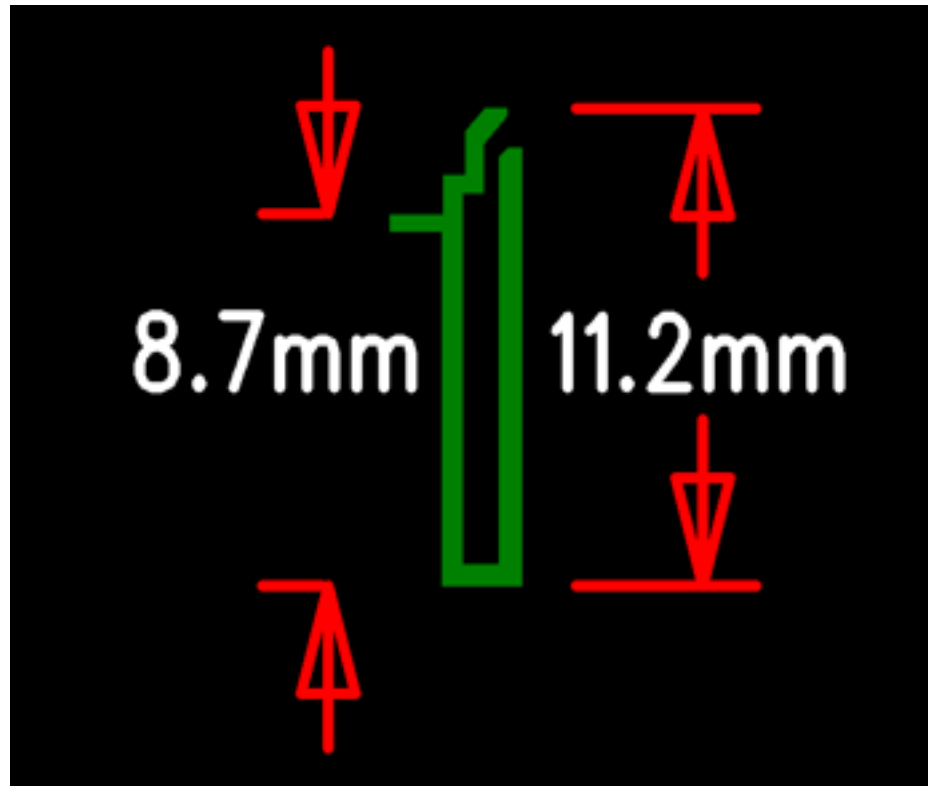


Antenna Test Report

Customer	liao yuan
Project	
Antenna BAND	
Product Description	PCB
Product No	

Product Overview & Dimension



This report is to measure the performance of BT antenna for **W1**. The antenna operating frequency at (5850MHZ) , All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter
 - 4.2 Gain & Efficiency
 - 4.3 Test coordinate
 - 4.4 2D Pattern
 - 4.5 OTA Data
 - 4.6 WiFi Boot measured
5. Antenna Assembly & environmental processing

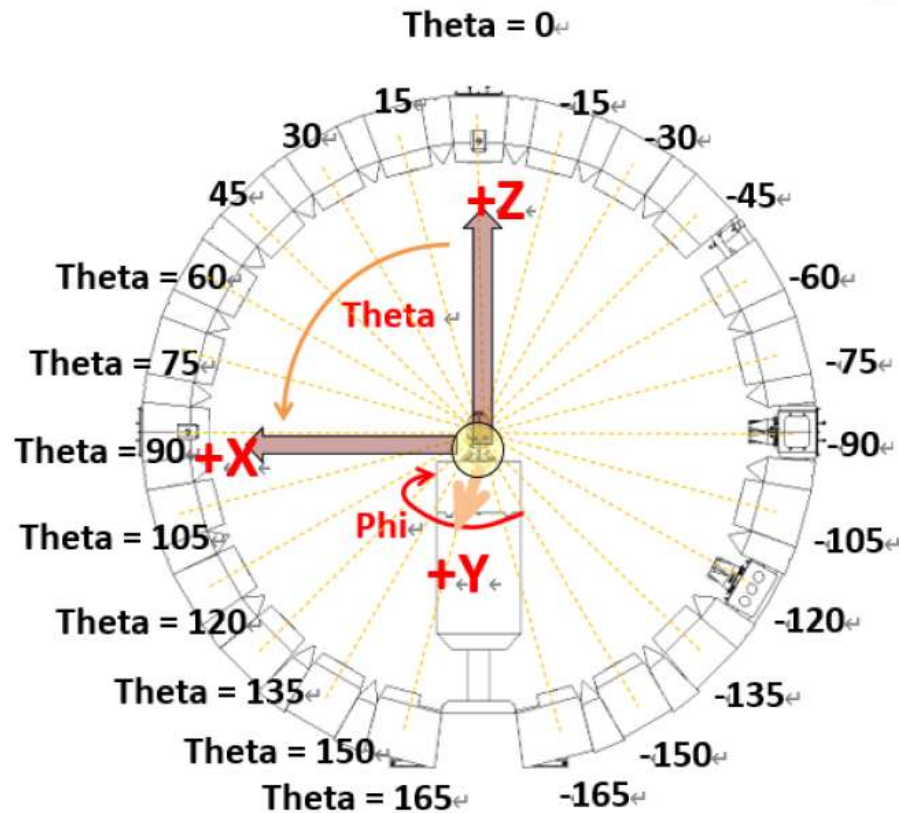
2. Test System

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C



Test Result

Sample status & coordinates

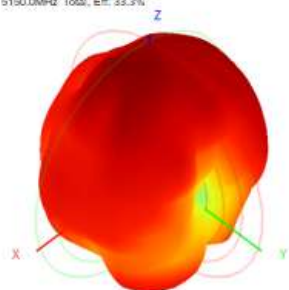




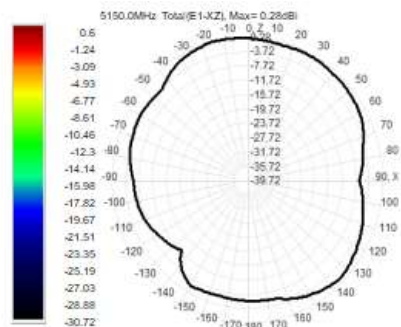
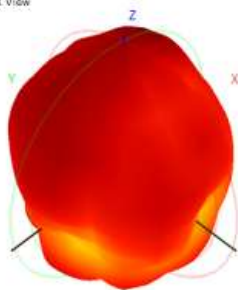
天线S11

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
5150.0	5200.0	5250.0	5300.0	5350.0	5400.0	5450.0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0
0.60	0.57	0.60	0.67	0.66	0.31	0.50	1.18	1.91	2.23	1.76	2.67	2.61	2.42	2.31
23.32	24.39	26.96	25.75	27.13	28.18	29.81	29.20	34.32	38.25	35.10	38.69	32.04	21.14	27.85

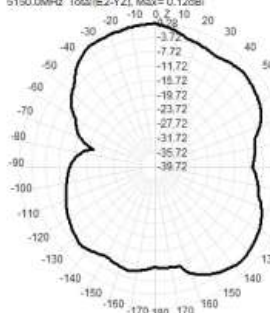
5150.0MHz Total, E# 33.3%



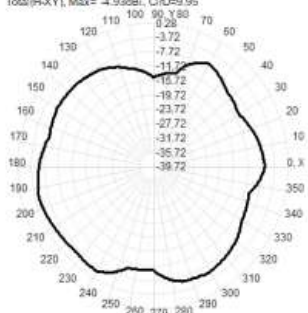
Back View



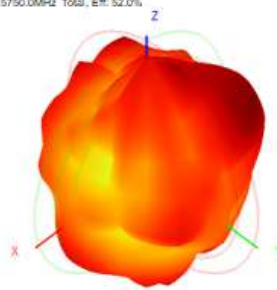
5150.0MHz Total(E2-YZ), Max= 0.12dB



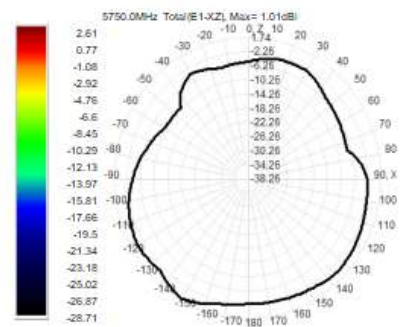
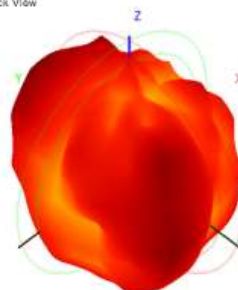
Total(H-XY), Max= -4.93dB, C/I0=9.95



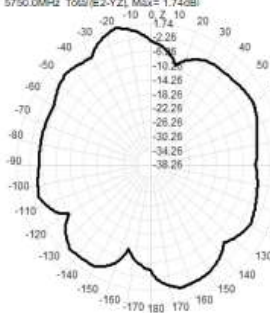
5750.0MHz Total, E# 52.0%



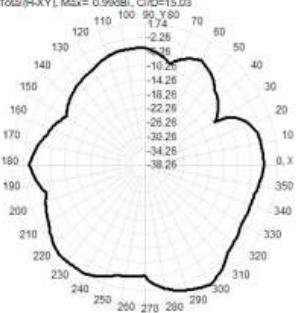
Back View



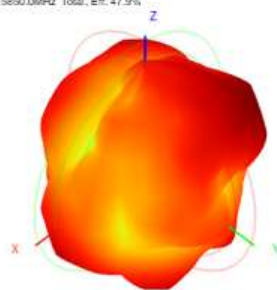
5750.0MHz Total(E2-YZ), Max= 1.74dB



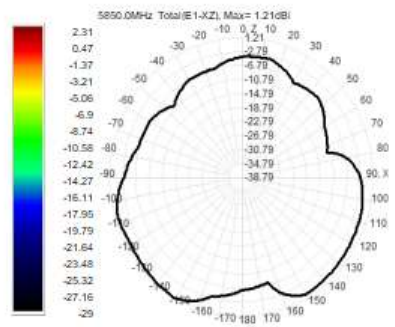
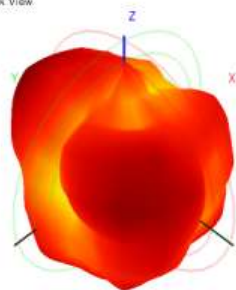
Total(H-XY), Max= 0.99dB, C/I0=15.03



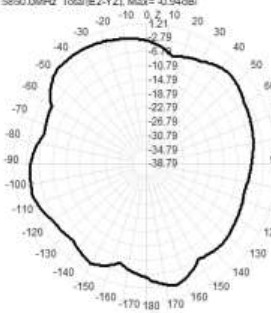
5850.0MHz Total, E# 47.9%



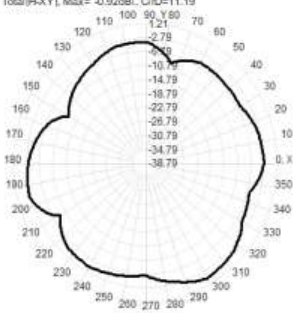
Back View

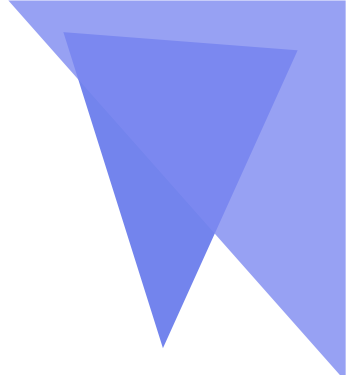


5850.0MHz Total(E2-YZ), Max= -0.94dB



Total(H-XY), Max= -0.92dB, C/I0=11.19





Thanks for your comment!

◆ **Shenzhen Ning Yi Technology Co., Ltd**

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Shenzhen**

