

Antenna Test Report

Customer	Shenzhenshimengchendianzikeji Co., Ltd.
Project	TB39
Antenna Revision	A0
Product Description	PCB
Product No	

Manufacturer: Shenzhenshimengchendianzikeji Co., Ltd.
Room 201, Building 2, No. 6, Xinshiqiao Street, Guihua Community, Guanlan Subdistrict, Longhua District, Shenzhen, Guangdong, CN(China)

Purpose

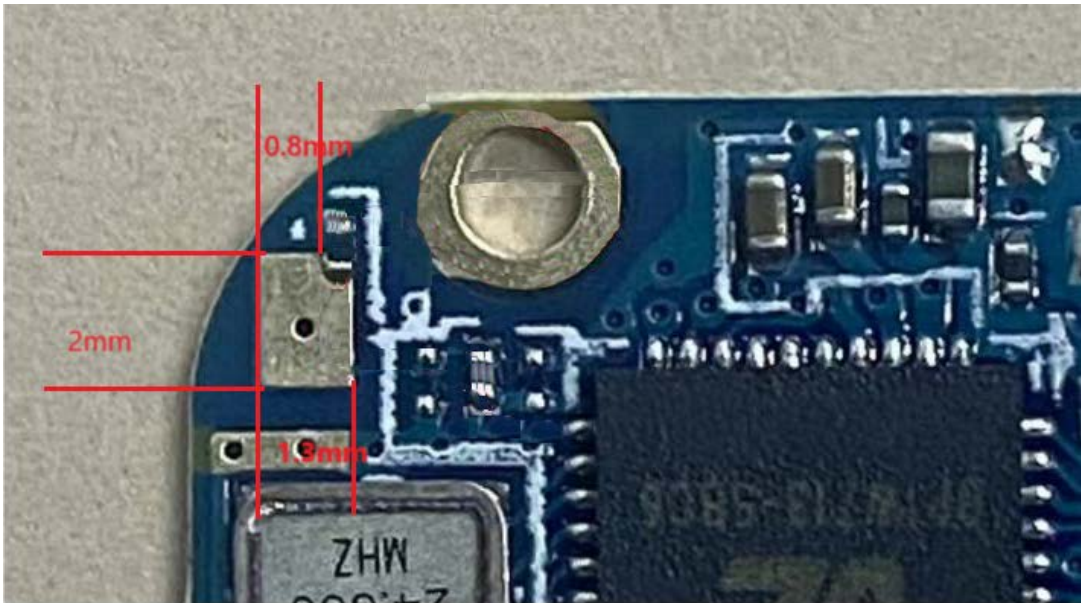
This report is to measure the performance of $p'c'b$ antenna for **TB39** . All test date are showed as below.

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- 1: Product Overview & Dimension
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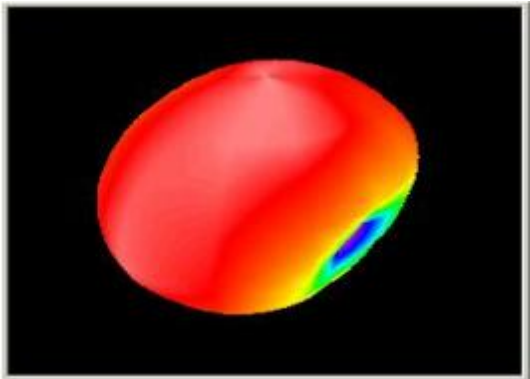
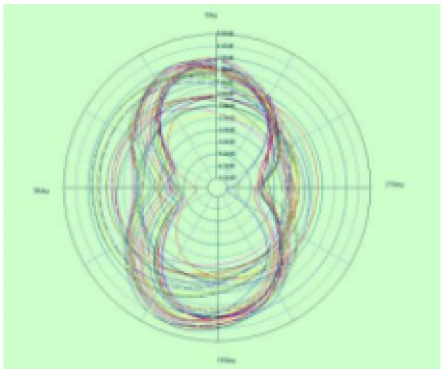
1. Product Overview & Dimension

Antenna

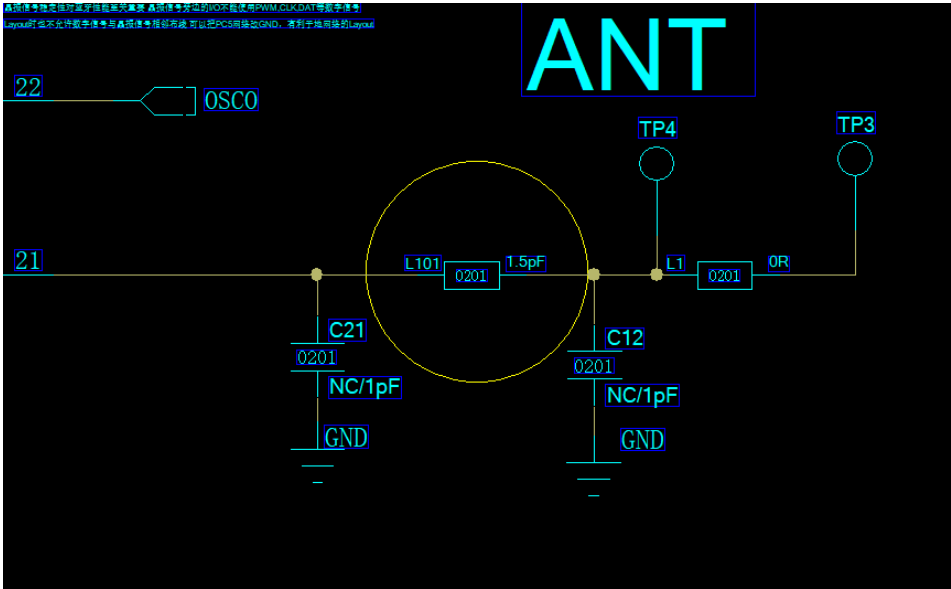


2. Test System

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

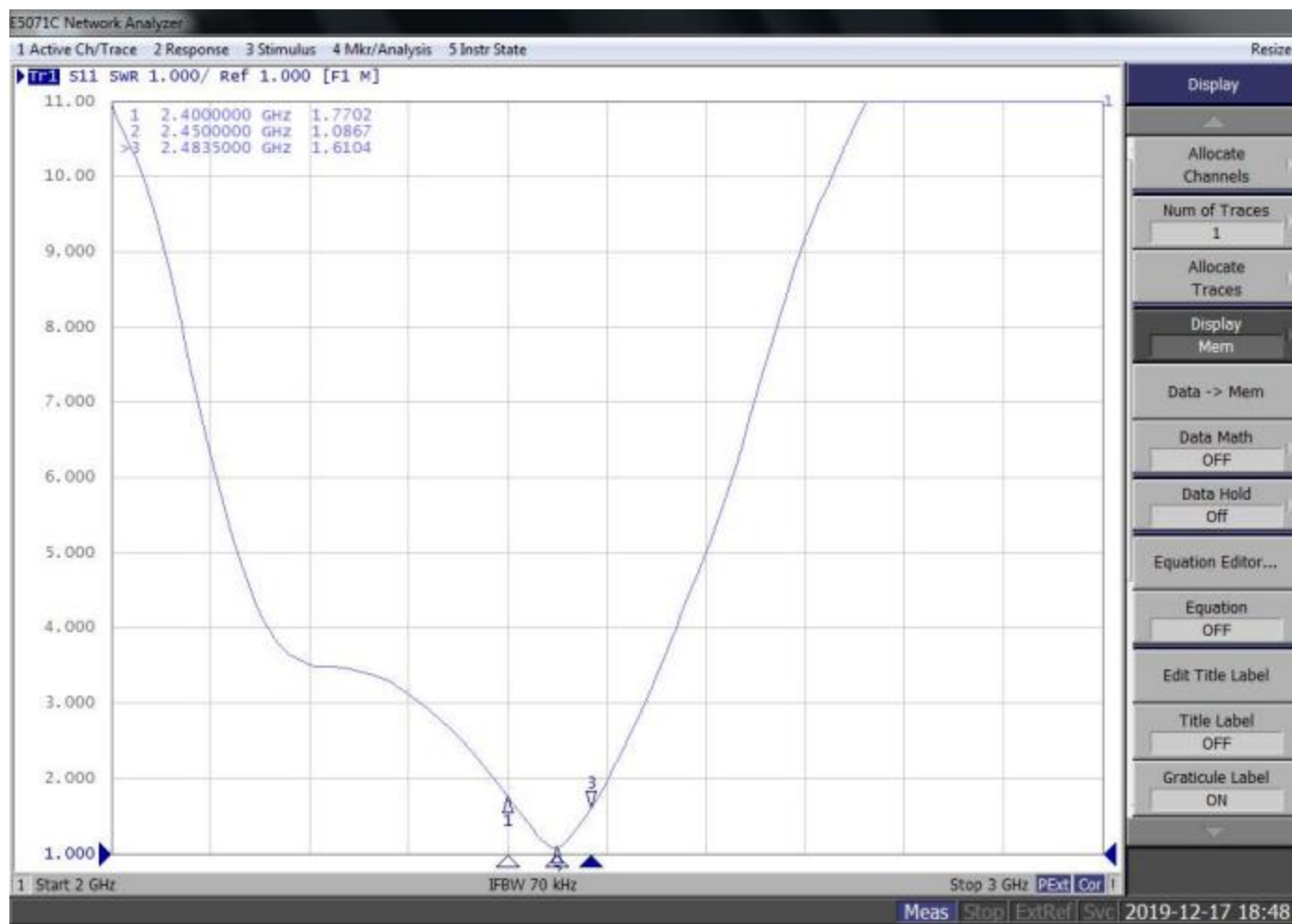


2.1 Antenna Matching Network

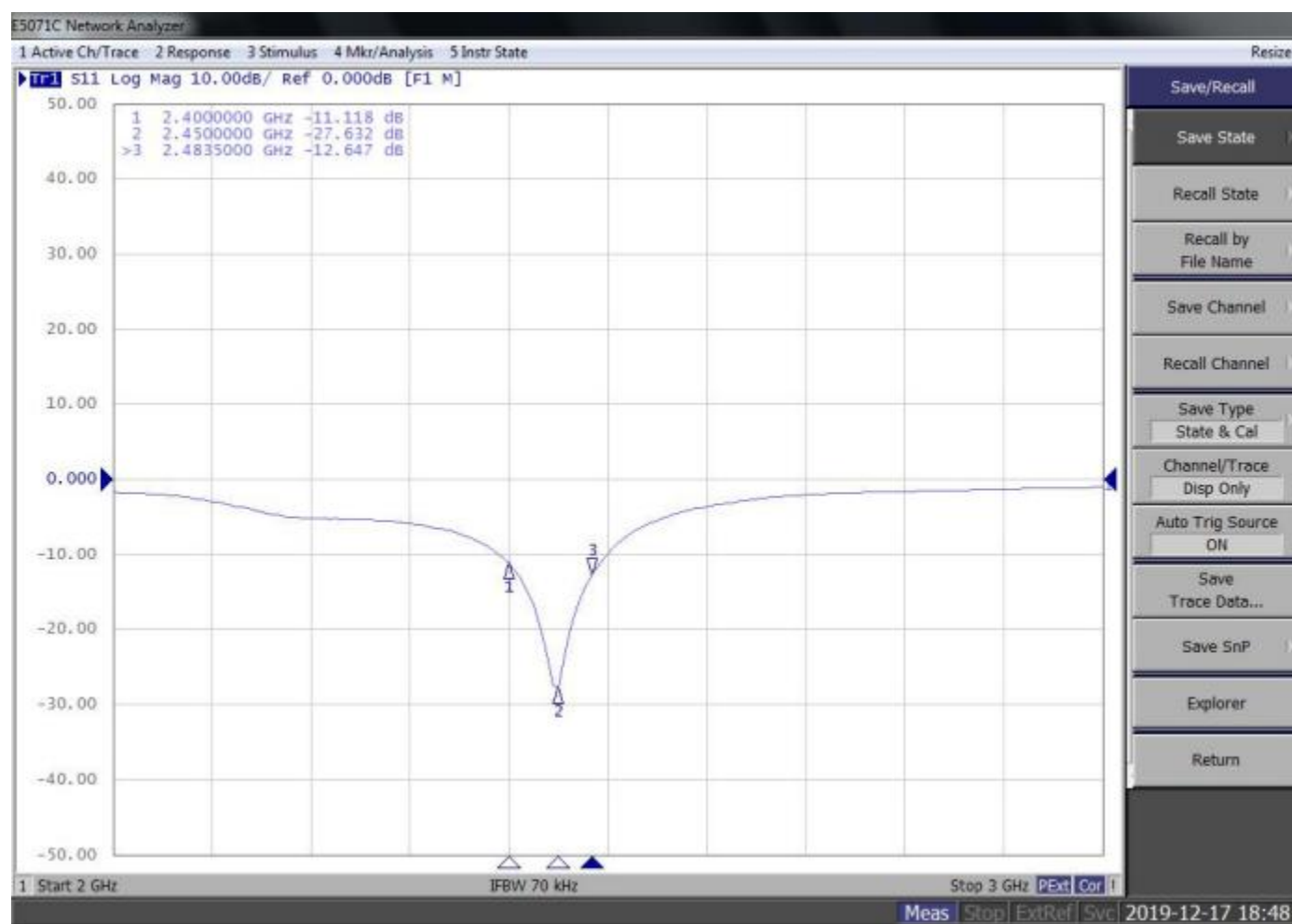


Element	Value
L1 （0201）	1.5pF
21(0201)	NC
C12 （0201）	NC
L1 （0201）	0R

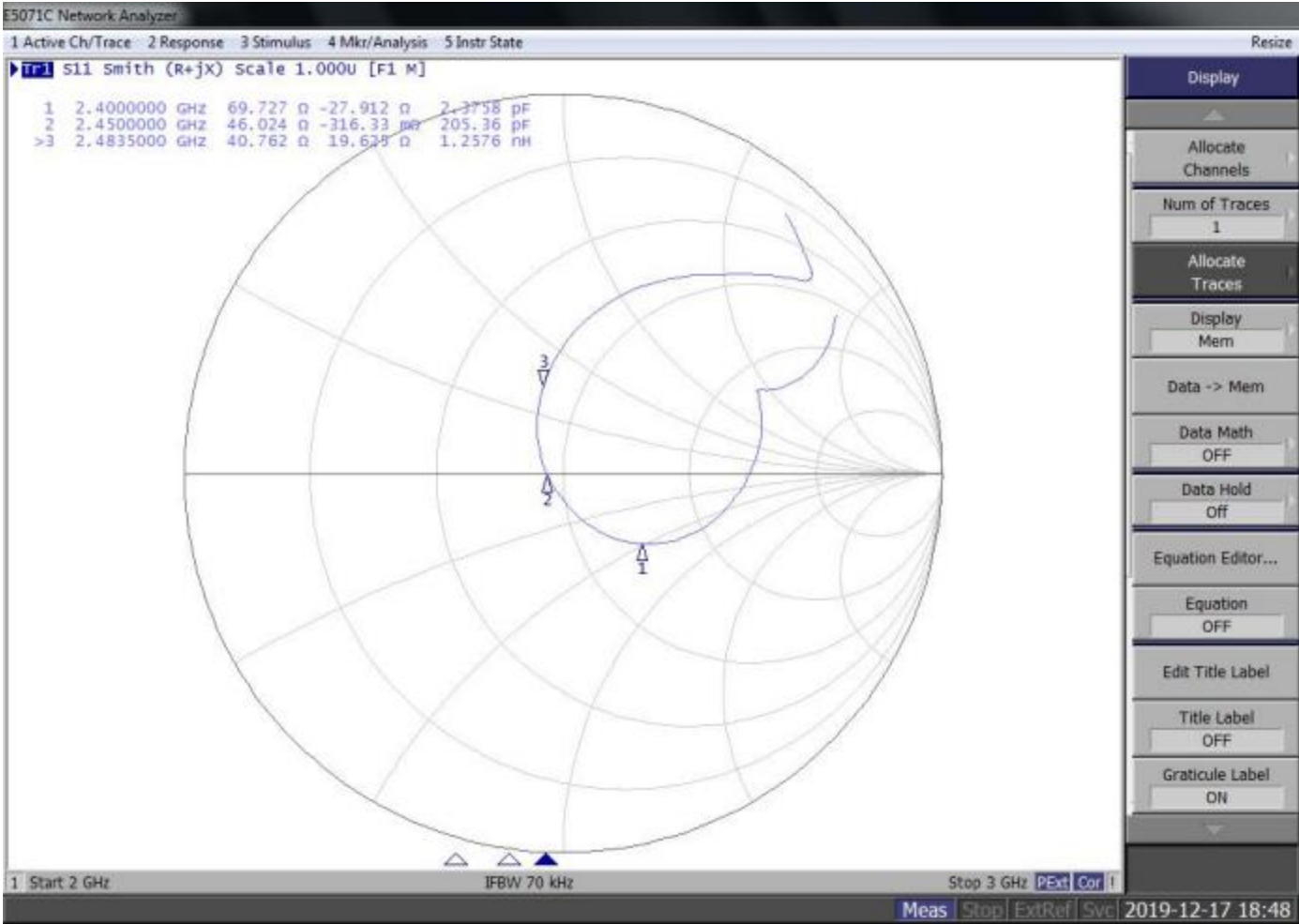
2.2 VSWR



2.3 RETURN LOSS



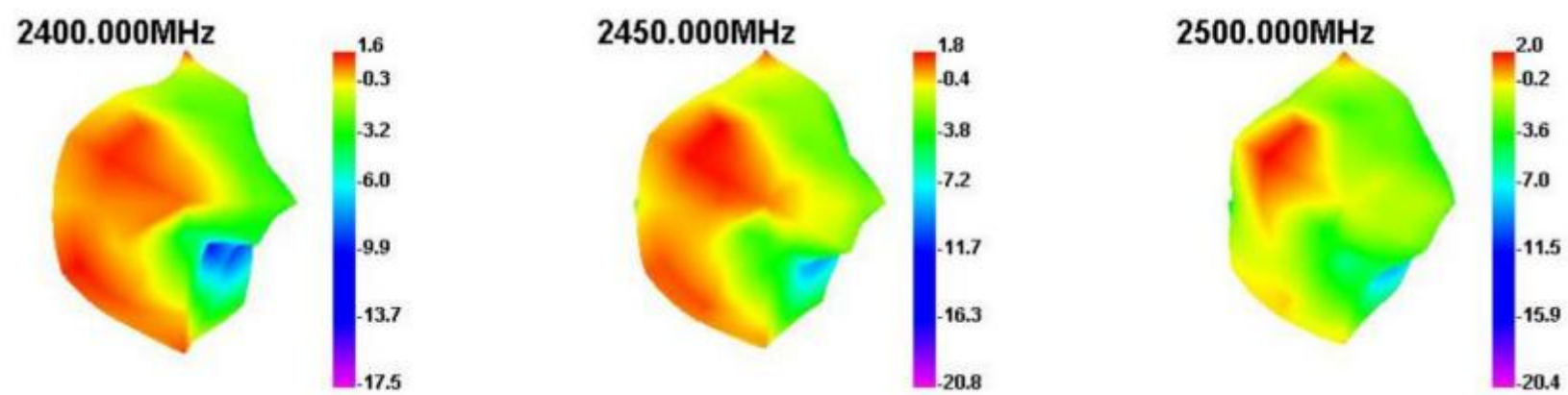
2.4 SMITH



2.5 GAIN & Efficiency

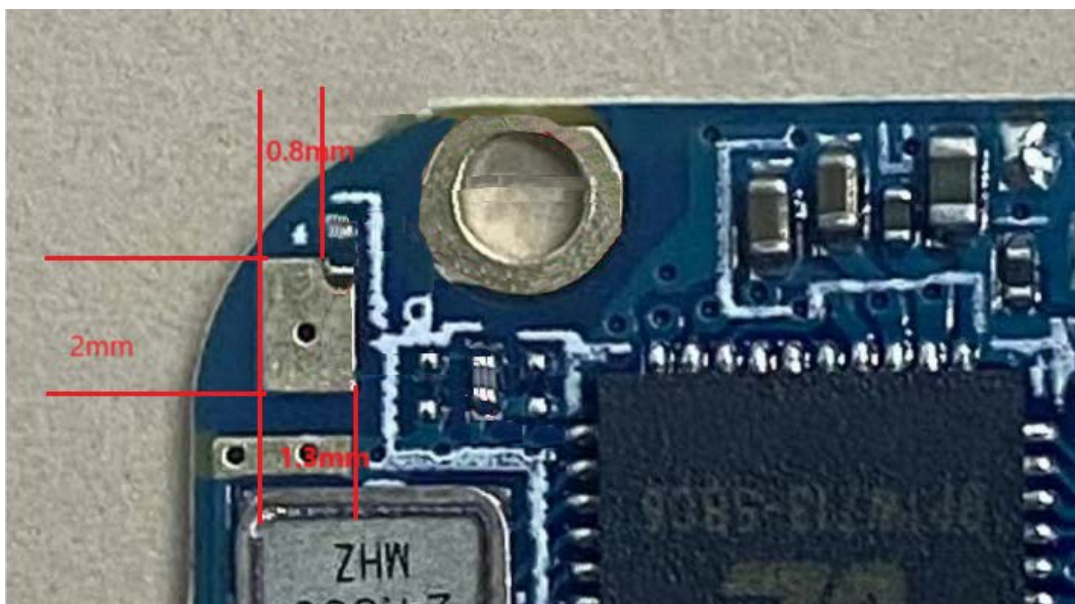
Passive Test For 2.4G				
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	51.96	-2.84	1.62	-0.53
2410	55.03	-2.59	1.99	-0.16
2420	54.81	-2.61	2.02	-0.13
2430	54.93	-2.6	2.03	-0.12
2440	52.84	-2.77	1.88	-0.27
2450	51.93	-2.85	1.83	-0.32
2460	51.63	-2.87	1.83	-0.32
2470	50.01	-3.01	1.87	-0.28
2480	53.08	-2.75	2.08	0.13
2490	50.18	-2.99	2.09	0.04
2500	45.45	-3.42	2.01	-0.14

2.6 2D/3D DATA



3. Conclusion

Antenna diameter 3mm



4. Conclusion

Judged as qualified