

M58 测试报告

客 户	人可时代
项 目	M58
天线频段	WiFi 2.4G
产品描述	铜管天线
日 期	2026-09-03

样机图片



Purpose

This report is to measure the performance of BT antenna for M58.

The antenna operating frequency at WIFI 2.4G ,

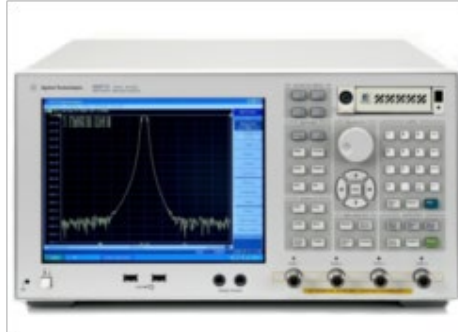
All test data are showed as below.

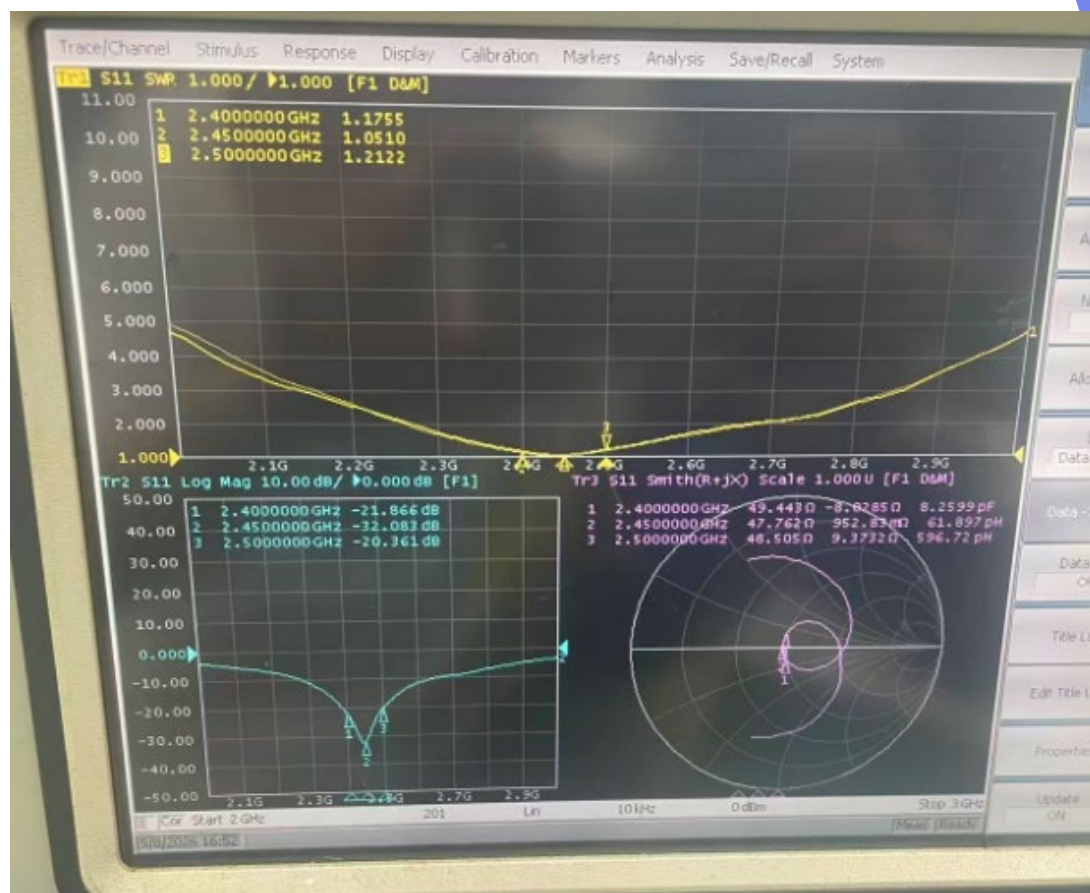
Content

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 & Agilent 5062A
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& SATIMO & Agilent 8960
Gain & Efficiency	Gain & Efficiency	ETS& SATIMO Agilent 5071C



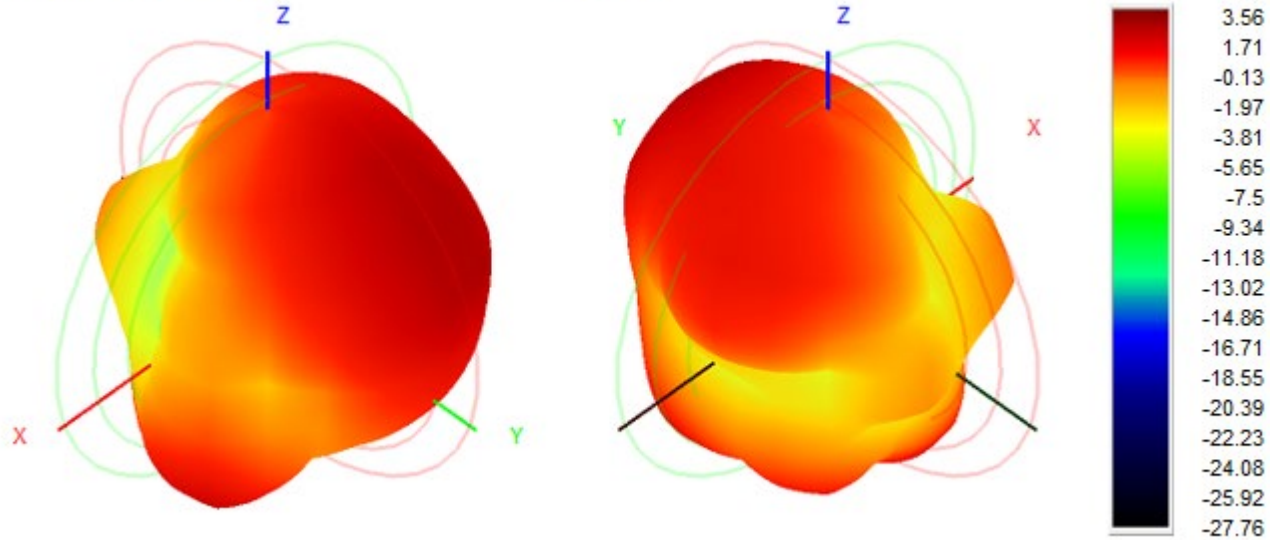


天线S11

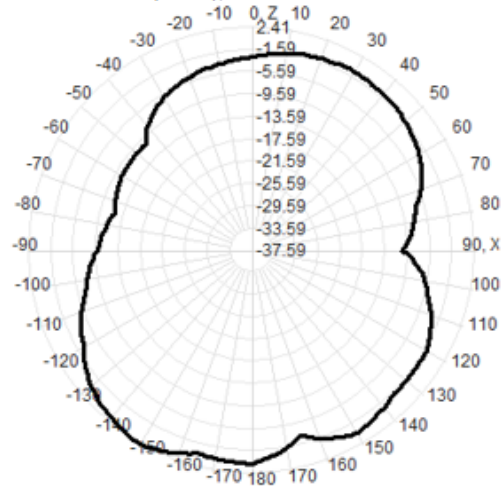
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	3.56	3.32	3.02	2.96	3.12	3.22	3.43	3.37	3.30	3.05	2.77
Efficiency (%)	53.20	53.71	54.22	52.15	54.41	54.93	57.22	56.77	57.58	55.02	54.01

2400.0MHz Total, Eff: 53.2%

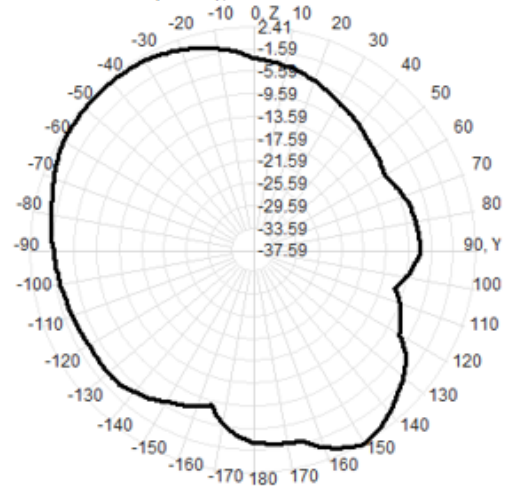
Back View



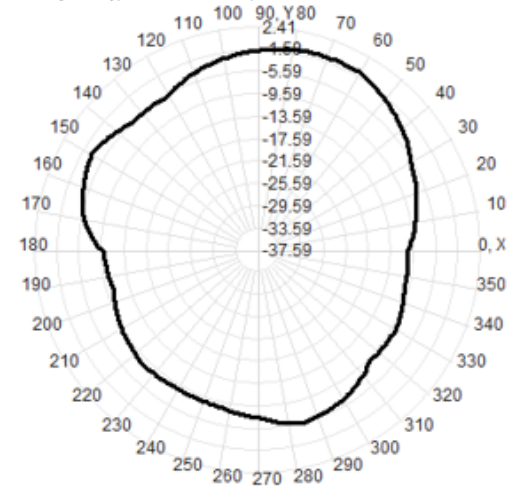
2400.0MHz Total(E1-XZ), Max= 2.41dBi



2400.0MHz Total(E2-YZ), Max= 2.36dBi

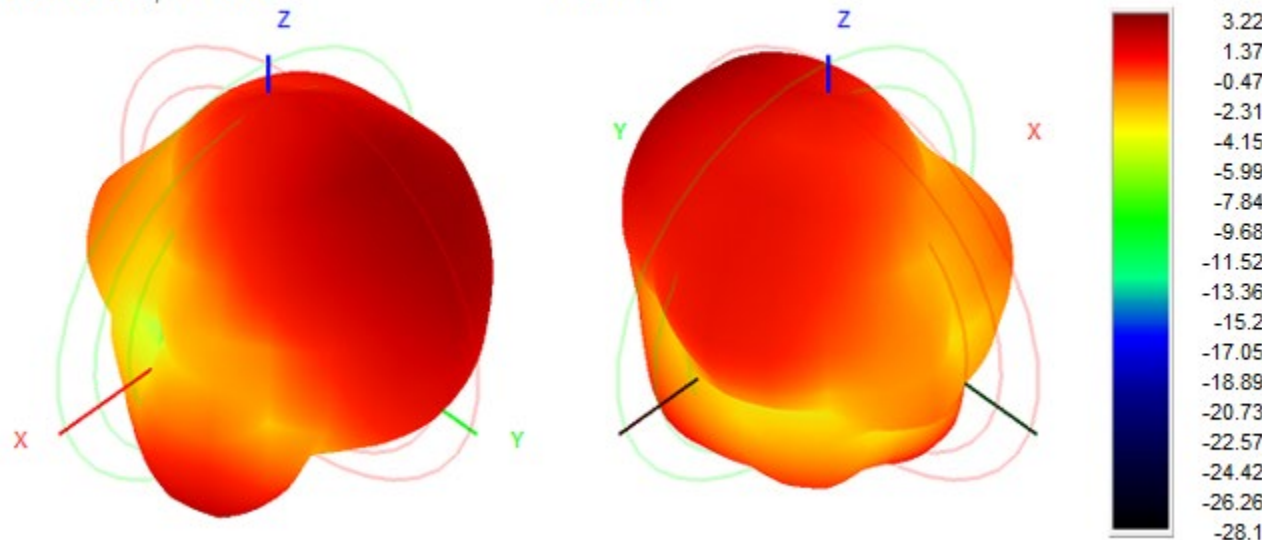


Total(H-XY), Max= -0.92dBi, CirD=9.92

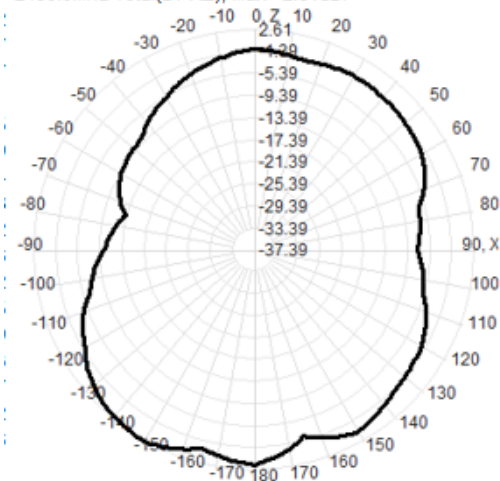


2450.0MHz Total, Eff: 54.9%

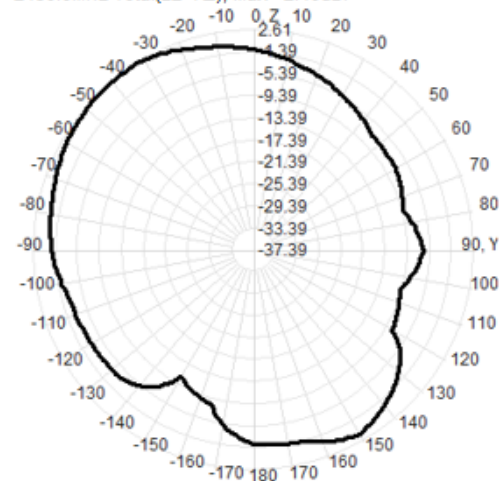
Back View



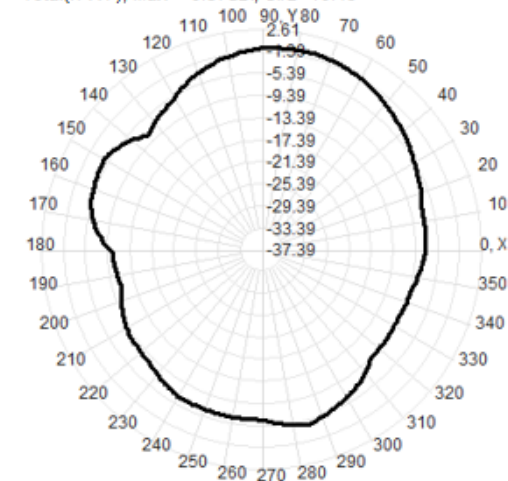
2450.0MHz Total(E1-XZ), Max= 2.61dBi



2450.0MHz Total(E2-YZ), Max= 2.40dBi



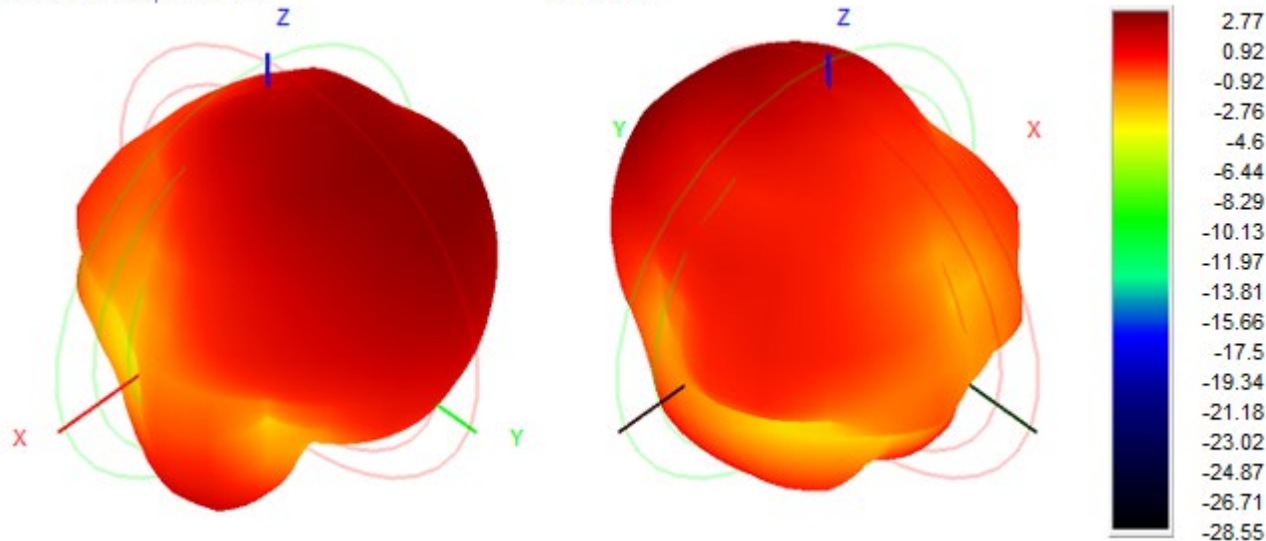
Total(H-XY), Max= -0.57dBi, CirD=10.49



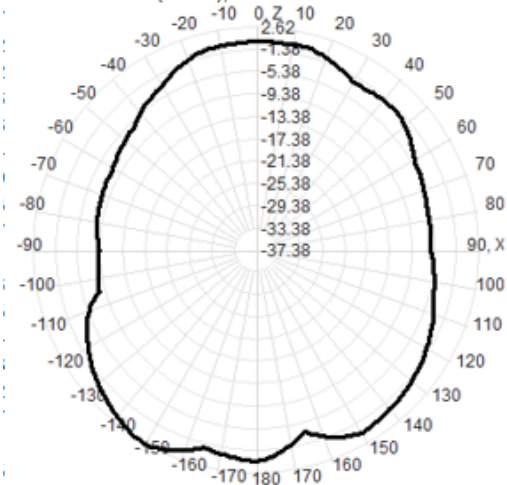
3D Pattern

2500.0MHz Total, Eff: 54.0%

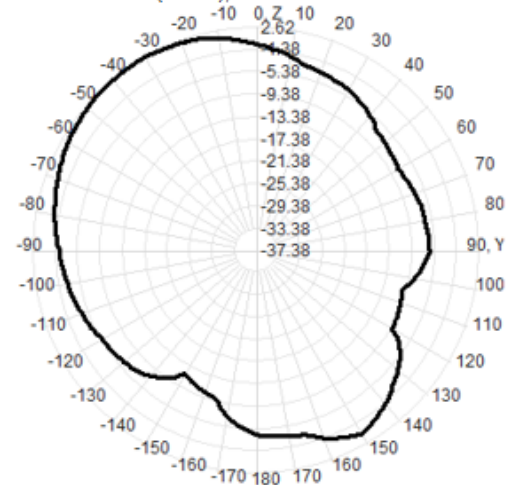
Back View



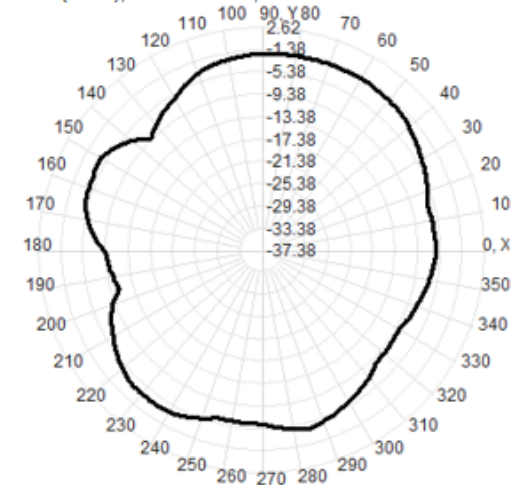
2500.0MHz Total(E1-XZ), Max= 2.62dBi



2500.0MHz Total(E2-YZ), Max= 2.45dBi



Total(H-XY), Max= -1.86dBi, CirD=9.19



Thanks for your comment!

◆ 深圳市宁壹科技有限公司

◆ 深圳：深圳市宝安区西乡恒丰工业城C6栋1202B

◆ RF：黄志林