



SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

Antenna data sheet

Antenna Name: Ceramic antenna

Antenna Model: V1193F

Peak Gian: -0.27dBi

Manufacturer : SHENZHEN Xingyuanchuang TECHNOLOGY CO., LTD

Address : Room 1506, Tangwei Shareholding Business Building, Tangwei Community,
Fuhai Sub-district, Bao 'an District, Shenzhen City, China

Date: 2025. 4. 14.
REV :V1. 0



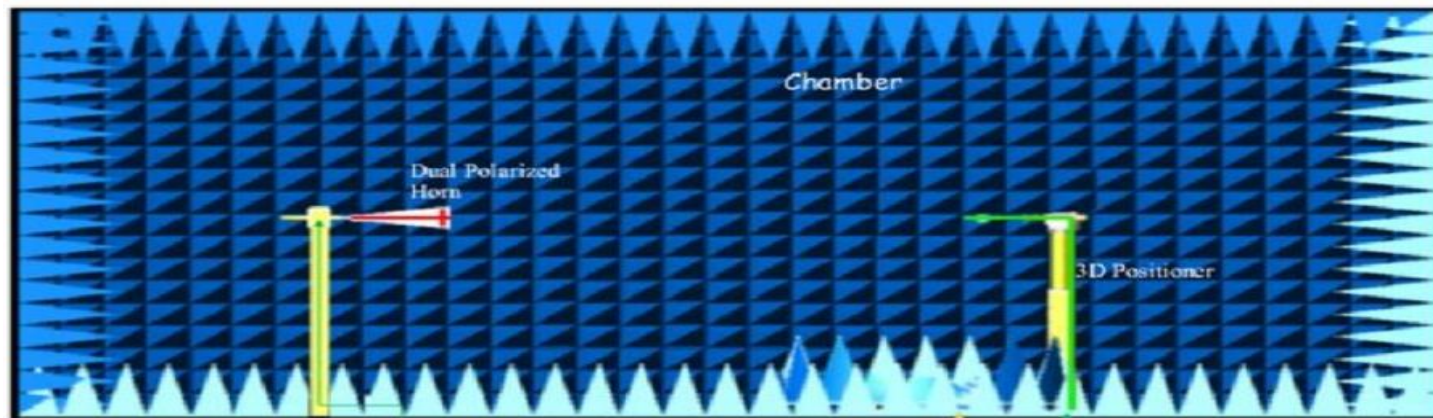
ANTENNA

SHENZHEN Xingyuanchuang TECHNOLOGY CO.,LTD

Test information

Antenna band		Antenna state	Antenna form	Matchc hanges	Note
Main ANT	2G	FPC	PIFA	NO	
	3G				
	4G				
AUX ANT	BT/WIFI	2.4G	FPC	PIFA	NO
	GPS		FPC	PIFA	NO
	DIV		FPC	PIFA	NO

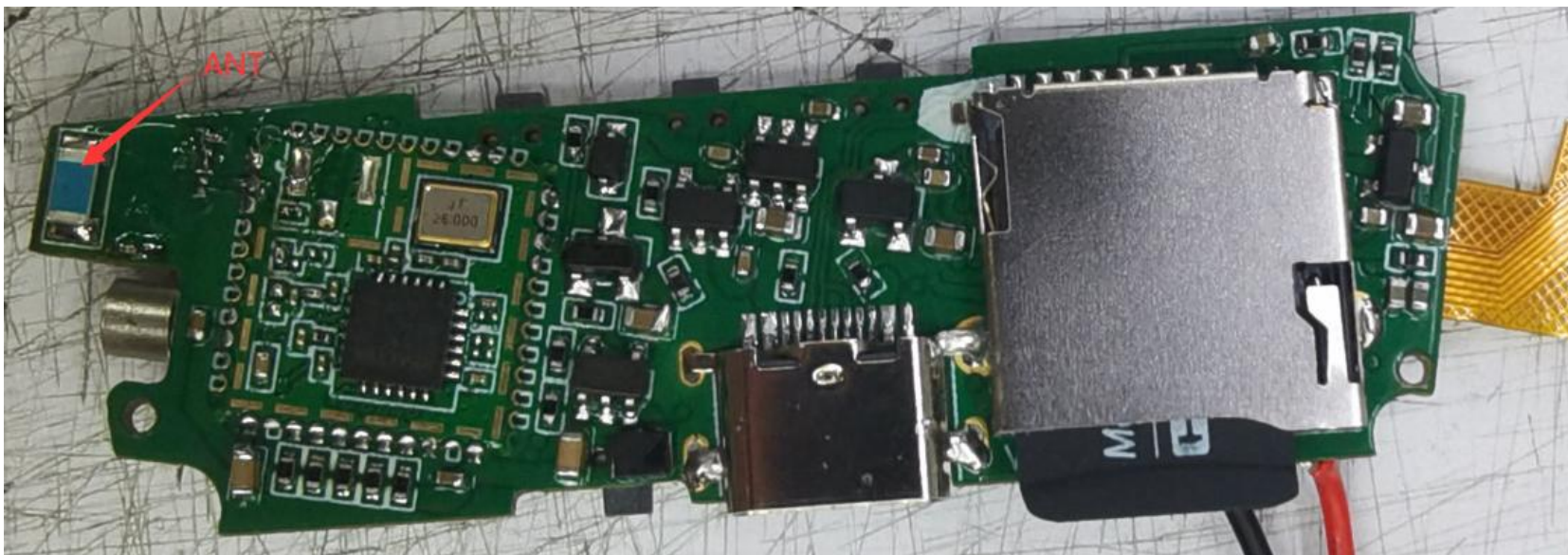
OTA Chamber Overview

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



Antenna position

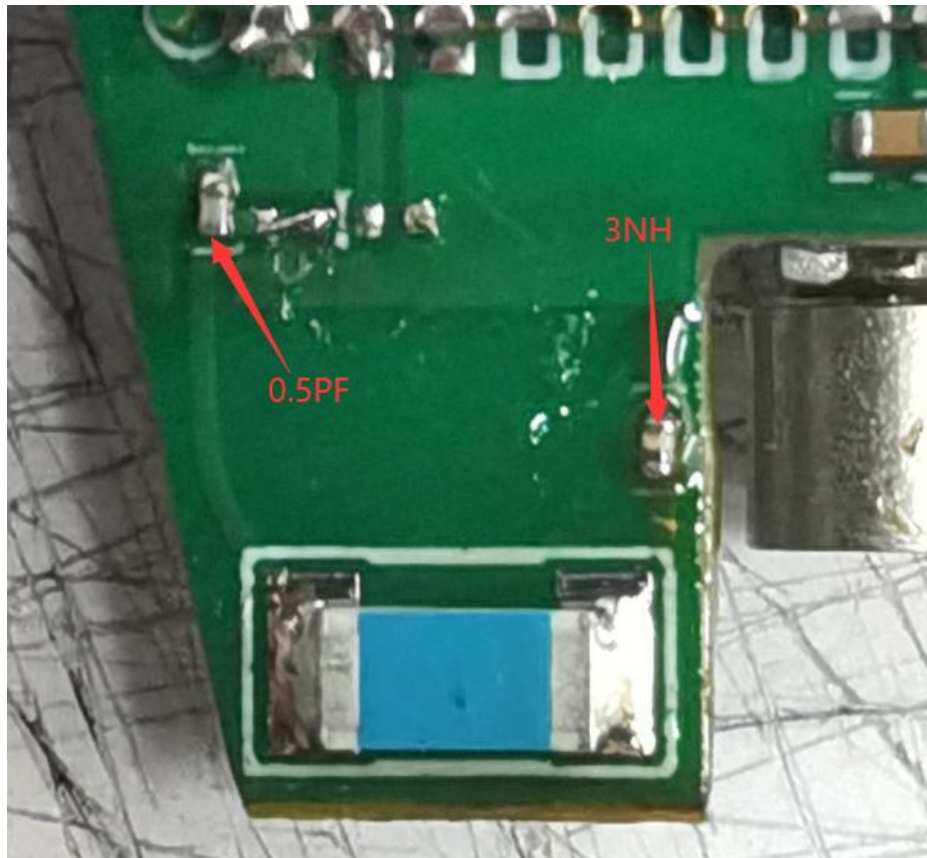




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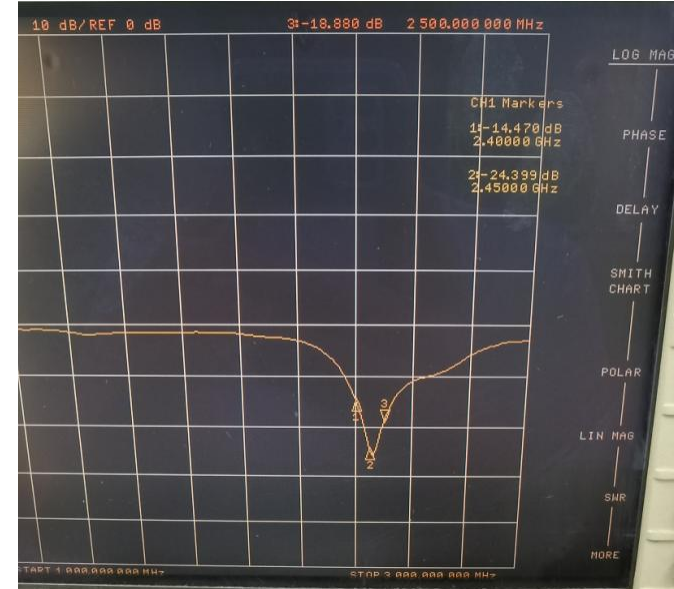
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Matching circuit



ANT1 S11-VSWR&Return Loss

Passive test data



Frequency (MHZ)	2400	2450	2500
VSWR	1.46	1.12	1.25
Return Loss (DB)	-14.47	-24.39	-18.88

ANT1 GAIN&Efficiency-WIFI2.4G/BT

Passive test data

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	14.5	-8.39	-1.47	-3.62	5.936	8.568	-1.47	-15.9	6.92	150	45.54	45.77
2410	14.86	-8.28	-0.97	-3.12	5.982	8.882	-0.97	-17.71	7.31	90	45.8	46.08
2420	15.97	-7.97	-0.39	-2.54	6.334	9.641	-0.39	-19.12	7.58	60	45.39	45.66
2430	15.72	-8.03	-0.27	-2.42	6.174	9.55	-0.27	-19.47	7.76	30	45.5	45.85
2440	15.48	-8.1	-0.34	-2.49	6.053	9.432	-0.34	-17.98	7.76	30	45.59	45.95
2450	15.91	-7.98	-0.39	-2.54	6.169	9.739	-0.39	-17.21	7.59	30	45.67	46.09
2460	16.89	-7.72	-0.59	-2.74	6.478	10.414	-0.59	-16.56	7.14	60	45.65	46.03
2470	16.54	-7.82	-1.29	-3.44	6.284	10.252	-1.29	-17.23	6.53	60	45.95	46.35
2480	16.91	-7.72	-1.69	-3.84	6.392	10.516	-1.69	-18.13	6.03	60	45.85	46.23
2490	17.62	-7.54	-2.04	-4.19	6.631	10.985	-2.04	-18.8	5.5	60	46.14	46.54
2500	17.59	-7.55	-2.54	-4.69	6.625	10.966	-2.54	-19.1	5	60	46.08	46.47

Passive test data

ANT1 Direction of figure (2.4/BT)

