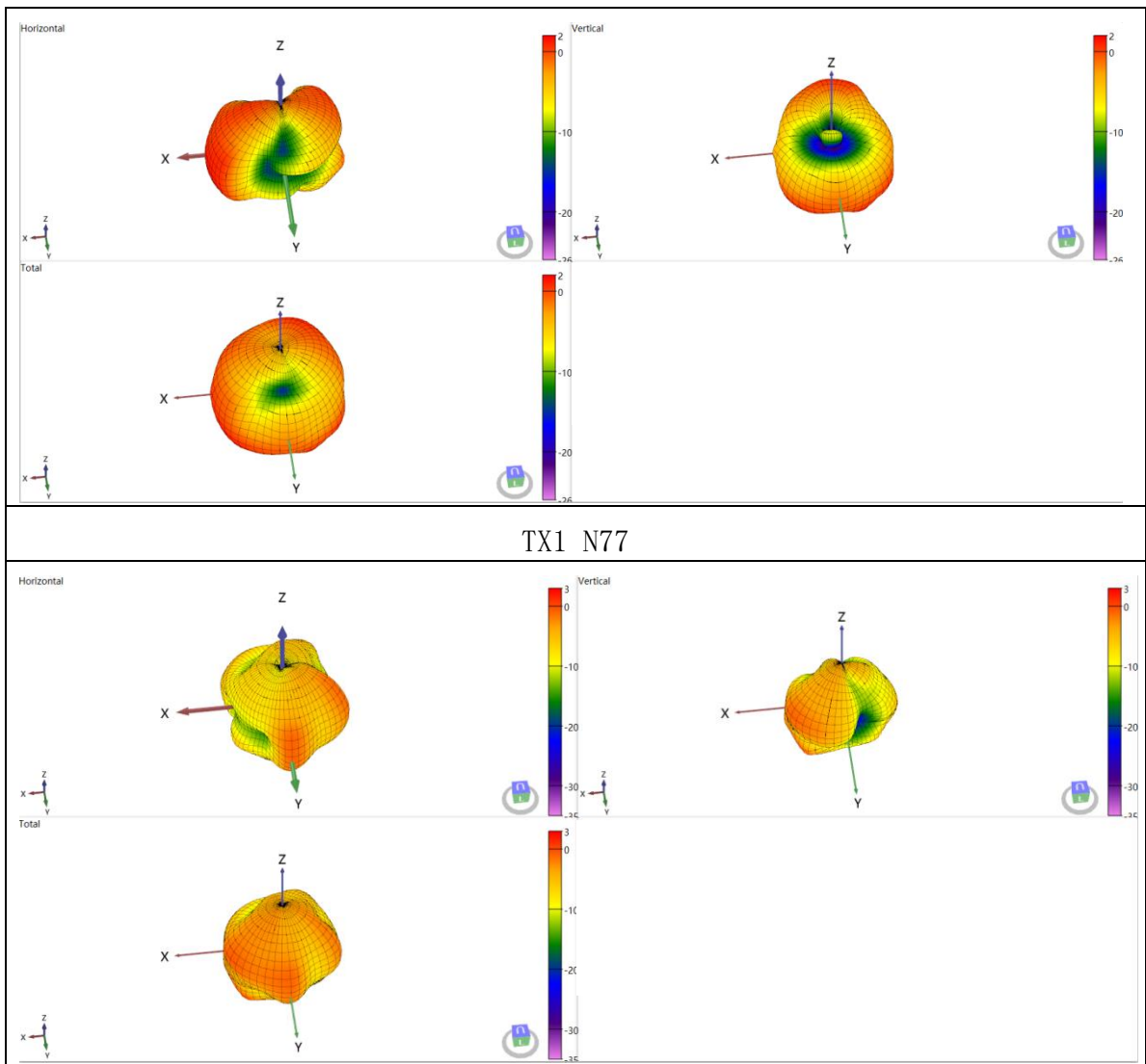


TX1 B3/B4



TX1 B20





四、天线增益 Antenna gain (单位/unit : dBi)

		ANT0	ANT1	ANT2	ANT4	ANT6
B1 15M	1927.5	2	2			
	1947.6	2.2	1.9			
	1972.5	2.3	1.9			
B2 15M	1857.5	2.5	2.1			
	1880	2.5	1.5			
	1902.5	2	1.8			
B3 20M	1720	1.6	2.2			
	1747.5	1.5	2.2			

	1775	1.4	2			
B4 20M	1720		2.2			
	1732.5		2.2			
	1745		2.2			
B5 10M	829	0.81				
	836.5	0.78				
	844	0.7				
B7 20M	2510	1.8	2.4			
	2535	1.8	2.3			
	2560	2	2			
B8 10M	885	0.2				
	897.5	0.2				
	910	0.21				
B18 15M	822.5	0.81				
B19 15M	837.5	0.78				
B20 10M	837	0.78		1.1		
	847	0.7		0.9		
	857	0.7		0.8		
B26 10M	819	0.81				
	831.5	0.78				
	844	0.7				
B28 10M	708	0.45				
	725.5	0.67				
	743	0.87				
B41	2506		2.4			
	2593		1.9			
	2680		1.7			
B42 20M	3410				2.1	2.3
	3450.5				1.8	2.2
	3590				2	2.1
N77 100M	3350.01				2.7	2.6
	3750				2.5	2.5
	4149.99				2.3	2.4

N78 100M	3350.01				2.7	2.6
	3549.99				2.1	2.2
	3750				2.5	2.5
N79 100M	4450.02				2.6	2.5
	4700.01				2.1	2.6
	4950				1.9	2.7

Wifi Gain (Unit : dBi)

W0	Band	Frequency	Peak Gain
	ISM	2440MHz (2412MHz-2462MHz)	1.6
	UNI-1	5200MHz (5170MHz-5250MHz)	1.3
	UNI-2A	5250MHz (5250MHz-5350MHz)	1.4
	UNI-2C	5600MHz (5470MHz-5725MHz)	1.5

W1	Band	Frequency	Peak Gain
	ISM	2440MHz (2412MHz-2462MHz)	1.4
	UNI-1	5200MHz (5170MHz-5250MHz)	1.5
	UNI-2A	5250MHz (5250MHz-5350MHz)	1.5
	UNI-2C	5600MHz (5470MHz-5725MHz)	1.4

五、天线增益实测数据 Antenna gain measured data

1、测试流程和环境 Test the process and environment

Test step

The specific test methods and steps are as follows:

A) Adjust the ambient temperature of the test system to ensure that it is around 25°C;

B) antenna test:

1) Install the machine to be tested on the test fixture.

2) Start the test after setting the test frequency range. During the testing process, the system software automatically completes the acquisition, storage and calculation of the amplitude and phase data of the antenna to be tested.

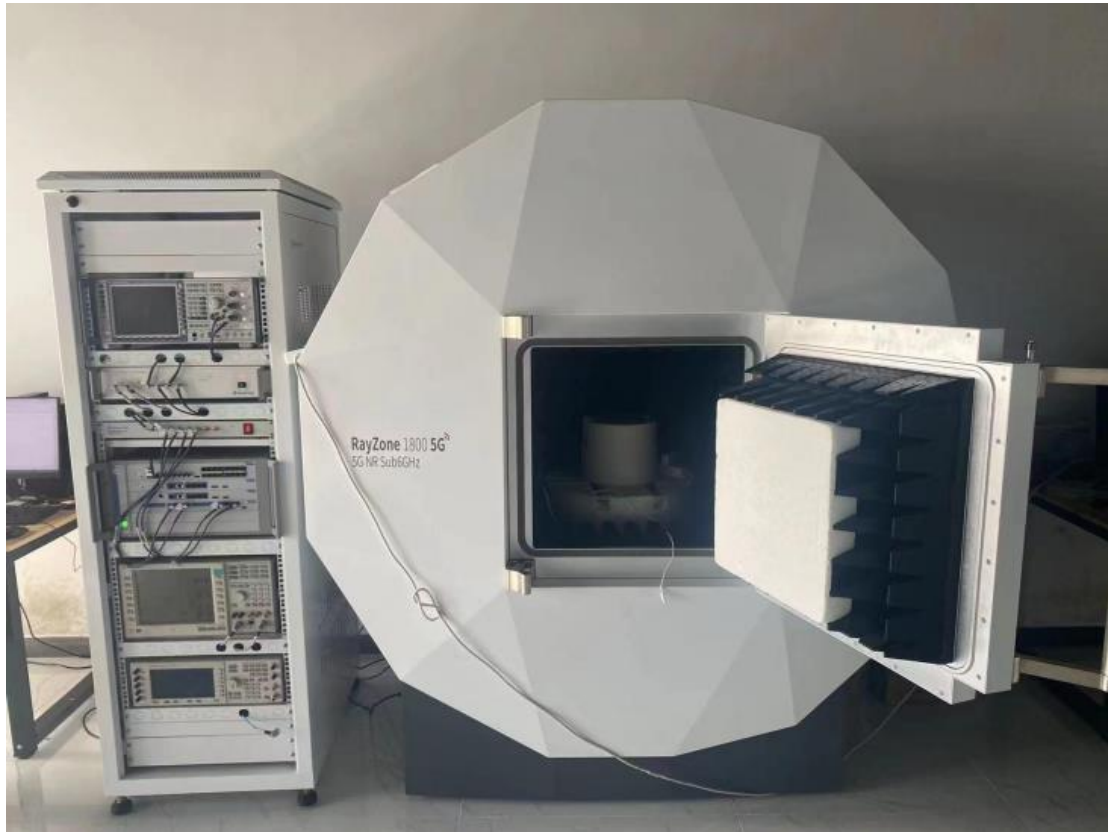
3) The machine gain data can be obtained from the test software through the system supporting software.

Environment

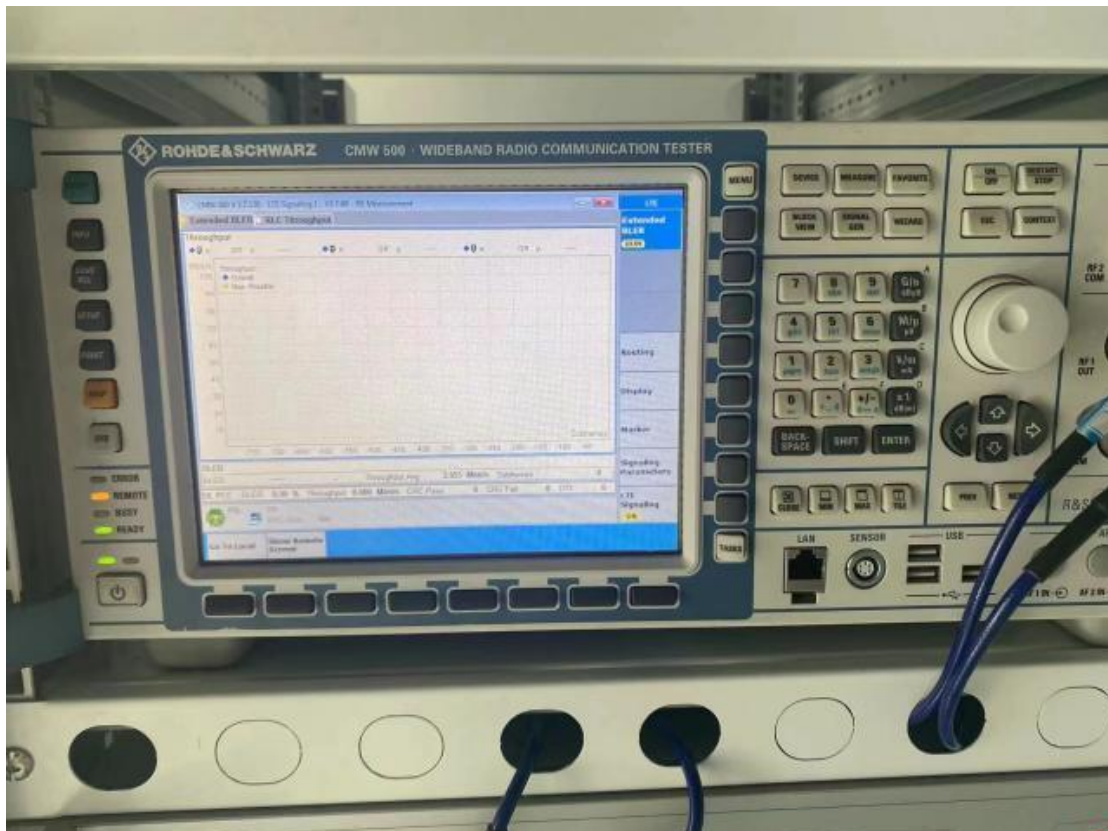
The location of product machine in darkroom.



Test darkroom



Test instrumentation



2、实测数据 Measured data (单位/unit:dBi)

ANT0

Frequency	Gain
700	-0.19
710	0.45
720	0.67
730	0.6
740	0.87
750	0.85
760	1.15
770	1.04
780	0.8
790	0.51
800	0.25
810	0.65
820	0.81
830	0.78
840	0.78
850	0.7
860	0.7
870	0.69
880	0.2
890	0.22
900	0.2
910	0.21
920	1.3
930	1.55
940	1.48
950	1.21
960	0.92
1710	1.6
1745	1.5
1780	1.4
1815	1.9
1850	2.5
1885	2.5
1920	2
1955	2.2
1990	2.3
2025	2.4
2060	2.3
2095	1.5
2130	1.6
2165	1.3
2200	1.8
2235	1.6
2270	2.1
2305	1.6

2340	2.3
2375	1.4
2410	1.6
2445	1.6
2480	1.2
2515	1.8
2550	2.0
2585	1.8
2620	1.6
2655	1.5
2690	1.4

ANT1

Frequency	Gain
1700	2
1735	2.2
1770	2
1805	2.9
1840	2.1
1875	1.5
1910	2
1945	1.9
1980	1.9
2015	2.1
2050	1.5
2085	1.1
2120	1.4
2155	2.3
2190	1.2
2225	0.9
2260	0.5
2295	-0.1
2330	0.7
2365	1
2400	2.3
2435	1.9
2470	2.6
2505	2.4
2540	2.3
2575	2
2610	1.9
2645	1.6
2680	1.7
2690	1.5

ANT2

Frequency	Gain
800	-2.1
810	-1.6
820	-1.2

830	1.1
840	0.9
850	0.8
860	0.1
870	0.2
880	0.9
890	-0.1
900	-1.0
910	-2.6
920	-2.6
930	-0.9
940	-1.1
950	-1.7
960	-2.6

ANT4

Frequency	Gain
3300	2.4
3350	2.7
3400	2.1
3450	1.8
3500	1.8
3550	2.1
3600	2.0
3650	2.7
3700	2.8
3750	2.5
3800	2.2
3850	1.9
3900	1.6
3950	1.7
4000	2.4
4050	1.8
4100	1.8
4150	2.3
4200	1.7
4250	1.8
4300	1.5
4350	1.8
4400	2.2
4450	2.6
4500	2.4
4550	1.7
4600	1.4
4650	1.6
4700	2.1
4750	2.0
4800	1.7
4850	1.6

4900	1.8
4950	1.9
5000	1.7

ANT6

Frequency	Gain
3300	2.0
3350	2.6
3400	2.3
3450	2.2
3500	1.9
3550	2.2
3600	2.1
3650	1.8
3700	2.1
3750	2.5
3800	2.6
3850	2.5
3900	2.8
3950	2.7
4000	2.6
4050	2.1
4100	2.8
4150	2.4
4200	2.6
4250	2.7
4300	2.5
4350	2.6
4400	2.6
4450	2.5
4500	2.4
4550	2.2
4600	2.1
4650	2.1
4700	2.6
4750	2.2
4800	1.6
4850	2.2
4900	2.1
4950	2.7
5000	2.3

W0

Frequency	Gain
2400	1.6
2410	1.6
2420	1.3
2430	1.3
2440	1.6
2450	1.5
2460	1.6
2470	1.6
2480	1.1
2490	1.3
2500	1.5
5150	1.3
5200	1.3
5250	1.3
5300	1.4
5350	1.4
5400	1.4
5450	1.5
5500	1.5
5550	1.4
5600	1.5
5650	1.5
5700	1.2
5750	1.1
5800	0.7
5850	1.0

W1

Frequency	Gain
2400	1.4
2410	1.4
2420	1.3
2430	1.4
2440	1.4
2450	1.4
2460	1.3
2470	1.4
2480	0.8
2490	1.0

2500	1.0
5150	1.5
5200	1.5
5250	1.5
5300	1.5
5350	1.5
5400	1.4
5450	1.4
5500	1.4
5550	1.3
5600	1.4
5650	1.3
5700	1.4
5750	1.3
5800	1.4
5850	1.3