

Purpose

This report is to measure the performance of BT antenna for H01. The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

Content

Product Overview & Dimension

Test system

Antenna Matching Network

Test Result

4.1 S11 Parameter

4.2 Test coordinate

4.3 2D Pattern

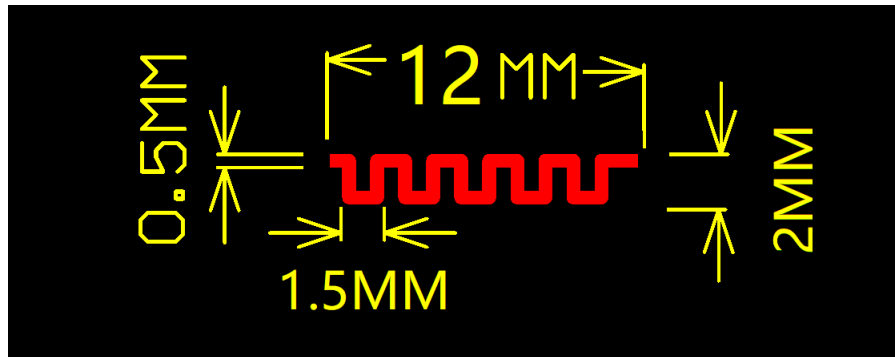
4.4 OTA Data

4.5 BT Boot measured

Antenna Assembly & environmental processing

Antenna Specification

a. Antenna Size



b. Manufacturer

Shenzhen Simplygenius Electronic Technology Co.,Ltd

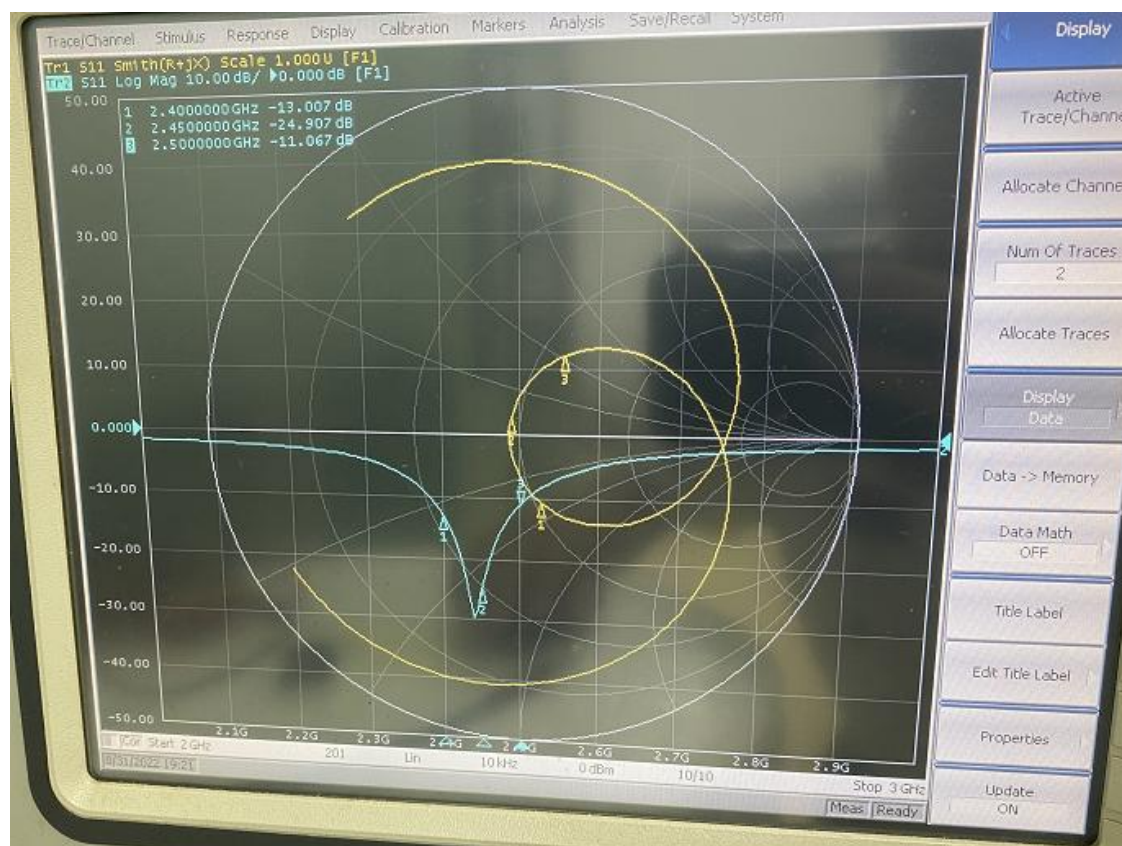
Address: 331-332, Chuangke Building, 72-6
Huanguan South Rd., Guanhu Street, Longhua
district, shenzhen, China

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

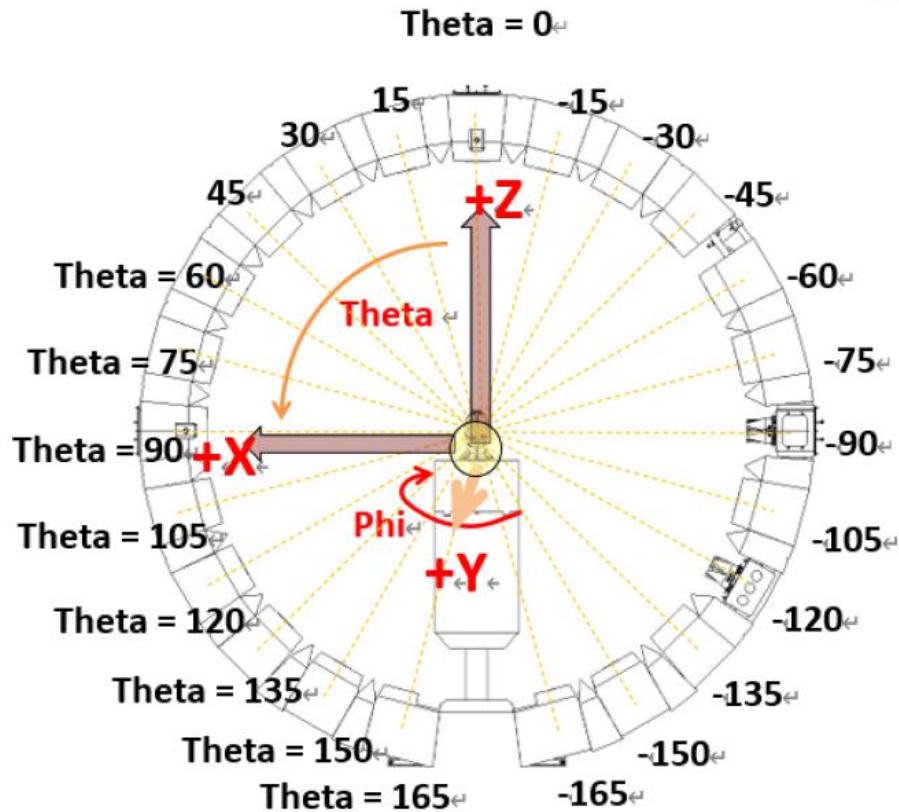


无源S11—(BT ANT)



Test Result

Sample status & coordinates



Test Result

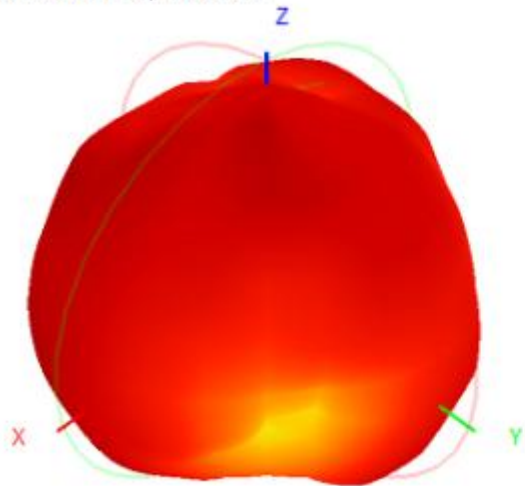
Gain & Efficiency—**BT- ANT(L/R)**

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	25.25	-1.57
2410	26.57	-1.06
2420	26.52	-1.09
2430	29.04	-0.67
2440	29.29	-0.66
2450	29.57	-0.57
2460	29.96	-0.42
2470	30.62	-0.63
2480	29.30	-0.83
2490	28.31	-0.83
2500	28.01	-0.64

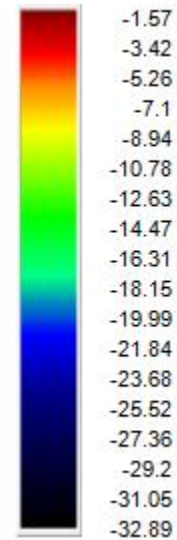
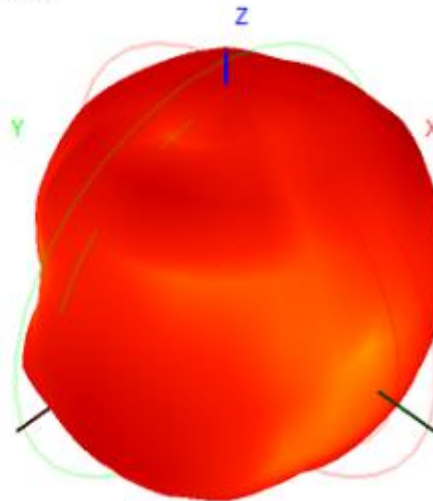
Test Result

2D&3D — **BT- ANT**

2400.0MHz H+V, Eff: 25.2%



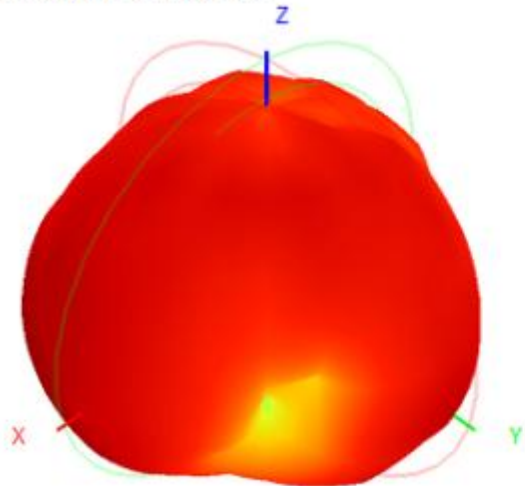
Back View



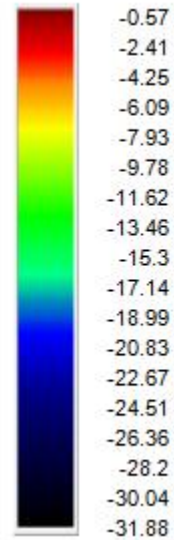
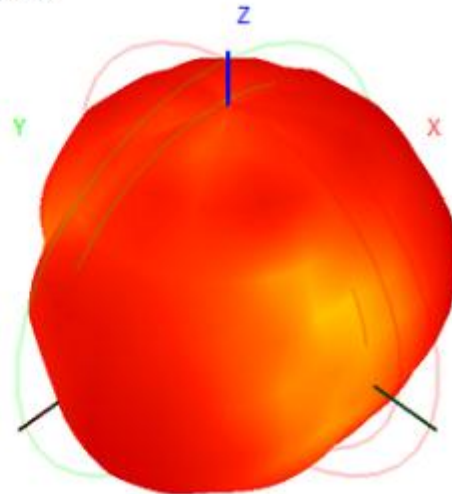
Test Result

2D&3D — **BT- ANT**

2450.0MHz H+V, Eff: 29.6%



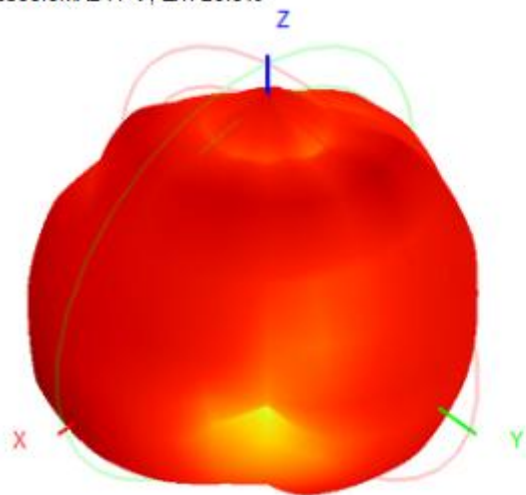
Back View



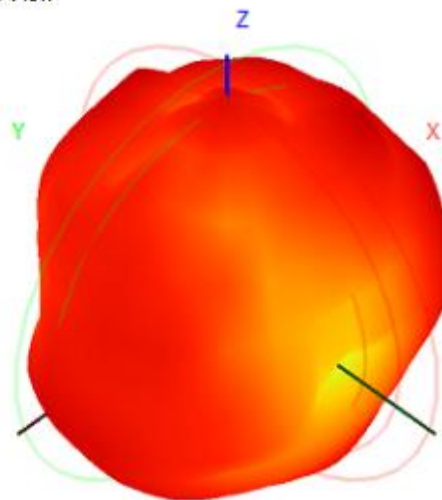
Test Result

2D&3D—**BT- ANT**

2500.0MHz H+V, Eff: 28.0%



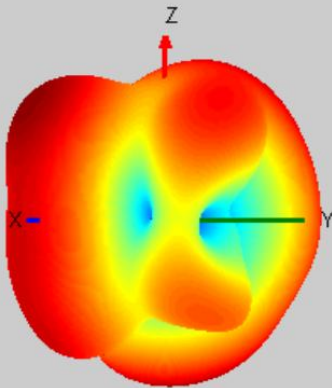
Back View



OTA DATA(--自由空间

Test Equipment:	R&S CMW500			
Test Condition:	3D chamber			
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
BT		0	-1.20	-81.76
		39	-0.83	-81.35
		78	-0.36	-81.09

(L)



(R)

