

Antenna Test Report



Customer	蓝博
Project	RX4
Antenna Revision	A0
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Checked by	15502142182
Date:	2022. 04. 21

Purpose

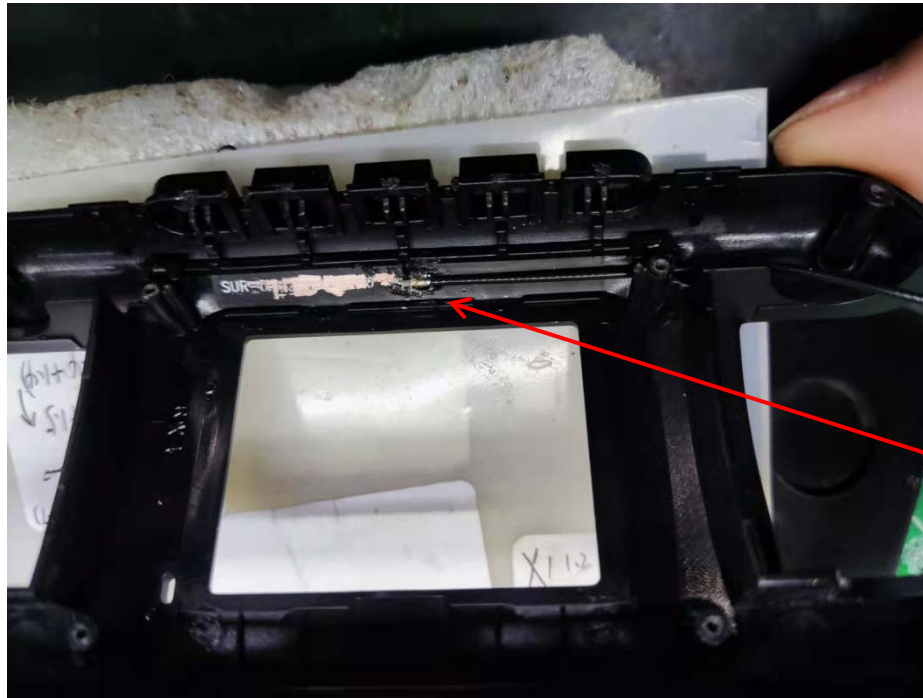
This report is to measure the performance of antenna for **RX4**.The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

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1.Product Overview & Dimension

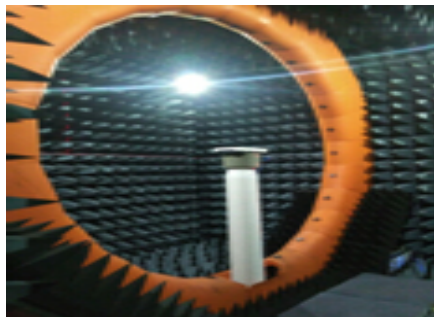
样机图片



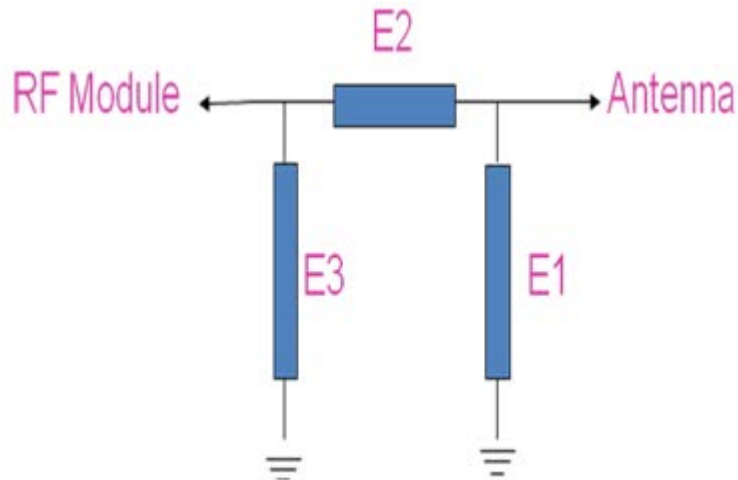
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2. Test System

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



3. Antenna Matching Network

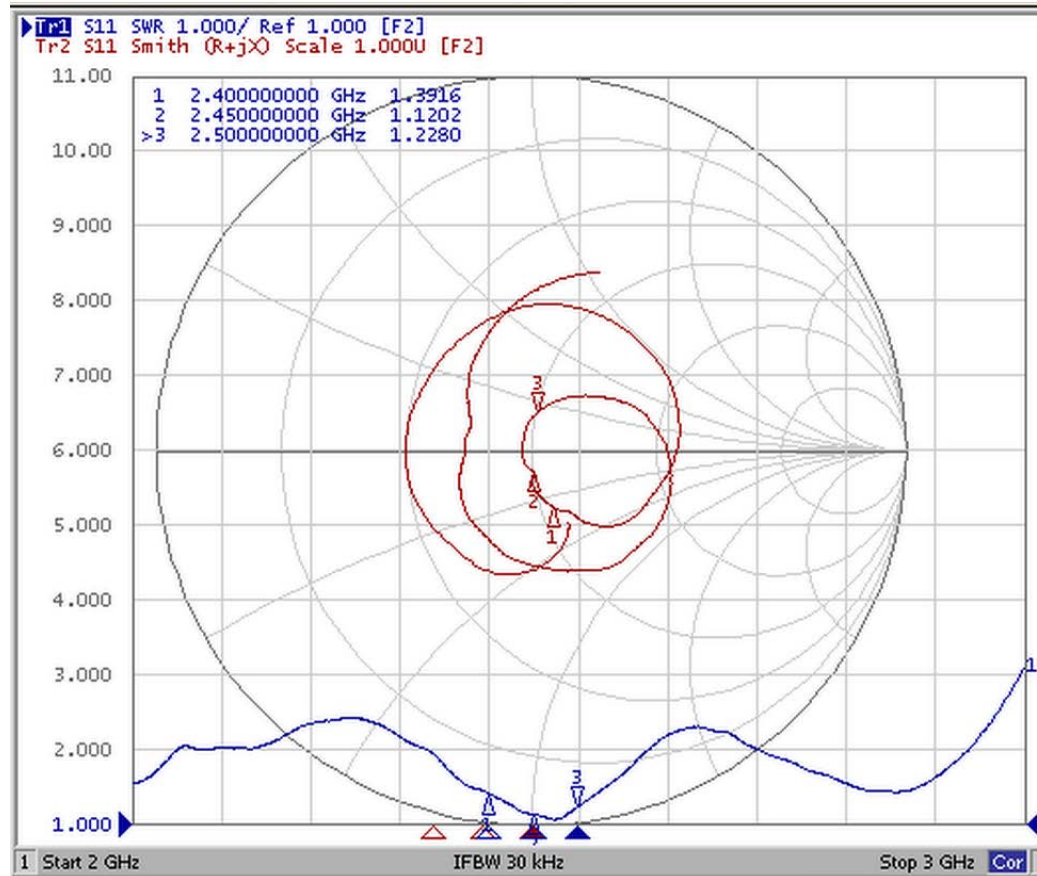


Element	Value
E1	/
E2	/
E3	/

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4. Test Result

4.1 S11 Parameter-VSWR



Frequency	2400	2450	2500
VSWR	1.39	1.12	1.22

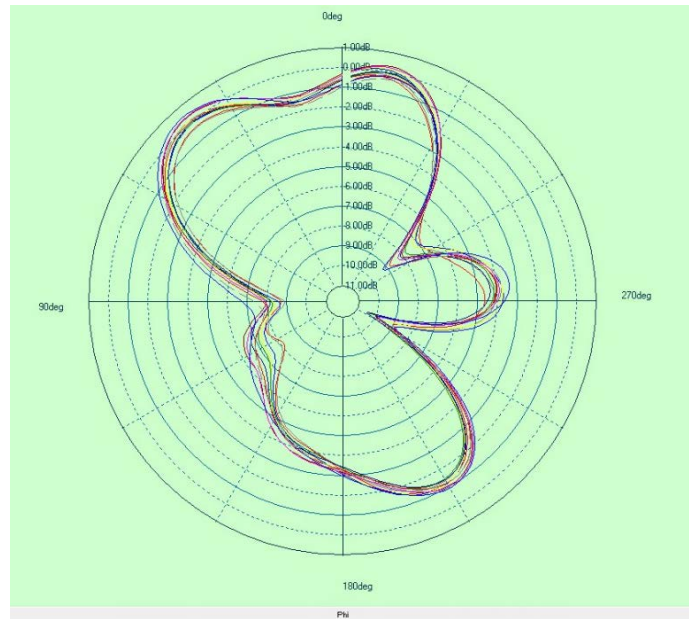
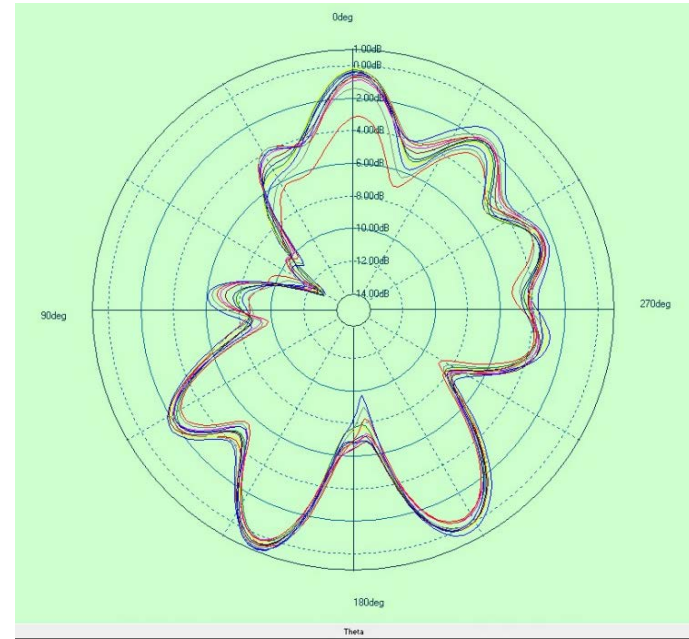
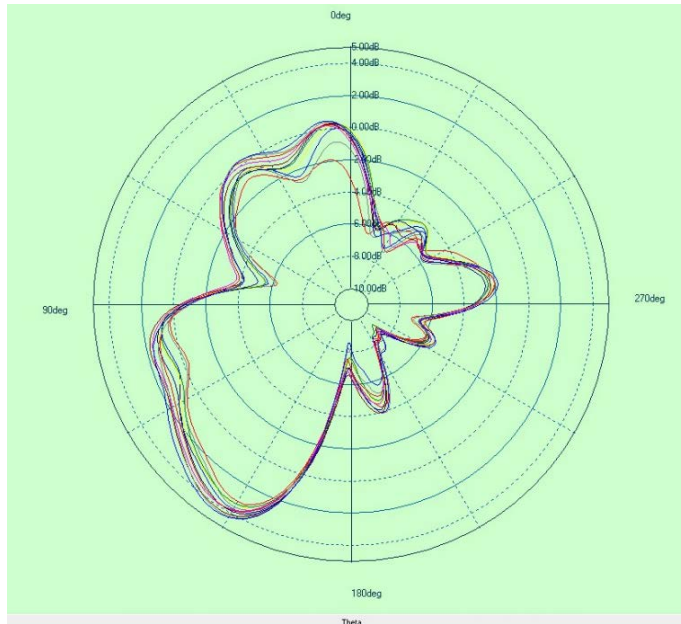
4. Test Result

4.2 Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	42. 7%	3. 44
2410	44. 4%	3. 80
2420	47. 7%	3. 93
2430	47. 3%	3. 54
2440	45. 7%	3. 50
2450	48. 0%	4. 03
2460	52. 3%	4. 27
2470	51. 1%	3. 94
2480	49. 3%	3. 94
2490	47. 4%	4. 40
2500	45. 2%	4. 50

4. Test Result

4.3 2D Pattern



4.Test Result---WIFI

4.4 OTA

Mode	Channel	TRP	TIS
802.11B	11	12.9	-65.2
802.11G	11	12.9	-60.4
802.11N	11	12.3	-59.2

说明： 样机只工作在11信道，故无其它信道数据

Thank you !