



Shenzhen Shundacheng Technology Co., Ltd.

顺达成科技

Antenna Test Report



HN-DPF1030

2025-10-13



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1. Test system

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW2 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C

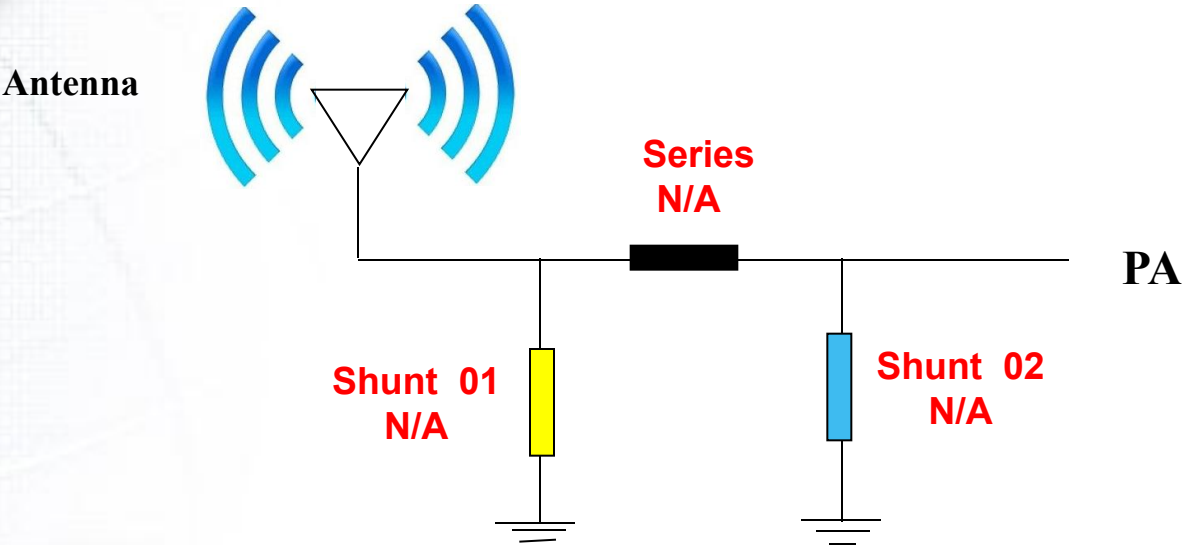




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2. Antenna Matching Network



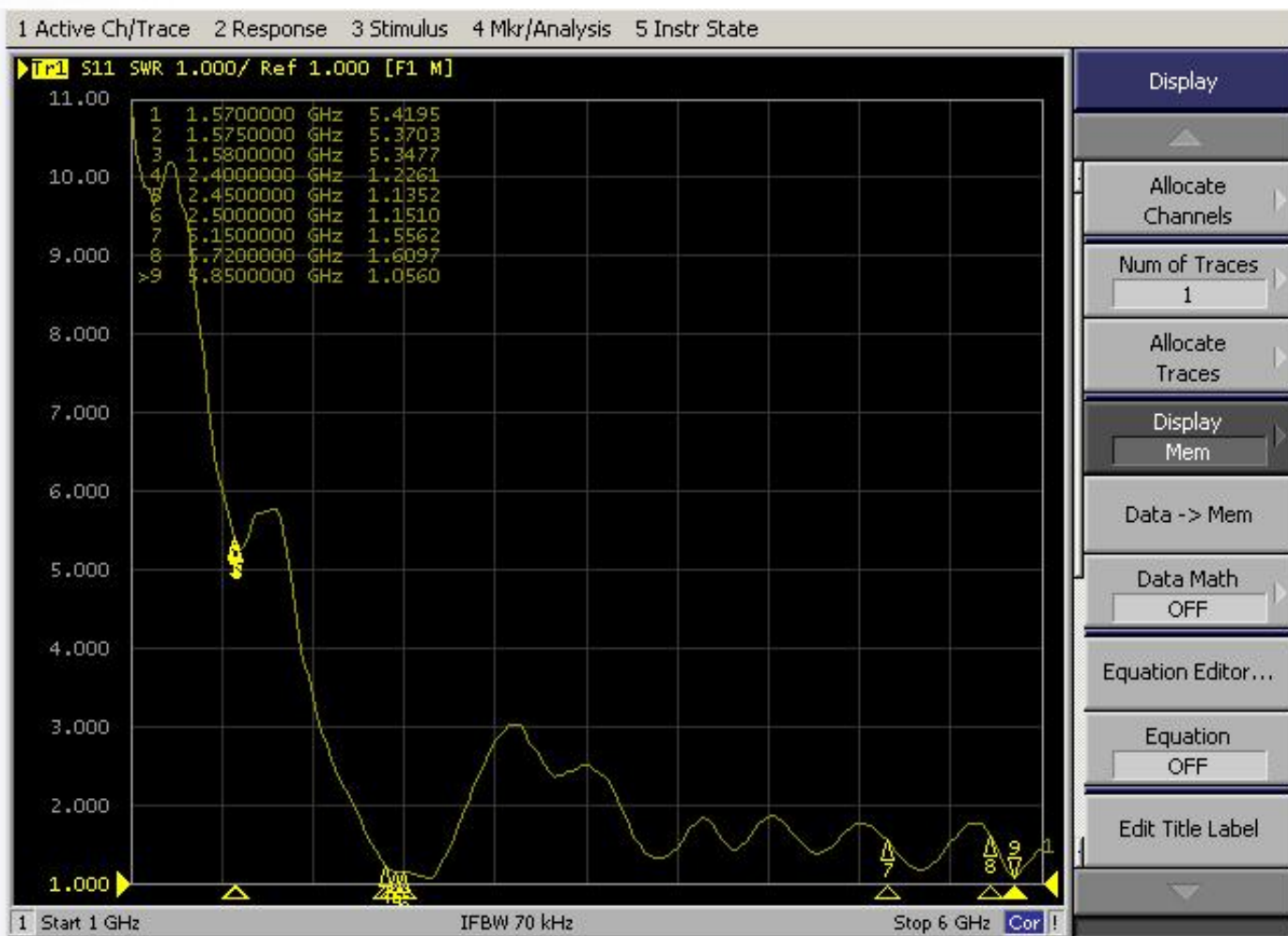
Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

未改动主板
匹配电路



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S11 Parameter-SWR





1	2	3	4	5	6	7	8	
					版次	变更内容	设计	日期
					A0		李瑶娜	2025.09.27

Technical drawing of a cable assembly. The drawing shows a cable (2) connected to a printed circuit board (FPC, 1). The cable has a length dimension of 270 ± 2 . The FPC has a width dimension of 48.68 ± 0.2 and a thickness dimension of 7.9 ± 0.2 . A callout '手撕位' (tear-off position) points to a specific location on the FPC. The FPC is labeled 'SDC F543A WF'. A circular callout '1' points to the FPC, and a circular callout '2' points to the cable.

NO	DESCRIPTION	QTY
2	Cable $\phi 1.13$ Cable Grey, 50 Ω	120
1	FPC-黑油黑字 半对半基材, 做抗氧化处理 3M 9471背胶	1

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SHEN DA CHENG TECHNOLOGY CO., LTD

XXX.	± 10.0	名称	WF天线	客户型号	HN-DPPF1030
XX. <th>± 5.0</th> <td>设计</td> <td>李瑶娜</td> <td>成品料号</td> <td>WF714B-A120L-A</td>	± 5.0	设计	李瑶娜	成品料号	WF714B-A120L-A
X. <th>± 2.0</th> <td>审核</td> <td></td> <td>比例</td> <td>版次</td>	± 2.0	审核		比例	版次
X X <th>± 0.5</th> <td>批准</td> <td></td> <td>单位</td> <td>视图</td>	± 0.5	批准		单位	视图
X.XX <th>± 0.2</th> <td></td> <td></td> <td>变更标记</td> <td>页码</td>	± 0.2			变更标记	页码
				FREE	mm

1	2	3	4	5	6	7	8
					比例	版次	单位
					视图	变更标记	页码
					1/1		

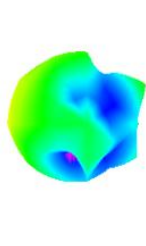


Gain & Efficiency

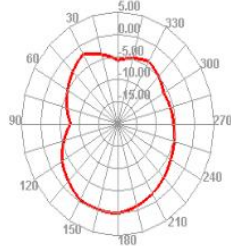
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Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	40.44	-3.52	1.32	-0.83	19.837	24.606	1.32	-13.8	4.85	90	47.77	47.82
2425	45.52	-3.32	1.55	-0.6	19.78	26.736	1.55	-13.5	4.87	90	48.06	48.12
2450	43.57	-2.79	1.8	-0.35	22.323	30.245	1.8	-11.73	4.59	60	48.56	48.53
2475	43.67	-2.87	1.69	-0.46	22.128	29.547	1.69	-10.93	4.56	60	48.46	48.26
2500	42.27	-2.73	2.07	-0.08	22.282	30.993	2.07	-11.56	4.81	60	48.42	48.12

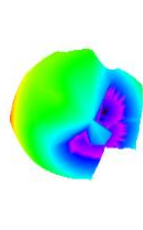
2400.000MHz



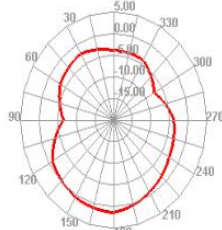
2400.000MHz H



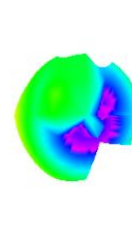
2450.000MHz



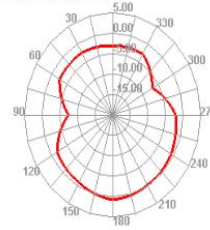
2450.000MHz H



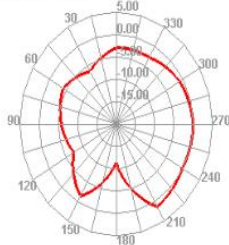
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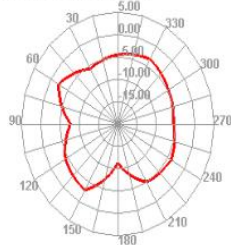
2500.000MHz H



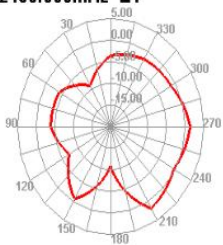
2400.000MHz E1



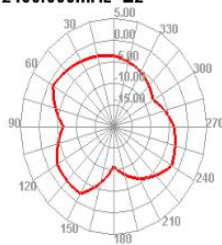
2400.000MHz E2



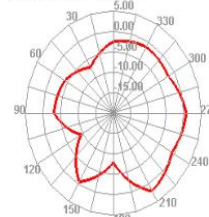
2450.000MHz E1



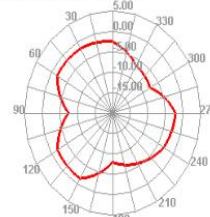
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2



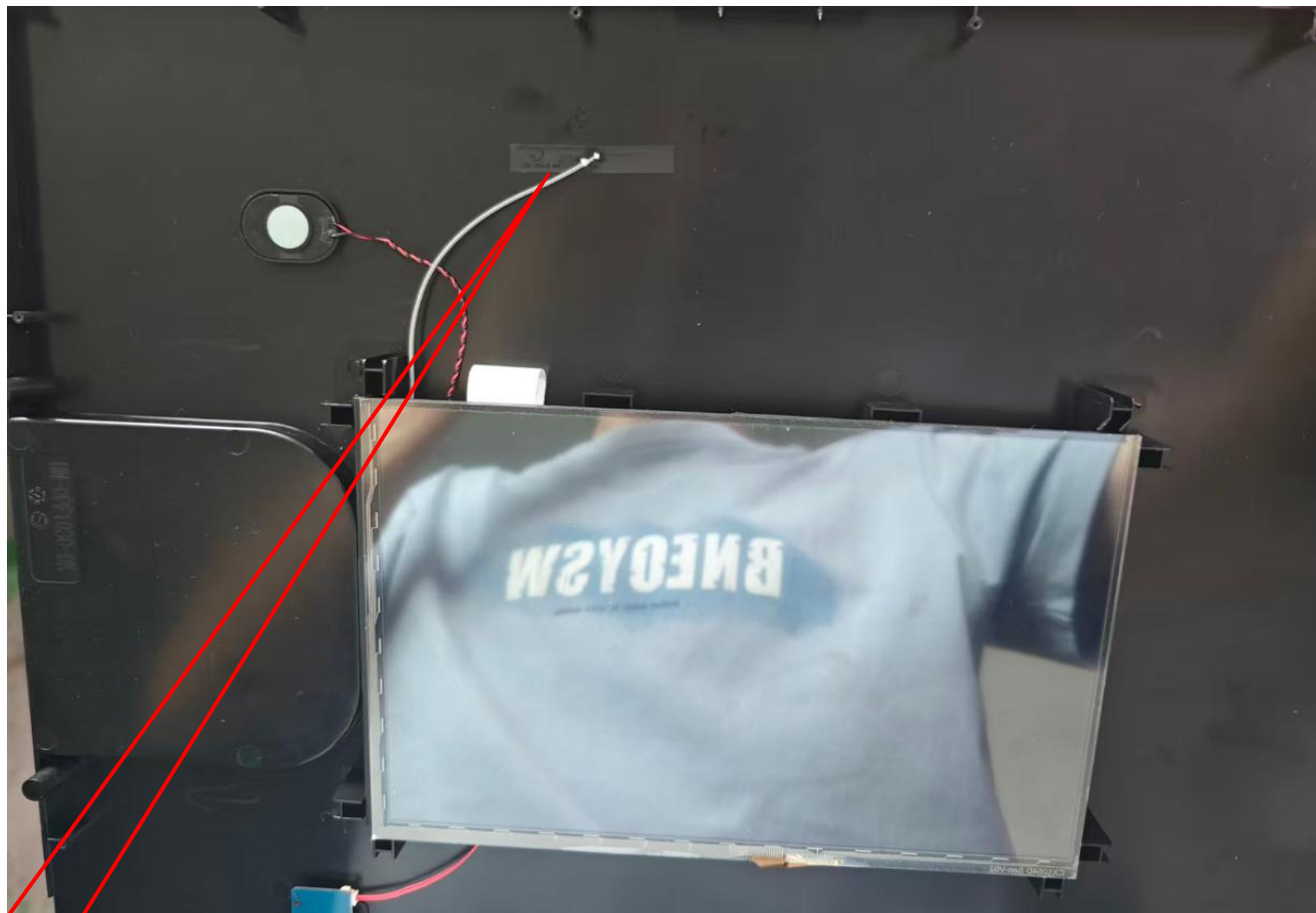


WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	13.27	13.59	13.40
TIS	-76.65	-76.71	-76.83



天线安装位置图





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顺达成感谢您的支持

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