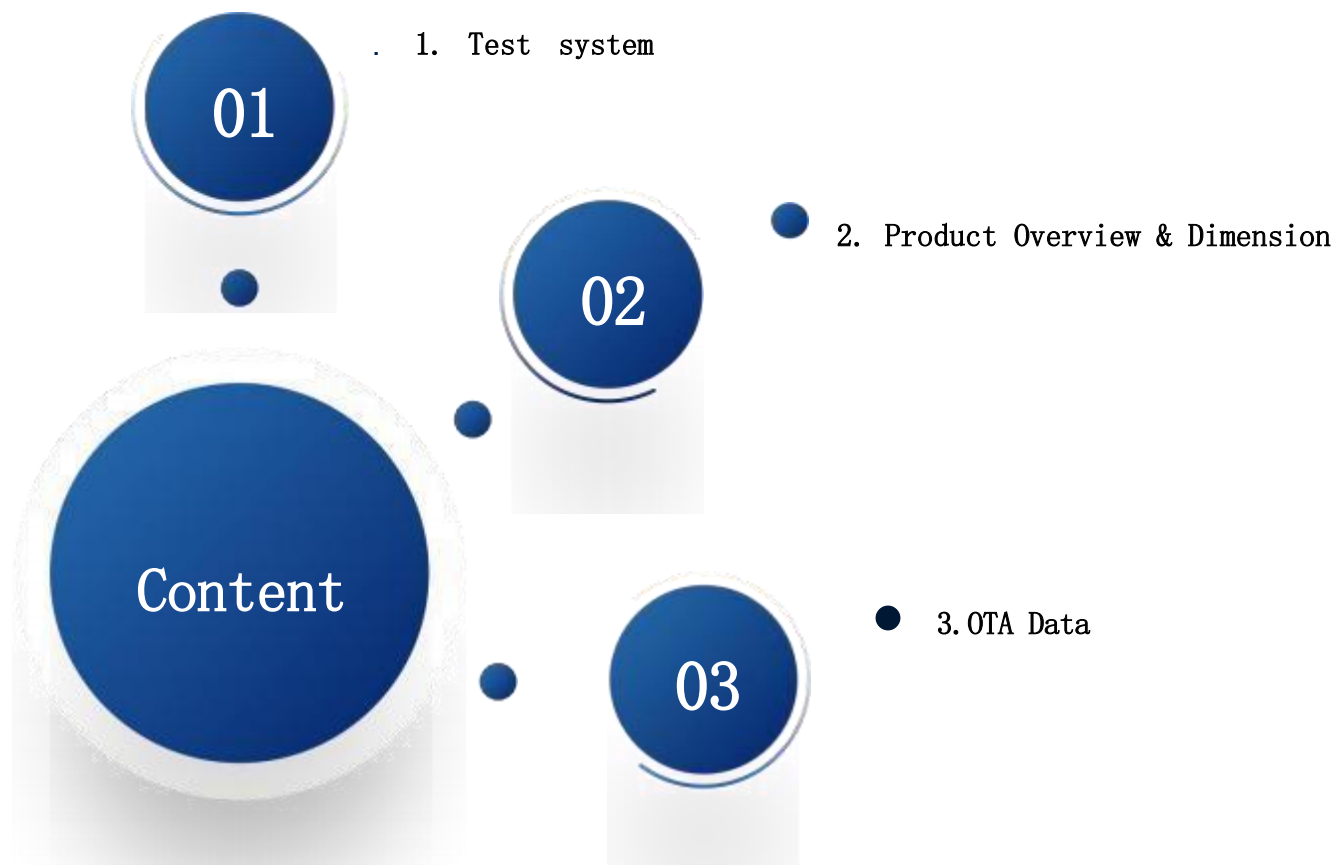




Customer	志泽
Project	BT303
Antenna Revision	A1
Prepared by	15993920520
Checked by	17279710721
Date	2024.11.05

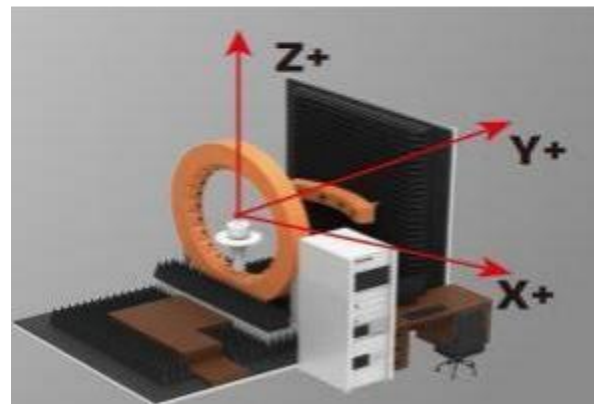
Purpose

This report is to measure the performance of antenna for **BT303** The antenna operating frequency at 2400-2500MHz All test data are showed as below.



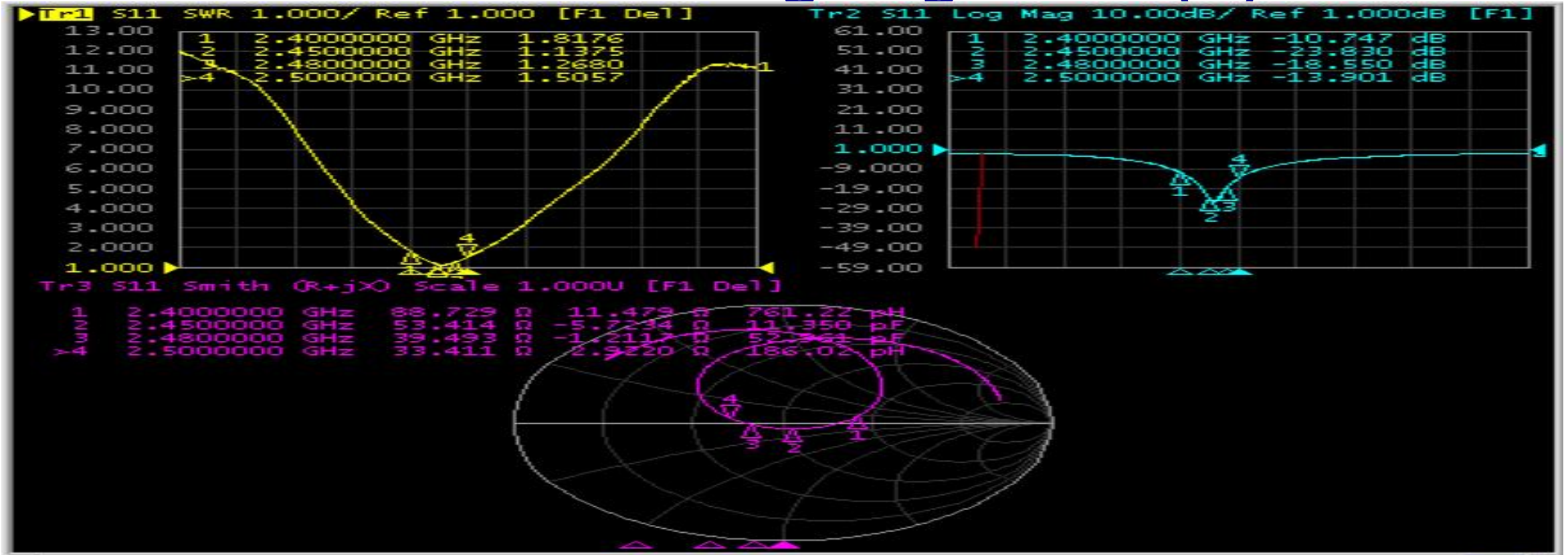
1.TestSystem

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5071B
OTA Test	TRP& TIS	Agilent 8960 & CMW500 STIMO
Gain & Efficiency	Gain & Efficiency	SATIMO Agilent 5071C





2.1 Test Result VSWR&Log Mag&Smith(Ω)



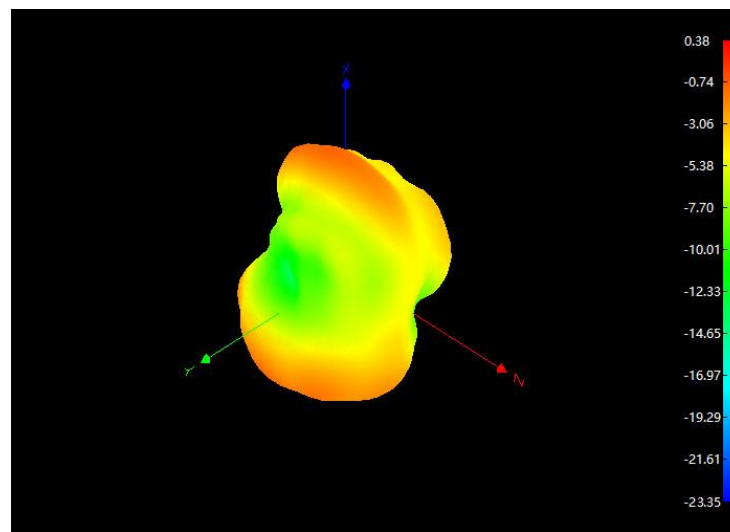
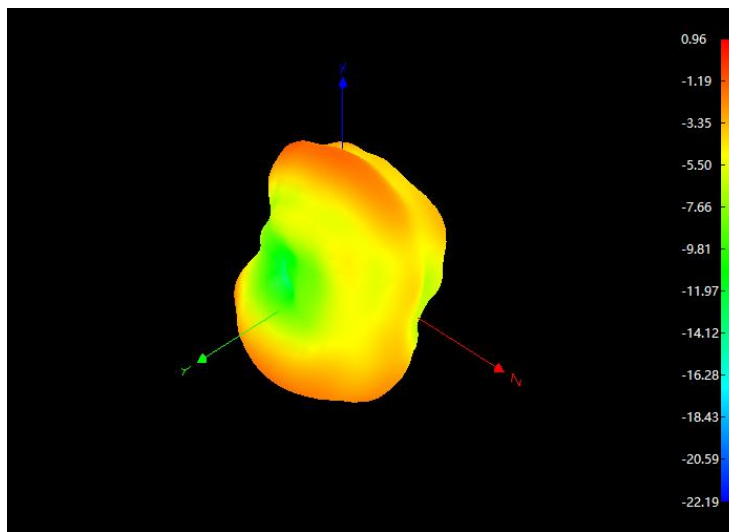
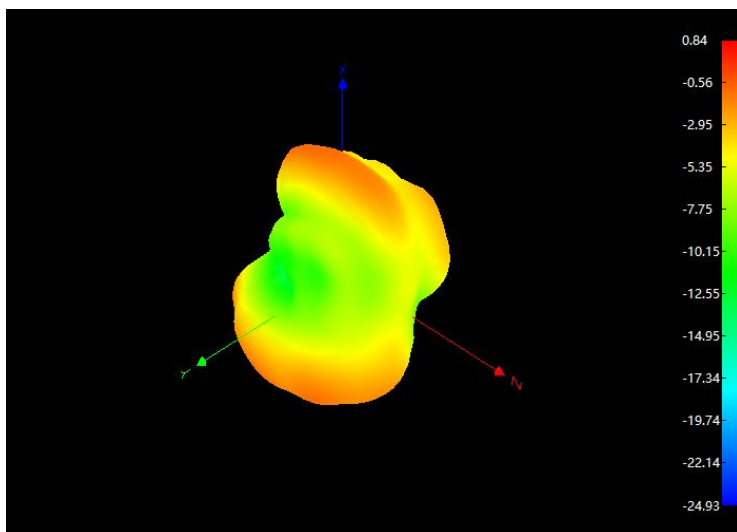
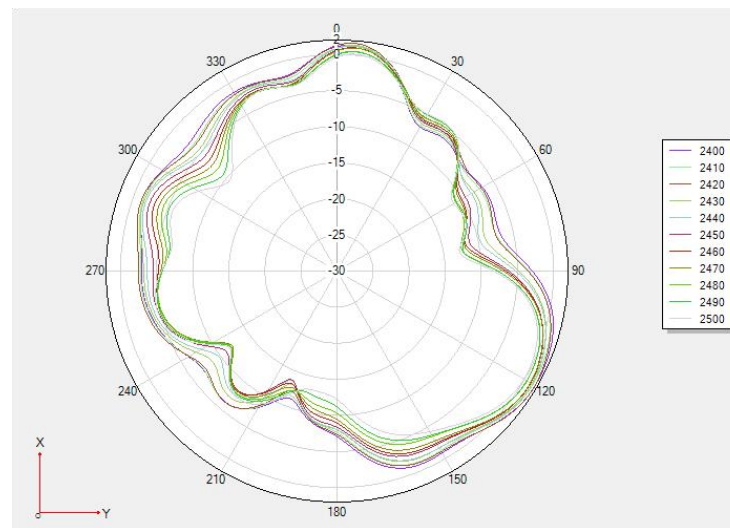
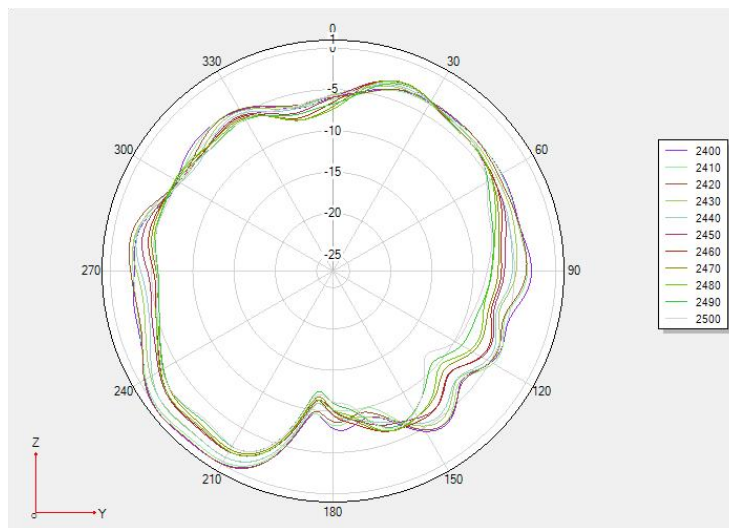
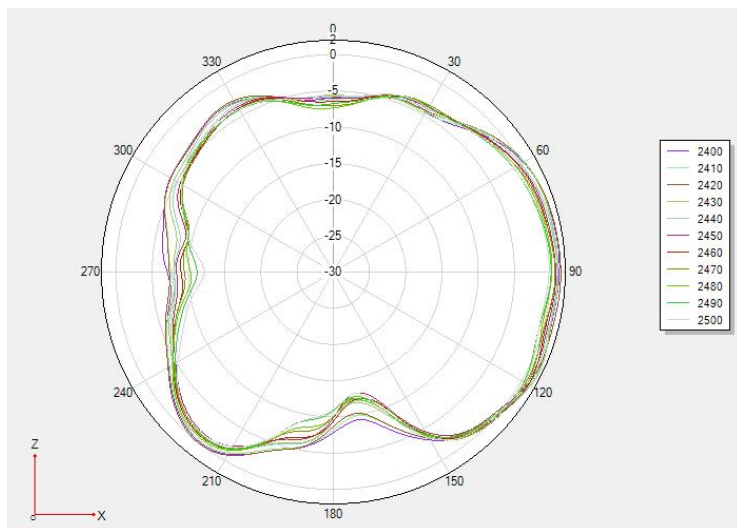
Frequency (MHz)	2400	2450	2480	2500
Log Mag	-10.74	-23.83	-18.55	-13.90
Smith(Ω)	88.72	53.41	39.49	33.41
VSWR	1.81	1.14	1.27	1.51

2.2 Test Result

Frequency (MHz)	Efficiency (%)	Max GAIN (dBi)
2400	40.75	0.84
2410	43.94	0.52
2420	44.61	0.64
2430	45.83	0.25
2440	46.95	0.87
2450	47.66	0.76
2460	46.09	0.96
2470	45.98	0.52
2480	44.65	0.43
2490	43.36	0.71
2500	41.99	0.38

2.3 Test Result

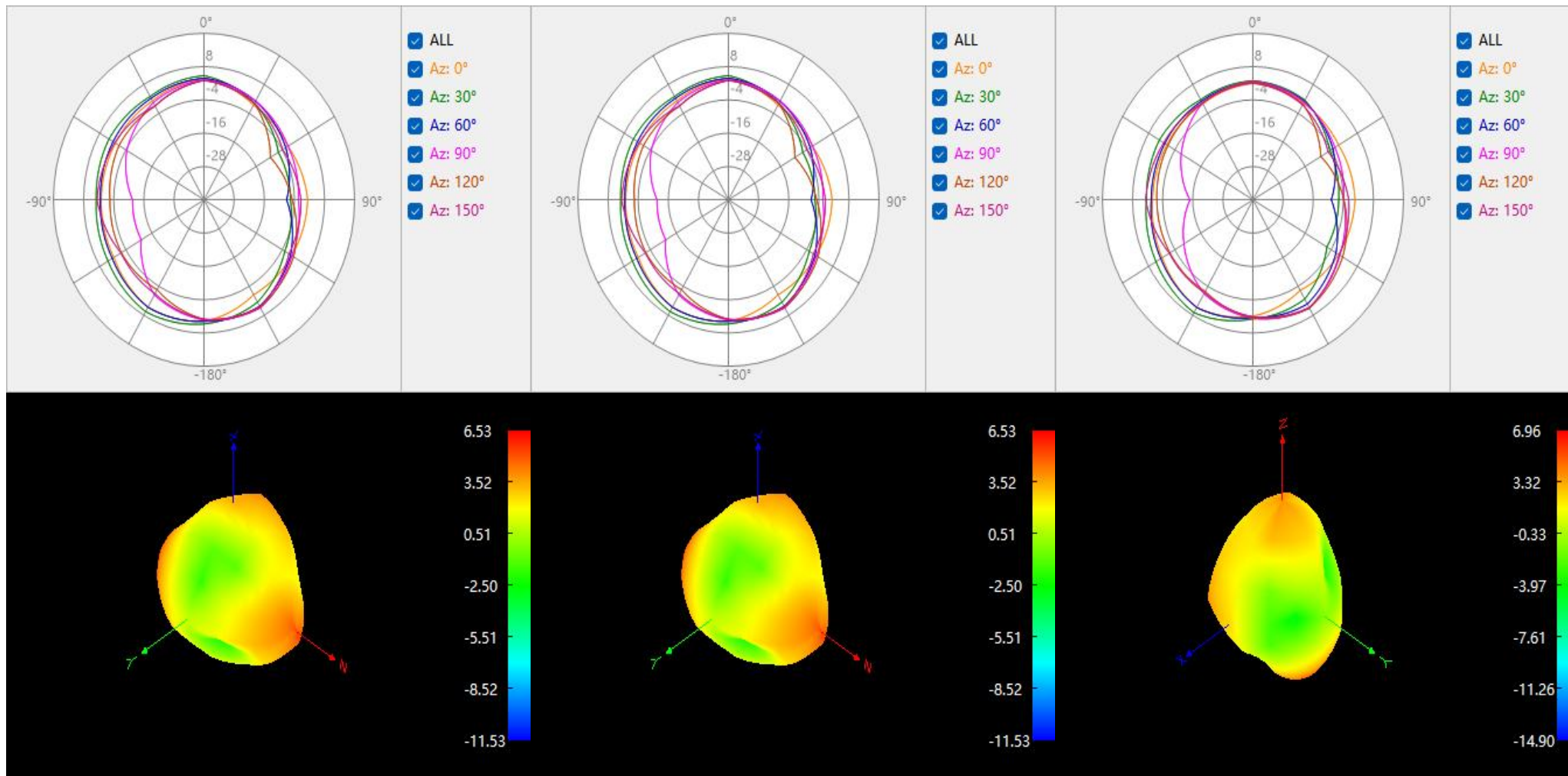
2.3 2D Pattern——BTANT



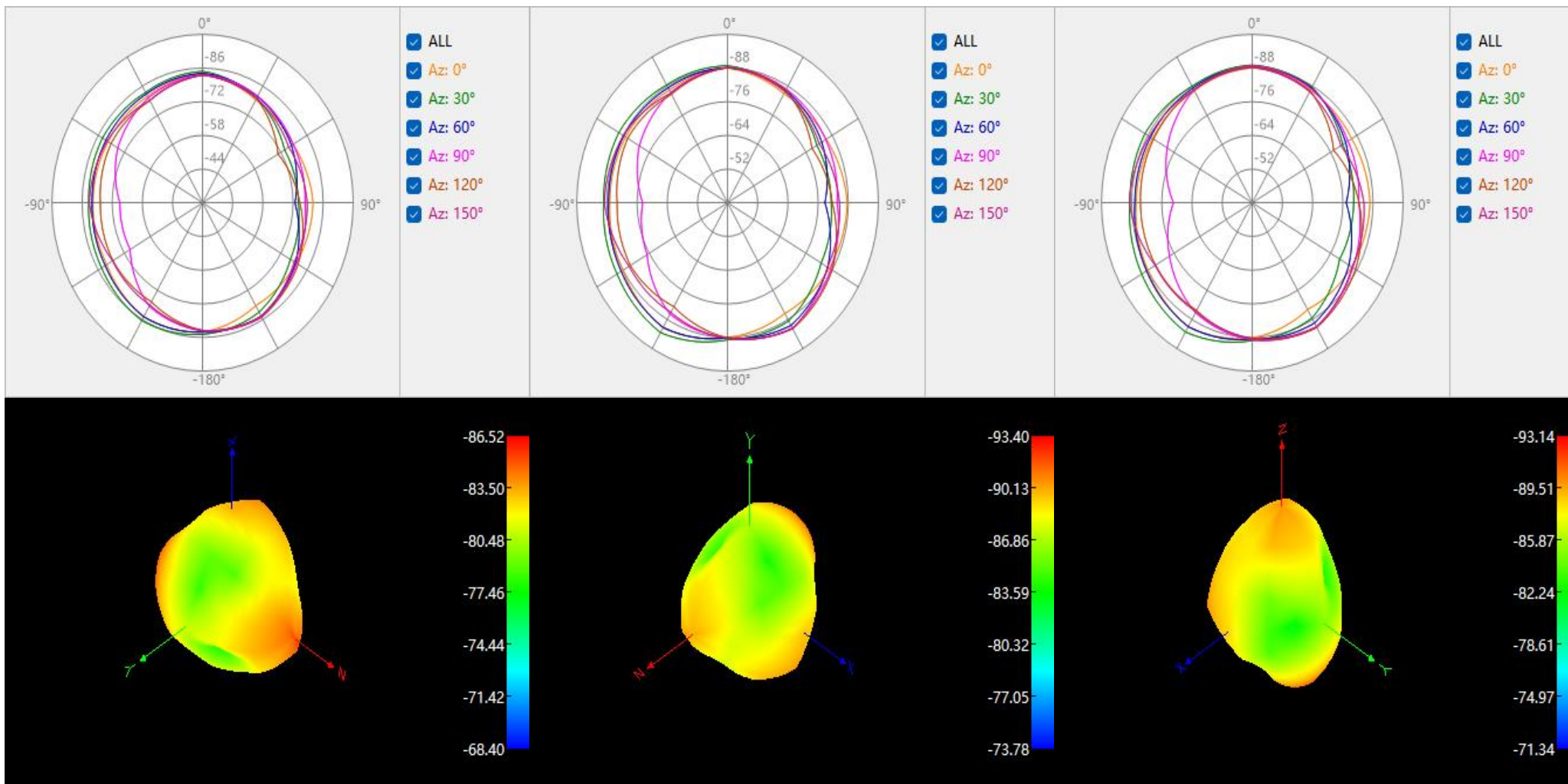
3.OTA Data

Test Equipment:	R&S CMW500		
Test Condition:	3D chamber		
Band	Channel	TRP(dBm)	TIS(dBm)
BT	0	1.26	-86.27
	39	2.41	-87.61
	78	1.03	-87.21

3.1 Test Result-TRP

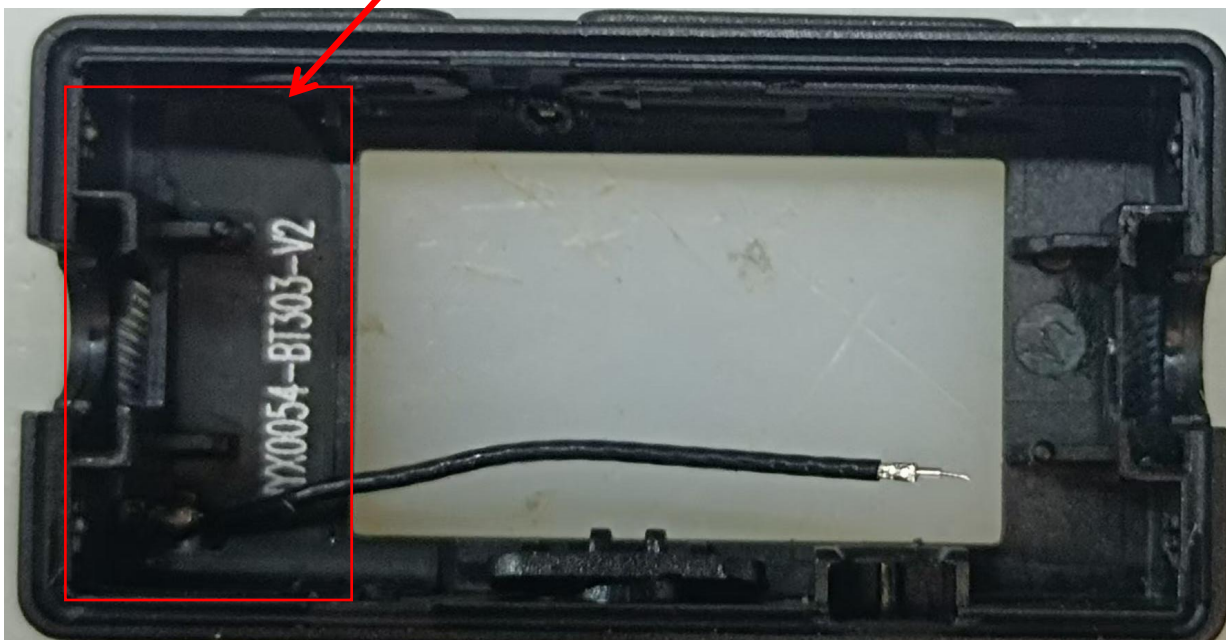


3.1 Test Result-TIS

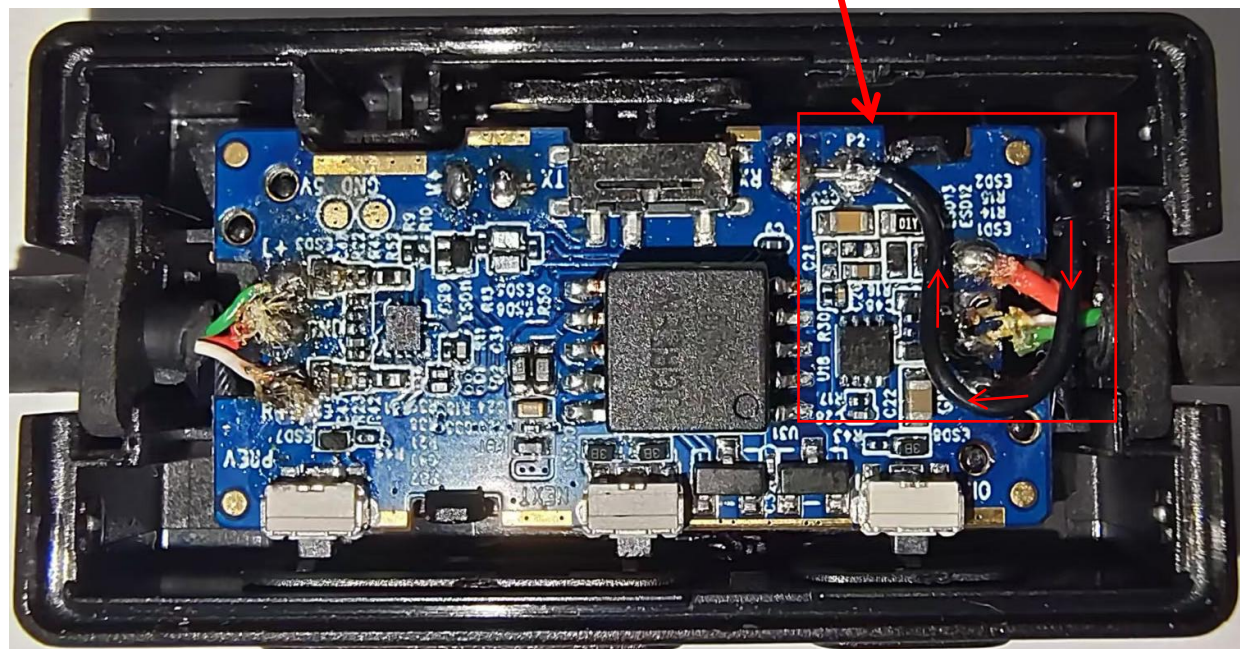


装配说明

天线位置



同轴线按图片折弯焊接



WORK REPORT

谢谢观看