



深圳市星源创科技有限公司

SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

天线测试报告

Antenna Test Report

TC: 领拓

MN: BL-S3

RF: 戴进平

MD: 黄清清

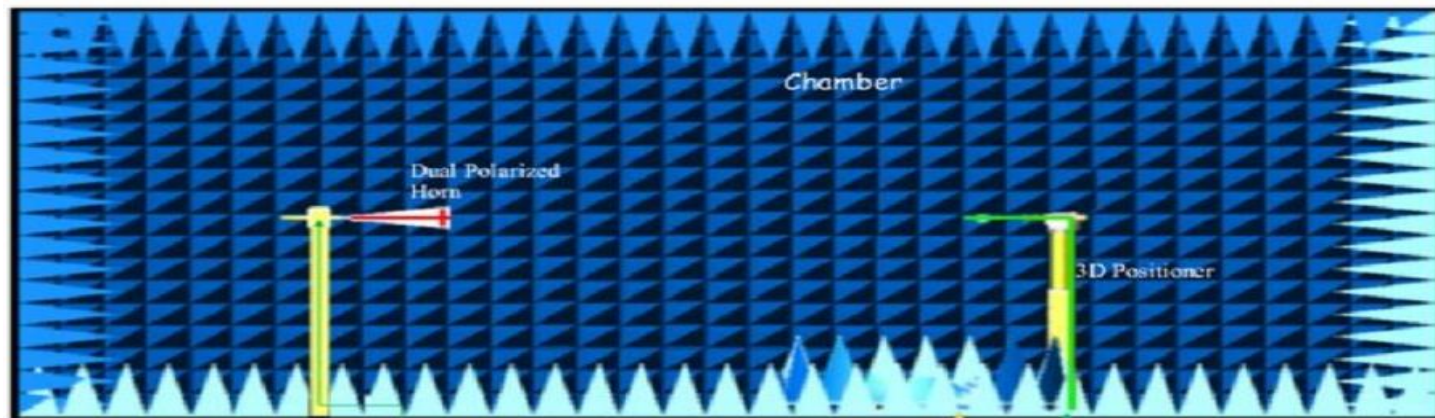
MP: 19918388579

Date: 2025. 02. 17.

REV :V1. 0

WIFI ANT Test information		
Frequency	2. 4G (2402~2483) Mhz	5G (5150~5850) Mhz
Module information		
Driver version information		

OTA Chamber Overview

0.1~12.5Ghz
RF Switch BoxWireless
Communications
Test Set 1Wireless
Communications
Test Set 2Network
Analyzer

Standard	
Passive	Agilent HP8753/E5062/E5071
GSM	Agilent 8960
CDMA2000	Agilent 8960
WCDMA	Agilent 8960
TDSCDMA	Agilent 8960
LTE	RS CMW500
BT	RS CMU500/200
WIFI	Agilent N4010

RF Link

GPIB Link

Optical Link

Serial Link

天线位置
Antenna position



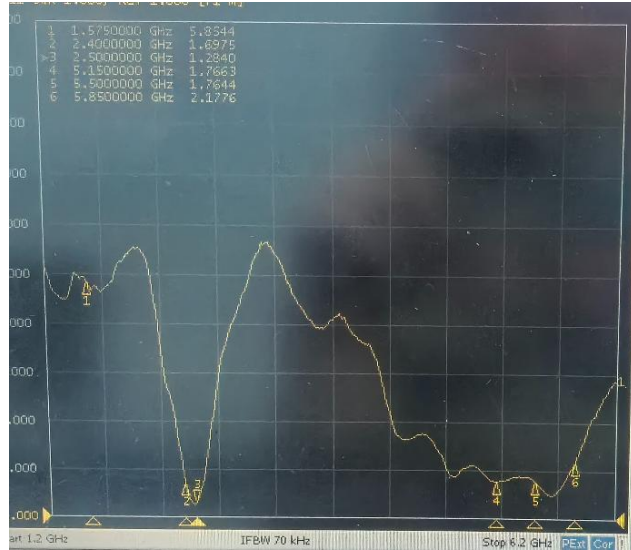
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无源测试数据 Passive test data

ANT1 S11-VSWR&Return Loss



Frequency (MHZ)	2400	2450	2483	5150	5500	5850
VSWR	1.69		1.28			
Return Loss (DB)	-11.74		-18.10			



ANTENNA

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无源测试数据

Passive test data

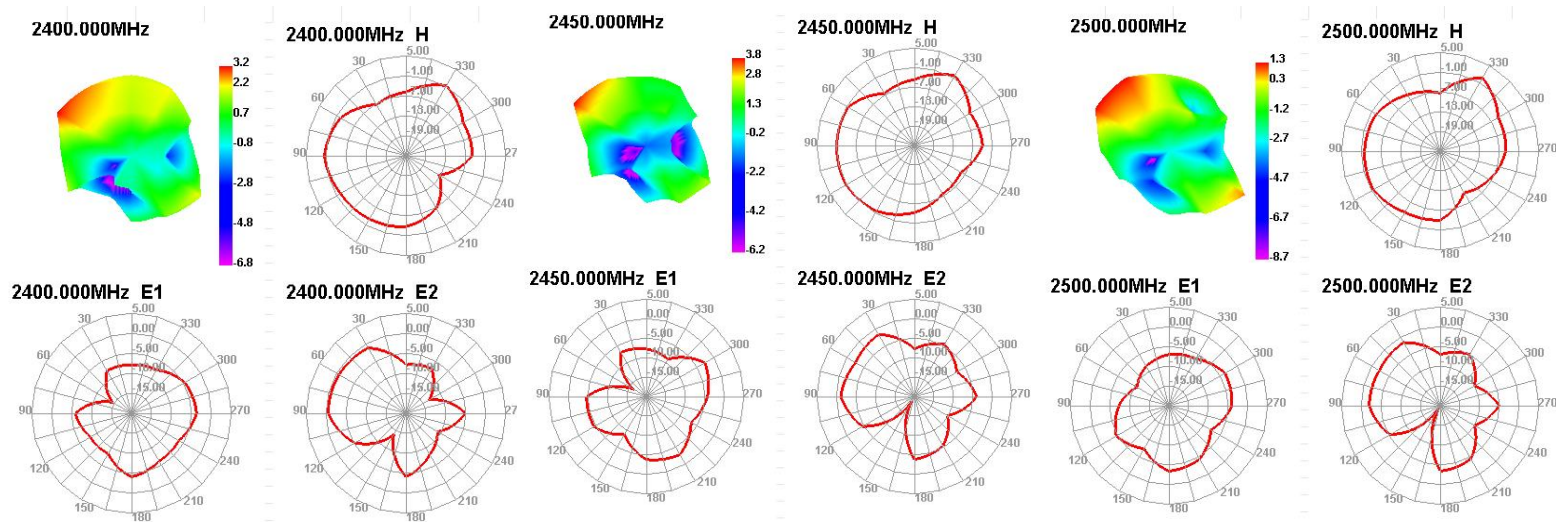
ANT1 GAIN&Efficiency-WIFI2.4G/BT

Passive Test For WIFI2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	41.24	-3.85	3.18	1.03	27.594	13.651	3.18	-27.1	7.03	120	45.78	46.01
2410	40.16	-3.96	3.01	0.86	27.307	12.85	3.01	-33.78	6.97	120	46.01	46.29
2420	43.02	-3.66	3.34	1.19	29.604	13.42	3.34	-23.38	7.01	30	45.73	46
2430	43.67	-3.6	3.57	1.42	30.058	13.609	3.57	-17.51	7.16	30	46.01	46.36
2440	43.77	-3.59	3.7	1.55	29.689	14.086	3.7	-18.4	7.29	30	46.12	46.48
2450	45.36	-3.43	3.83	1.68	29.953	15.407	3.83	-18.51	7.26	30	46.12	46.54
2460	45.94	-3.38	3.65	1.5	29.668	16.274	3.65	-17.77	7.03	30	46.14	46.52
2470	43.09	-3.66	2.94	0.79	27.594	15.491	2.94	-18.25	6.6	30	46.4	46.8
2480	43.75	-3.59	2.65	0.5	27.817	15.935	2.65	-18.83	6.24	30	46.26	46.64
2490	45.93	-3.38	2.5	0.35	28.85	17.076	2.5	-19.04	5.87	30	46.51	46.91
2500	37.48	-4.26	1.26	-0.89	23.481	13.997	1.26	-20.03	5.52	30	46.47	46.86



无源测试数据 Passive test data

ANT1 Direction of figure (2.4/BT)



合作共赢

