R1256A Antenna Test Report

Customer	瑞禾
Project	R1256A
Antenna Revision	A1
Product Description	FPC
Product No	
DATE	2022.04.22

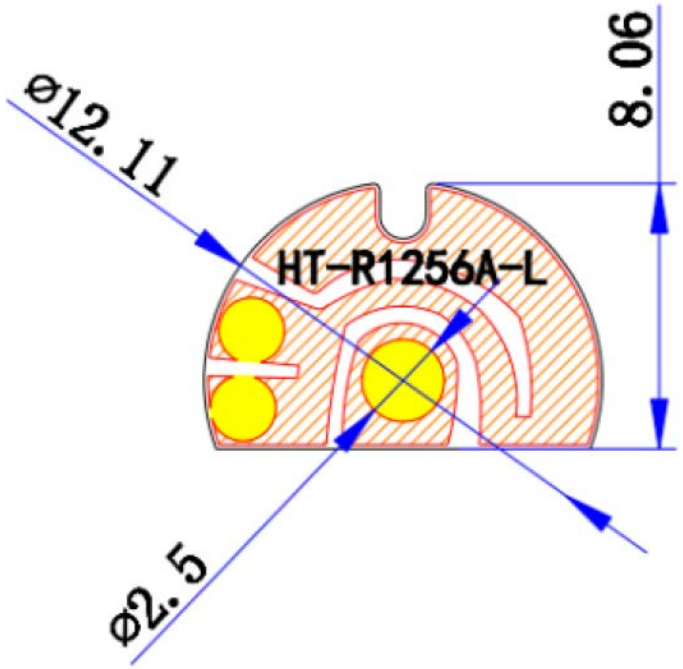
Product Overview & Dimension

Front

Purpose

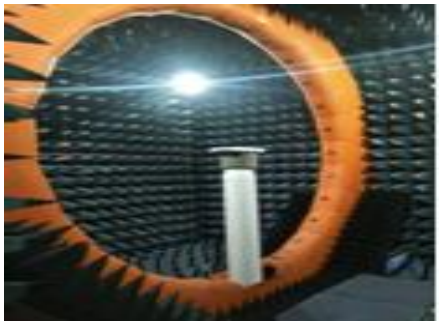
This report is to measure the performance of BT antenna forR1256A.The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

Content

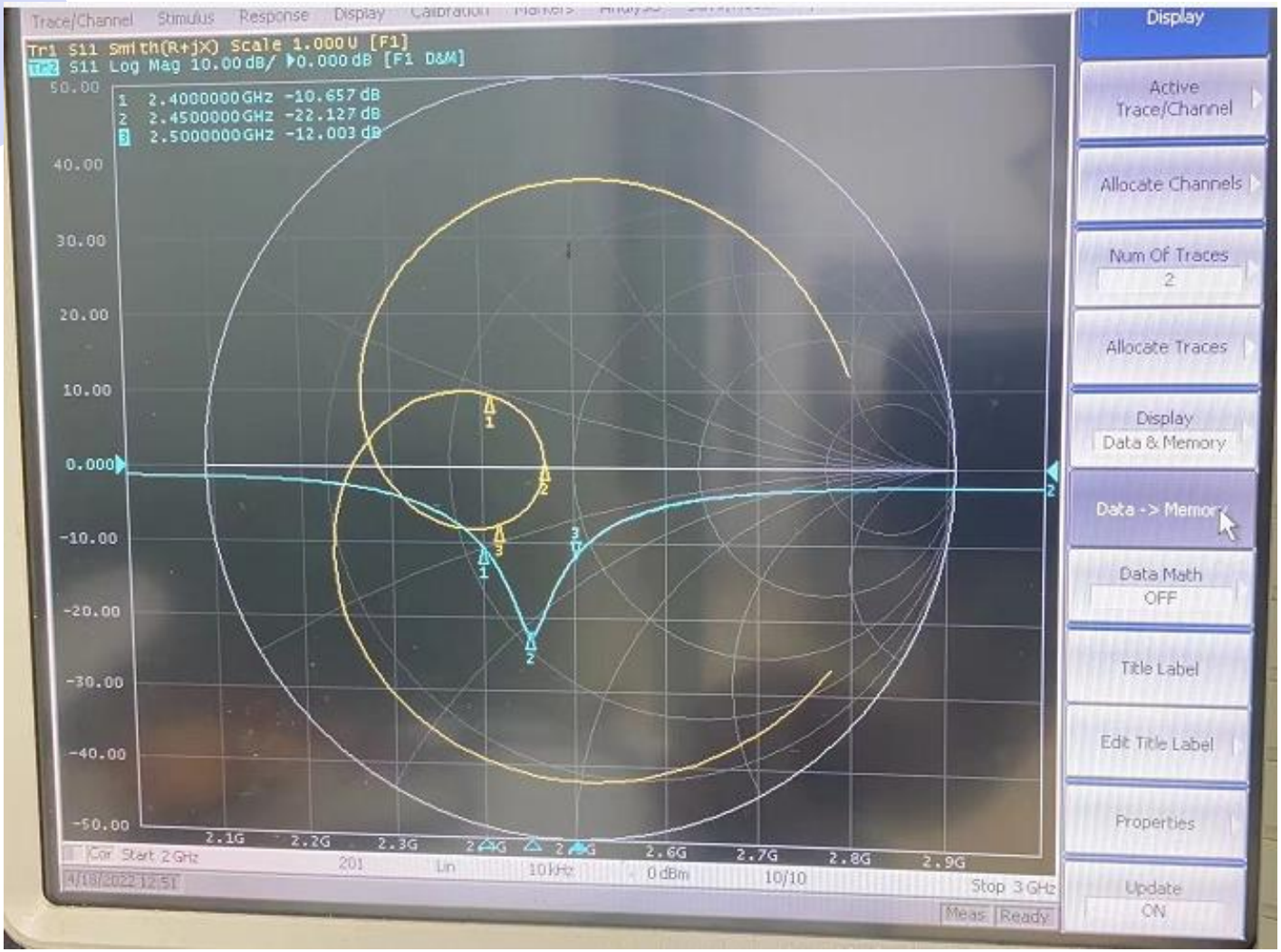


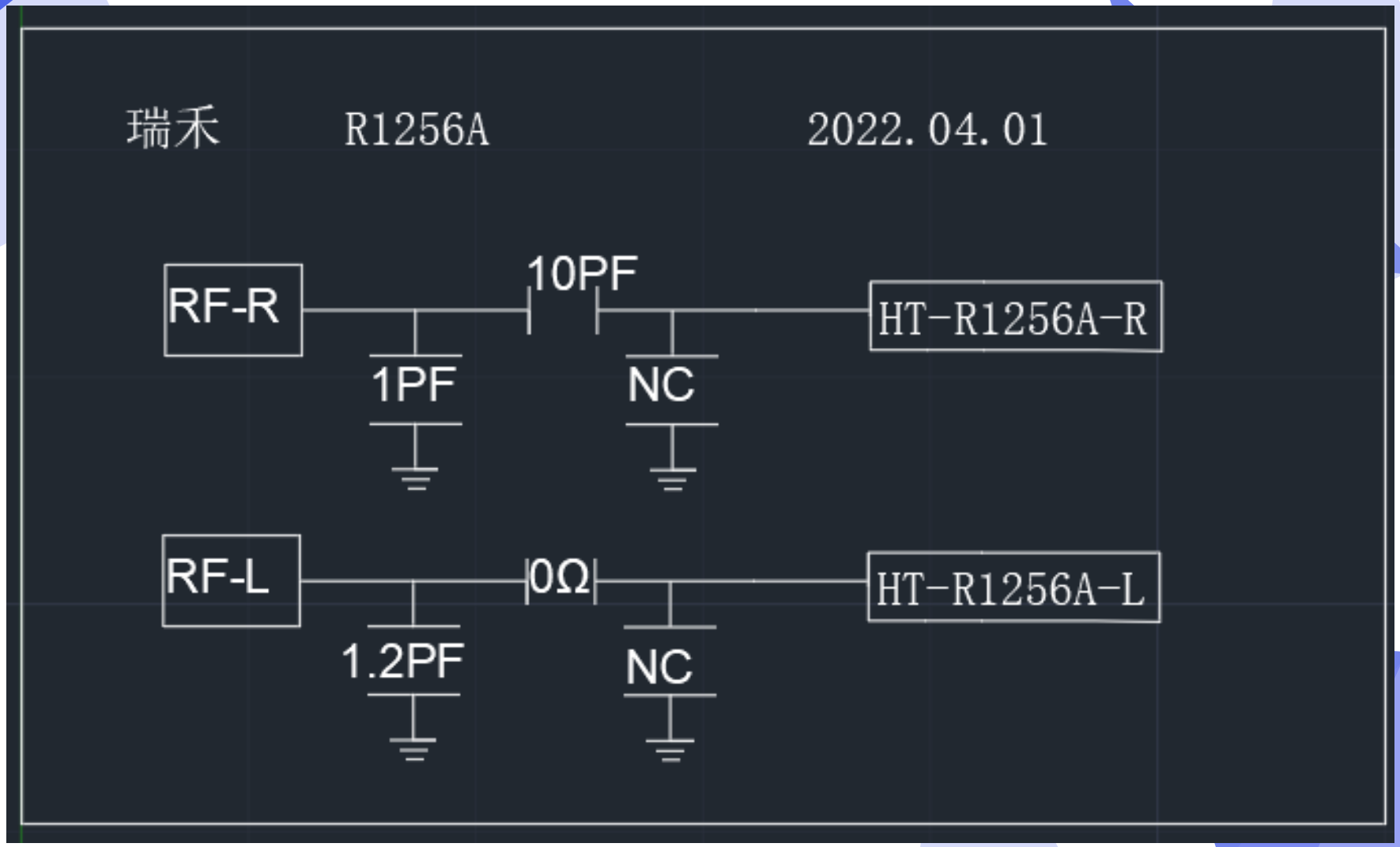
2.Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	CMW500 &CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



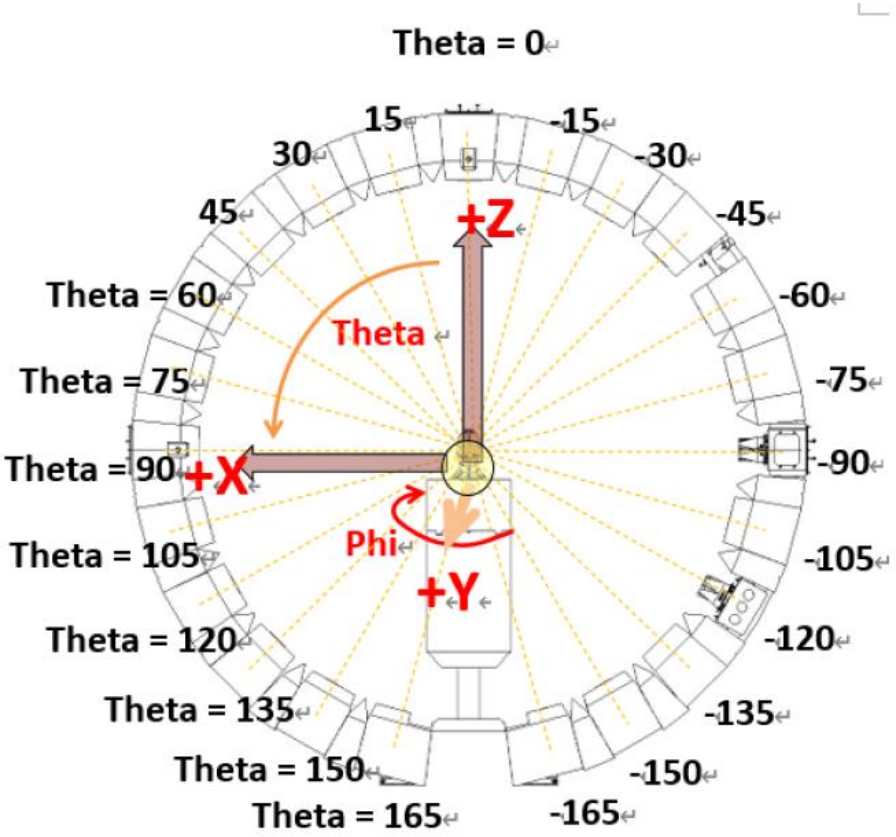
S11—(BT ANT)


Trace/Channel
Stimulus
Response
Display
Tr1 S11 Smith(R+jX) Scale 1.000U [F1]
Tr2 S11 Log Mag 10.00dB/ 0.000dB [F1 D&M]
1 2.4000000GHz -10.657dB
2 2.4500000GHz -22.127dB
3 2.5000000GHz -12.003dB
50.00
40.00
30.00
20.00
10.00
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
2.1G
2.2G
2.3G
2.6G
2.7G
2.8G
2.9G
Cor Start 2GHz
201
Lin
10kHz
0dBm
10/10
Stop 3GHz
Meas
Ready
Display
Active Trace/Channel
Allocate Channels
Num Of Traces
2
Allocate Traces
Display
Data & Memory
Data -> Memory
Data Math
OFF
Title Label
Edit Title Label
Properties
Update
ON


瑞禾
R1256A
2022.04.01
RF-R
10PF
HT-R1256A-R
1PF
NC
RF-L
0Ω
HT-R1256A-L
1.2PF
NC

Test Result

Sample status & coordinates



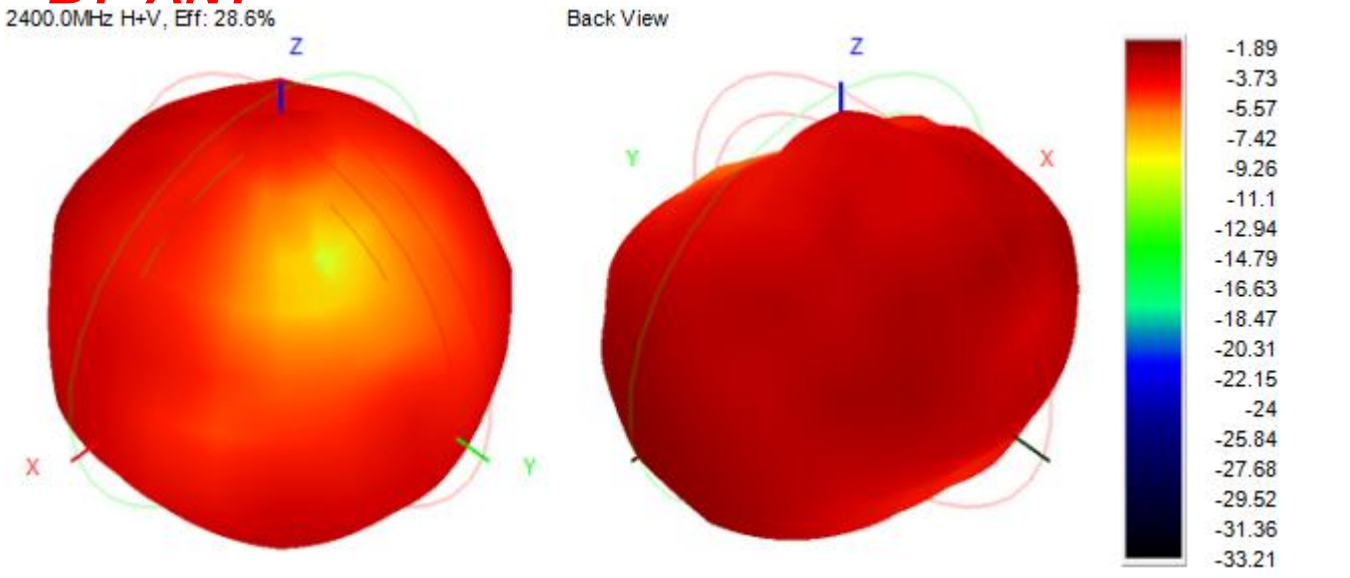
Test Result

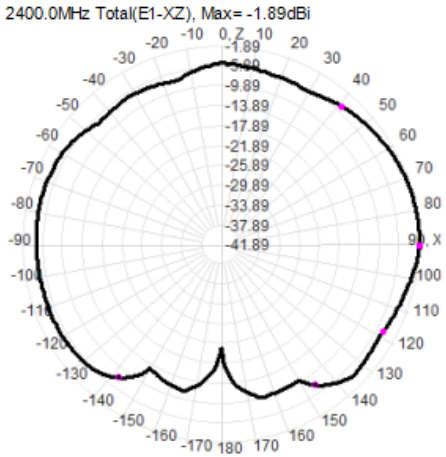
Gain & Efficiency——BT- ANT(L/R)

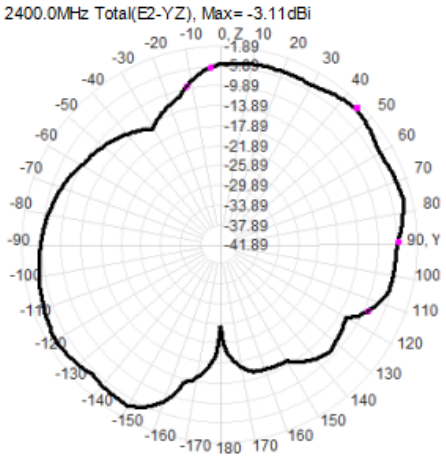
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	28.63	1.49
2410	30.45	1.53
2420	31.28	1.43
2430	32.46	1.48
2440	33.12	1.21
2450	35.71	1.32
2460	34.19	1.57
2470	33.84	1.40
2480	33.74	1.55
2490	32.54	1.27
2500	31.68	1.15

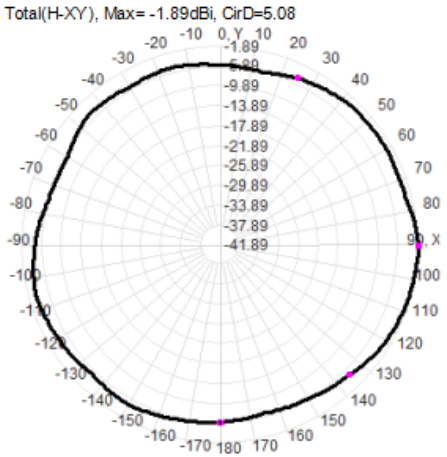
Test Result

2D&3D——BT- ANT



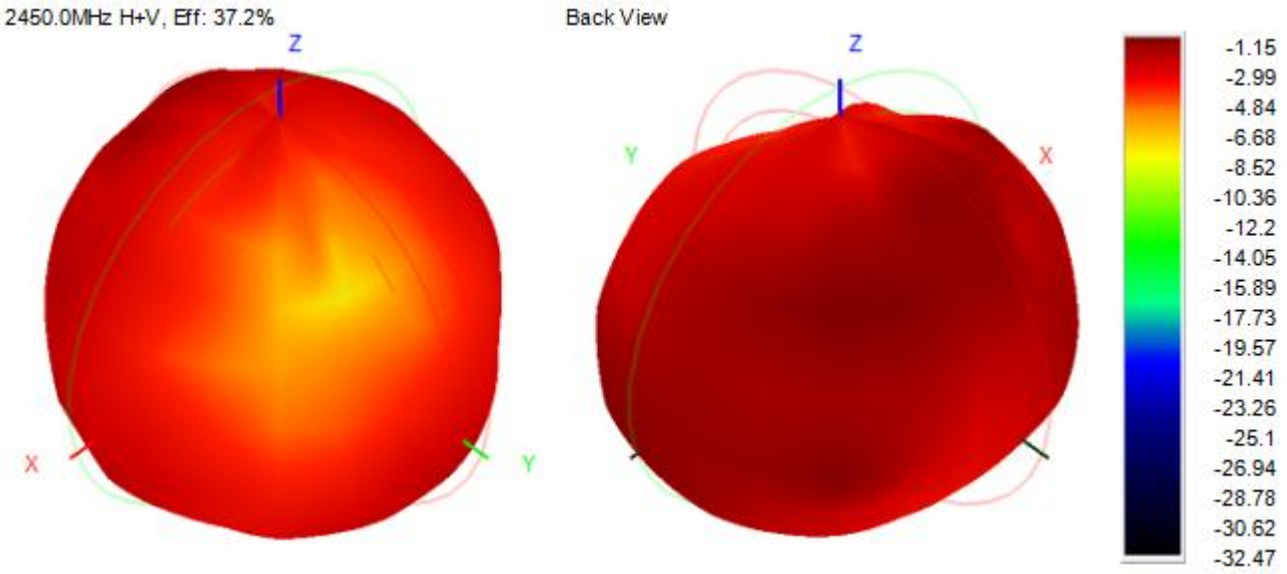


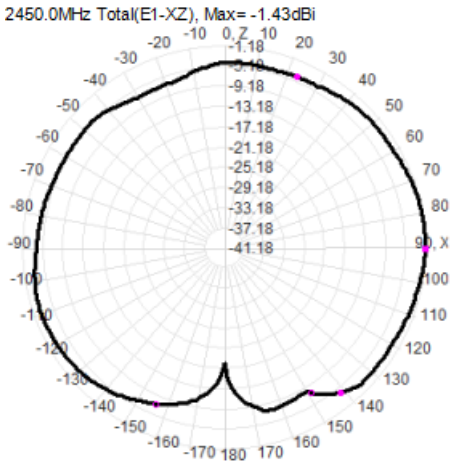


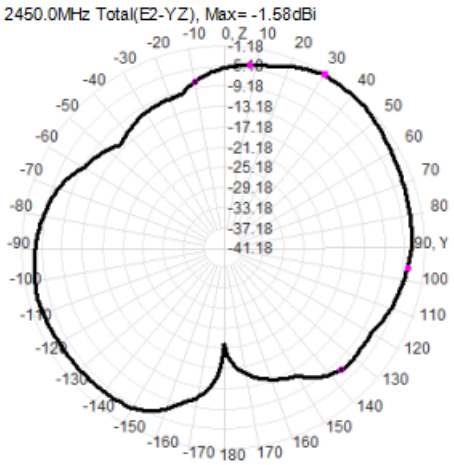


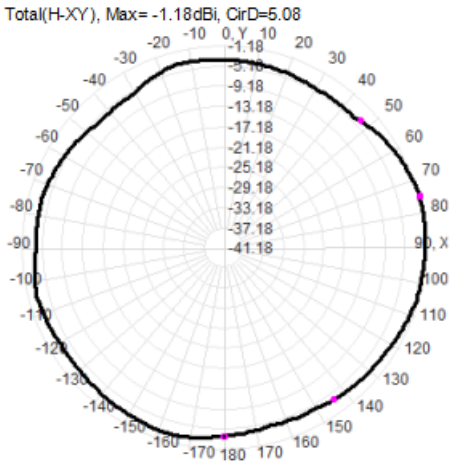
Test Result

2D&3D——BT- ANT



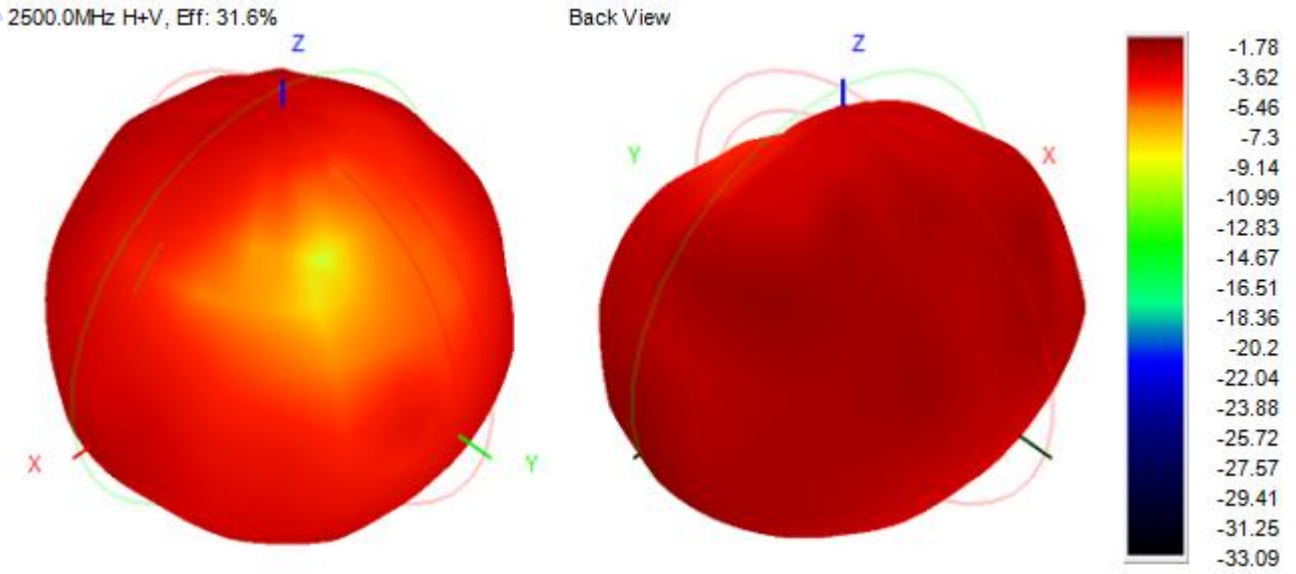


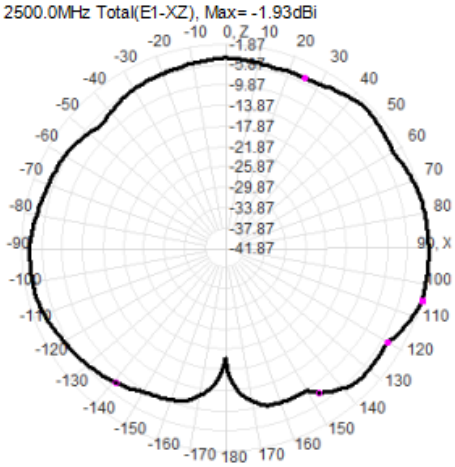


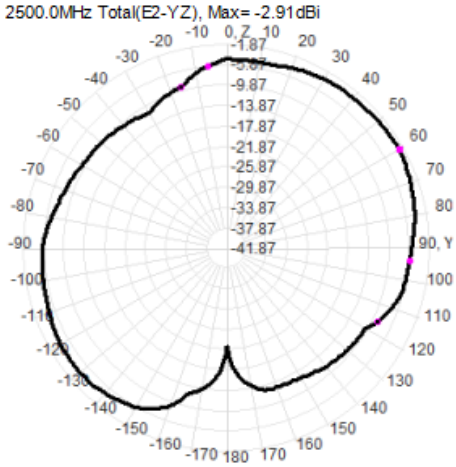


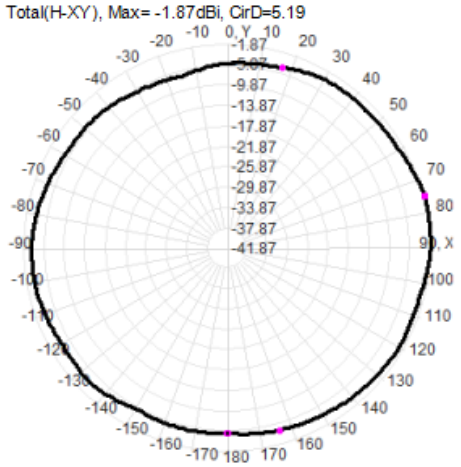
Test Result

2D&3D——BT- ANT









Thanks for your comment!

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- **RF: Hu Xuewen**