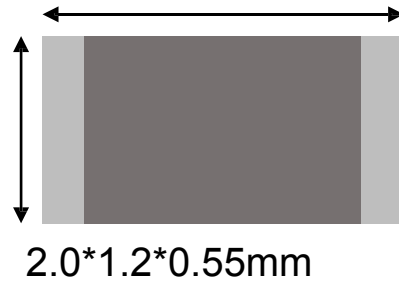


Air Antenna Test Report

Customer	健云互联
Project	Air
Antenna BAND	BT
Product Description	2012-X5
Product No	V1.0

Product Overview & Dimension



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

Content

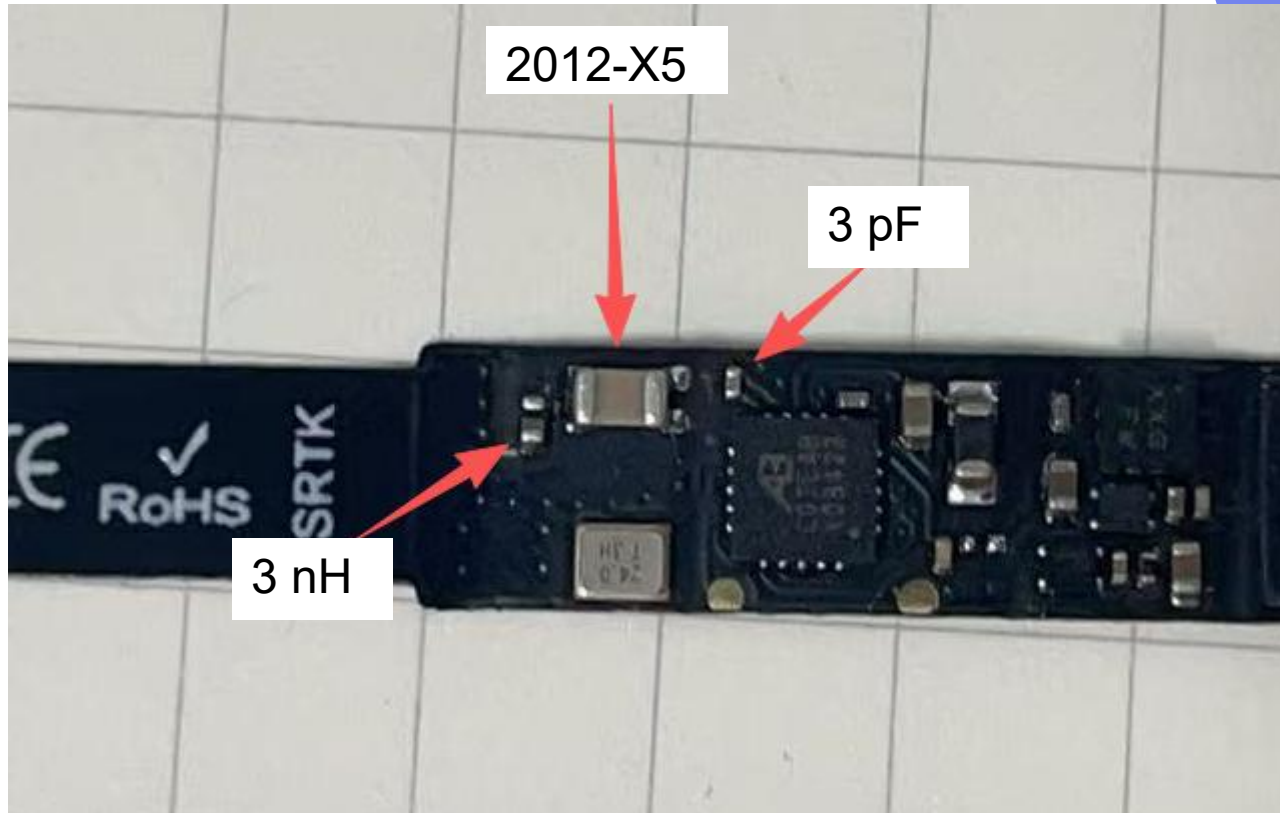
1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 S11 Parameter
 - 4.2 Gain & Efficiency
 - 4.3 Test coordinate
 - 4.4 2D Pattern
 - 4.5 OTA Data
 - 4.6 BT Boot measured
5. Antenna Assembly & environmental processing

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



Match network parameters



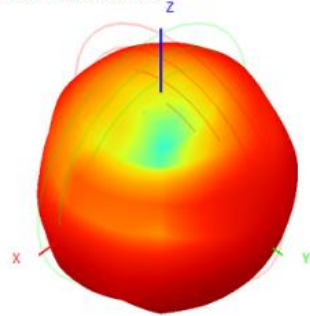
S11



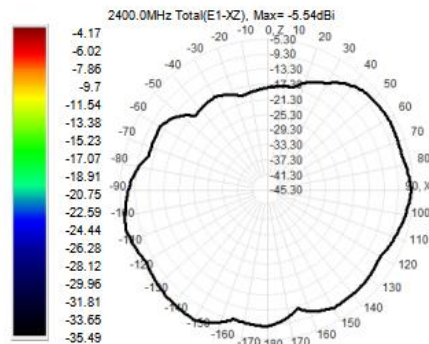
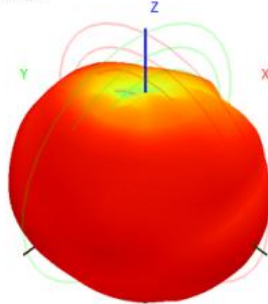
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	-4.17	-4.71	-4.12	-4.58	-4.01	-4.12	-3.28	-3.16	-3.03	-3.86	-3.94
Efficiency (%)	7.81	6.59	9.47	7.46	9.10	8.67	10.51	9.93	10.22	7.30	7.01

3D Pattern

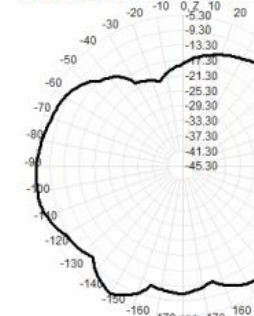
2400.0MHz Total, Eff: 7.8%



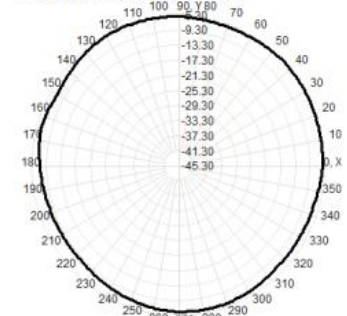
Back View



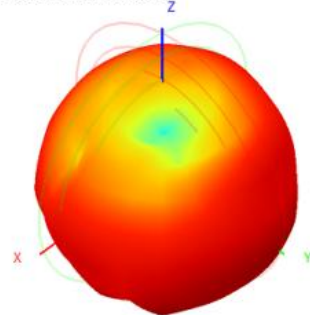
2400.0MHz Total(E2-YZ), Max=-5.30dBi



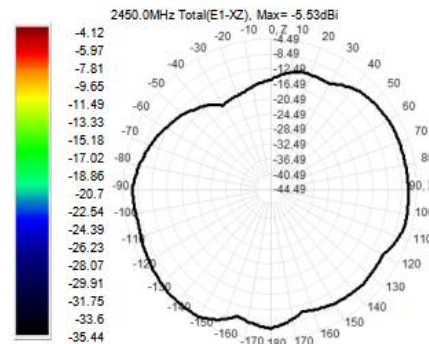
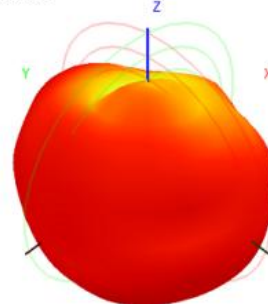
Total(H-XY), Max=-5.45dBi, CirD=3.47



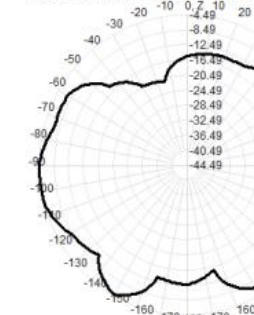
2450.0MHz Total, Eff: 8.7%



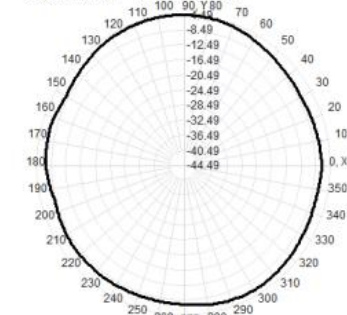
Back View



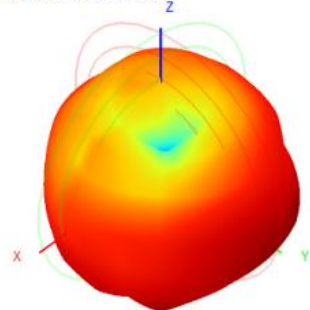
2450.0MHz Total(E2-YZ), Max=-4.49dBi



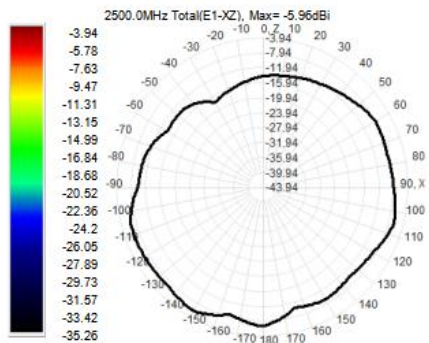
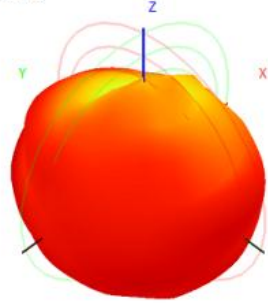
Total(H-XY), Max=-4.49dBi, CirD=3.87



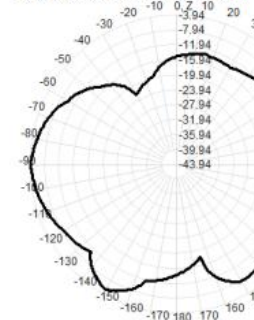
2500.0MHz Total, Eff: 7.0%



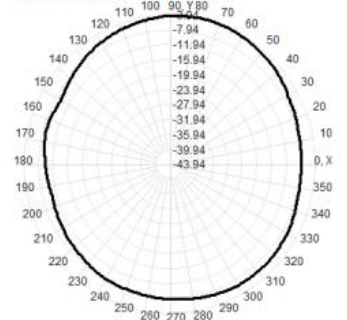
Back View

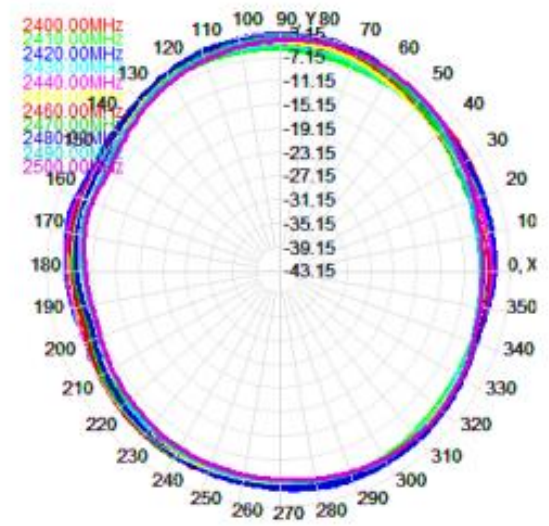
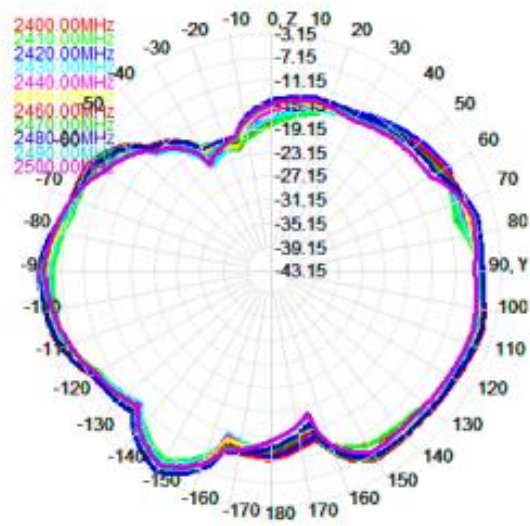
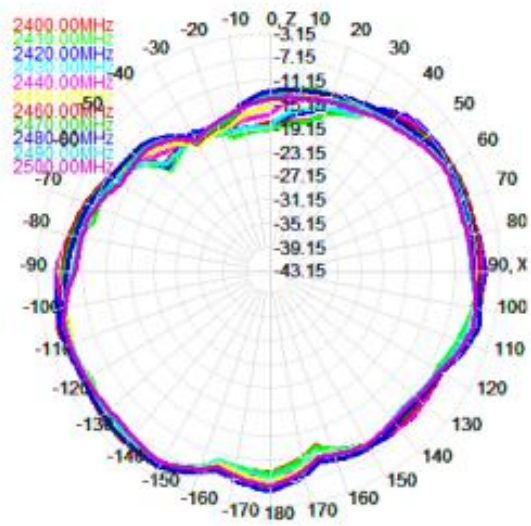


2500.0MHz Total(E2-YZ), Max=-4.22dBi



Total(H-XY), Max=-3.94dBi, CirD=6.74





Thanks for your comment!

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- ✧ **HZL:18927402110**