



Antenna Specifications



Model: 2.4GHz PCB ANT

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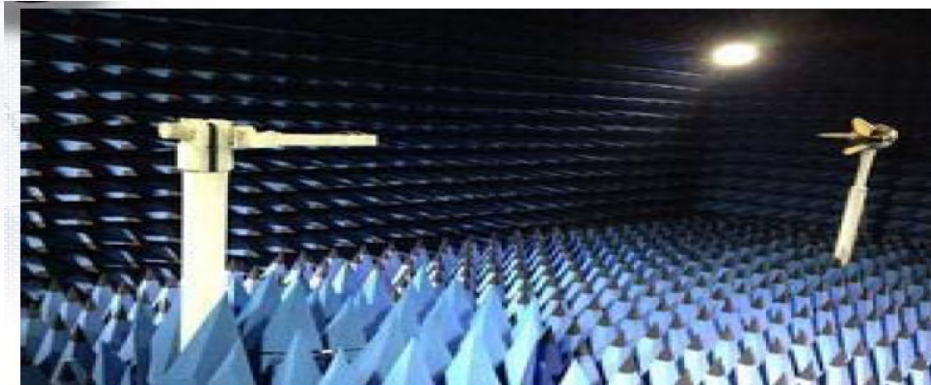


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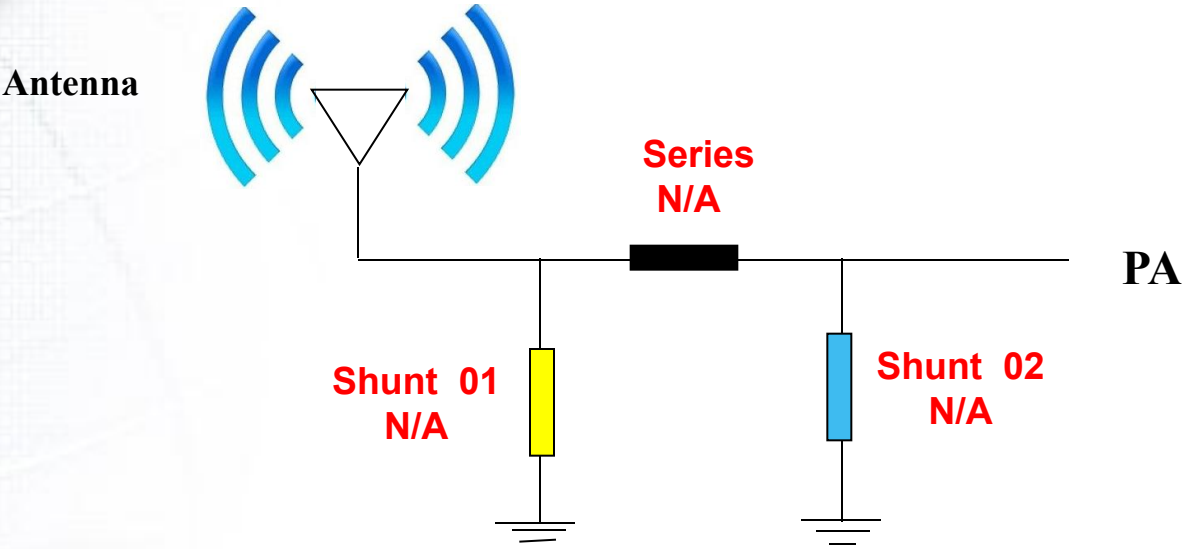
1. Test system

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



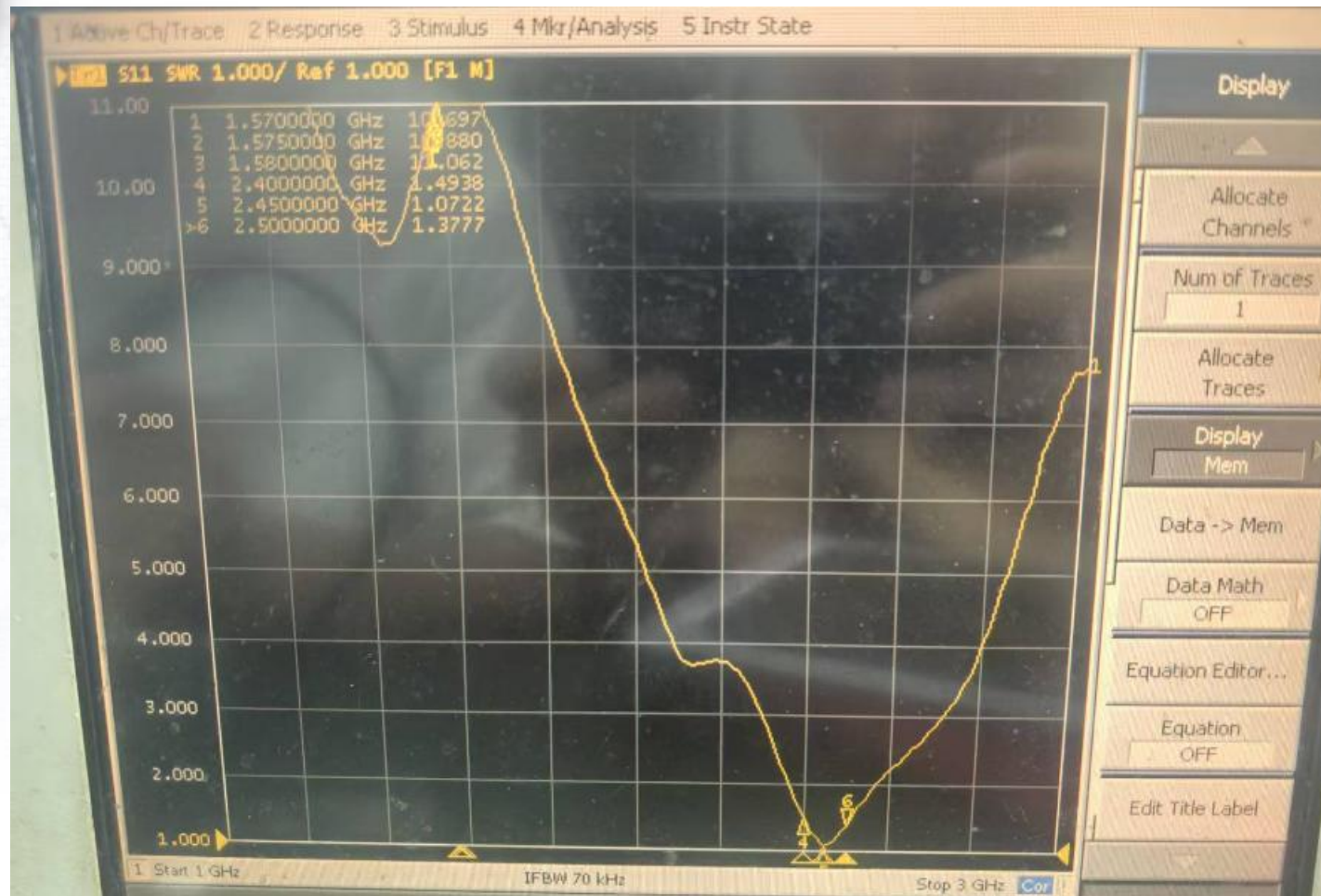


2. Antenna Matching Network



Location	Description	Vendor
Shunt 01	N/A	N/A
Series	0.3PF	N/A
Shunt 02	N/A	N/A

S11 Parameter-SWR

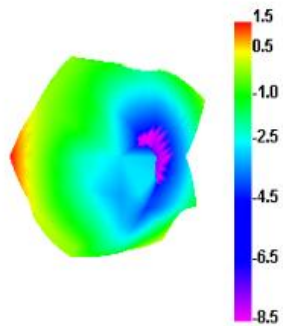


Frequency(MHz)	2400	2450	2500
VSWR	1.49	1.07	1.37

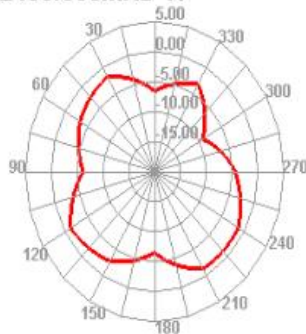
Gain & Efficiency

Passive Test For 2.4G												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHS (%)	Max (dB)	Min (dB)	irectivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	44.38	-3.53	1.5	-0.65	20.463	23.918	1.5	-16.51	5.03	0	47.77	47.82
2425	44.67	-3.5	1.38	-0.77	20.661	24.007	1.38	-18.13	4.88	0	48.06	48.12
2450	44.18	-3.55	1.42	-0.73	24.529	19.655	1.42	-14.65	4.97	0	48.56	48.53
2475	46.68	-3.31	1.45	-0.7	26.264	20.414	1.45	-12.27	4.76	0	48.46	48.26
2500	47.29	-3.25	1.58	-0.57	26.298	20.993	1.58	-10.6	4.83	0	48.42	48.12

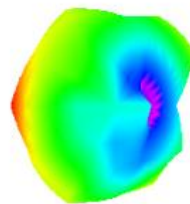
2400.000MHz



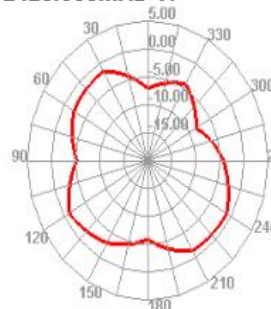
2400.000MHz H



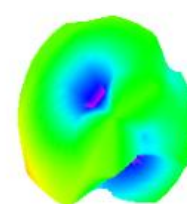
2425.000MHz



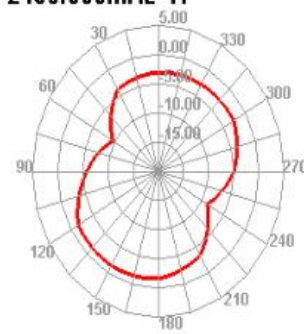
2425.000MHz H



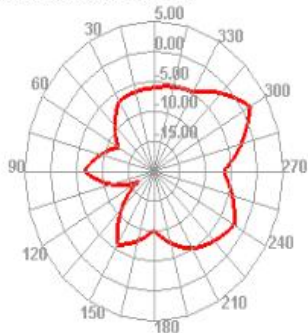
2450.000MHz



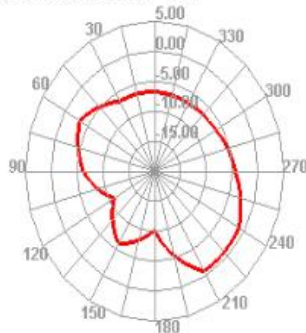
2450.000MHz H



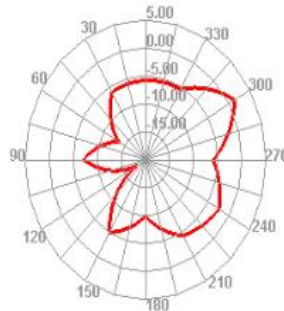
2400.000MHz E1



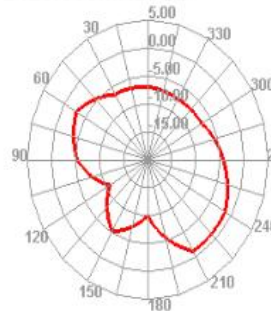
2400.000MHz E2



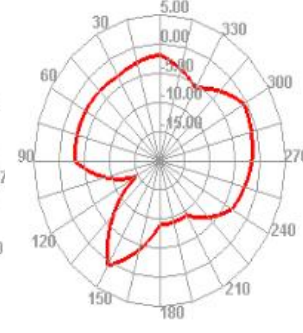
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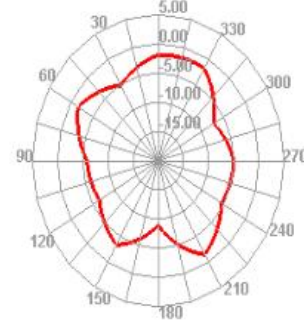
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2450.000MHz E1



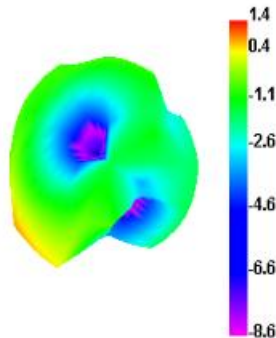
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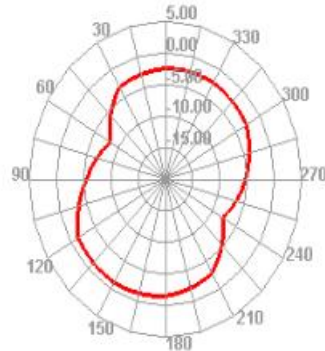
Gain & Efficiency

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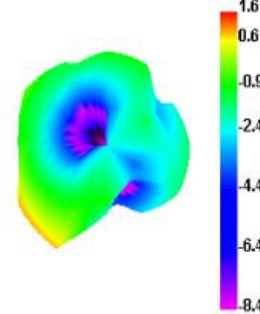
2475.000MHz



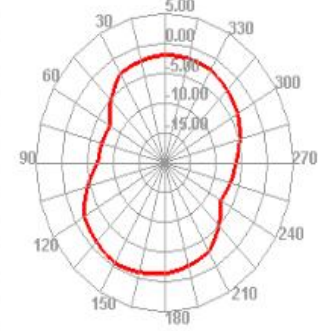
2475.000MHz H



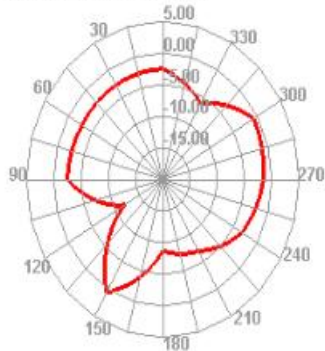
2500.000MHz



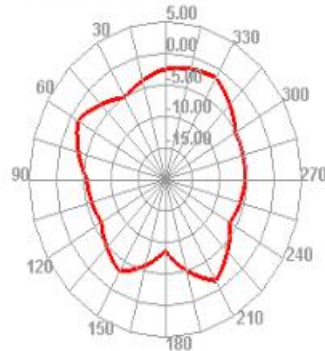
2500.000MHz H



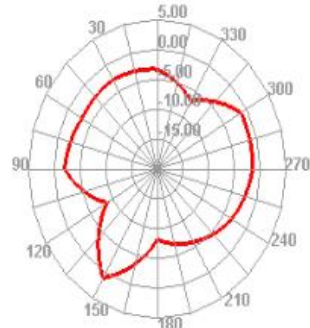
2475.000MHz E1



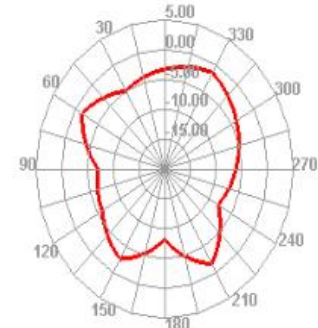
2475.000MHz E2



2500.000MHz E1



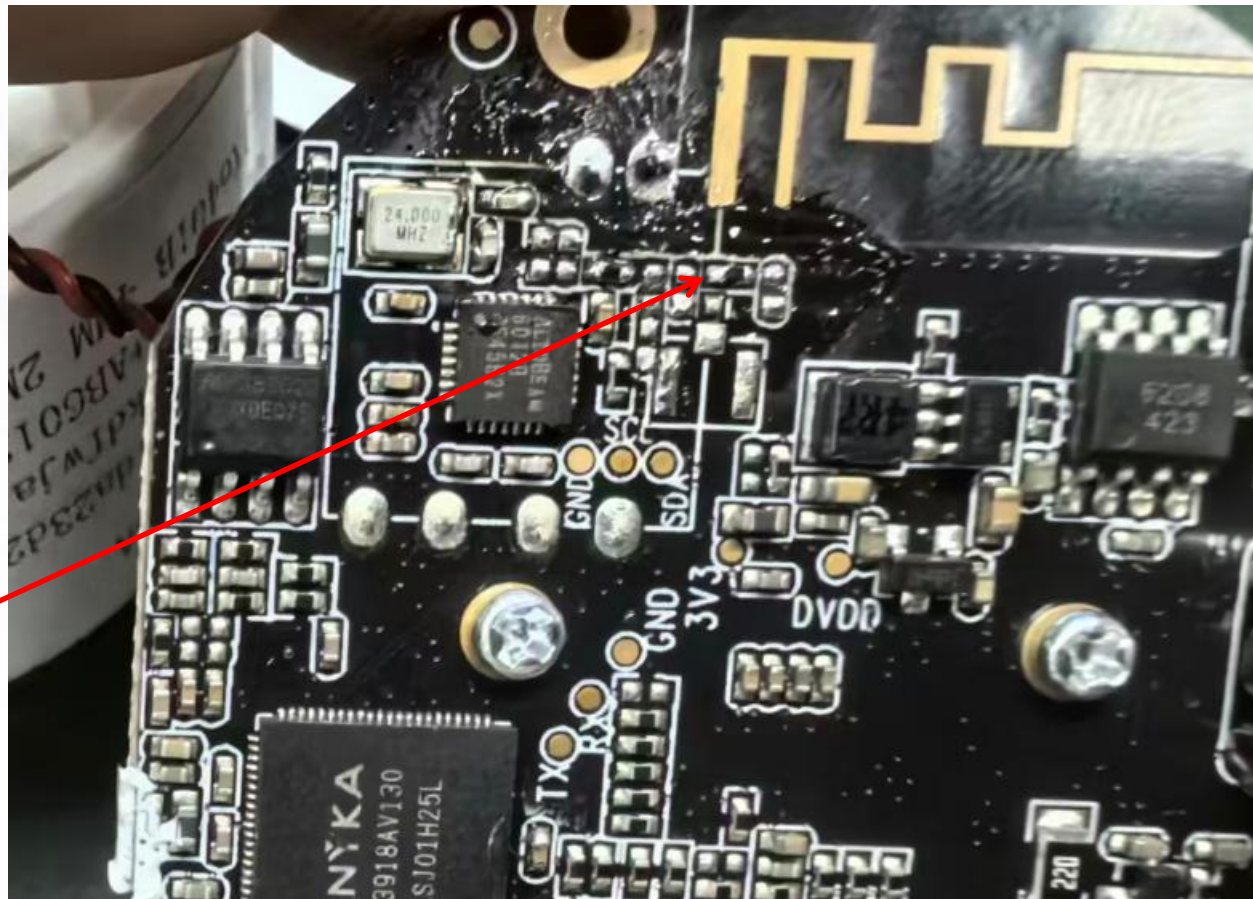
2500.000MHz E2





WIFI OTA Data

2.4G	802.11b, (2.4G) 11M		
Channel	CH1	CH6	CH11
TRP	13.07	13.95	13.13
TIS	-76.84	-75.26	-75.6



0.3PF

