

Antenna Test Report



Customer	/
Project	VT2202-N32-V03蓝牙天线
Antenna Revision	A0
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Checked by	
Date:	2024/05/20

Purpose

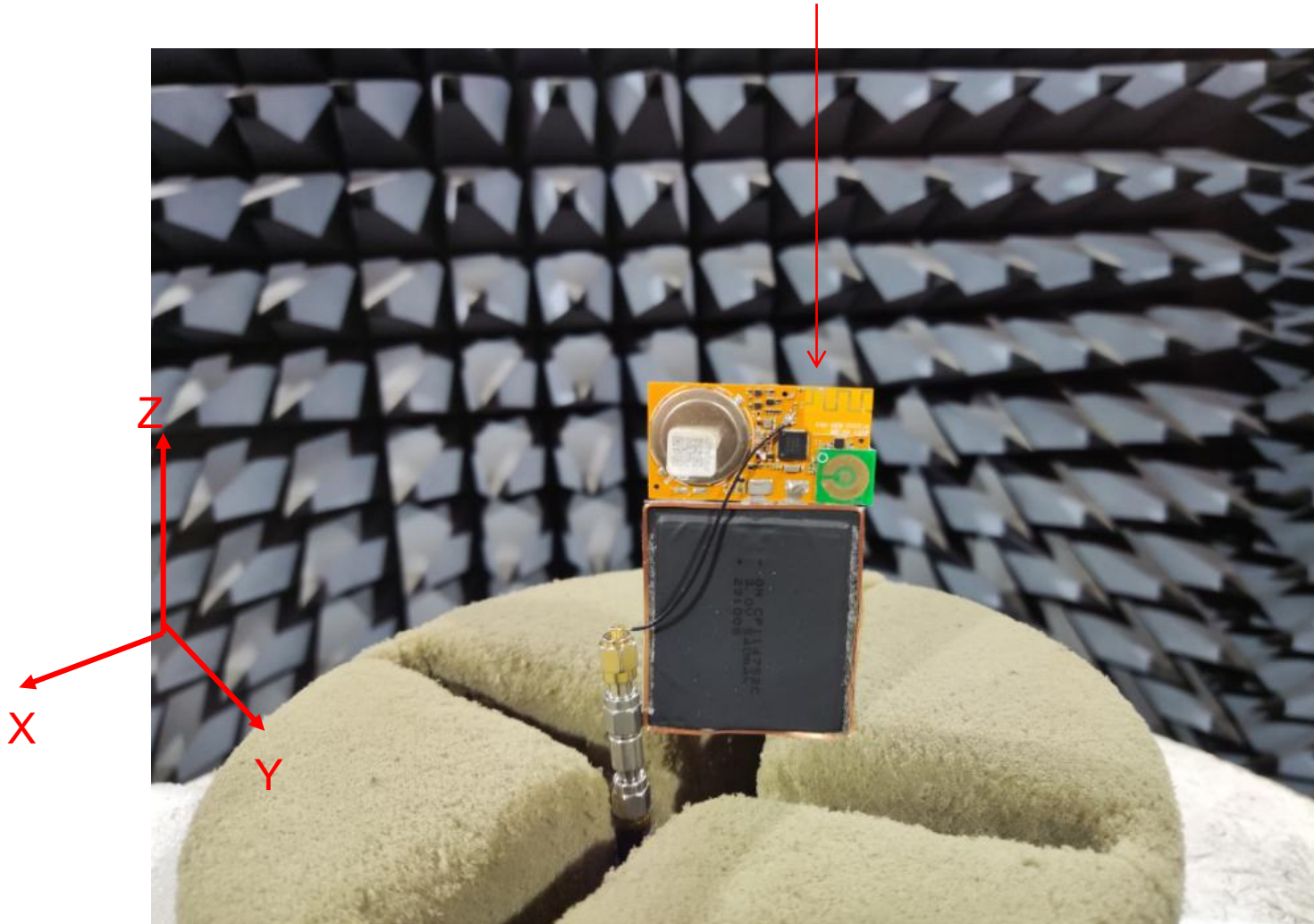
This report is to measure the performance of antenna [VT2202-N32-V03蓝牙天线](#). The antenna operating frequency at [2400-2500MHz](#) All test data are showed as below.

Content

1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
 - 4.1 ***S11 Parameter-VSWR***
 - 4.2 ***Gain & Efficiency***
 - 4.3 ***2D Pattern***
5. Conclusion

1.Product Overview & Dimension

Antenna

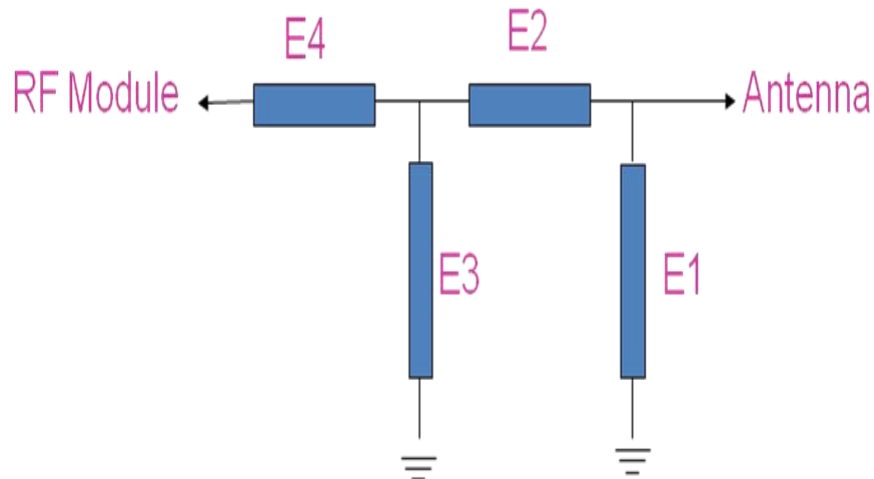


2. Test System

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

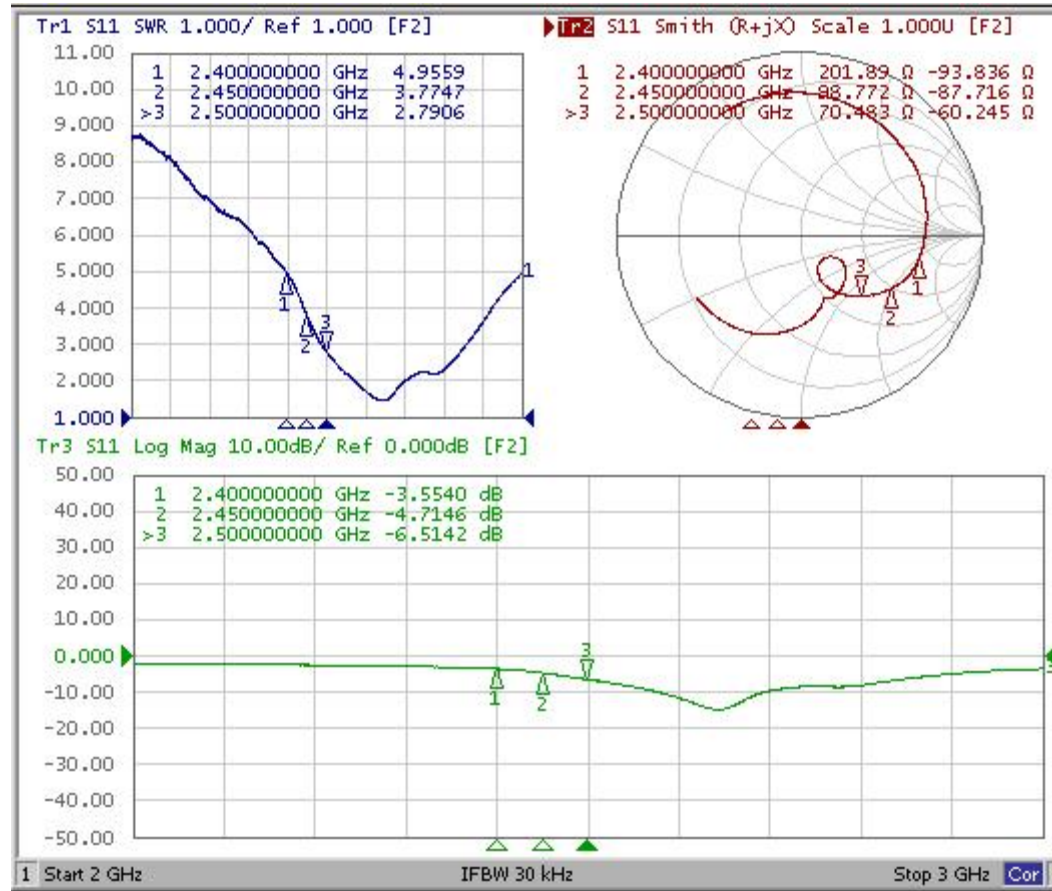


Element	Value
E1	N/A
E2	N/A
E3	N/A
E4	N/A

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4. Test Result

4.1 S11 Parameter-VSWR



Frequency	2400	2450	2500
VSWR	4.95	3.77	2.79

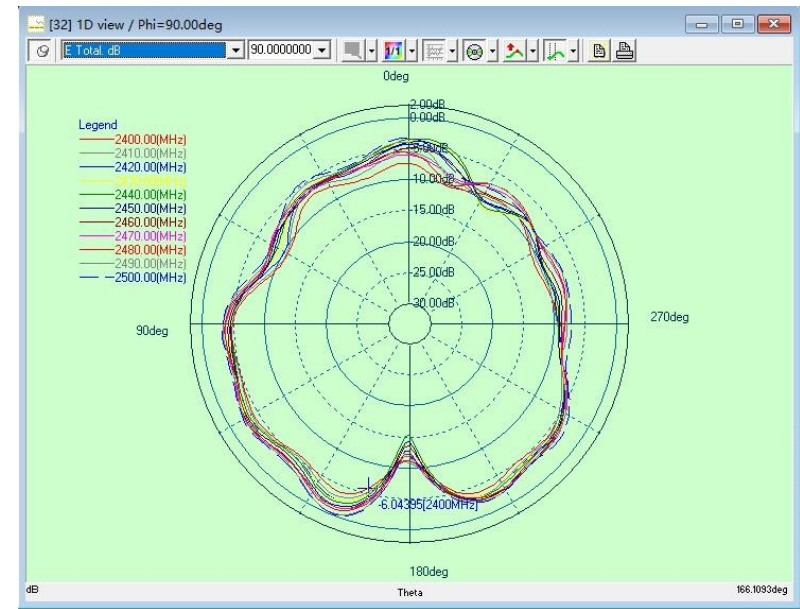
4. Test Result

4.2 Gain & Efficiency

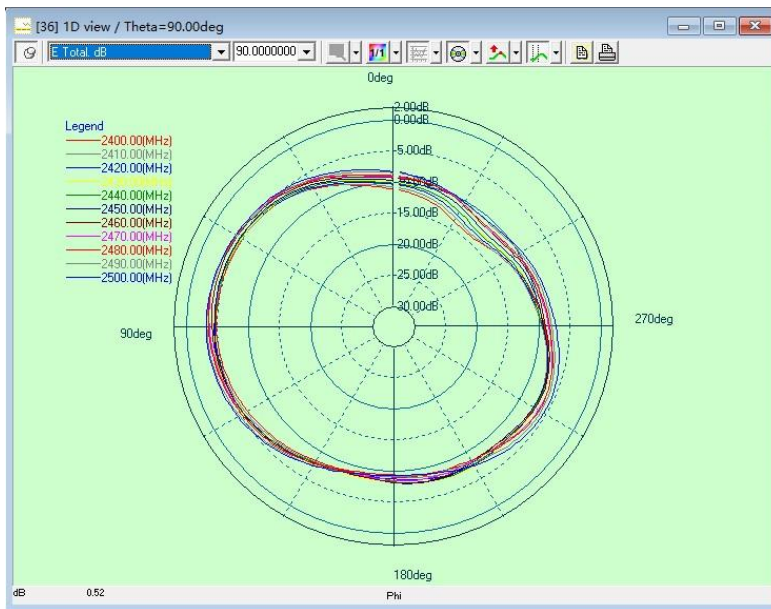
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	17.6%	-2.31
2410	18.9%	-1.69
2420	20.6%	-1.27
2430	21.4%	-1.32
2440	21.5%	-1.13
2450	22.6%	-0.66
2460	24.0%	-0.46
2470	24.4%	-0.45
2480	24.0%	-0.26
2490	26.1%	0.37
2500	27.9%	0.46

4. Test Result

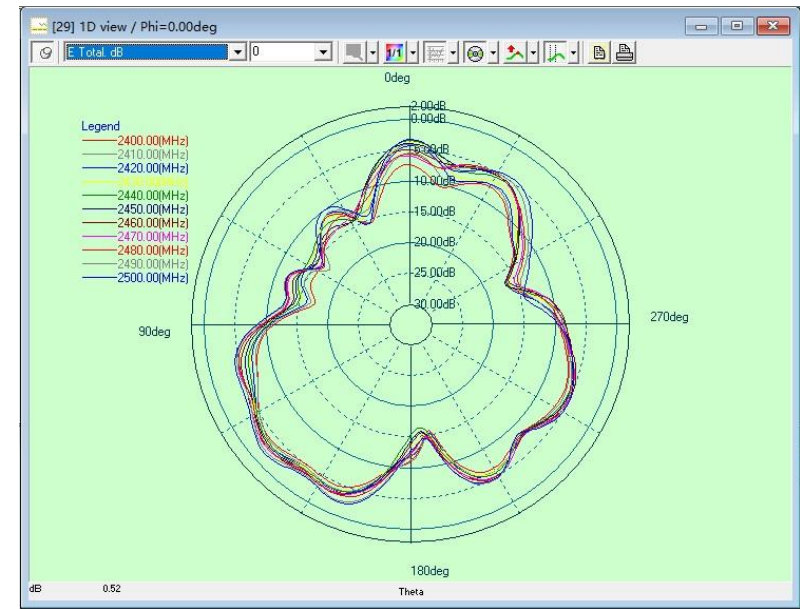
4.3 2D Pattern



Z-X



X-Y



Z-Y

Thank you!

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