

Antenna Test Report

Customer	深圳模微半导体有限公司
Project	FM06蓝牙天线
Antenna Revision	A0
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manufacturer	深圳模微半导体有限公司
Date:	2024/04/30

Purpose

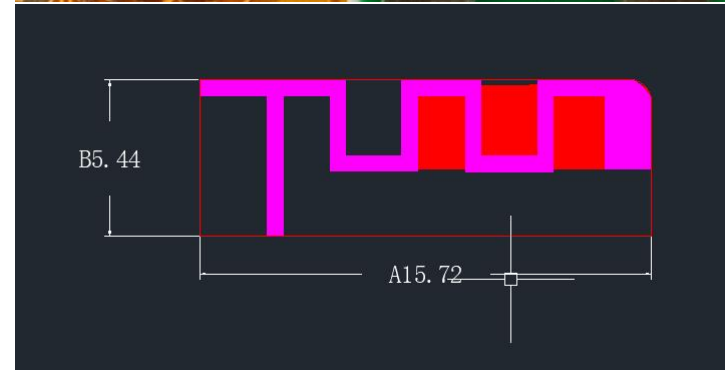
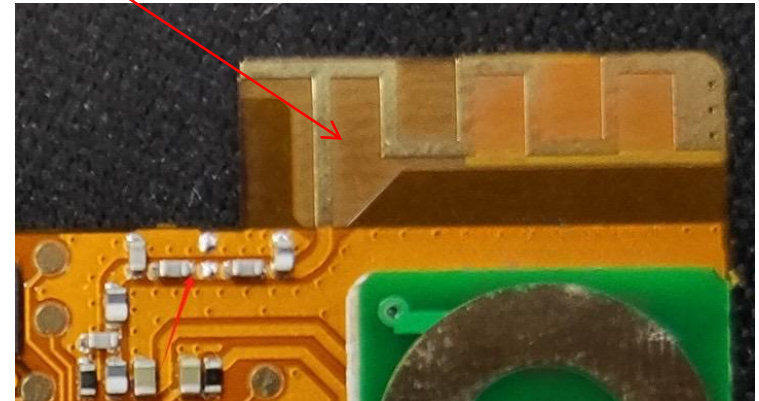
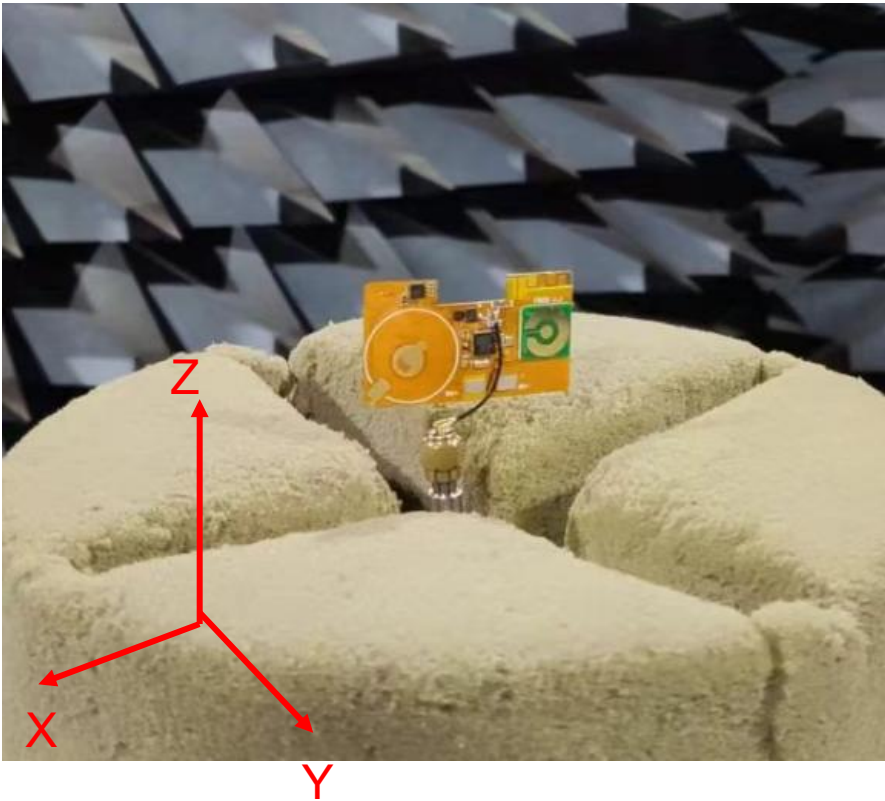
This report is to measure the performance of antenna for **FM06蓝牙天线**. The antenna operating frequency at **2400-2500MHz** All test data are showed as below.

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1. Product Overview & Dimension

Antenna

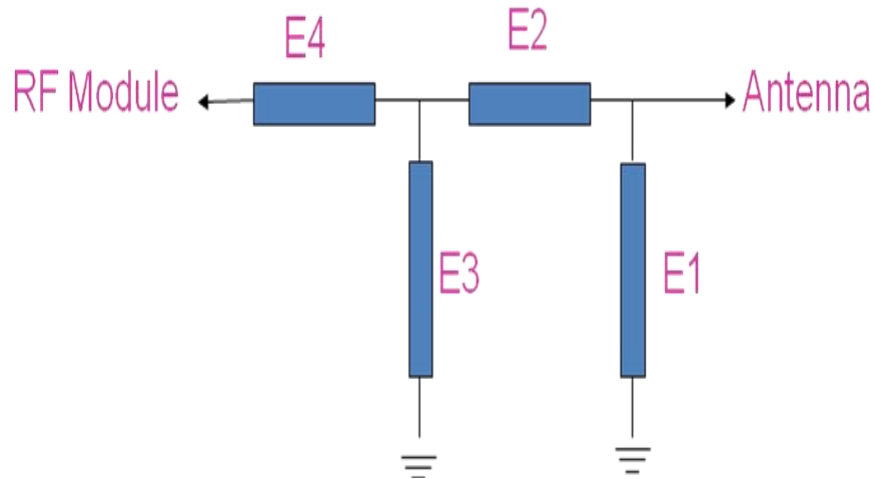


2. Test System

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

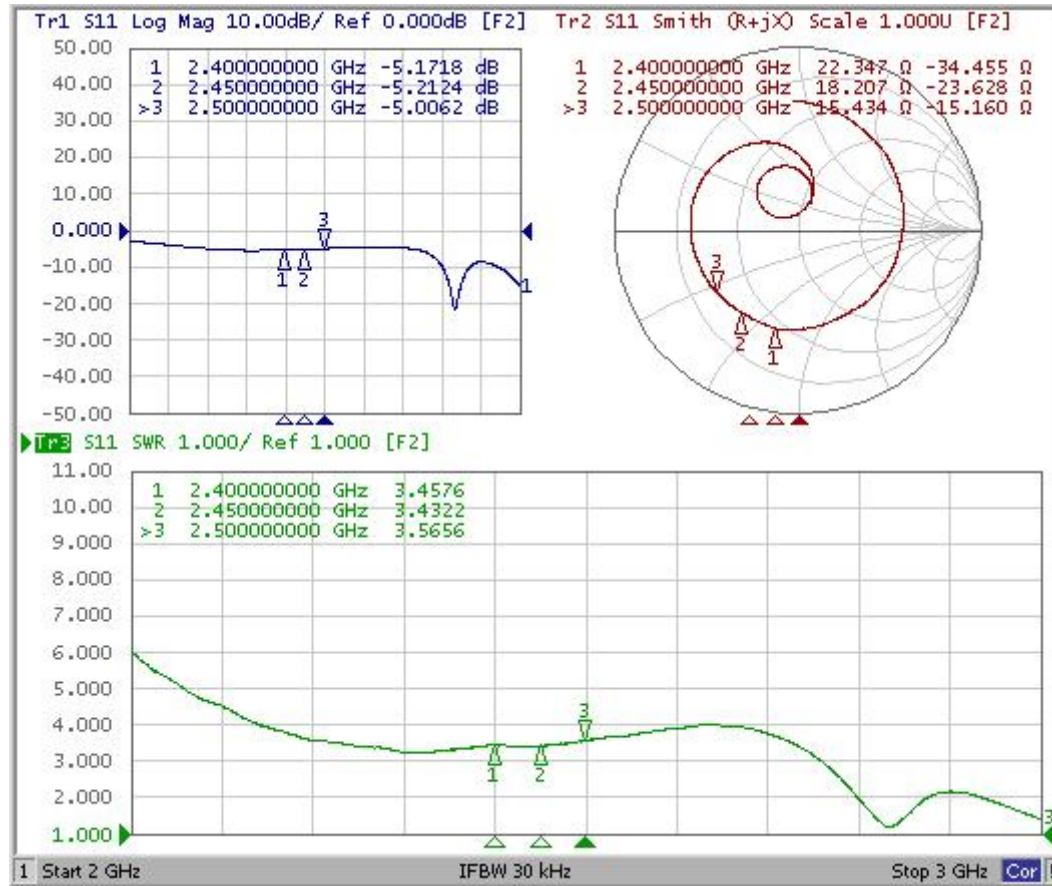


Element	Value
E1	N/A
E2	N/A
E3	N/A
E4	N/A

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4. Test Result

4.1 S11 Parameter-VSWR



Frequency	2400	2450	2500
VSWR	3.45	3.43	3.56

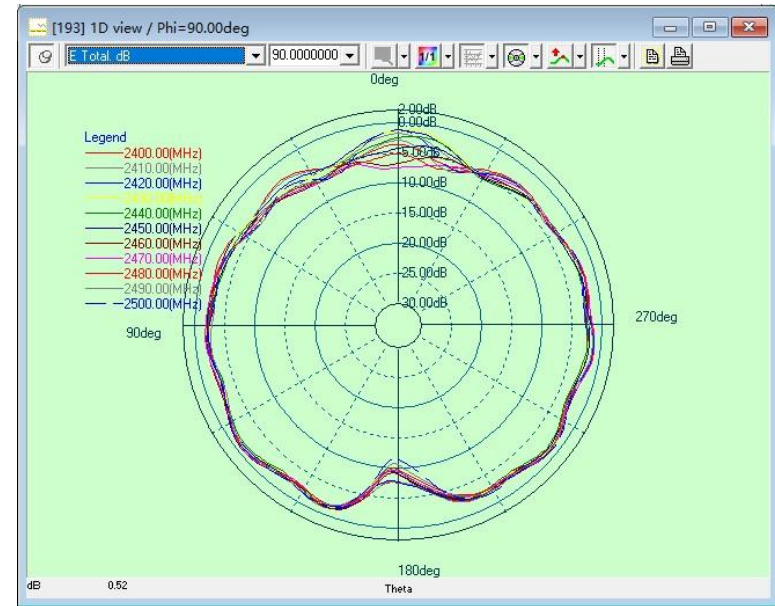
4. Test Result

4.2 Gain & Efficiency

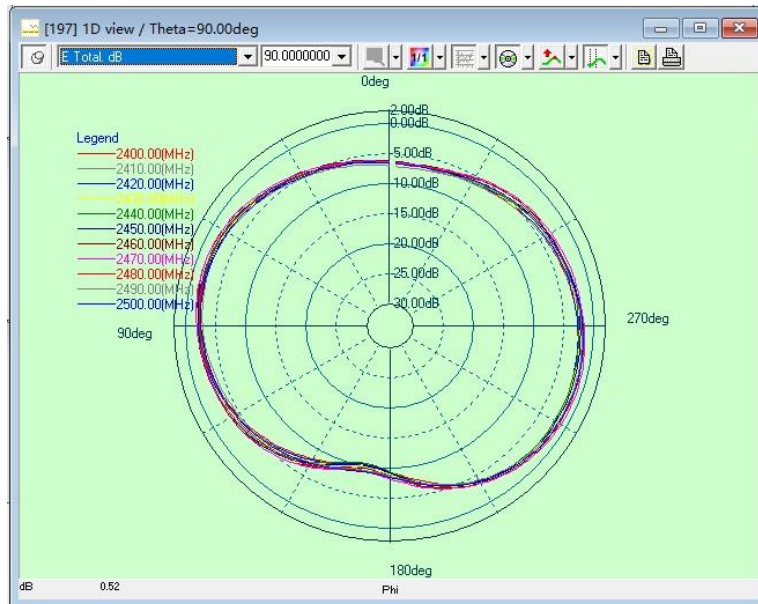
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	39.2%	-0.18
2410	39.5%	0.10
2420	40.2%	0.20
2430	39.2%	-0.15
2440	36.9%	-0.46
2450	37.7%	-0.15
2460	40.6%	0.08
2470	39.7%	-0.13
2480	38.2%	0.20
2490	37.8%	0.53
2500	40.3%	0.73

4. Test Result

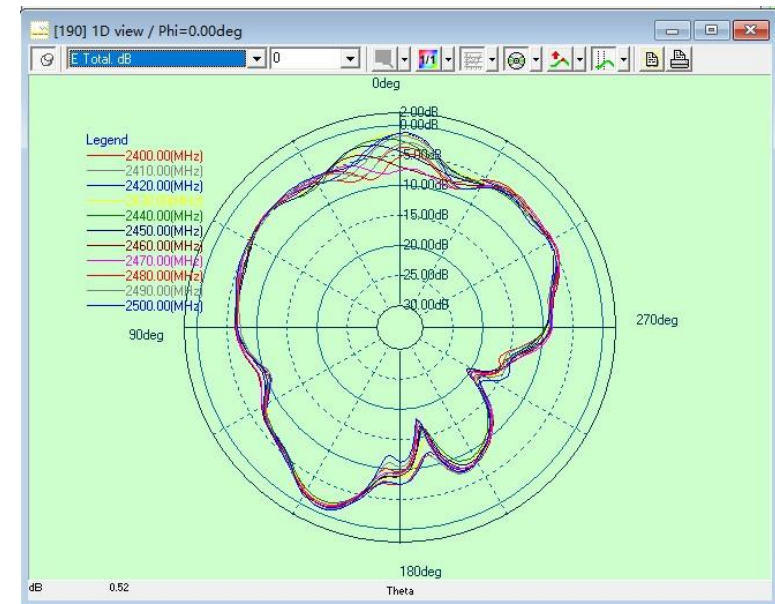
4.3 2D Pattern



Z-X



X-Y



Z-Y

Thank you !

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