

Antena Test Report



顺达成科技



专业的4G/3G/GPS/WIFI等天线方案设计及供应商

Customer Name: Durban

Customer Project Name: DB83

Band: WIFI2.4G

Version: A

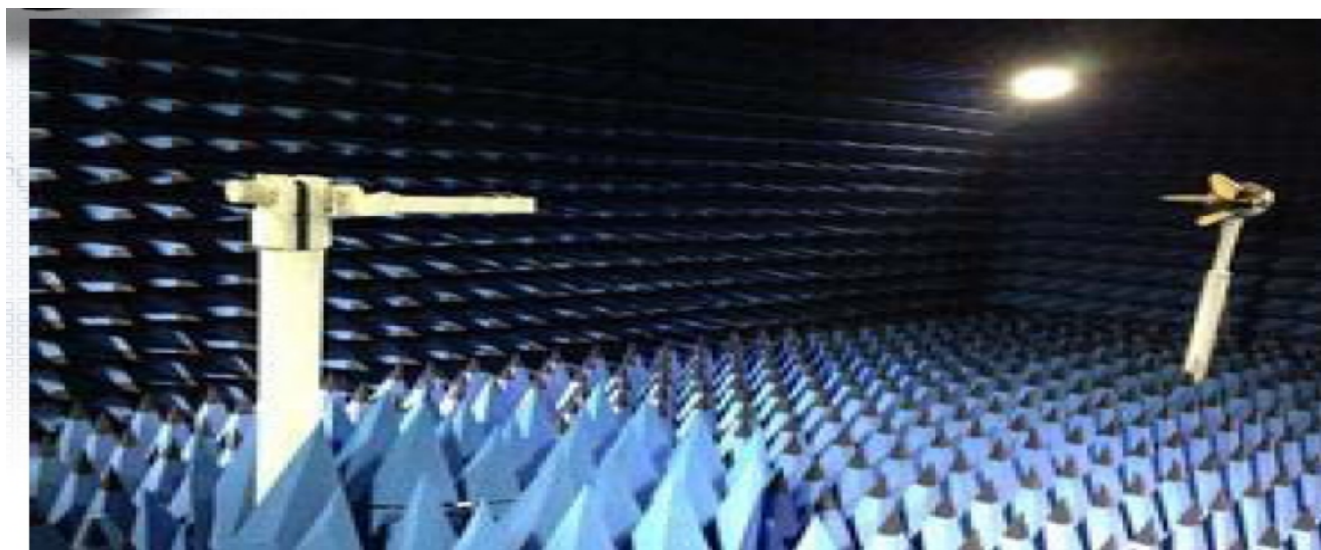
Date: 2024-8-28

Test system



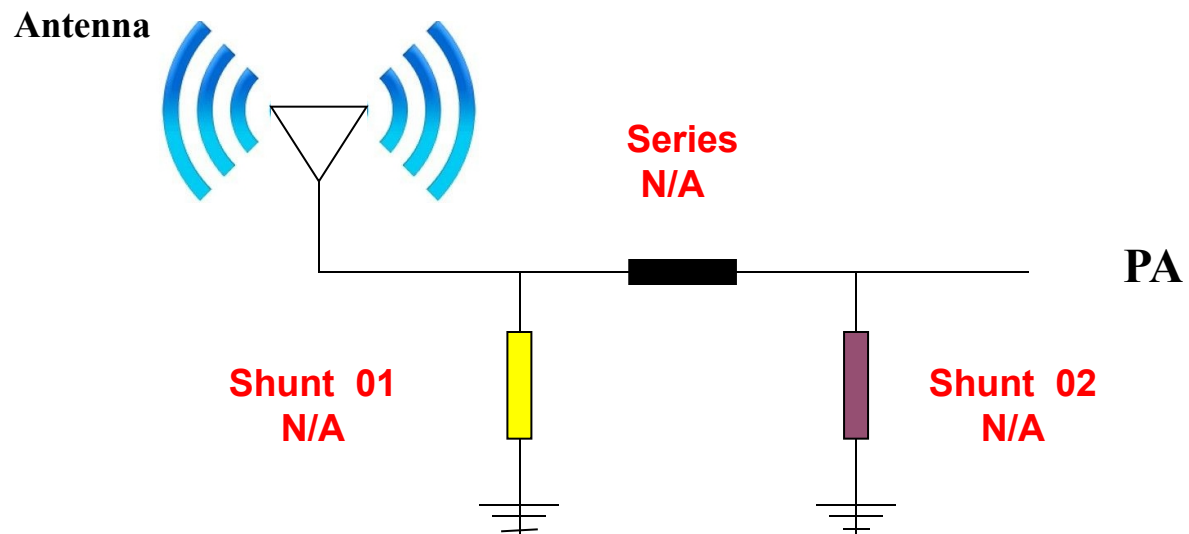
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Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



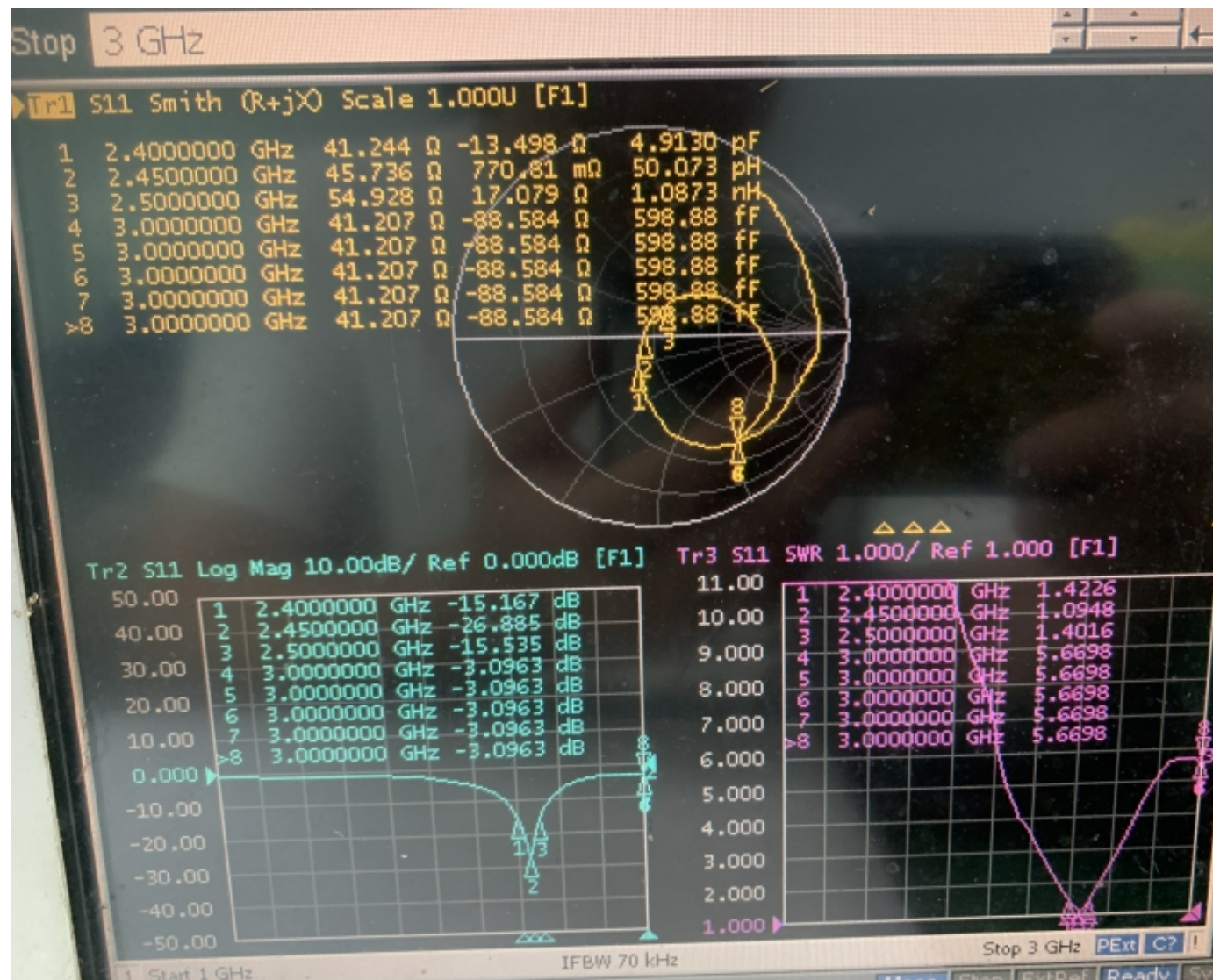
No modifications made to the motherboard circuit

Antenna Matching Network



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

S11 SWR /Smith/ Log Mag

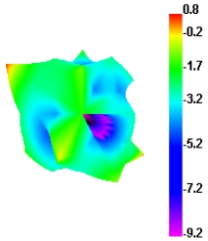


频率 (MHZ)	2400	2450	2500
阻抗 (impedance)	1.42	1.09	1.4
驻波比 (Standing wave ratio)	41.2 Ω	45.7 Ω	54.9 Ω
回损 (Return loss)	-15.1	-26.8	-15.5

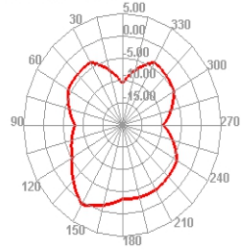
Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	40.05	0.8
2450	41.62	1.35
2500	41.27	1.1

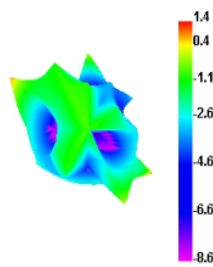
2400.000MHz



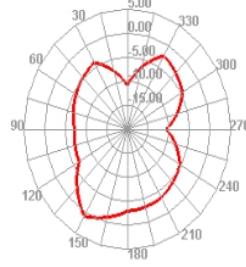
2400.000MHz H



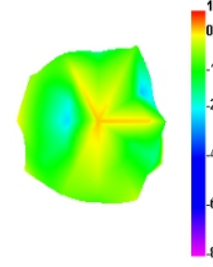
2450.000MHz



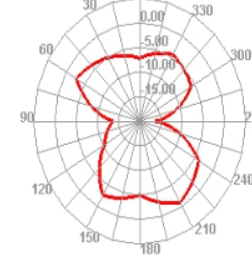
2450.000MHz H



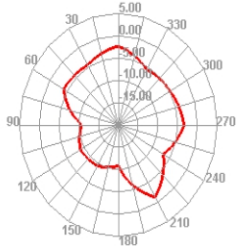
2500.000MHz



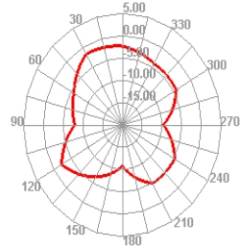
2500.000MHz H



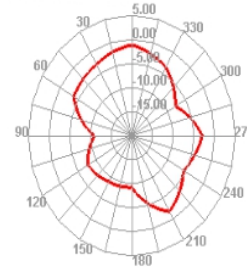
2400.000MHz E1



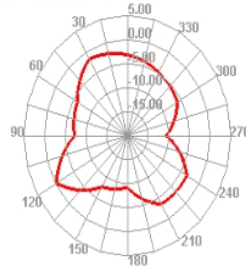
2400.000MHz E2



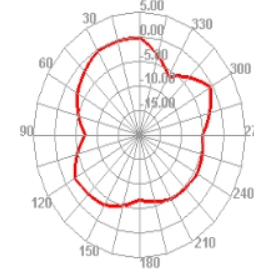
2450.000MHz E1



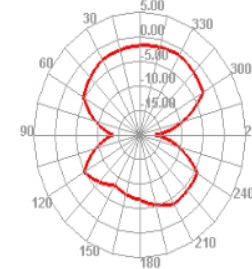
2450.000MHz E2



2500.000MHz E1



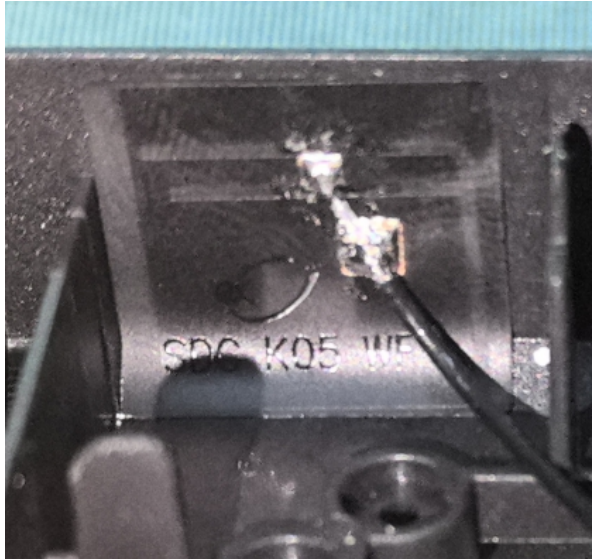
2500.000MHz E2



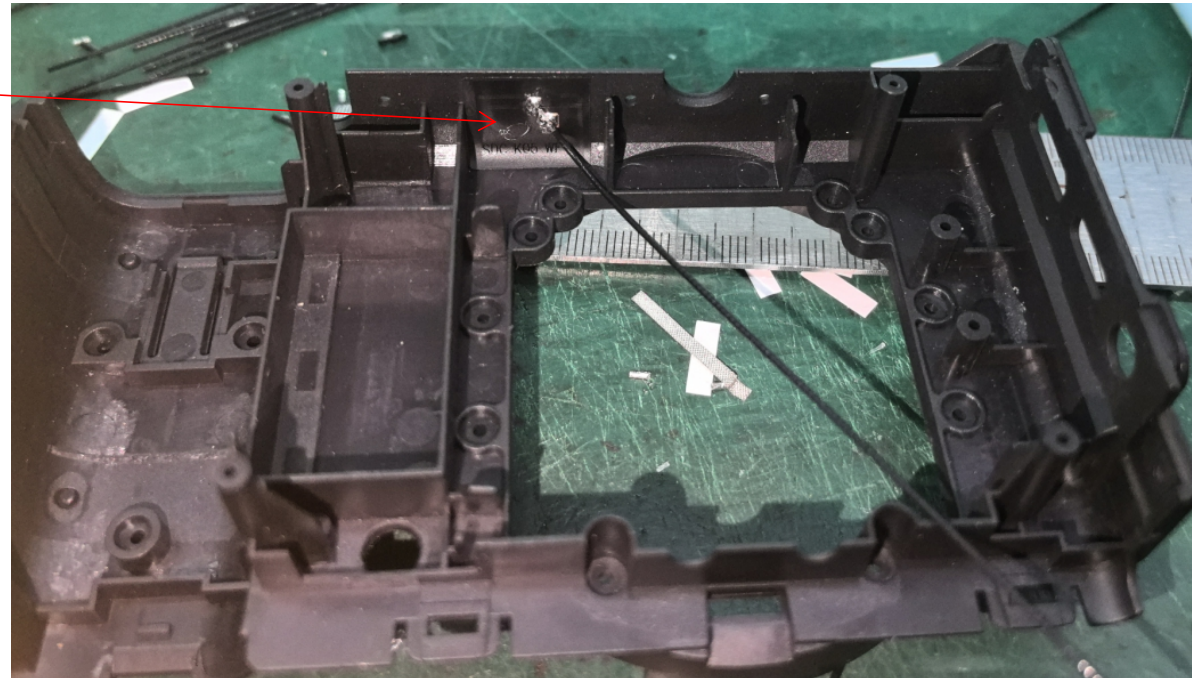
Antenna installation location diagram



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WiFi antenna





Thanks