



Shenzhen Shunchengda Technology Co., Ltd.

Shuncheng Technology

Antenna Test Report

Customer Name: HuiLian

Project name: **EW239**

Band: **BT**

edition : A

Date of production: **2026-2-26**



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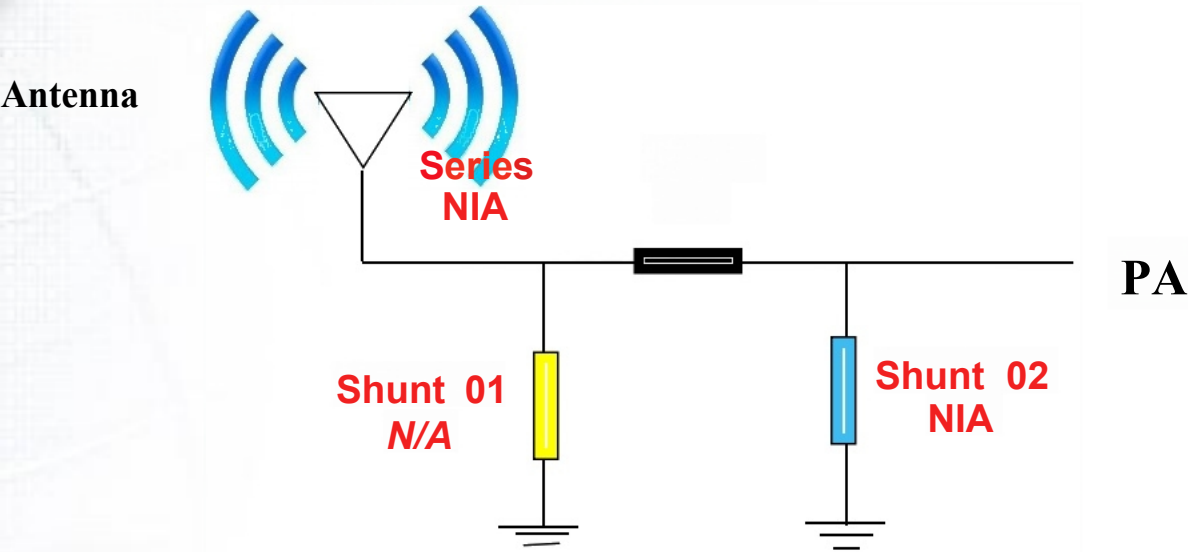
1. Test system

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





Shunda Technology 2.Antenna Matching Network

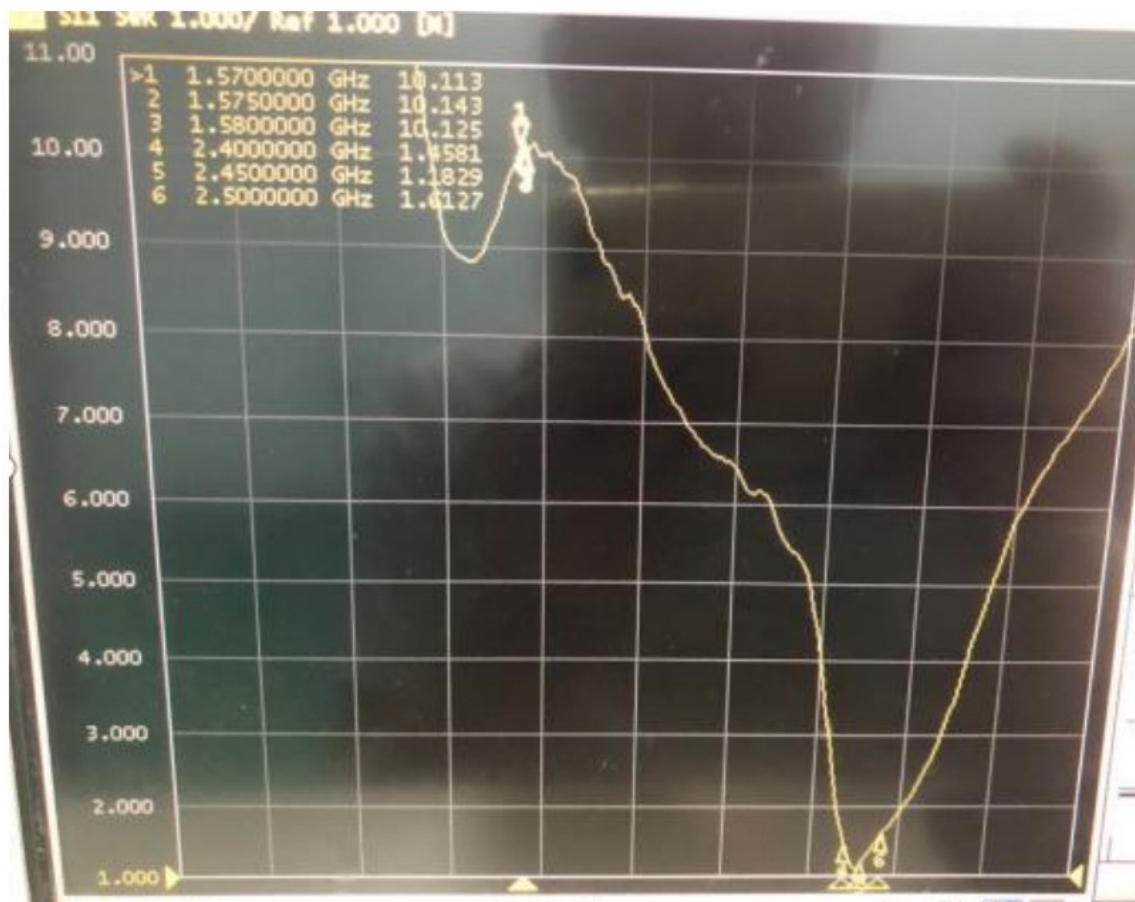


Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

Unmodified
Motherboard
Matching Circuit



S11 Parameter-VSWR



Frequency (MHz)	2400	2450	2500
VSWR	1.45	1.18	1.61

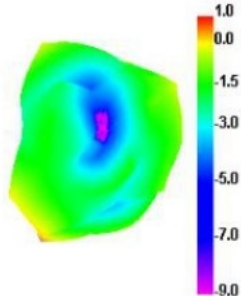


Gain & Efficiency

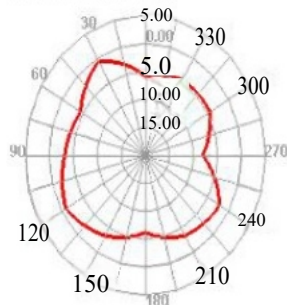
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Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (9%)	Max (dB)	Min (dB)	irectivit (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	43.54	-3.61	1.03	-1.12	20.581	22.962	1.03	-15.9	4.64	15	48.93	49.09
2425	45.48	-2.97	1.96	-0.19	23.926	26.555	1.96	-16.48	4.93	15	49.09	49.22
2450	36.53	-4.37	0.87	-1.28	17.136	19.397	0.87	-19.74	5.24	15	49.25	49.27
2475	35.97	-4.44	0.52	-1.63	17.205	18.763	0.52	-23.22	4.96	75	49.98	49.9
2500	36.94	-4.32	0.32	-1.83	17.676	19.267	0.32	-18.36	4.64	75	49.71	49.62

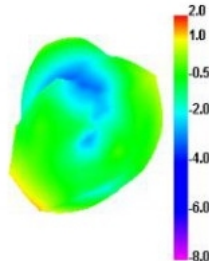
2400.000MHz



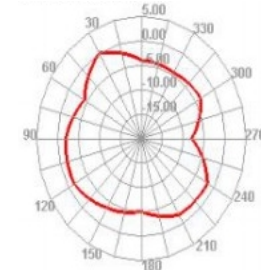
2400.000MHz H



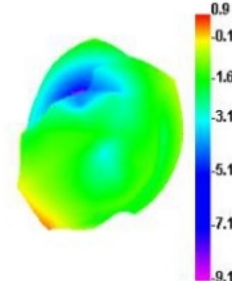
2425.000MHz



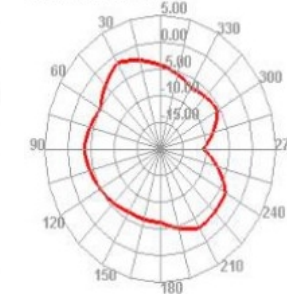
2425.000MHz H



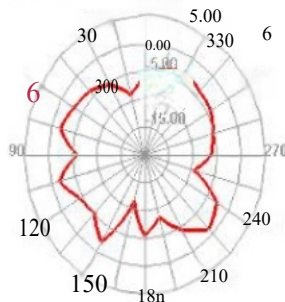
2450.000MHz



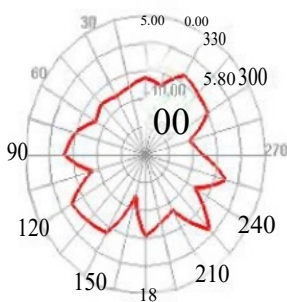
2450.000MHz H



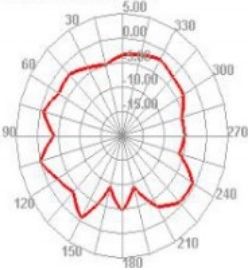
2400.000MHz E1



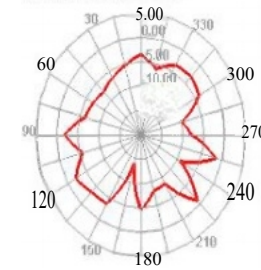
2400.000MHz E2



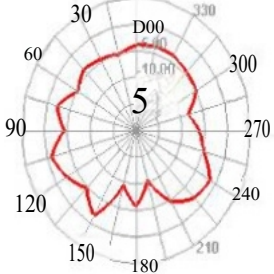
2425.000MHz E1



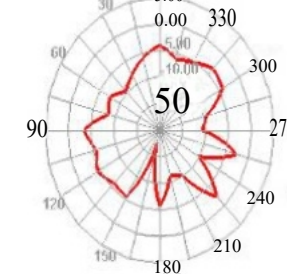
2425.000MHz E2



2450.000MHz E1



2450.000MHz E2

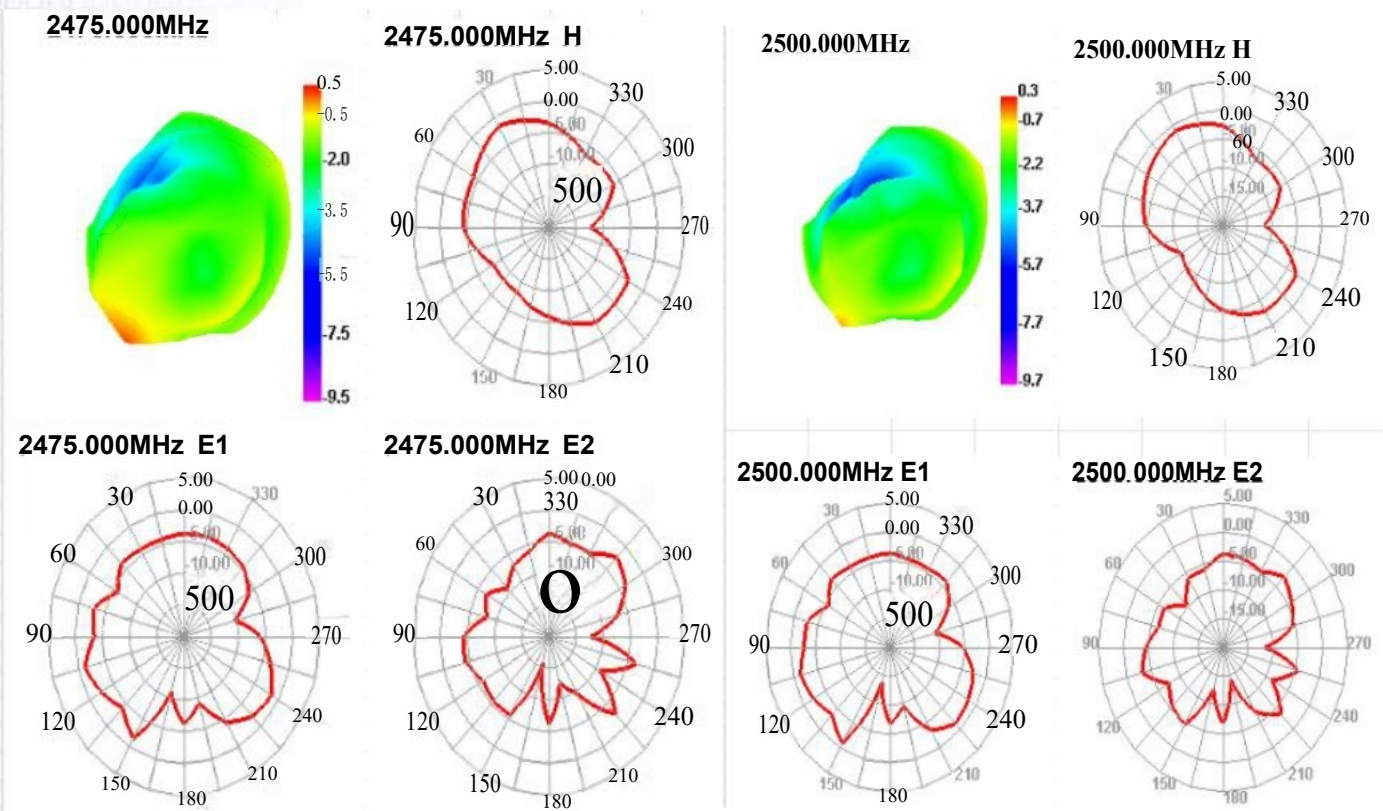




Gain & Efficiency

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Shuncheng Thanks You for Your Support

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