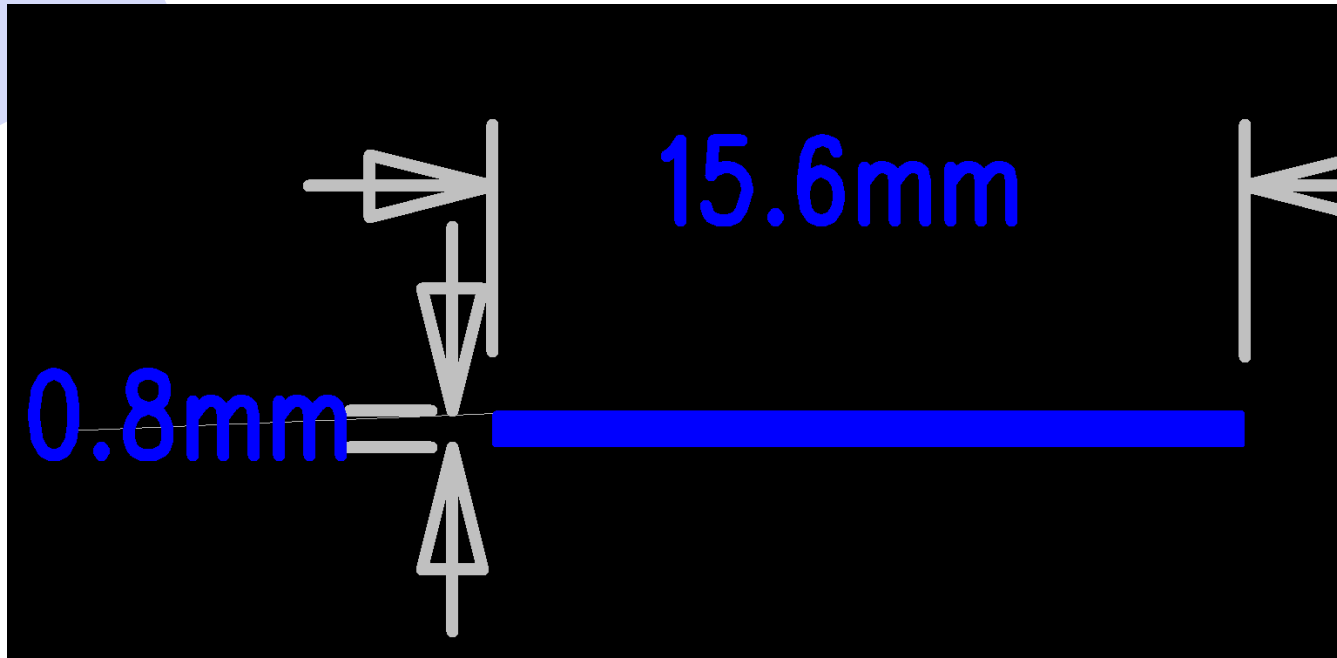


LY02 Antenna Test Report

Customer	Janyun Technology
Project	LY02
Antenna BAND	BT
Product Description	2012-X5
date	2026. 07. 08

Product Overview & Dimension



This report is to measure the performance of BT antenna for LY02
.The antennaoperating frequency at
(2400–2500MHZ) , All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
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4. Test Result
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 - 4.5 OTA Data
 - 4.6 BT Boot measured
5. Antenna Assembly & environmental processing

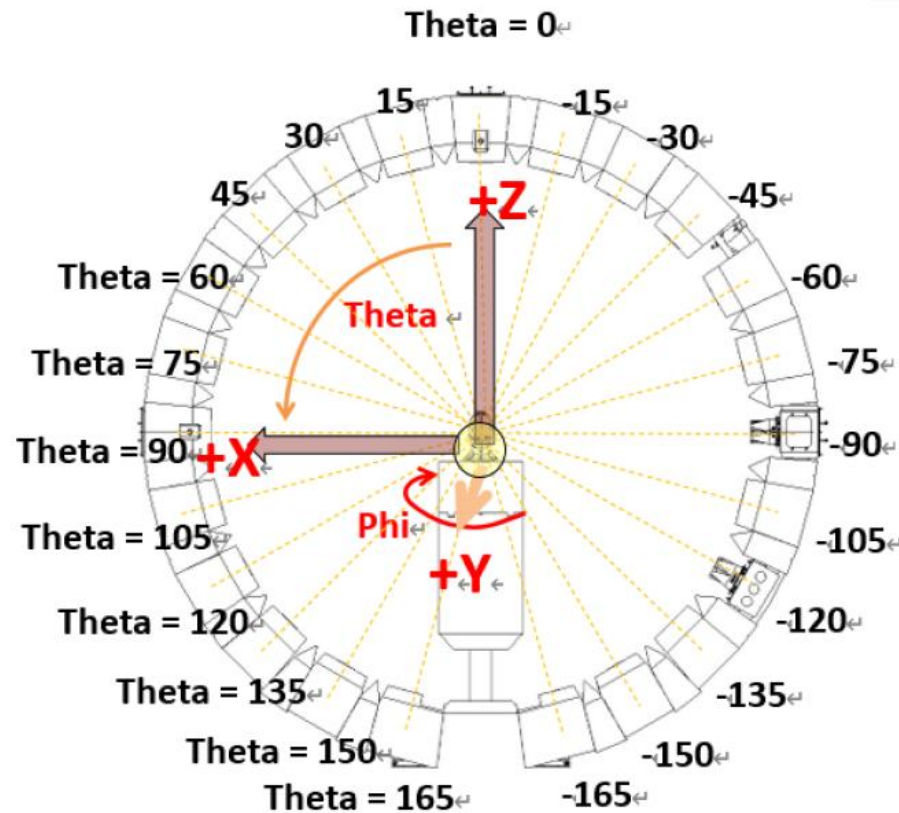
2. Test System

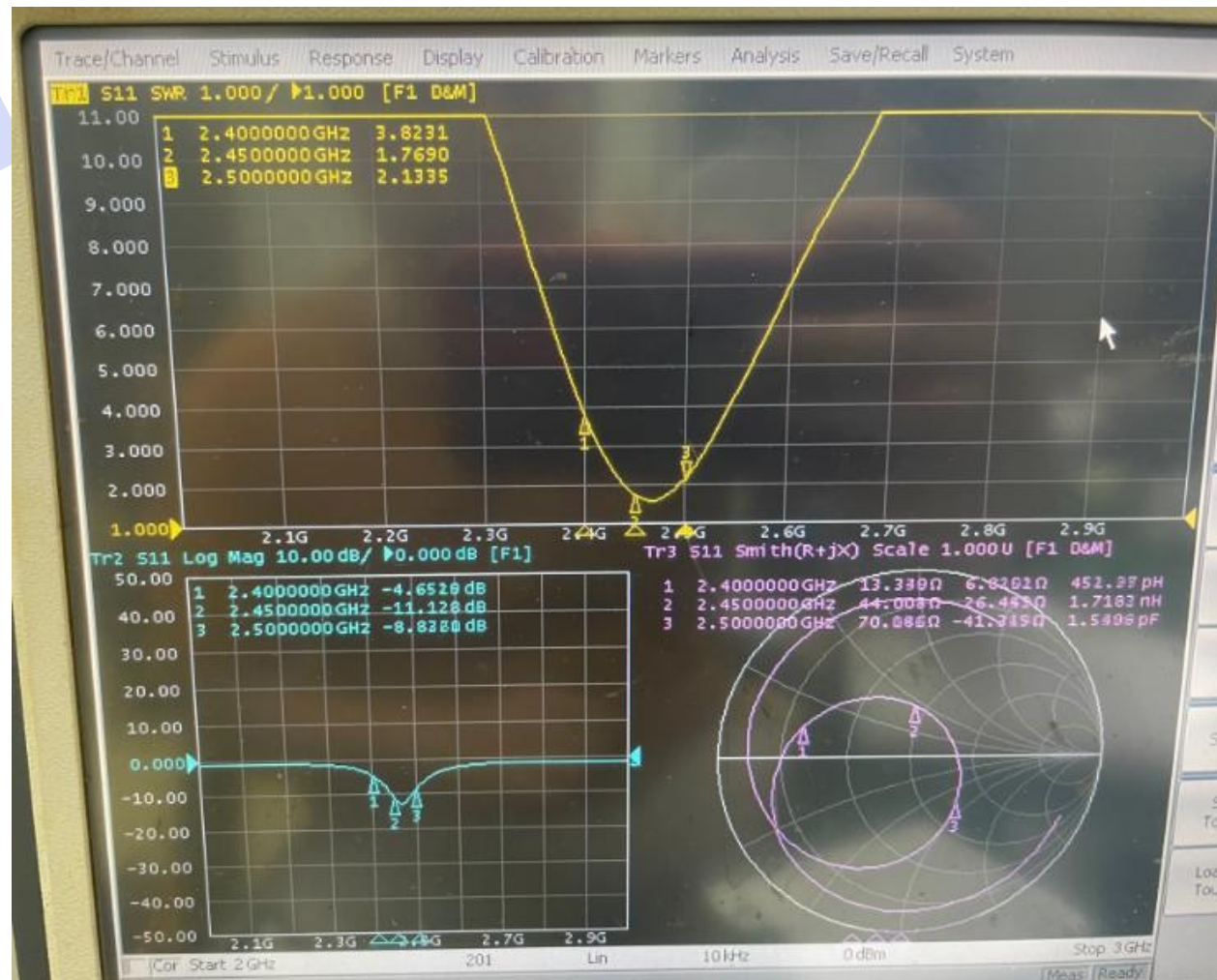
Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & HP 8753
OTA Test	TRP&TIS	CMW500 & CMW270 ETS& FT SG24
Gain & Efficiency	Gain & Efficiency	ETS&FT SG24 Agilent 5071C



Test Result

Sample status & coordinates



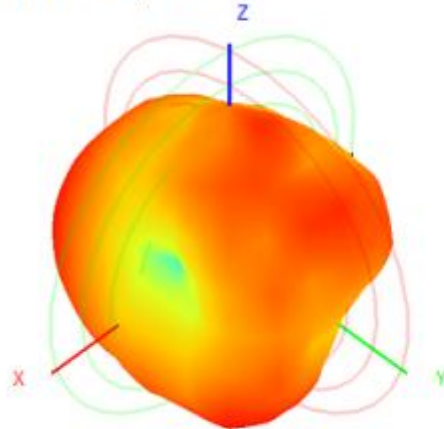


Antenna S11

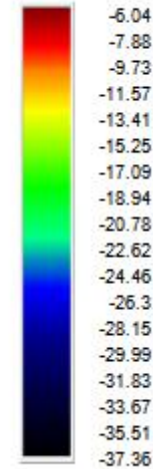
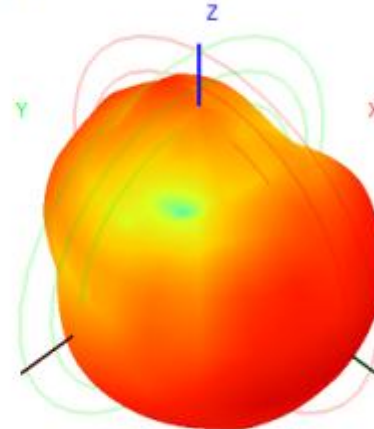
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-13.03	-12.90	-11.52	-11.76	-10.72	-10.39	-9.67	-9.48	-9.47	-9.66	-9.90
Gain (dBi)	-6.04	-5.74	-4.21	-4.34	-3.06	-2.47	-1.52	-1.31	-1.48	-1.94	-2.42
Efficiency (%)	4.97	5.13	7.05	6.67	8.48	9.14	10.79	11.28	11.30	10.82	10.23

3D Pattern

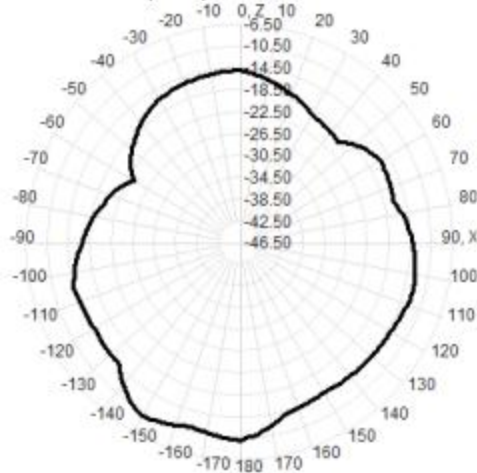
2400.0MHz Total, Eff: 5.0%



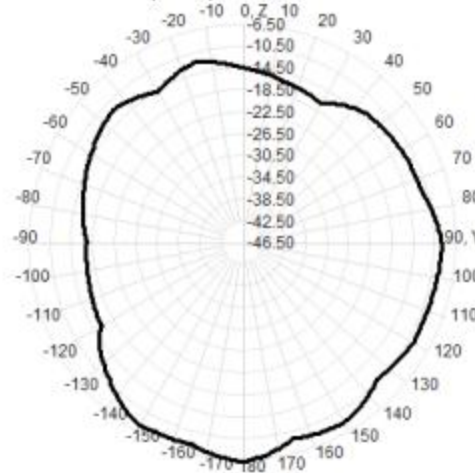
Back View



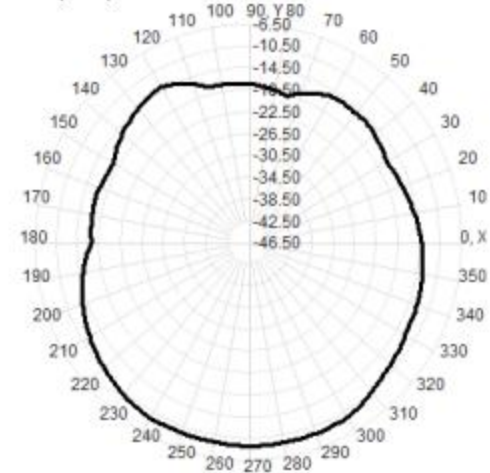
2400.0MHz Total(E1-XZ), Max=-10.01dBi



2400.0MHz Total(E2-YZ), Max=-6.50dBi

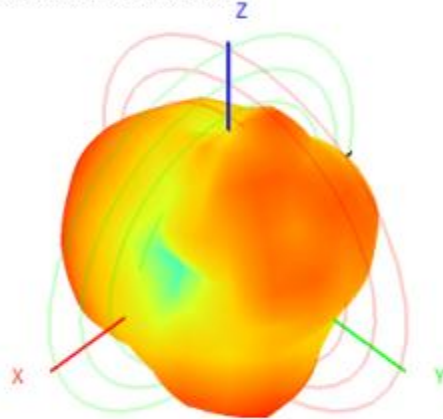


Total(H-XY), Max=-9.38dBi, CirD=9.38

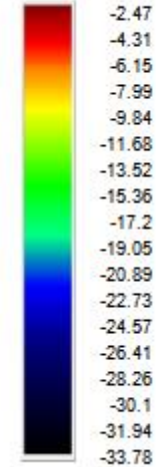
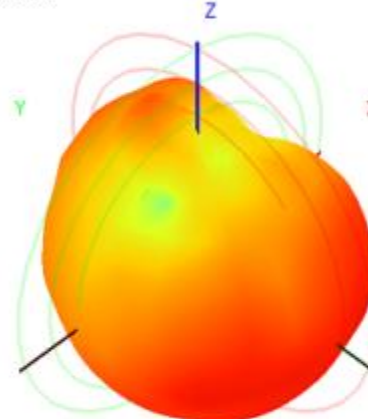


3D Pattern

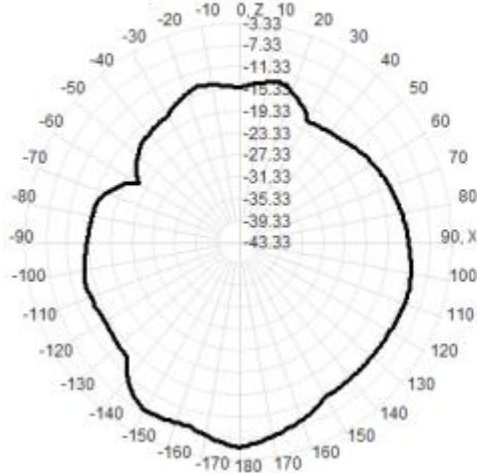
2450.0MHz Total, Eff: 9.1%



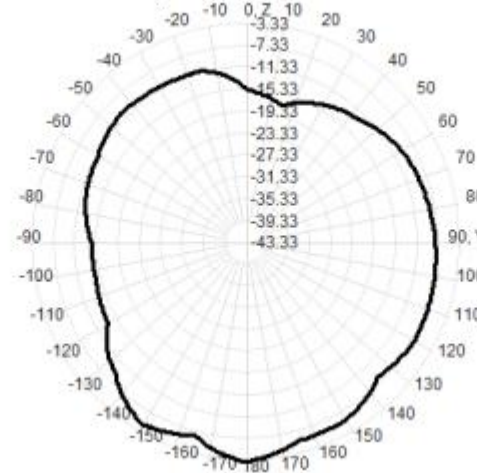
Back View



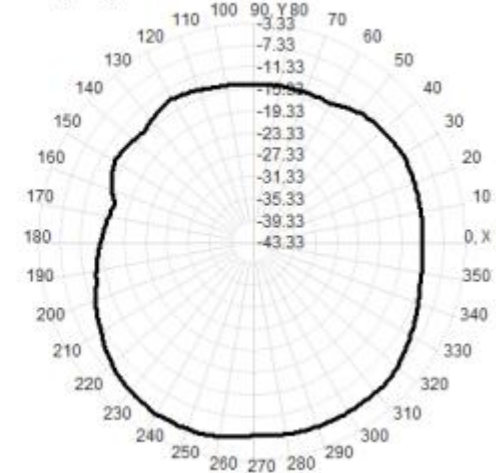
2450.0MHz Total(E1-XZ), Max= -6.00dBi



2450.0MHz Total(E2-YZ), Max= -3.33dBi

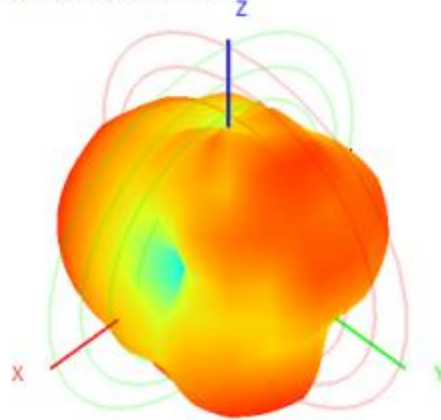


Total(H-XY), Max= -7.16dBi, CirD=9.59

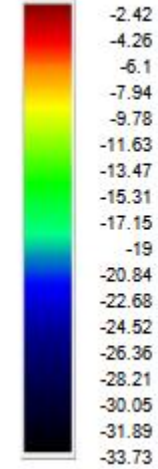
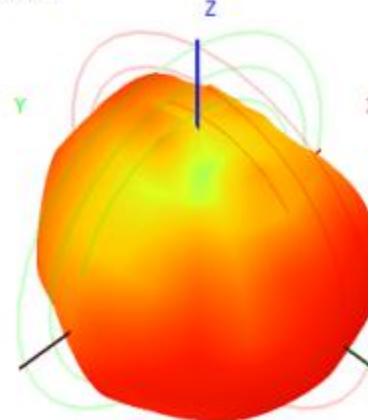


3D Pattern

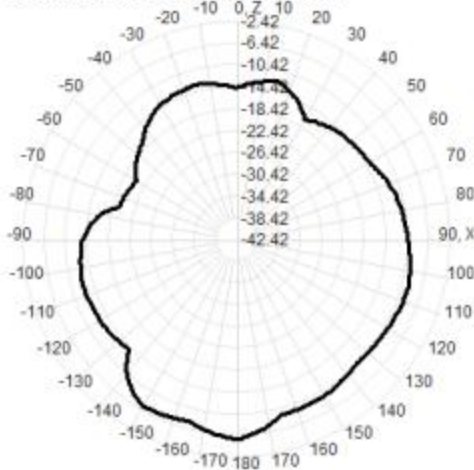
2500.0MHz Total, Eff: 10.2%



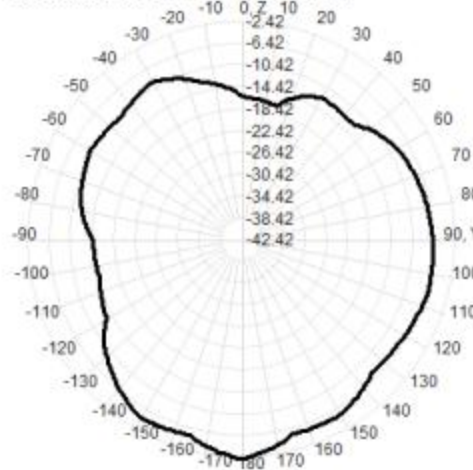
Back View



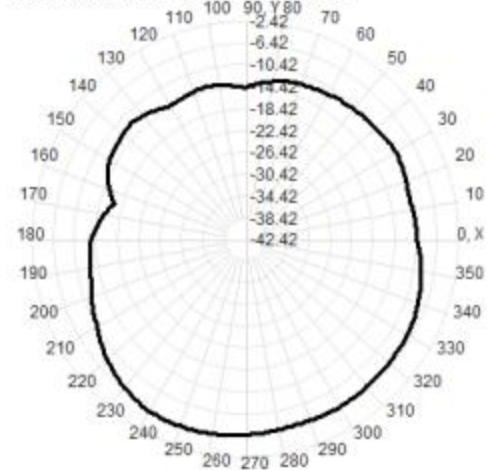
2500.0MHz Total(E1-XZ), Max=-5.95dBi



2500.0MHz Total(E2-YZ), Max=-2.42dBi



Total(H-XY), Max=-6.27dBi, CirD=10.84



Thanks for your comment!

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District, Shenzhen