

Antenna Test Report

Customer	新联芯
Project	263
Antenna Revision	V1
Product Description	PCB
Product No	V.0
DATE	2024.3.5

Purpose

This report is to measure the performance of BT antenna for 263. The antenna operating frequency at 2.4~2.5GHz, All test data are showed as below.

Content

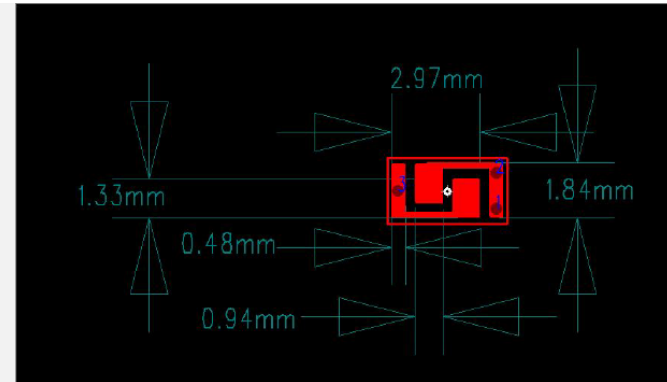
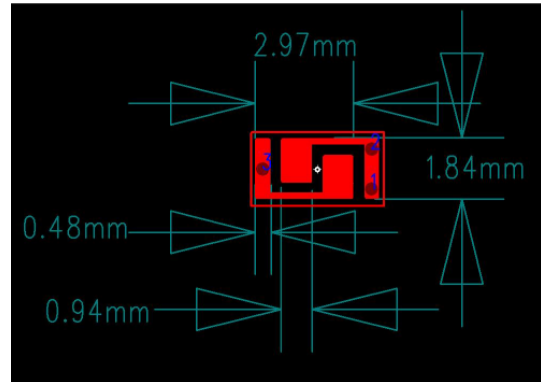
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2. Test System

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

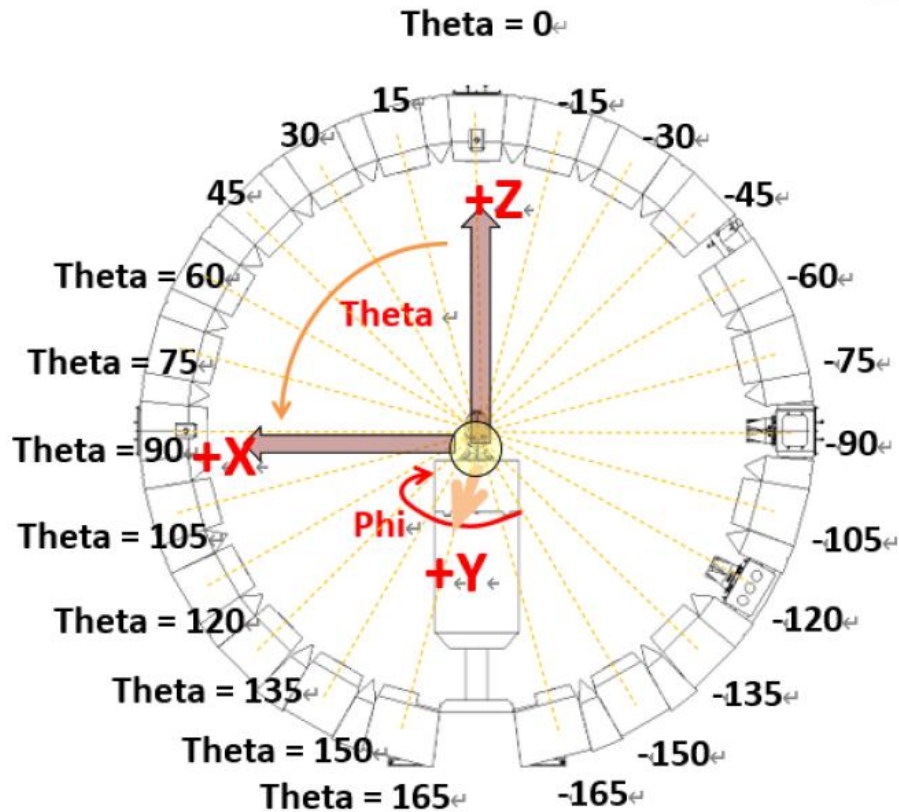


Product Overview & Dimension

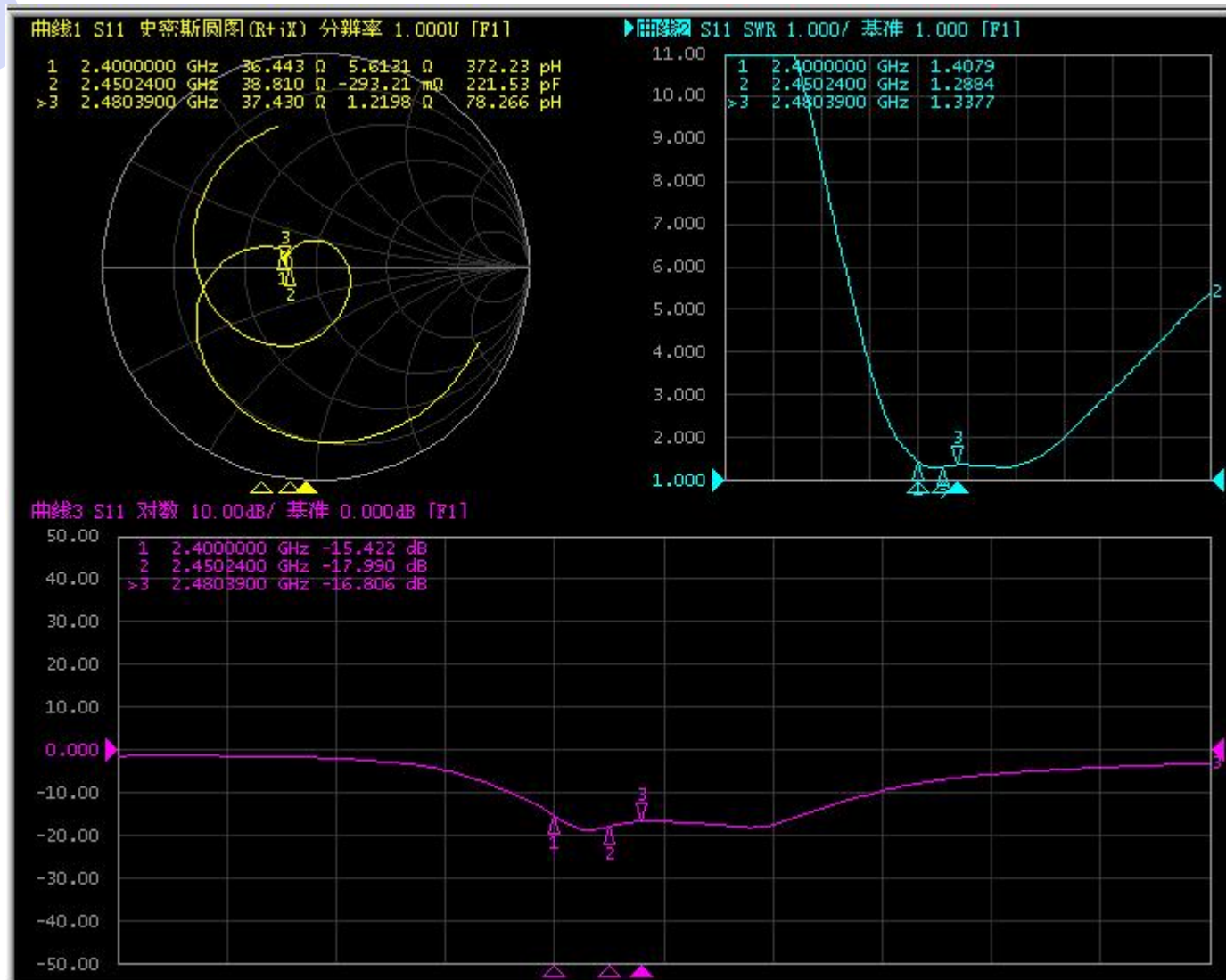


Test Result

Sample status & coordinates



无源S11—(BT ANT)-



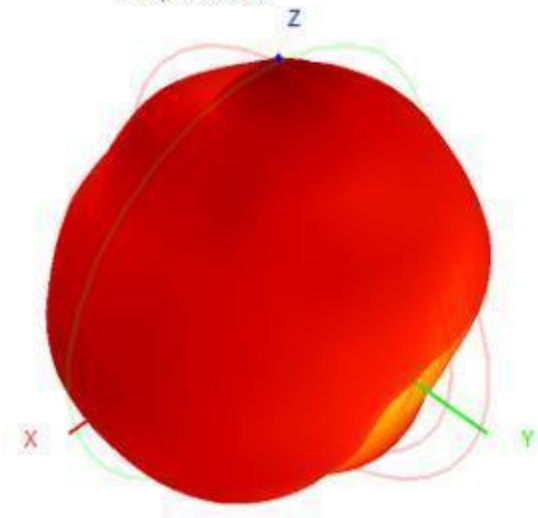
Test Result

Gain & Efficiency—**BT- ANT**

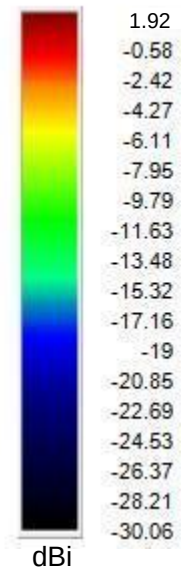
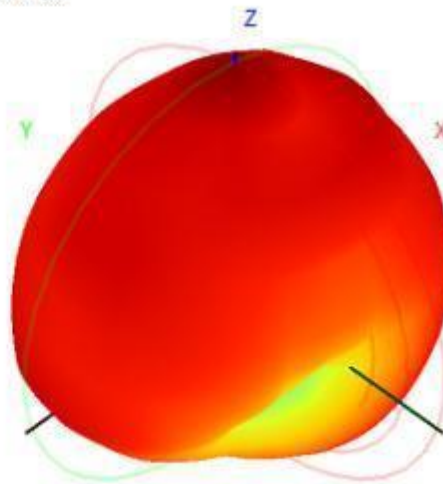
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	31.87	1.08
2410	34.61	0.88
2420	37.32	0.59
2430	41.67	0.38
2440	43.92	0.47
2450	45.37	1.26
2460	45.91	1.92
2470	44.45	1.11
2480	41.49	1.34
2490	39.18	1.78
2500	36.41	1.38

Test Result

2460MHz H+V, Eff: 45.4%



Back View



OTA DATA--自由空间

Test Equipment:	-6R&S CMW500			
Test Condition:				
Band	Wireless Protocol	Channel	TRP(dBm)	TIS(dBm)
BT		0	3.85	-88.52
		39	4.63	-87.49
		78	5.02	-86.93

Thanks for your comment!

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