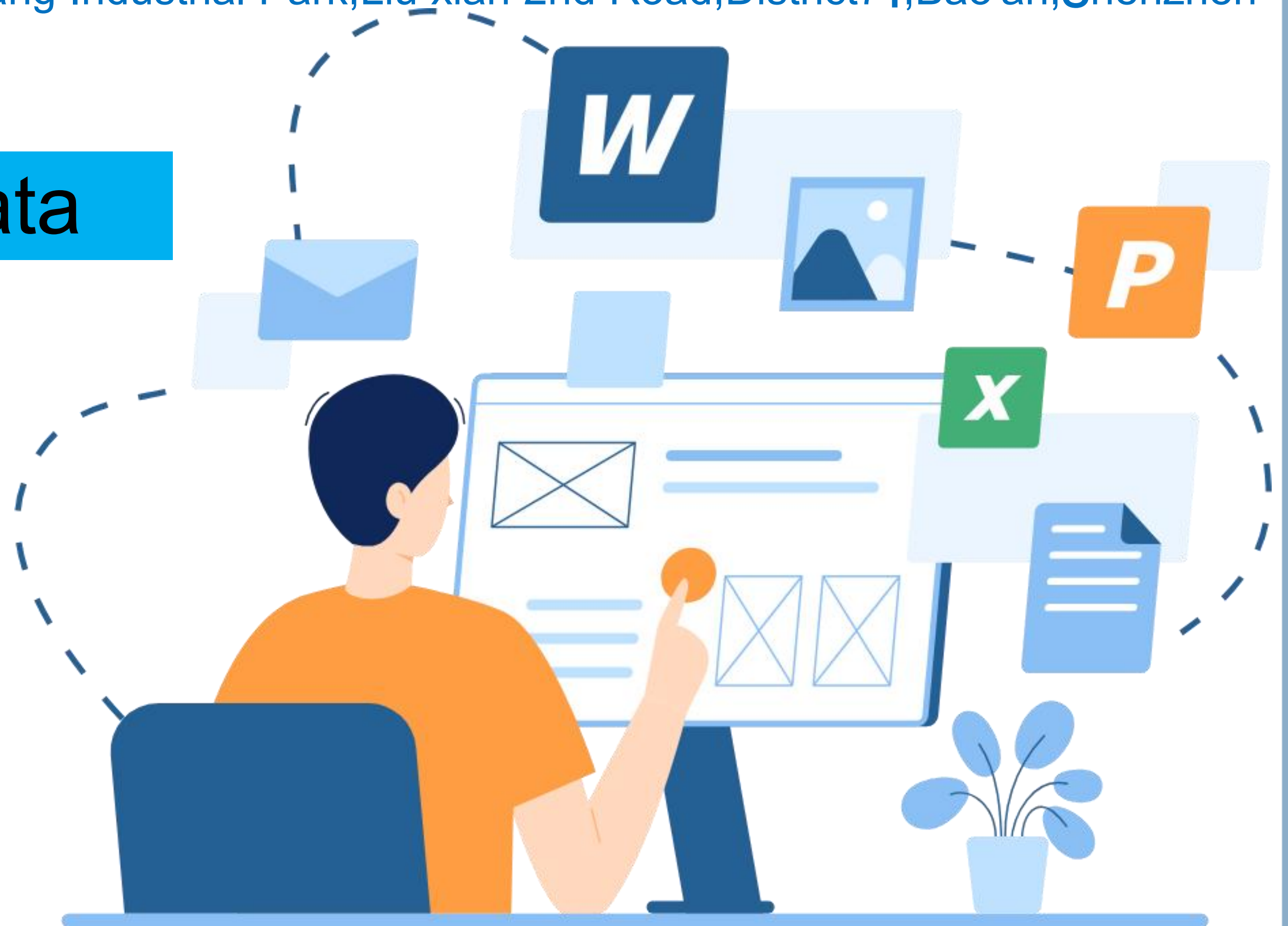


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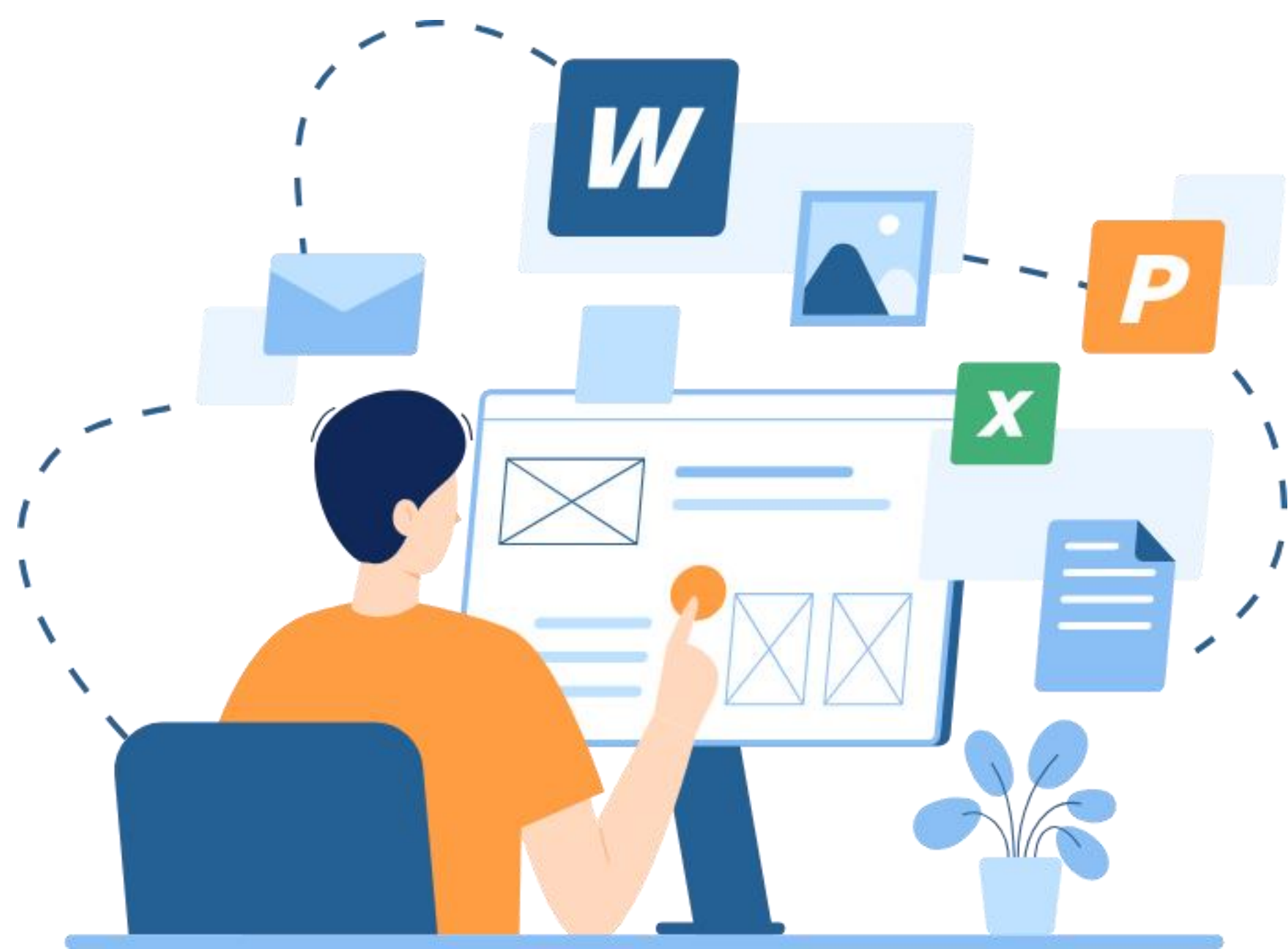
1818G Antenna Debug Data

- Principal: Yi Liang
- Phine:
- Date: 2024. 01. 12





Content

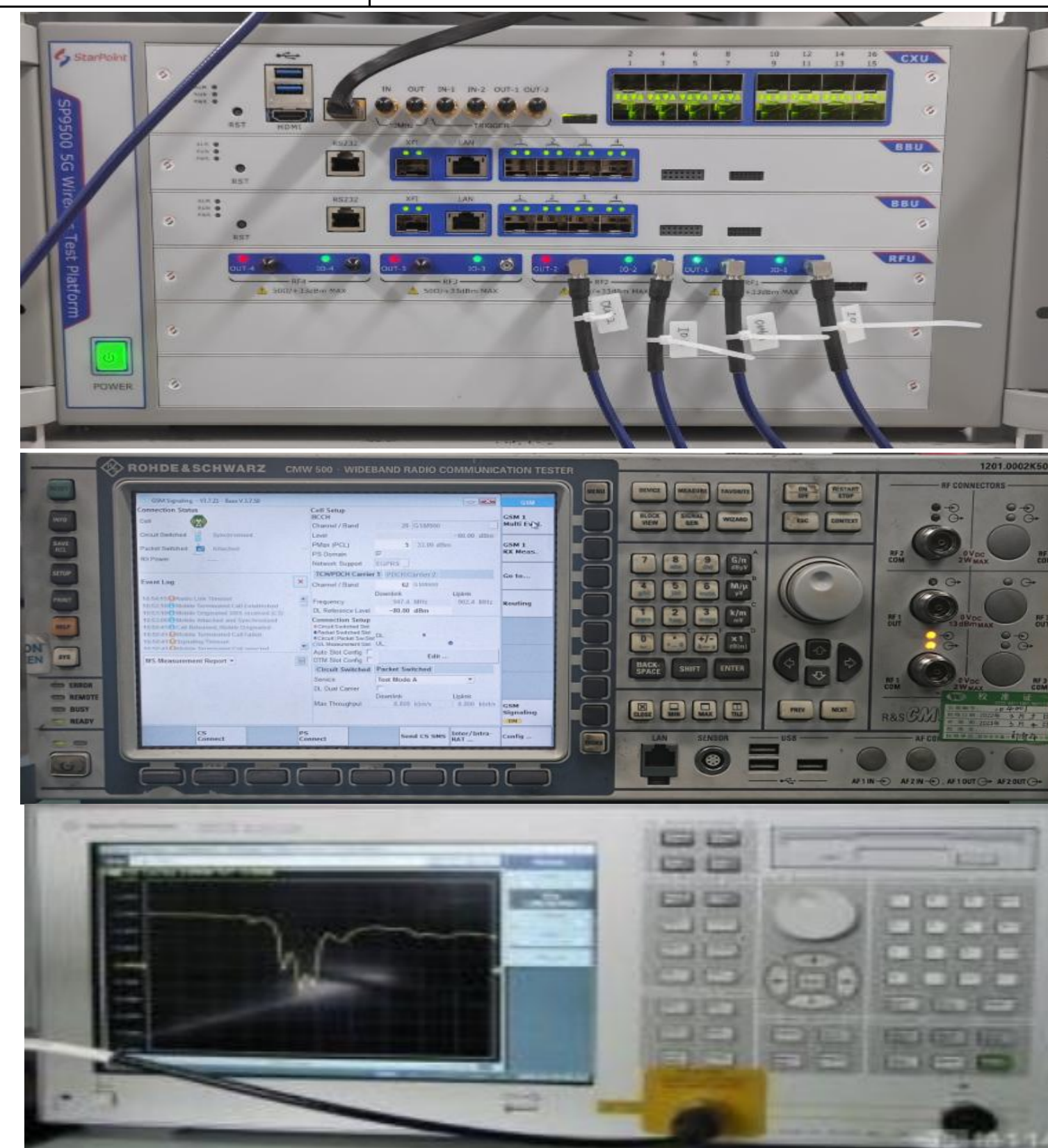
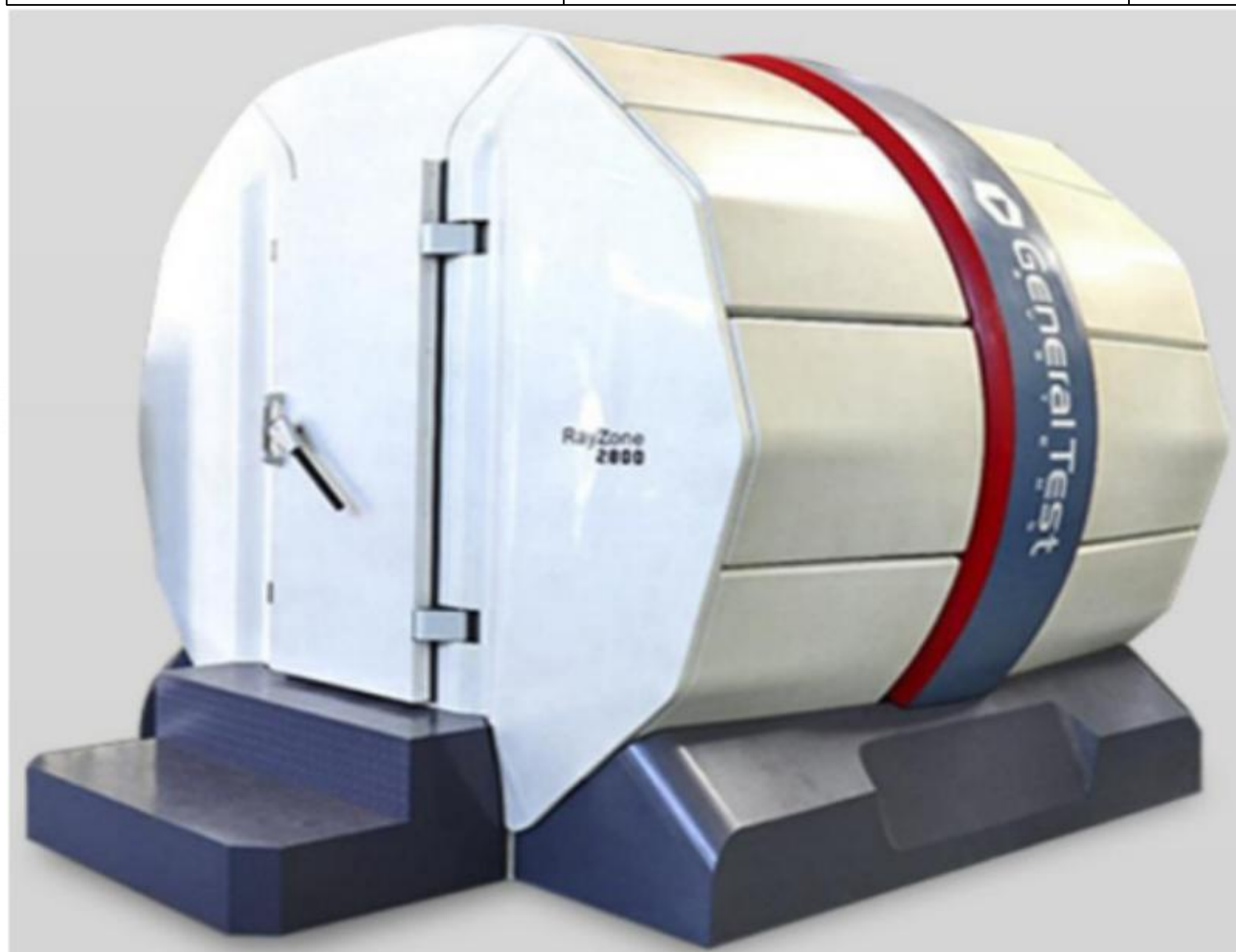


- 1 Test equipment
- 2 Project Description
- 3 Recording of debug version
- 4 Recording of matching
- 5 Antenna S_{11} impedance
- 6 OTA test results
- 7 NOTICE



Active Testing&Passive Testing— 5G anechoic chamber

◆ System Testing	◆ Testing Environment	◆ Active Testing	◆ Passive Testing
GTS2800	temperature: $22^{\circ}\text{C}\pm 3^{\circ}\text{C}$ humidity: $50\%\pm 15\%$	sustain 5G/4G/3G/2G sustain BT/WIFI/GPS	600MHZ——6G



Recording of dubug version

1818G



Version	Date	Content overview
V1	2024/01/03	Initial debugging
V2	2024/01/08	Optimize the antenna
V3	2024/01/09	Sample validation



Passive parameters (Gain/Efficiency) :

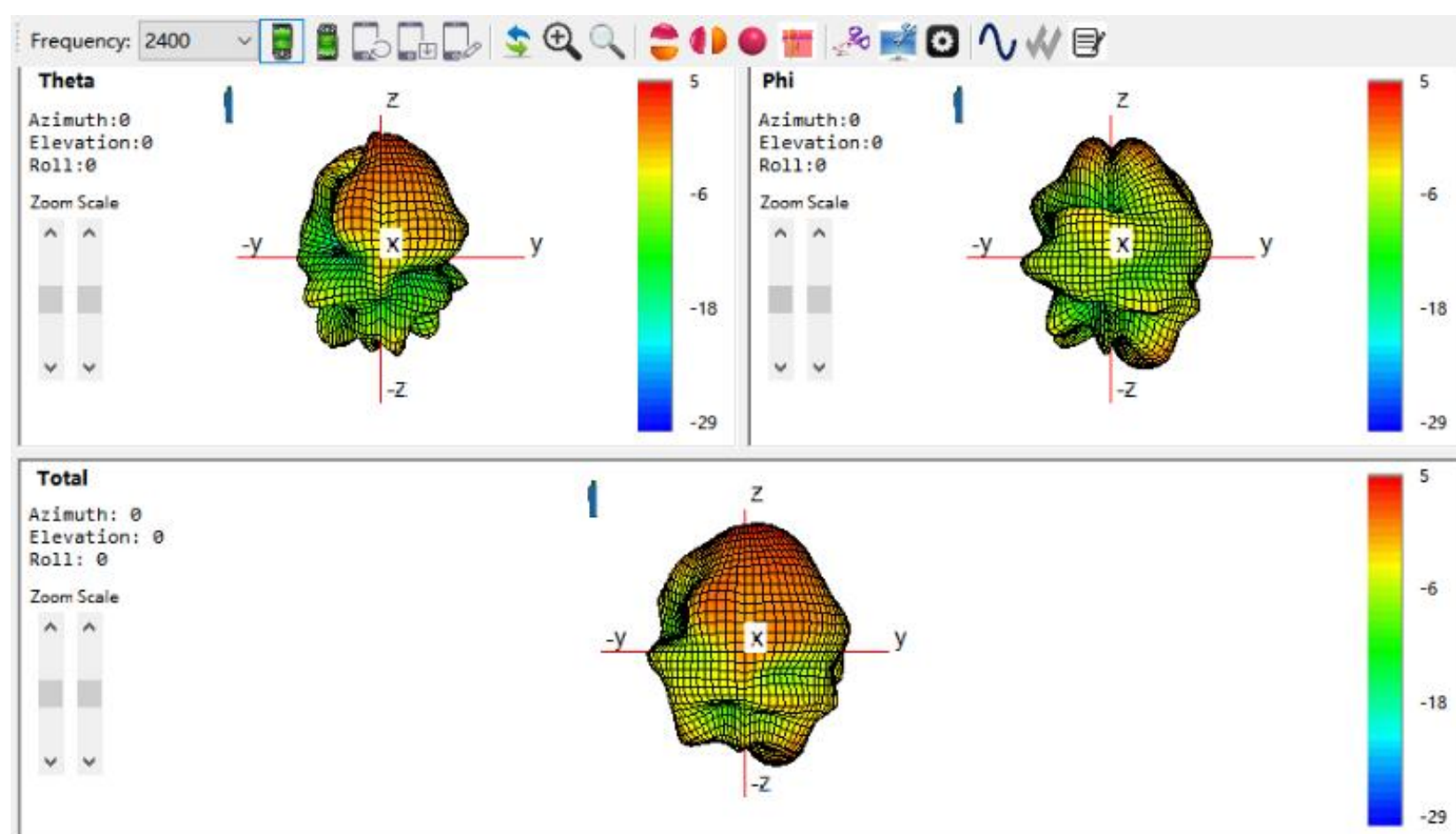
BT antenna efficiency and gain

Fre	Effi (%)	Gain. dB
2400	26.45	1.67
2410	26.45	1.7
2420	25.03	1.62
2430	27.73	1.66
2440	28.53	2.21
2450	30.95	2.35
2460	31.18	2.53
2470	33.89	2.84
2480	36.35	2.31
2490	37.63	2.33
2500	38.32	2.26

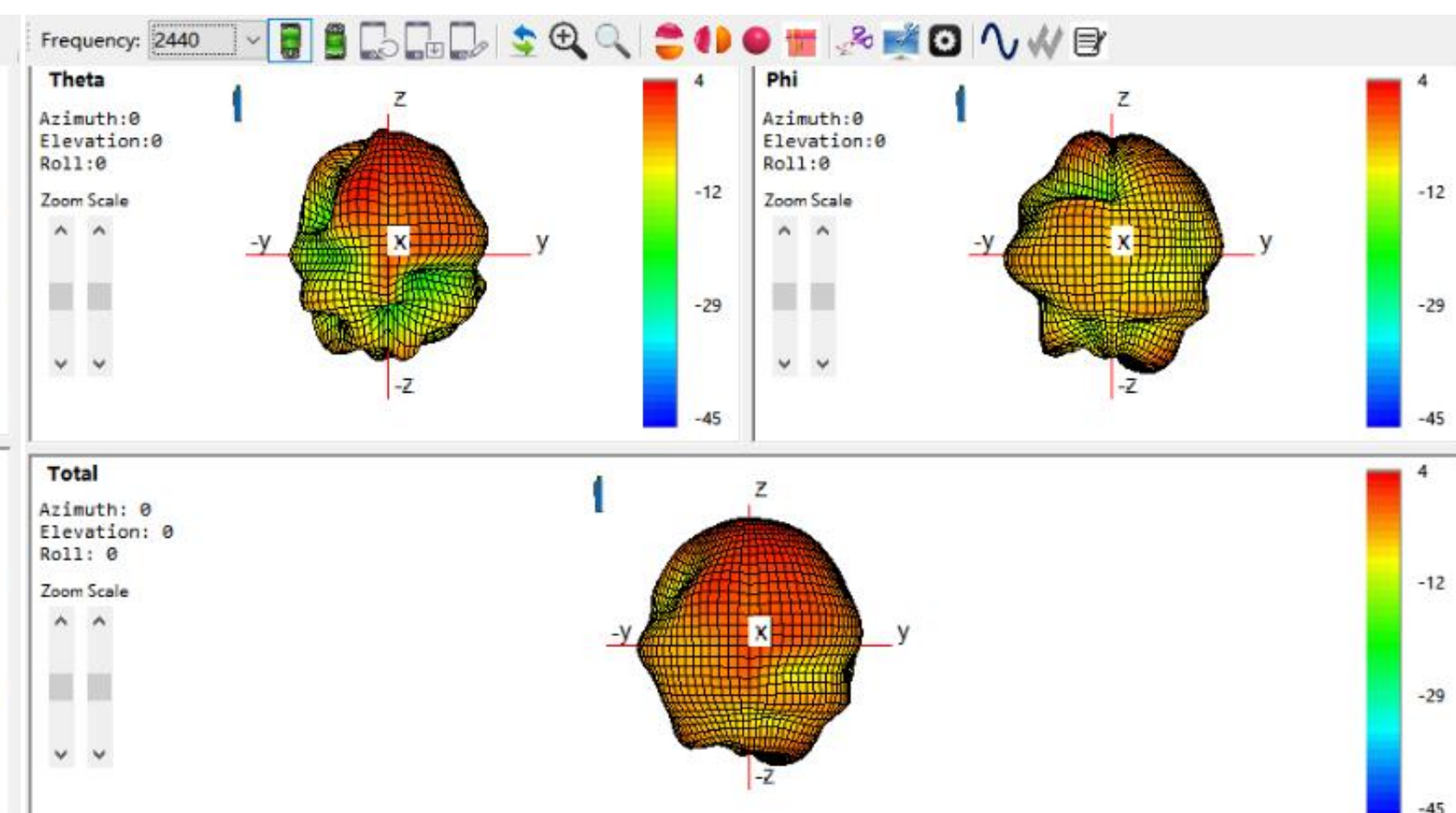
FM search situation: In the open space outside, the number of search stations is 16, and the number of clear search stations is 7。



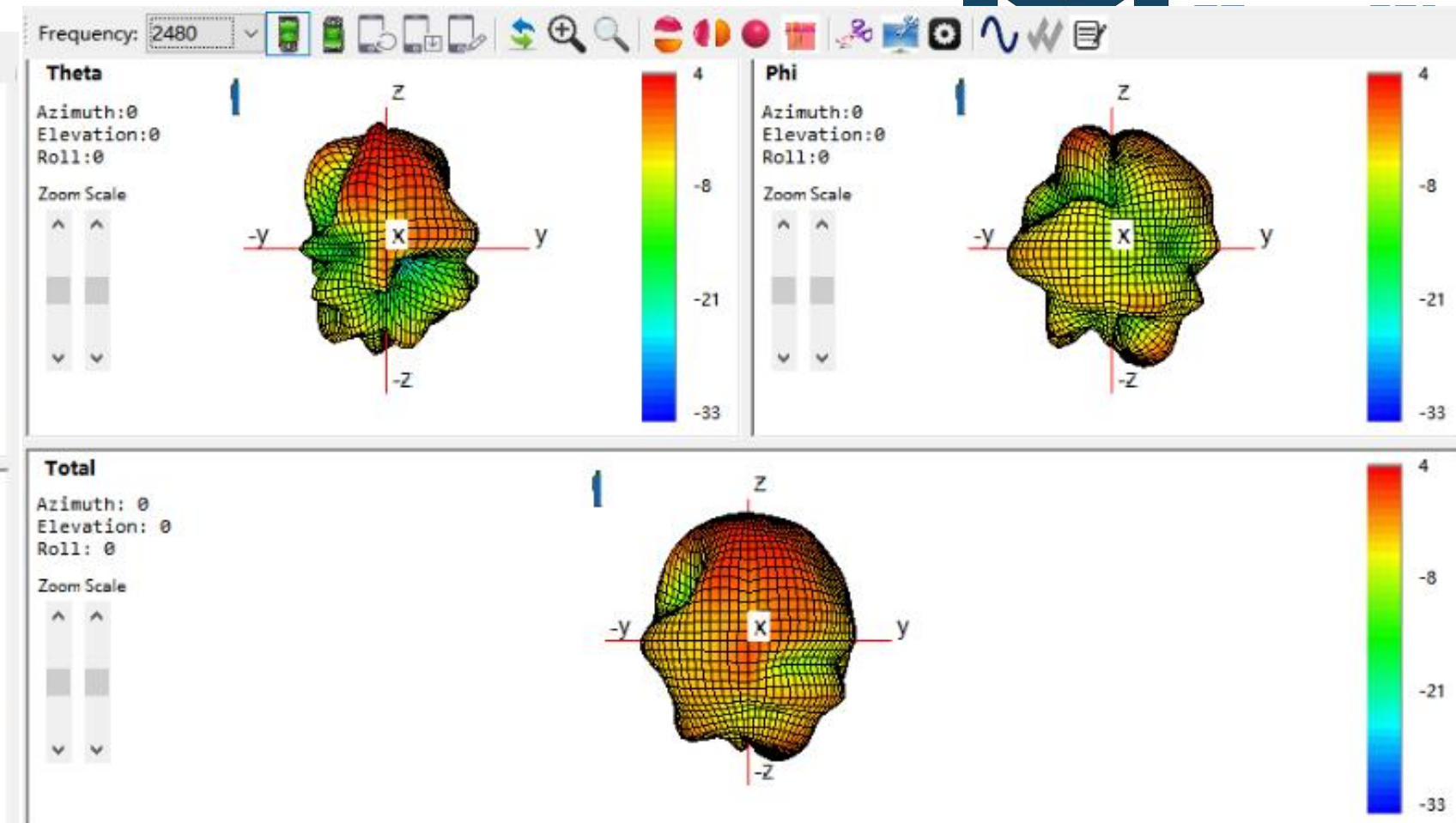
BT test results:



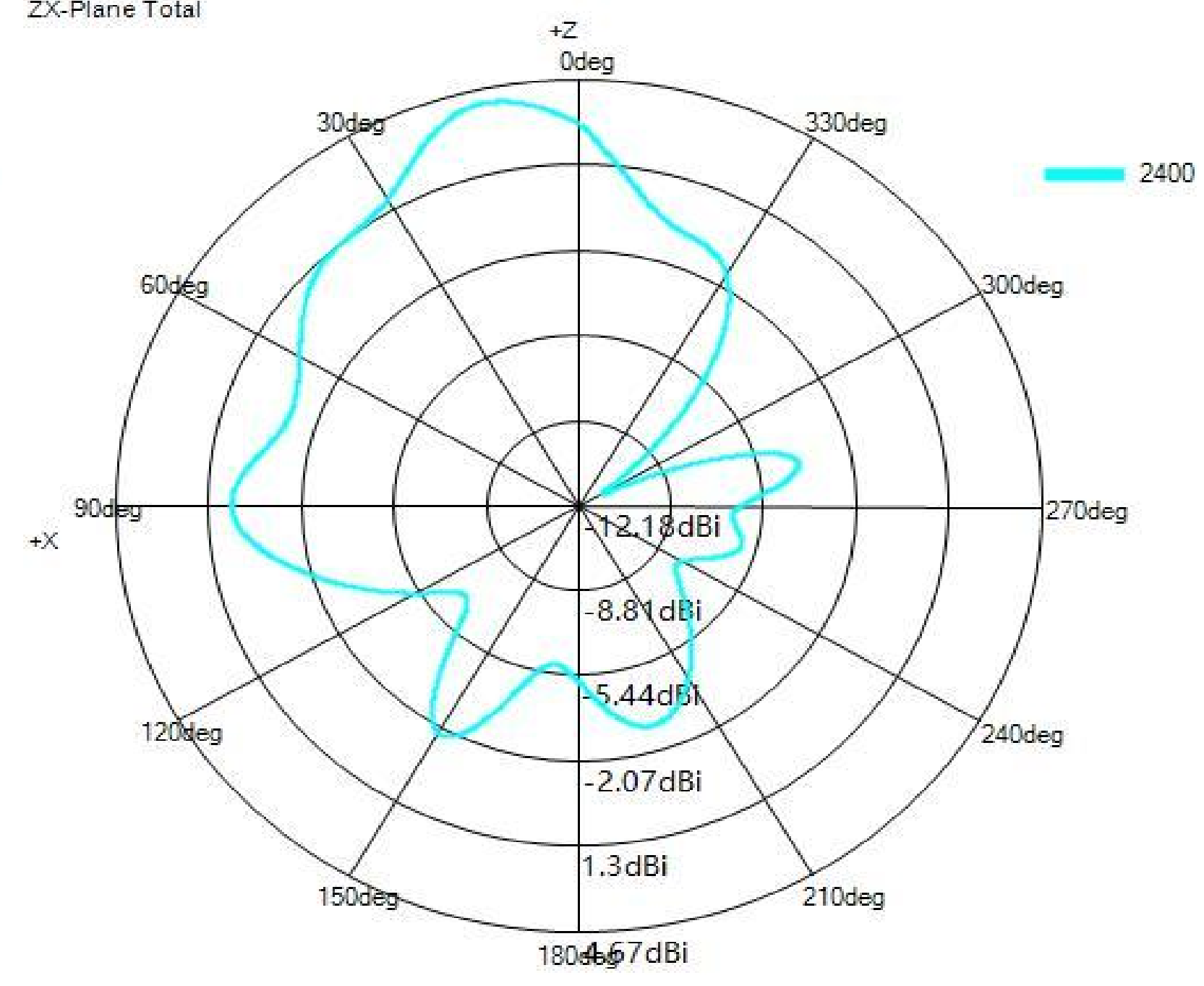
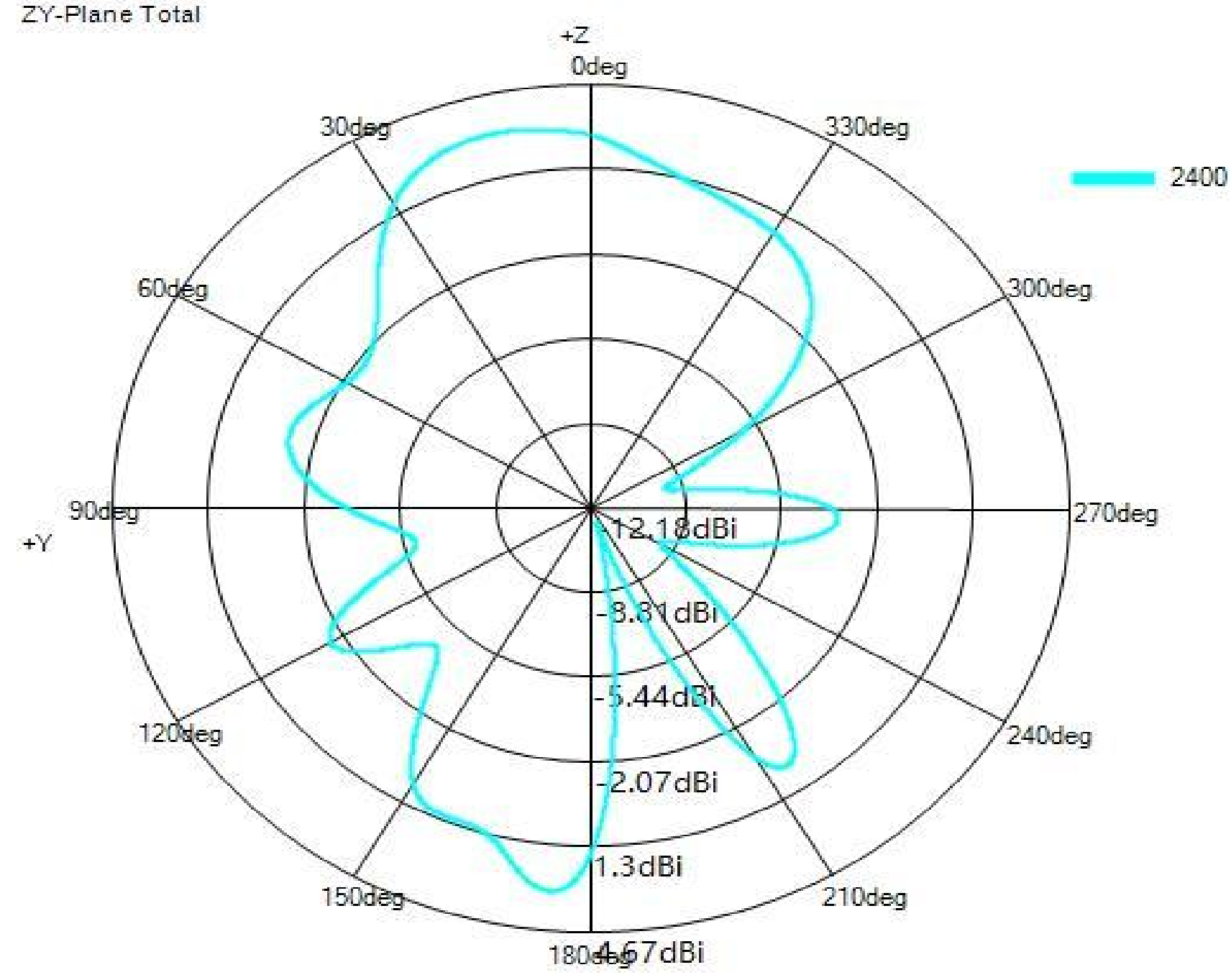
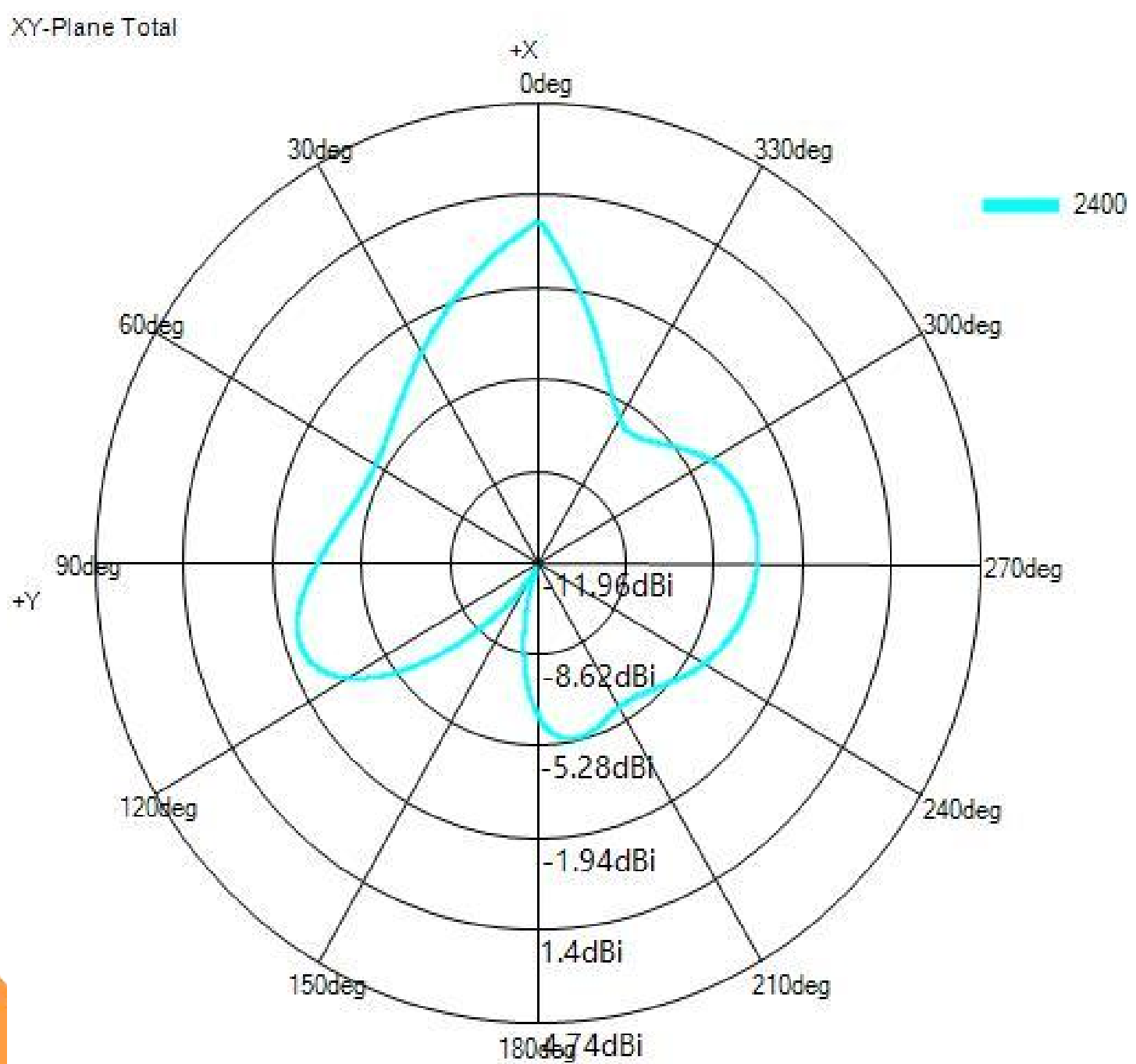
ZY-Plane Total



ZY-Plane Total



ZX-Plane Total



Environment treatment:



**This two conductive cloths
come up**



2D Antenna Engineer drawin:

1	2	3	4	5	6
Environmental requirements : ROHS <input checked="" type="checkbox"/> REACH <input type="checkbox"/> No					
A					A
B					B
C					C
D					D

2.00±1.0

*25±2


Ø0.8mm Electronic wire (BLACK)

Note:

1. Mark “*” to indicate key inspection dimensions;

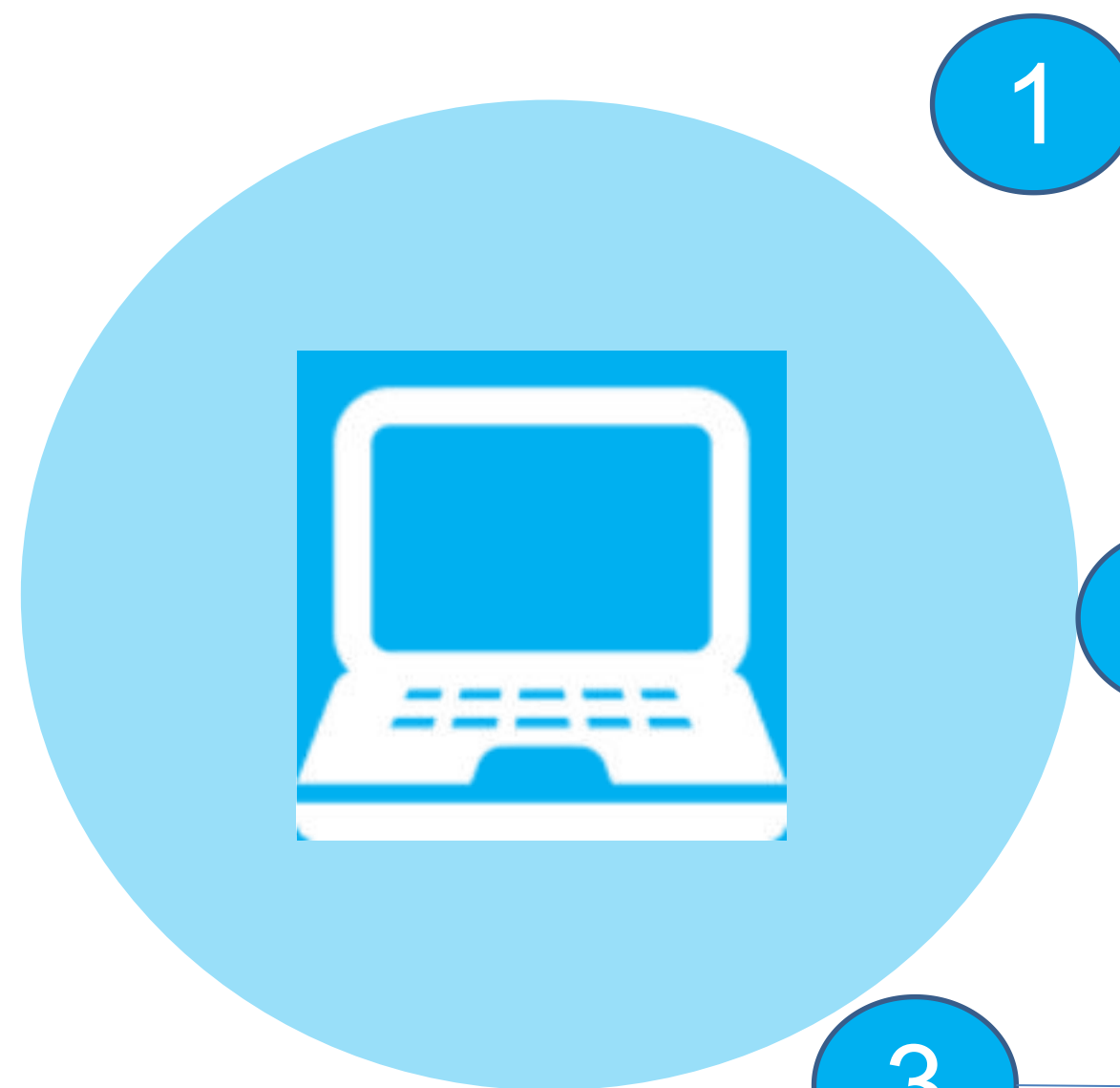
2. The packaging is made of PE bags

3. This product is fully environmentally friendly, and all processes adopt environmentally friendly processes;

Shenzhen HamyWe Technology Co., Ltd									
unmarked tolerances standard				Type of machine	X2456-T1818G	Product name	BT	Date	2024.01.17
XXX	±2	○	0.1	Material number	X1216-2163-BT			M D	
XX	±1	◎	Ø 0.05	material	/			R F	
X	±0.5	⊥	0.05	pages in total		page 1		Auditor	
X	±0.2	▱	0.05	First perspective				unit	mm
.XX	±0.10	Angle	±3°					scale	Fit
mark		change date	Changed by	Content-Change	remarks				
1	2	3	4	5	6				



Notice



1

Please pay attention to whether the matching in the report has changed and whether the environmental treatment is feasible; This will directly affect the antenna performance, if you have any objections, please contact us in time;

2

If your machine has replacement materials, updated software, environmental processing changes, etc., you must provide the latest status of the machine to our company for verification in time;

3

If your company's machine needs to be sent to a third party for verification or inspection, it is best to provide the test machine to our company to test and verify OK before sending it for testing (because the consistency of the motherboard, environmental treatment, antenna assembly and so on will affect the antenna deviation).



THANKS FOR WATCHING

Phone: 0755-3688170

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Park, Liu xian 2nd Road, District 71, Bao'an, Shenzhen

