

Antena Test Report



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专业的4G/3G/GPS/WIFI等天线方案设计及供应商

Customer Name: Durban

Customer Project Name: DB95

Band: WIFI2.4G

Version: A

Date: 2024-5-14

Manufacturer: Shenzhen ShunDaCheng technology Co., LTD

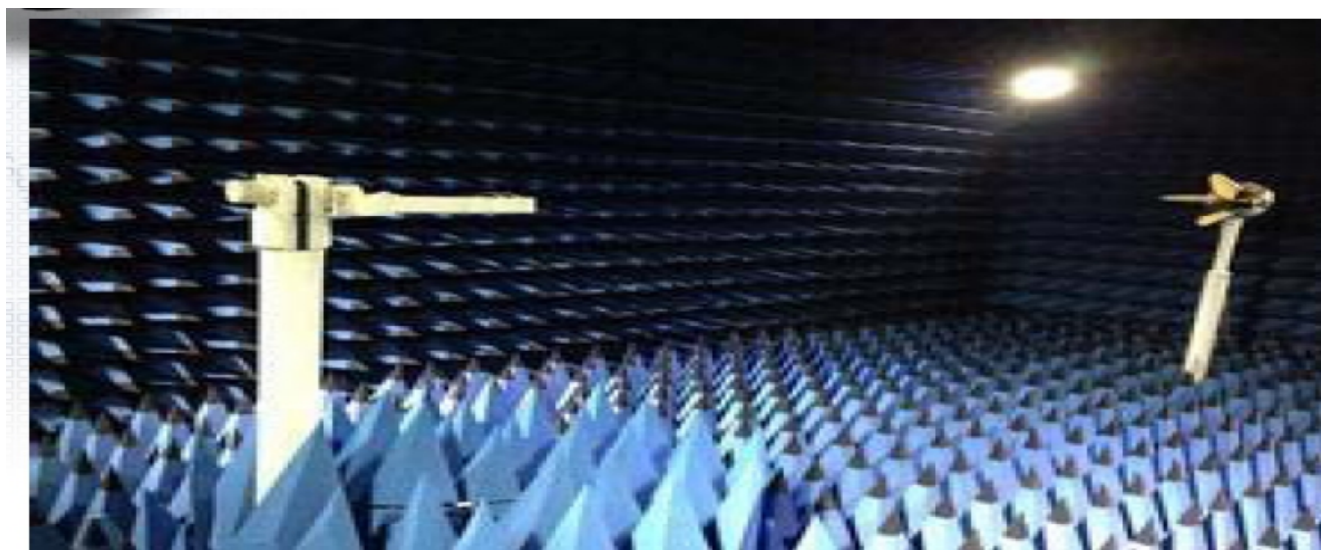
Address: 401A, Xinfu Industrial Park, Zhongqing Road, Heping Community, Fuhai Street, Baoan District, Shenzhen

Test system



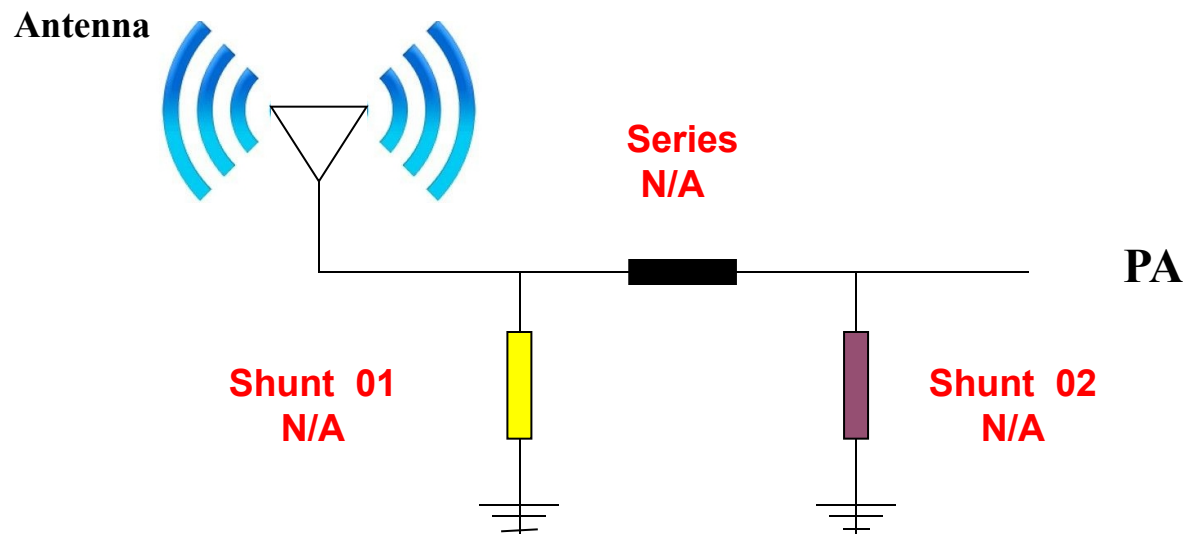
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Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C & Agilent 5062A
OTA Test	TRP&TIS	Agilent 8960 E5515C& Agilent 4438C&CMW500 &CMW270 ETS&SATIMO
Gain & Efficiency	Gain & Efficiency	ETS&SATIMO Agilent 5071C



No modifications made to the motherboard circuit

Antenna Matching Network

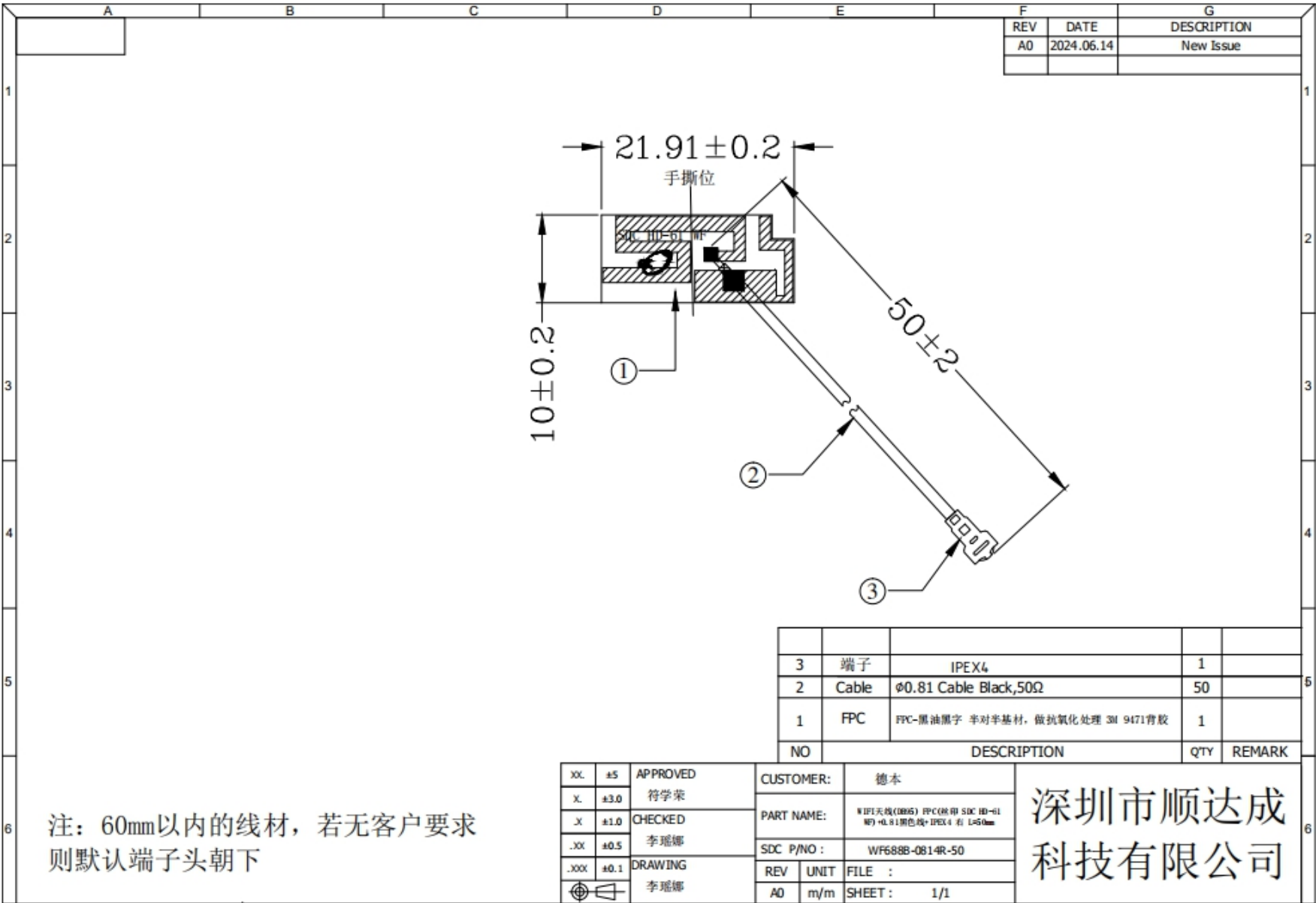


Location	Description	Vendor
Shunt 01	N/A	N/A
Series	N/A	N/A
Shunt 02	N/A	N/A

Drawing or Product Image



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Electrical parameter



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Electrical parameter	
(Frequency range)	2400-2500Mhz
Polarization mode	Horizontal and vertical polarization
Antenna gain	1.48dbi
standing-wave ratio	<2.0
Measurement program	/
Test equipment	Agilent(5071B) /ROHDE&SCHWARZ(CMW500)
Test Settings	Prepare the tested object with a fixture and place it on the testing turntable for preparation. Open the testing software and select the corresponding frequency band to conduct the test
Testing location	OTA microwave anechoic chamber
Antenna manufacturer	Shenzhen Shundacheng Technology Co., Ltd
Debugging mode	Single level
Antenna material	FPC+coaxial line

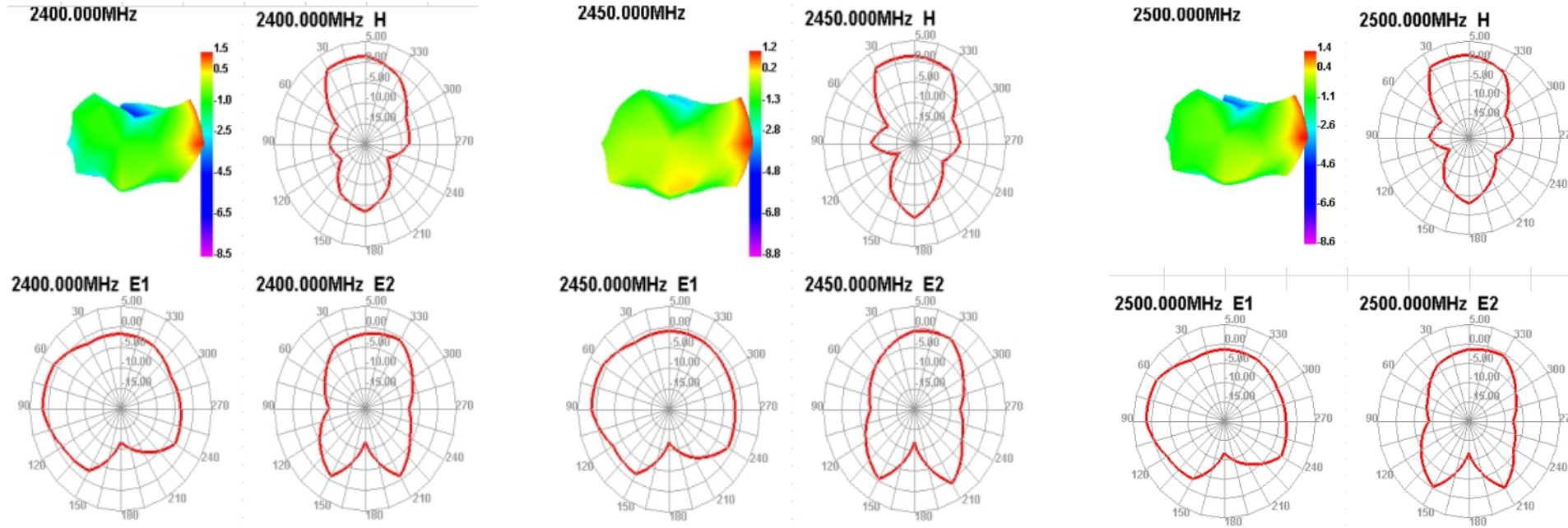
S11 SWR /Smith/ Log Mag--WIFI



频率 (MHZ)	2400	2450	2500
阻抗 (impedance)	35.4	43.5	55.8
驻波比 (Standing wave ratio)	1.47	1.24	1.21
回损 (Return loss)	-14.3	-19.2	-20.1

Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	41.45	1.48
2450	42.73	1.23
2500	43.22	1.39





Thanks