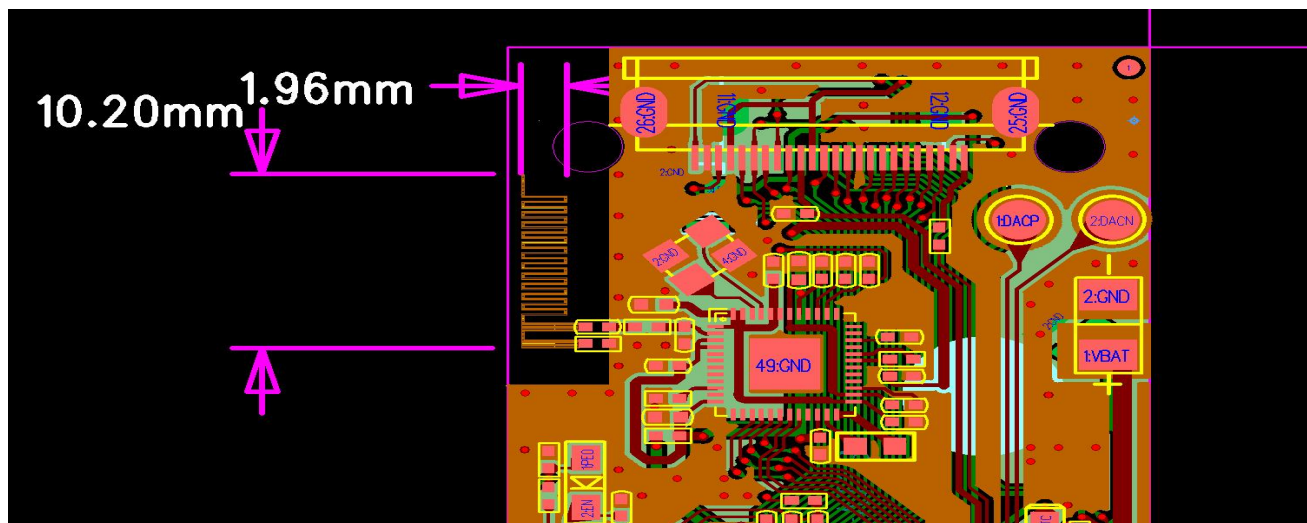


Antenna Test Report

Customer	
Project	
Antenna Revision	
Product Description	PCB Antenna
Product No	
DATE	2025. 04. 12

Front



Purpose

This report is to measure the performance of BT antenna for S058
.The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

Content

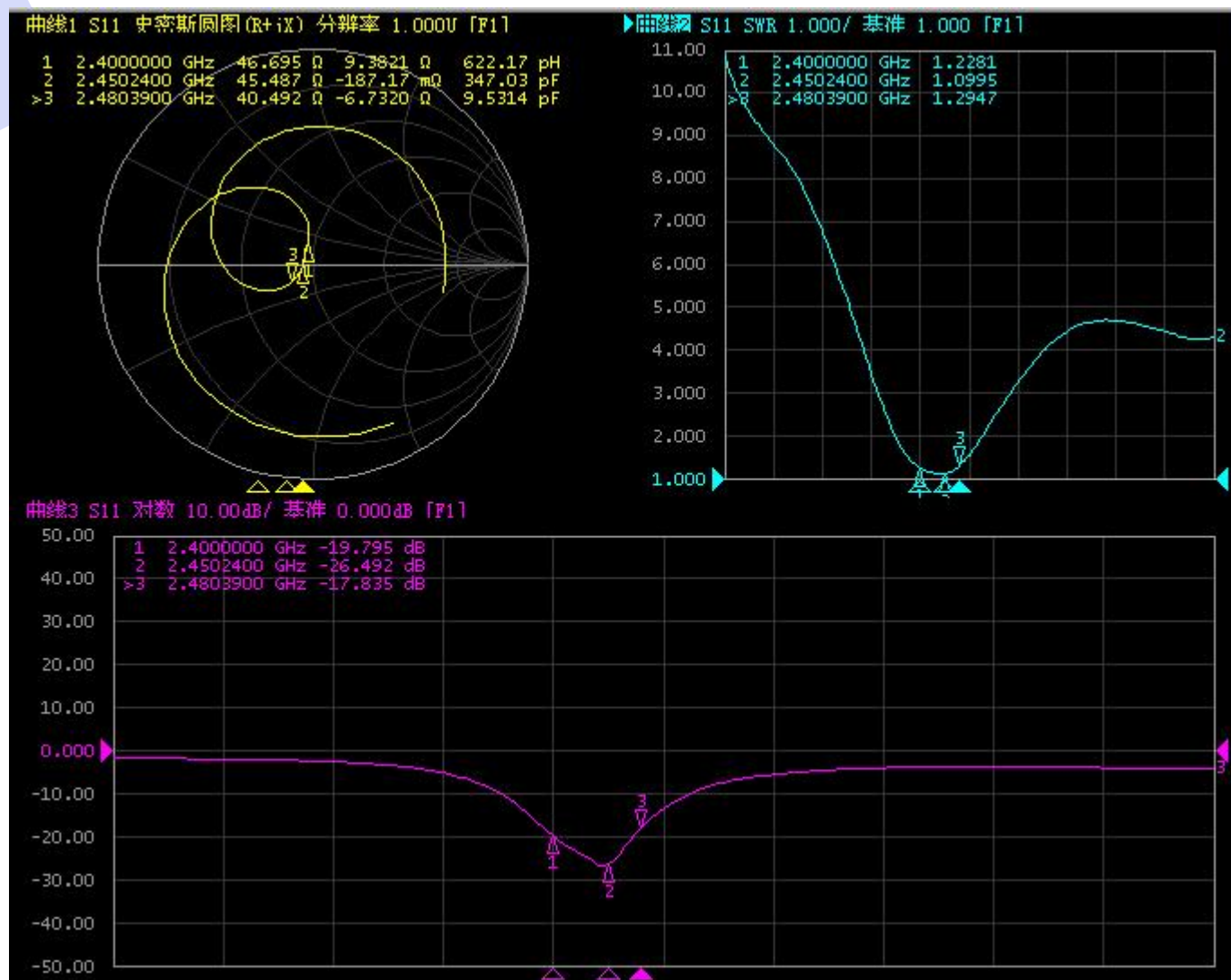
1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter
 - 4.2 Test coordinate
 - 4.3 2D Pattern
 - 4.4 OTA Data
 - 4.5 BT Boot measured
5. Antenna Assembly & environmental processing

2. Test System

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

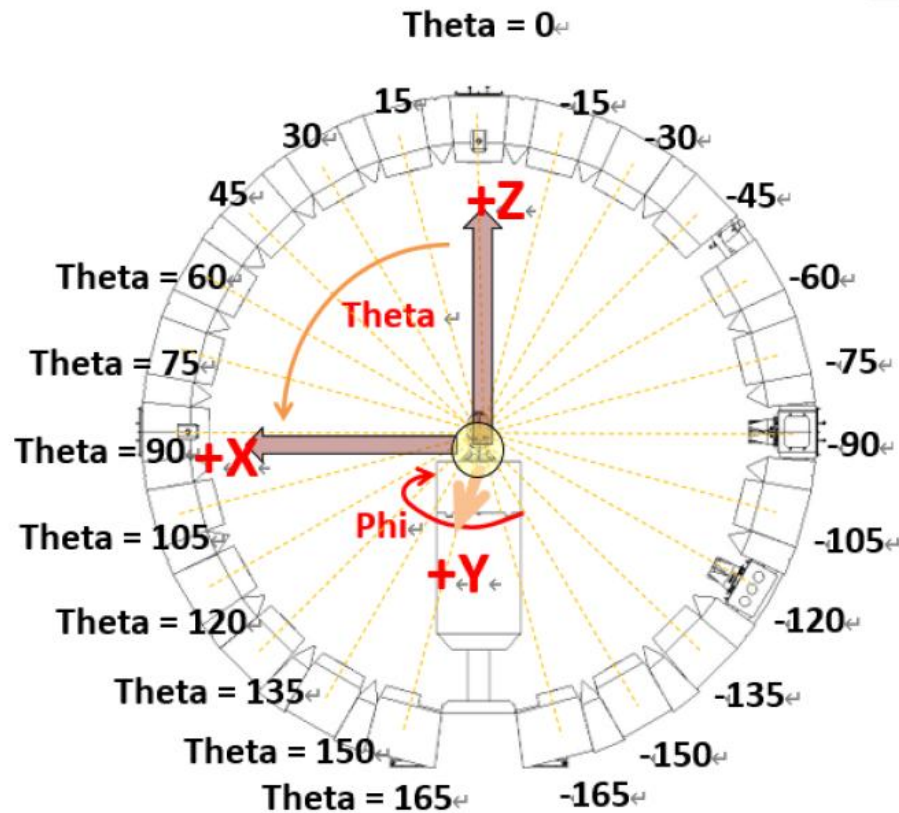


S11—(BT ANT)



Test Result

Sample status & coordinates



Test Result

Gain & Efficiency—**ANT**

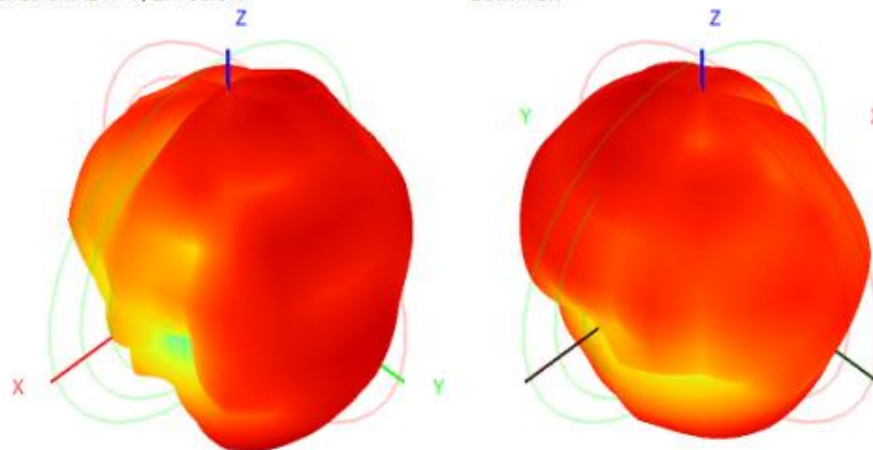
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	36.33	1.84
2450	38.99	2.44
2500	36.17	1.48

Test Result

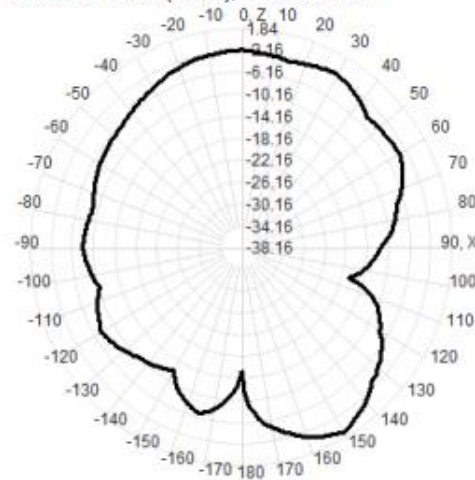
2D&3D — ANT

2400.0MHz H+V, Eff: 36.3%

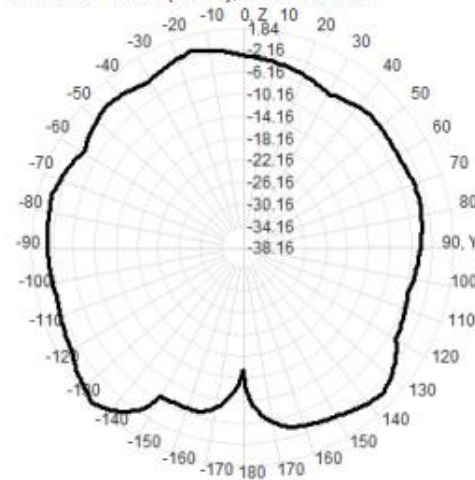
Back View



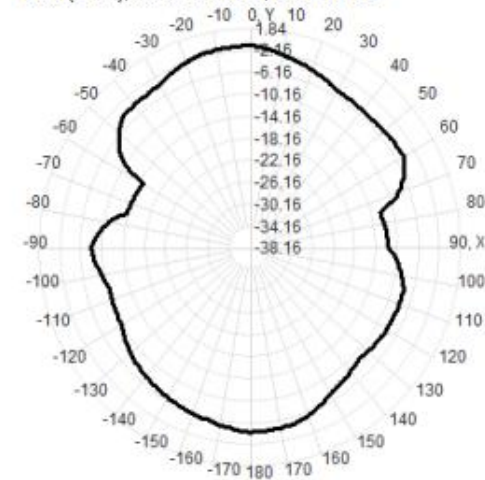
2400.0MHz Total(E1-XZ), Max= 0.52dBi



2400.0MHz Total(E2-YZ), Max= 1.84dBi



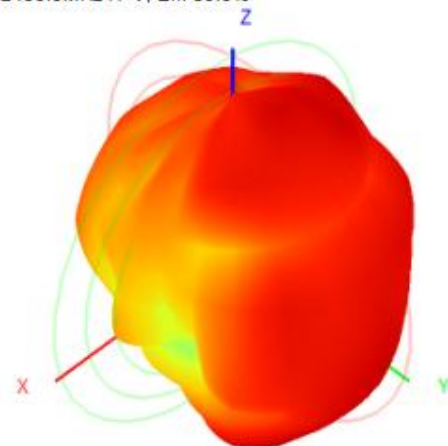
Total(H-XY), Max= -1.25dBi, CirD=13.49



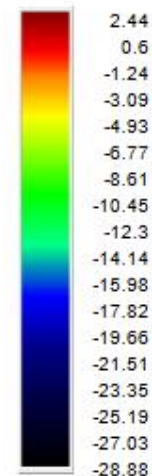
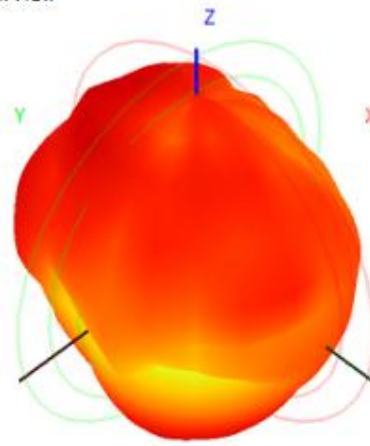
Test Result

2D&3D — ANT

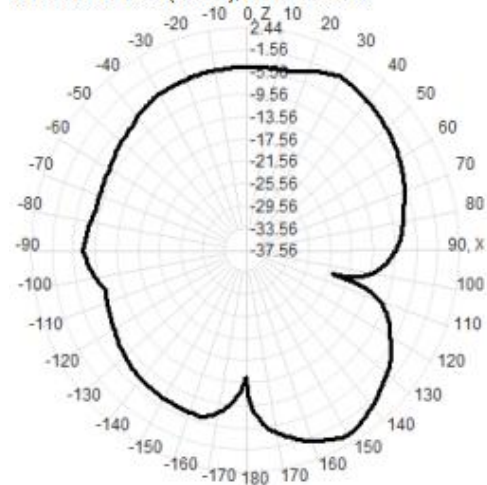
2450.0MHz H+V, Eff: 39.0%



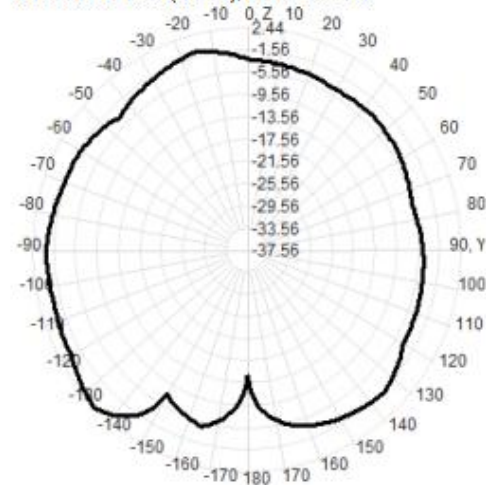
Back View



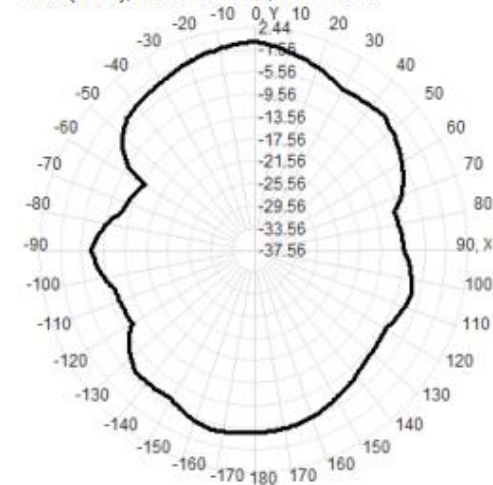
2450.0MHz Total(E1-XZ), Max= 0.72dBi



2450.0MHz Total(E2-YZ), Max= 2.44dBi



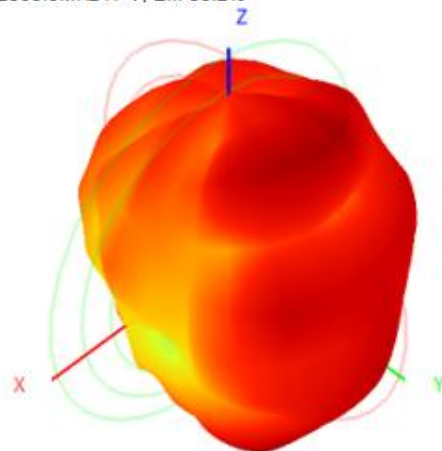
Total(H-XY), Max= -0.17dBi, CirD=13.99



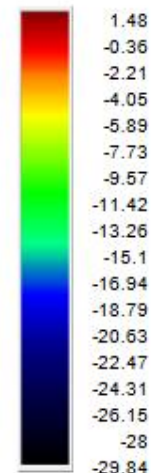
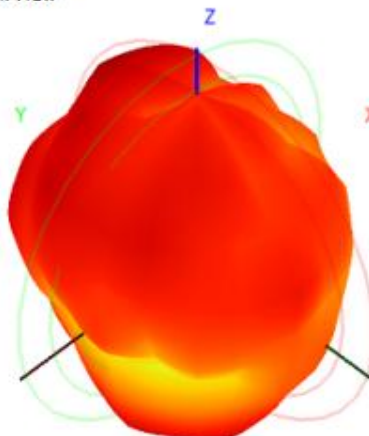
Test Result

2D&3D — ANT

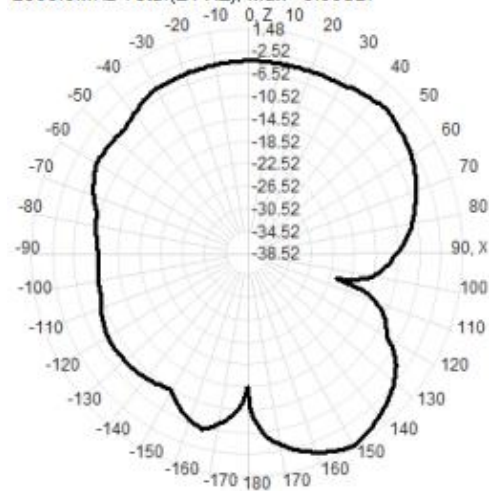
2500.0MHz H+V, Eff: 36.2%



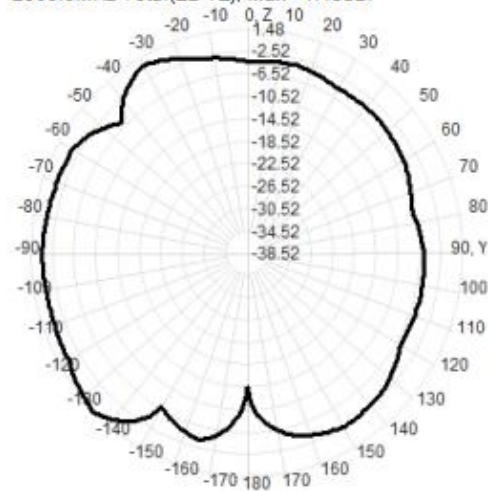
Back View



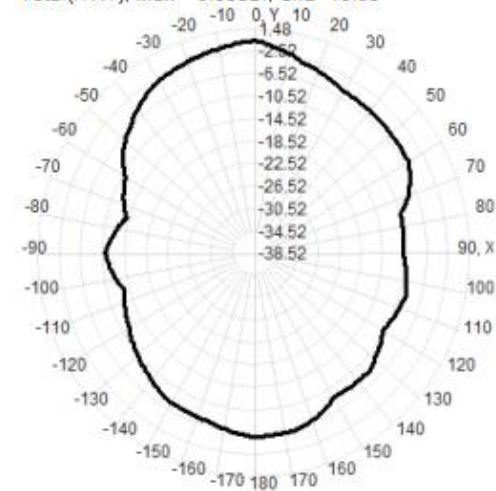
2500.0MHz Total(E1-XZ), Max= 0.99dBi

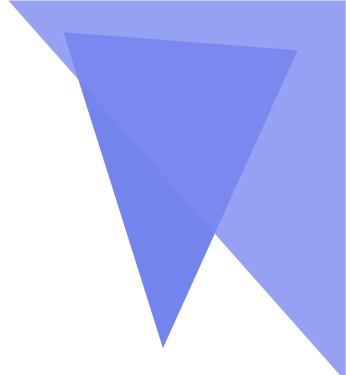


2500.0MHz Total(E2-YZ), Max= 1.48dBi



Total(H-XY), Max= -0.68dBi, CirD=13.56





Thanks for your comment!

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 - ◆ **1202B, Building C6, Hengfeng Industrial City, Xixiang, Bao'an District,
Shenzhen, China**
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