



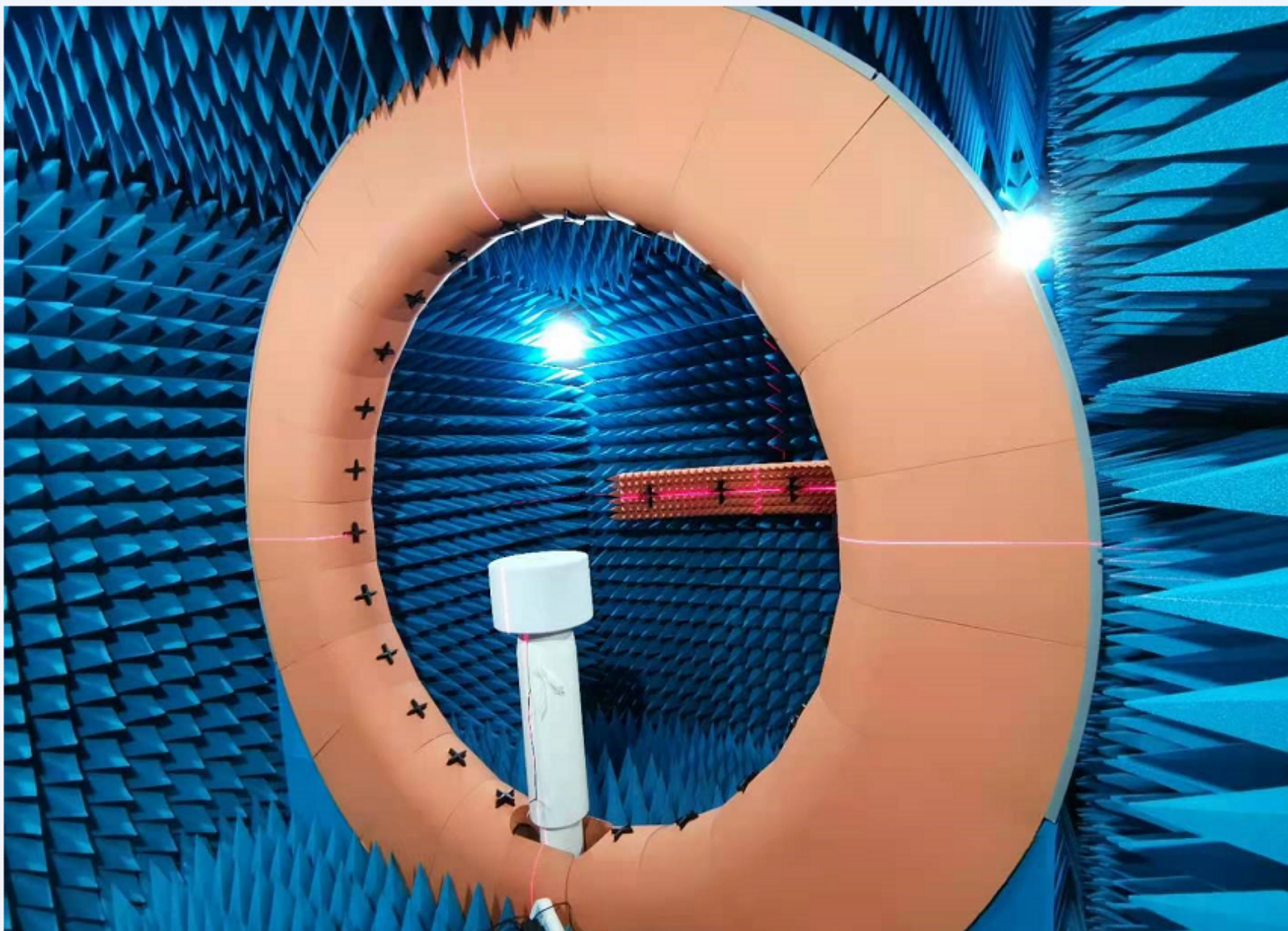
Shenzhen Anchuang Zhilian Electronics Co., Ltd

Antenna debugging report

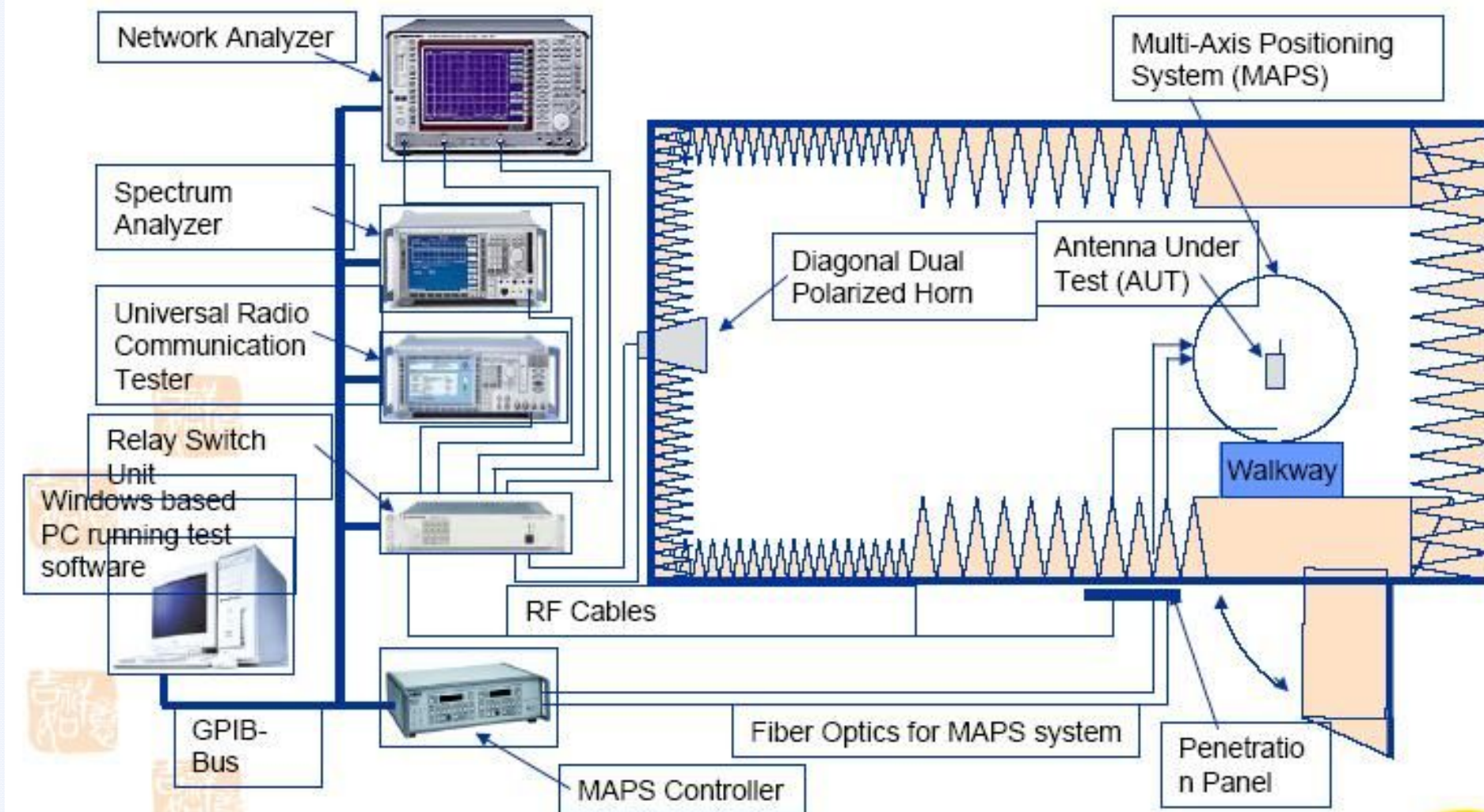
project information

custom:	Jarvis	Project - Motherboa rd	VC70	date	2025. 1. 9
Frequency band	2400-2500 5100-5800				
Antenna Structure	FPC black 0.81 second generation terminal 80MM black terminal down				
RF Engineeri ng	Yi Longhui				
Structura l engineeri ng	Hu ang				
Report version	V1. 0				

SATIMOdarkroom



test system

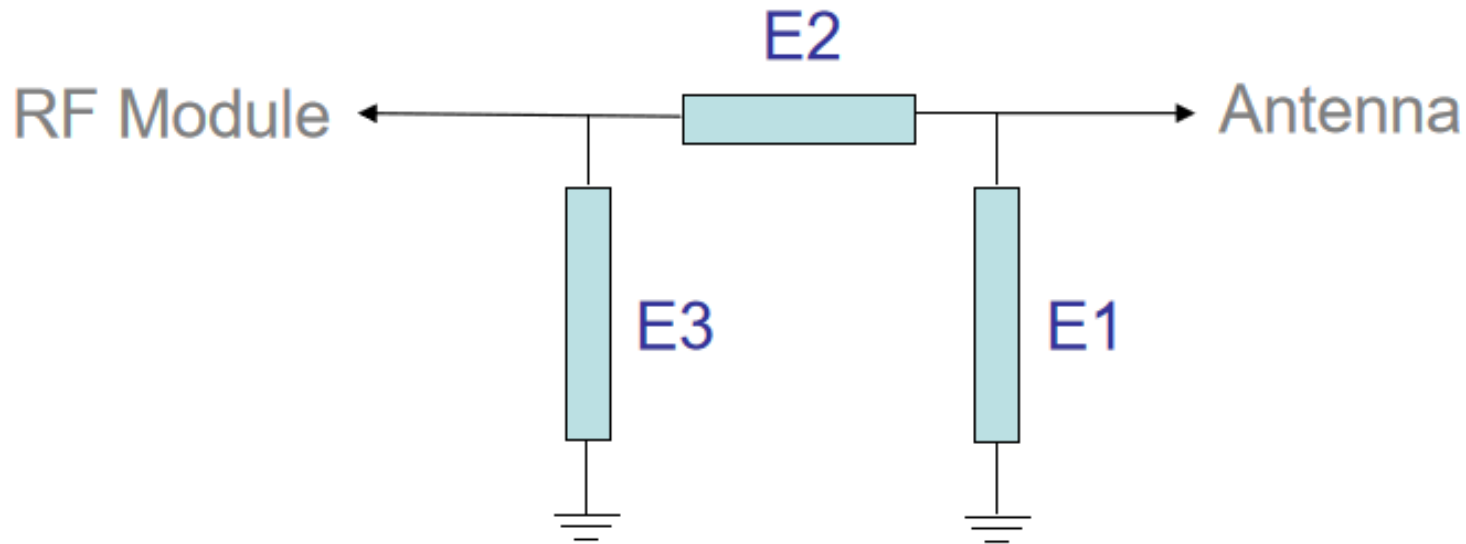


testing environment	
testing environment	XH-IOE MPS2440 Test System
ambient temperature	23°C
ambient humidity	52%
Ambient air pressure	101KPa

- 1、 product drawing
- 2、 matching circuit
- 3、 test data



matching circuit



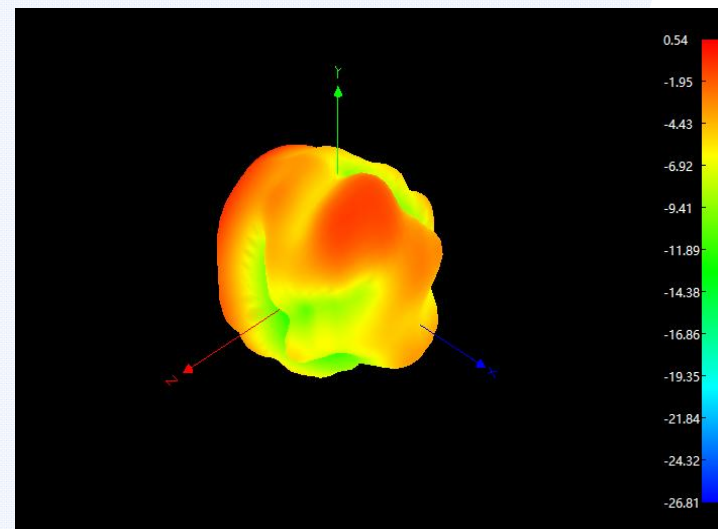
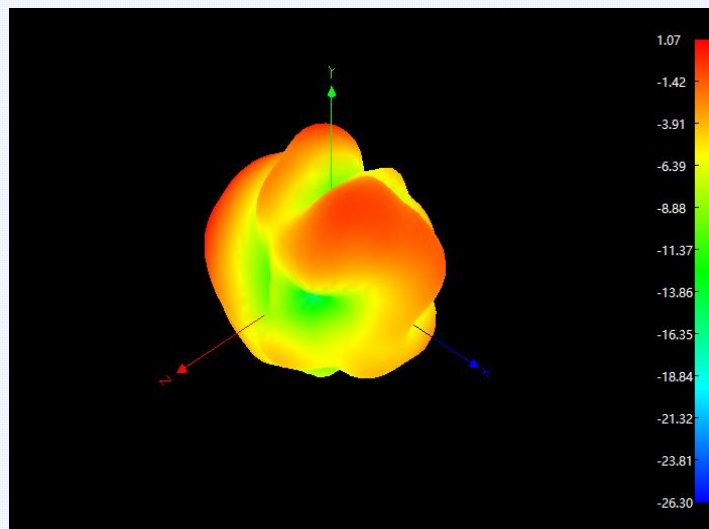
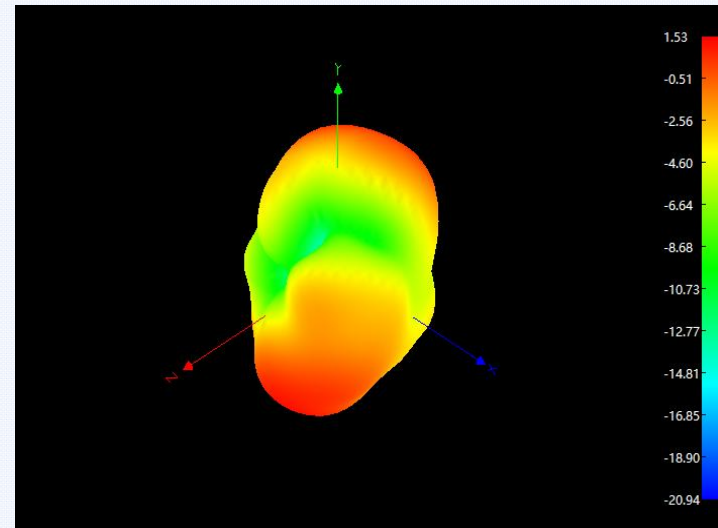
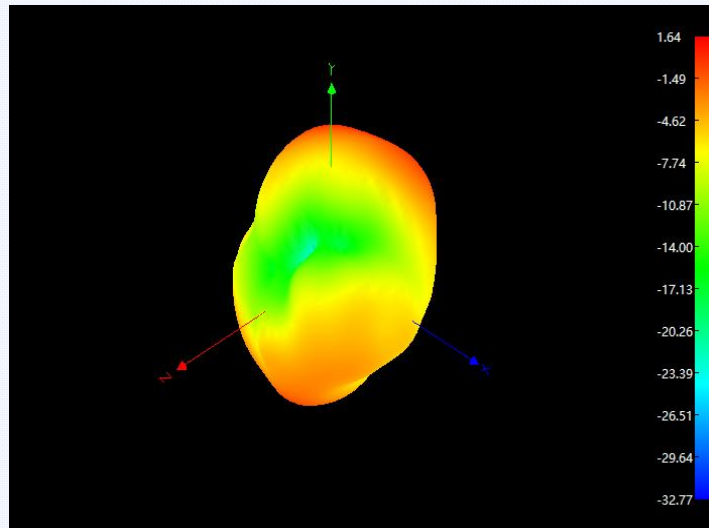
Element	Value
E1(0402)	
E2(0402)	
E3(0402)	
No changes made to the original match	

Passive test data

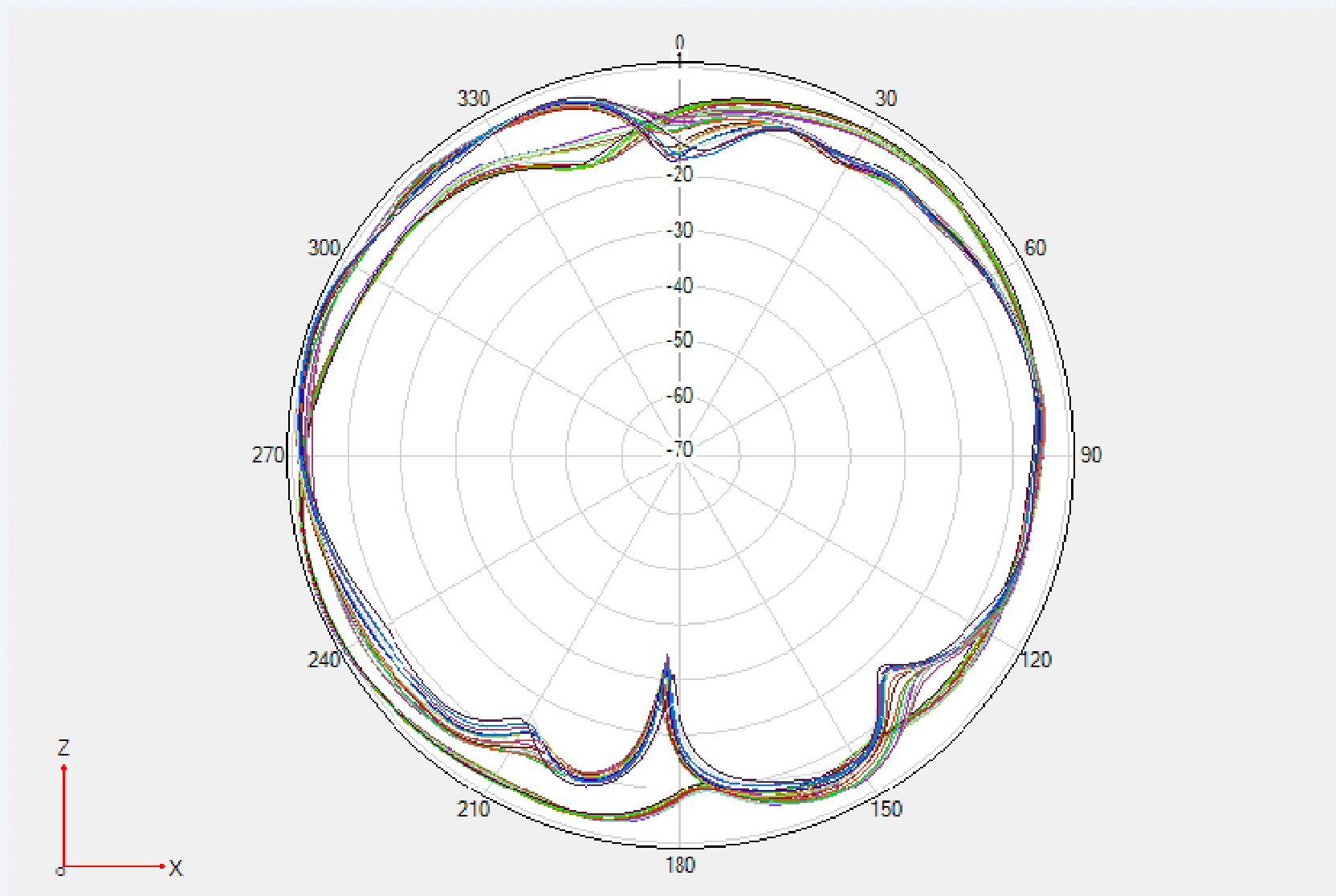
Frequency	Efficiency	Efficiency	Gain/ dBi
2400	-3.63	43.35	1.64
2410	-3.95	40.27	1.39
2420	-3.8	41.69	1.41
2430	-3.69	42.76	1.66
2440	-3.55	44.16	1.65
2450	-3.7	42.66	1.45
2460	-3.51	44.57	1.52
2470	-3.65	43.15	1.57
2480	-3.58	43.85	1.56
2490	-3.71	42.56	1.37
2500	-3.58	43.85	1.53

5100	-4.23	37.76	1.07
5150	-4.12	38.73	1.64
5200	-4.12	38.73	1.81
5250	-4.05	39.36	1.91
5300	-4.34	36.81	1.94
5350	-4.49	35.56	1.54
5400	-4.58	34.83	1.55
5450	-4.71	33.81	1.32
5500	-4.81	33.04	1.19
5550	-5.13	30.69	0.77
5600	-5.01	31.55	0.7
5650	-5.18	30.34	0.58
5700	-5.04	31.33	0.63
5750	-4.82	32.96	1.08
5800	-5.11	30.83	0.54

Directional diagram



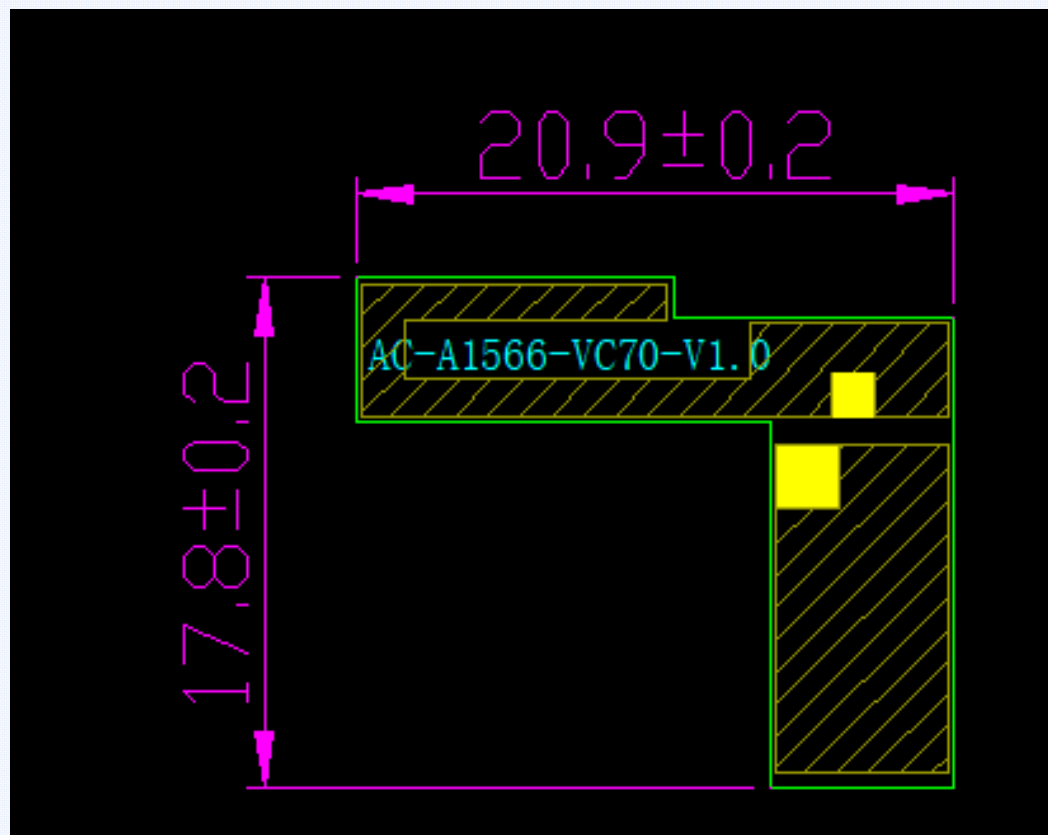
2D graph



Assembly drawing



Antenna 2D pattern





Thank You !

