

Antenna Test Report



Customer	MeiDong
Project	E11TV
Antenna Revision	A0
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Checked by	
Date: www.inpaq.com.tw	2026. 05. 27
Manufacturer	Shenzhen Dingyexin Electronics Co., Ltd.
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Purpose

This report is to measure the performance of antenna for **E11TV**.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***

1.Product Overview & Dimension

Antenna

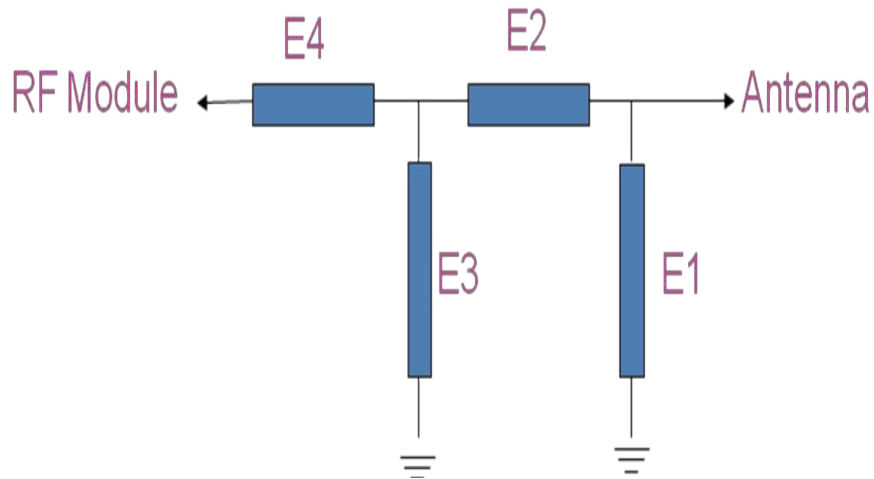


2. Test System

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	2.7NH
E2	1.3PF
E3	N/A
E4	N/A

4. Test Result

4.1 S11 Parameter-VSWR



Frequency	2400	2450	2480	2500
VSWR	2.68	2.91	3.34	3.67

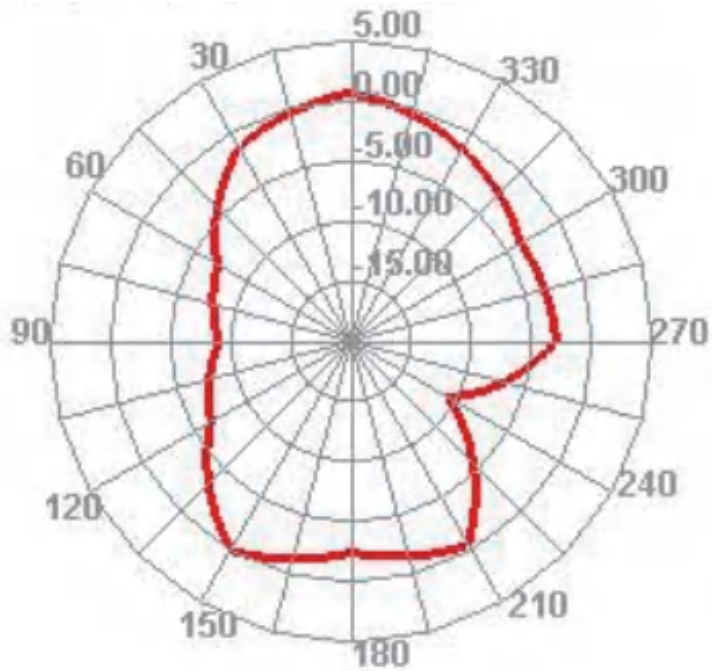
4. Test Result

4.2 Gain & Efficiency

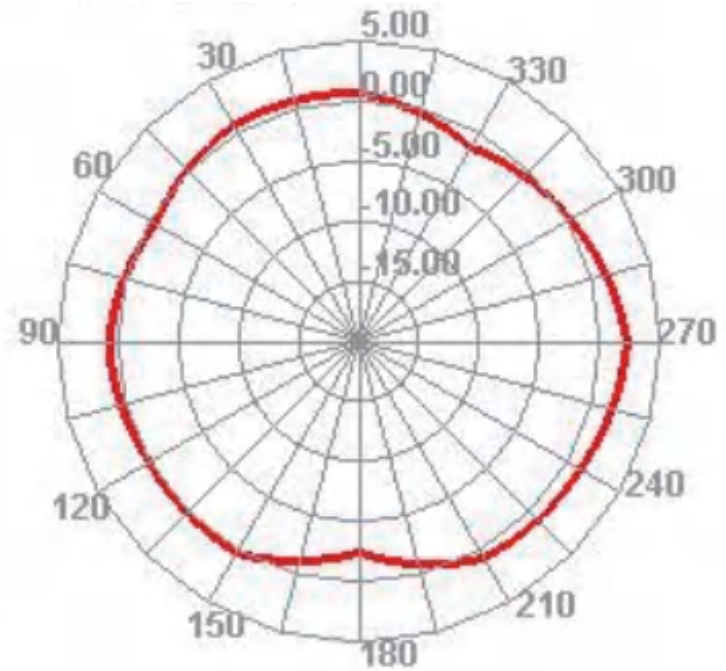
Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)
2400	15.3%	1.77
2410	15.9%	1.81
2420	15.8%	1.79
2430	15.3%	1.77
2440	15.1%	1.75
2450	16.7%	2.98
2460	16.9%	3.49
2470	16.5%	2.95
2480	16.8%	3.00
2490	17.0%	3.50
2500	17.1%	3.26

4. Test Result

4.3 2D Pattern

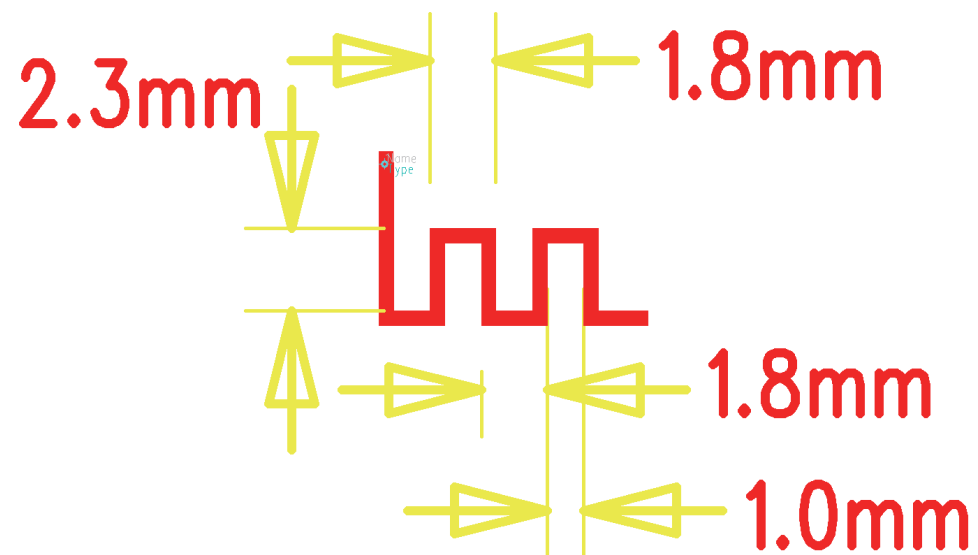


2400MHz



2490MHz

PCB板载天线尺寸



Thank you !