

Antenna

Customer	/
Project	BR8-R5
Antenna Revision	A0
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Date:	2024/05/24

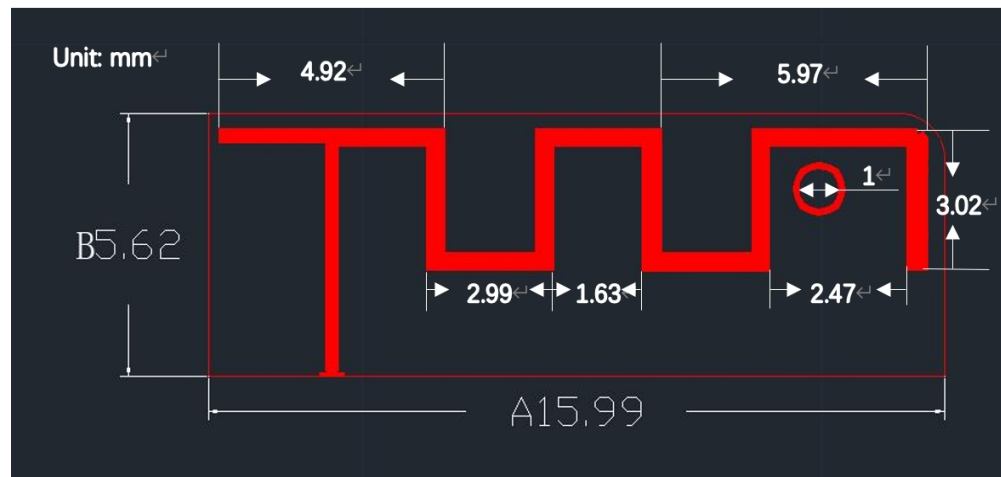
Purpose

This is to measure the performance of antenna **BR8-R5**. The antenna operating frequency at **2400-2500MHz** All test data are showed as below.

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1. Product Overview & Dimension

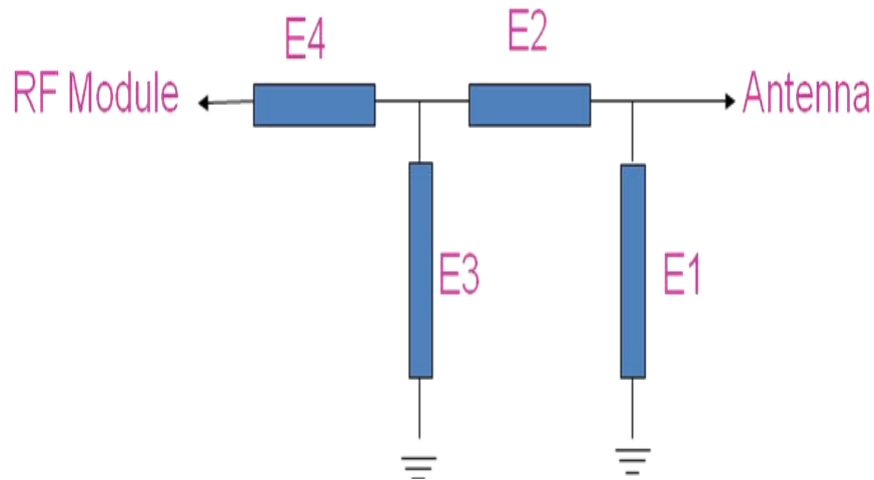


2. Test System

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

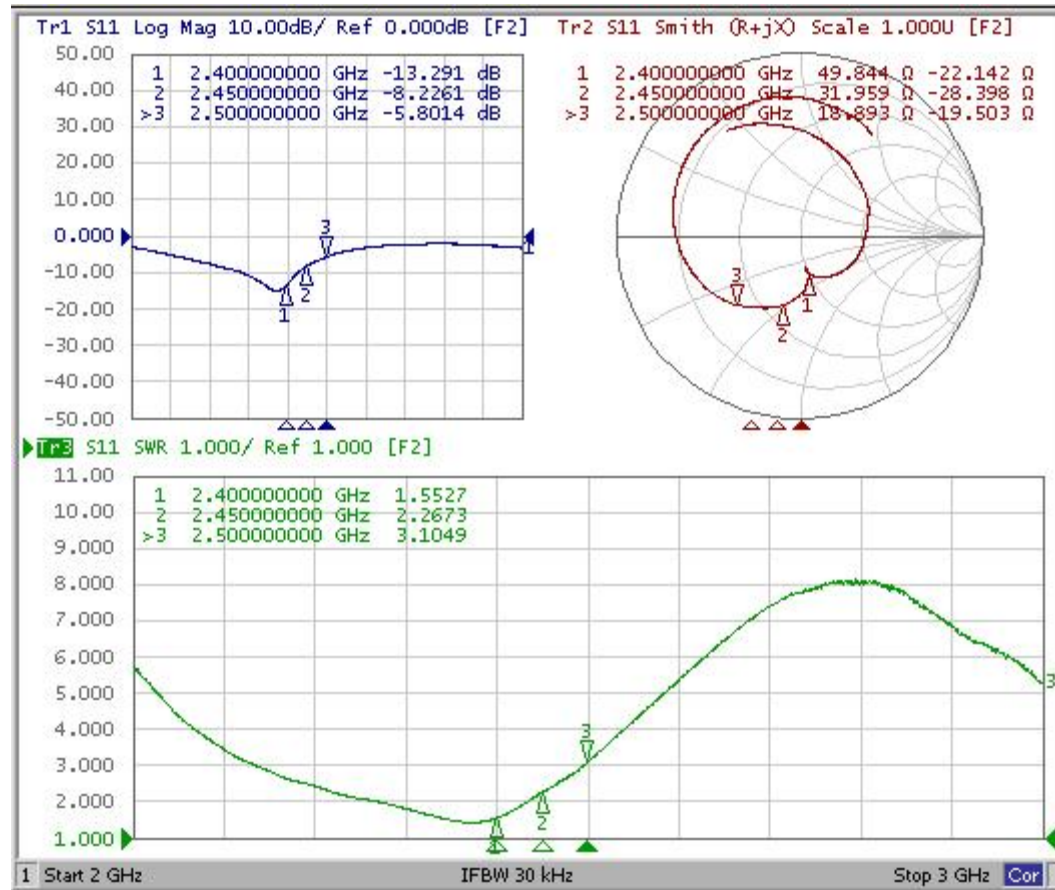


Element	Value
E1	N/A
E2	N/A
E3	N/A
E4	N/A

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4. Test Result

4.1 S11 Parameter-VSWR



Frequency	2400	2450	2500
VSWR	1.55	2.26	3.10

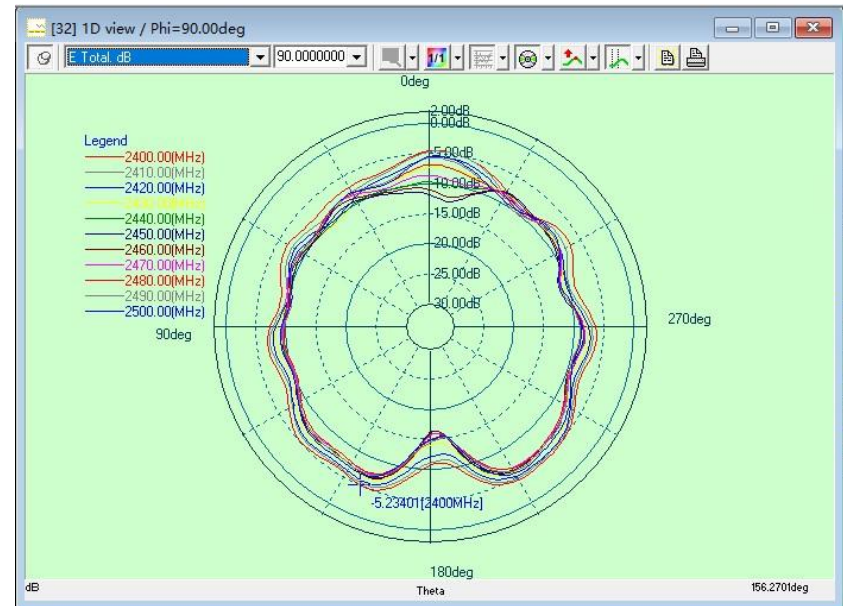
4. Test Result

4.2 Gain & Efficiency

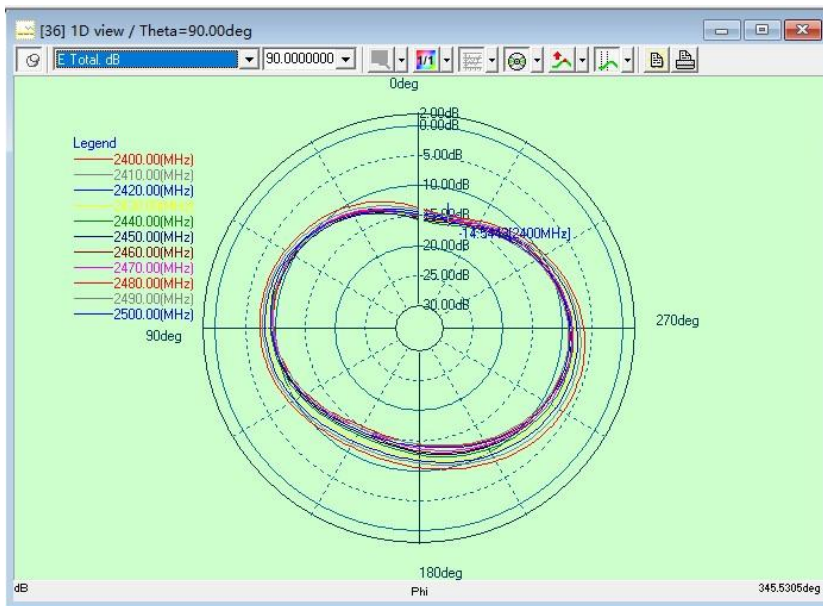
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	23.1%	-2.93
2410	21.4%	-3.41
2420	20.1%	-3.80
2430	18.6%	-4.00
2440	17.3%	-4.21
2450	16.9%	-4.80
2460	17.2%	-4.76
2470	17.3%	-4.83
2480	17.3%	-4.95
2490	17.8%	-4.68
2500	18.5%	-4.52

4. Test Result

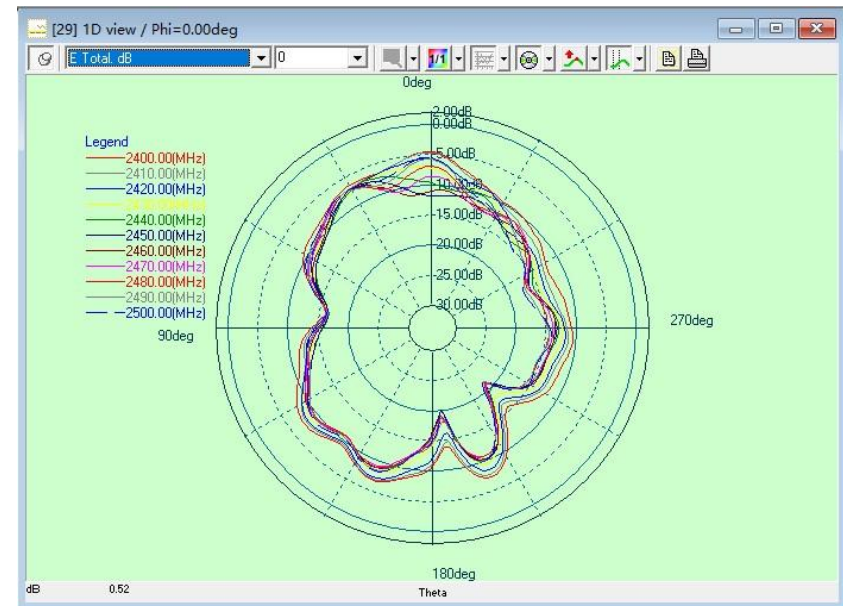
4.3 2D Pattern



Z-X



X-Y



Z-Y

Thank you !