

Antenna Test Report



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Project	PB795
Antenna Revision	A0
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Checked by	
Date:	2026. 4. 20

Purpose

This report is to measure the performance of antenna for [PB795](#) .The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

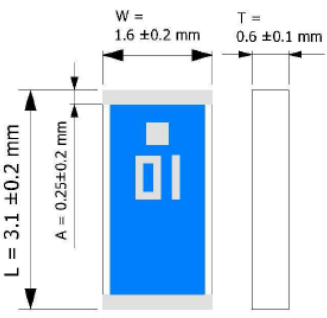
Content

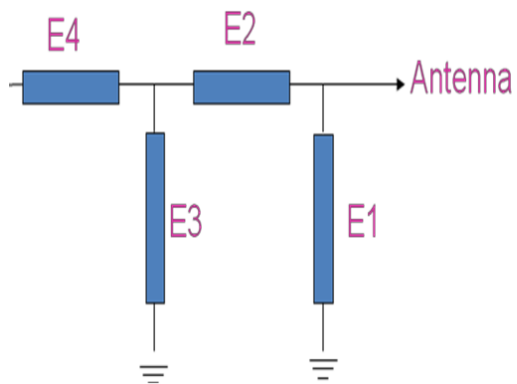
1. Product Overview & Dimension
2. Test system
3. Antenna Matching Network
4. Test Result
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 - 4.2 ***Gain & Efficiency***
 - 4.3 ***2D Pattern***
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1.Product Overview & Dimension

Antenna

DIMENSIONS

Figure	Symbol	Dimension (mm)
	L	3.10 ± 0.20
	W	1.60 ± 0.20
	T	0.60 ± 0.10
	A	0.25 ± 0.20



Element	Value
E1	N/A
E2	0.5nh
E3	1.2PF
E4	33pf



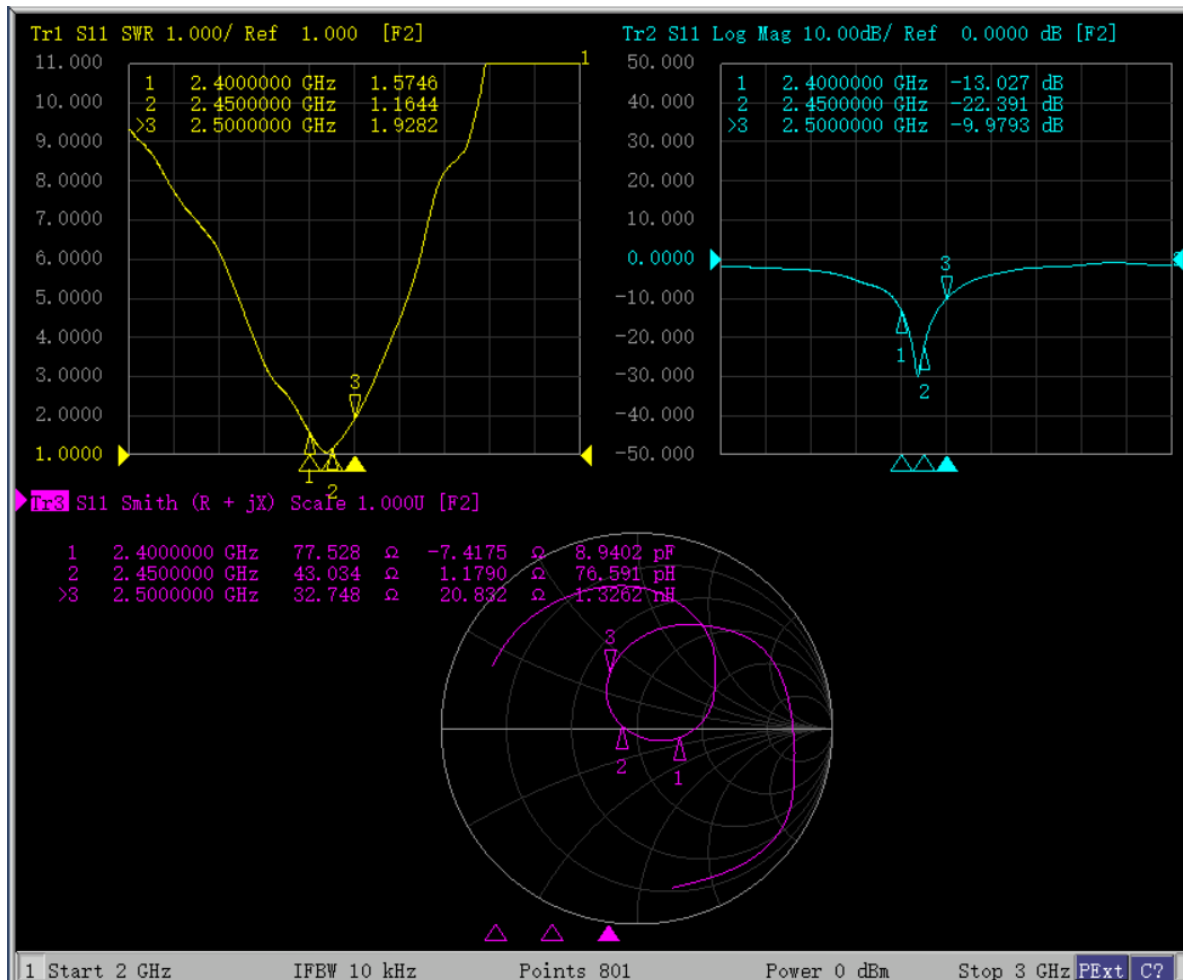
2. Test System

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



4. Test Result

4.1 S11 Parameter-VSWR



4. Test Result

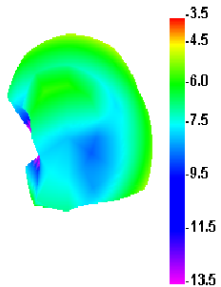
4.2 Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)	Beamwidth (3dB)
2402	13.96	-3.47	90
2410	15.76	-2.61	90
2420	16.7	-2.07	60
2430	16.56	-1.92	60
2440	16.21	-1.88	60
2450	15.86	-1.84	60
2460	15.41	-1.9	60
2470	14.65	-1.99	60
2480	14.94	-1.75	60

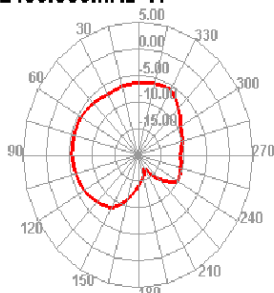
4. Test Result

4.3 2D Pattern

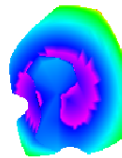
2400.000MHz



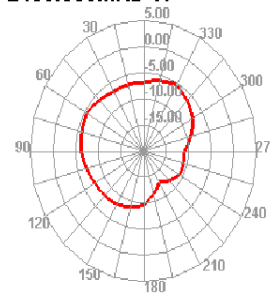
2400.000MHz H



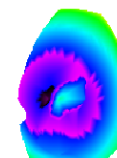
2450.000MHz



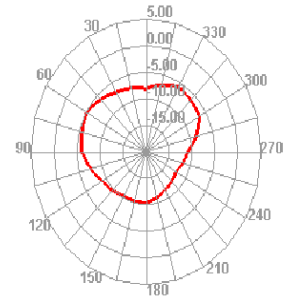
2450.000MHz H



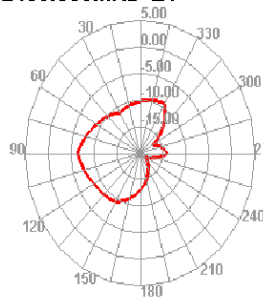
2500.000MHz



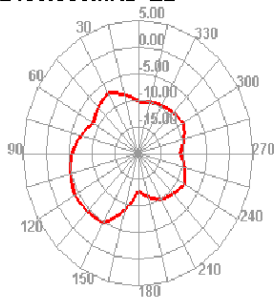
2500.000MHz H



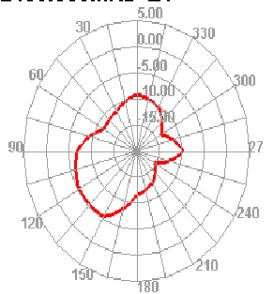
2400.000MHz E1



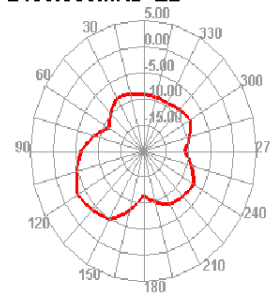
2400.000MHz E2



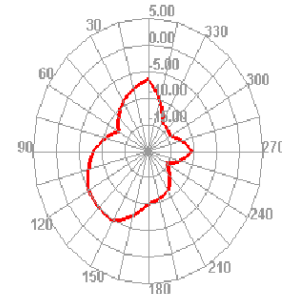
2450.000MHz E1



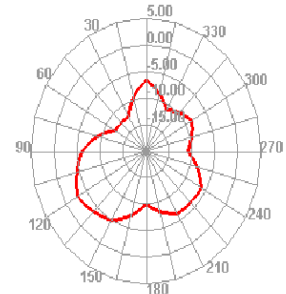
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2



Thank you !