

Antenna Test Report



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Project	PB796
Antenna Revision	A0
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Checked by	
Date:	2026. 4. 17

Purpose

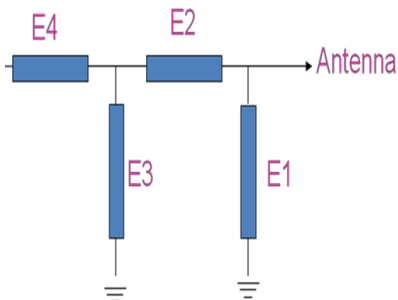
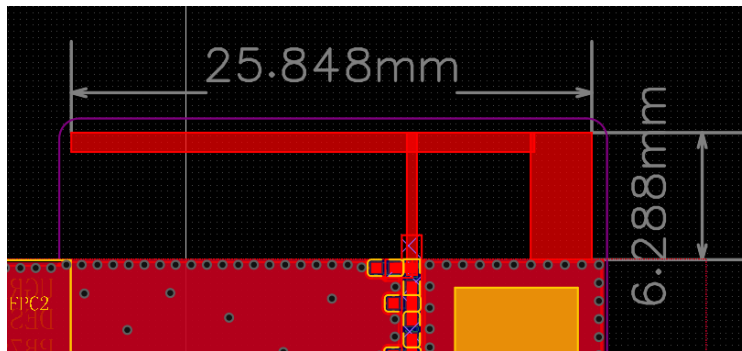
This report is to measure the performance of antenna for [PB796](#) .The antenna operating frequency at 2400-2500MHz, All test data are showed as below.

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1.Product Overview & Dimension

Antenna



Element	Value
E1	0.7pf
E2	3.3nh
E3	NA
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

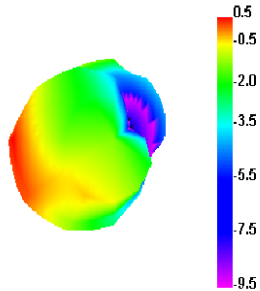
4.2 Gain & Efficiency

Frequency (MHz)	Efficiency (%)	Peak GAIN (dBi)	Beamwidth (3dB)
2402	46.5	0.48	150
2410	47.31	0.59	150
2420	48.11	0.7	150
2430	48.89	0.69	150
2440	50.1	0.71	150
2450	49.7	0.55	150
2460	49.33	0.52	150
2470	50.14	0.57	150
2480	53.53	0.76	150

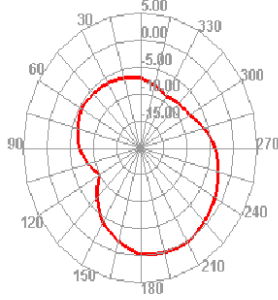
4. Test Result

4.3 2D Pattern

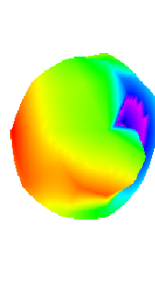
2400.000MHz



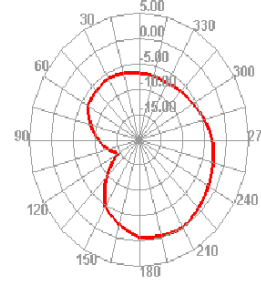
2400.000MHz H



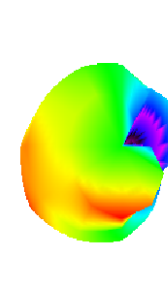
2450.000MHz



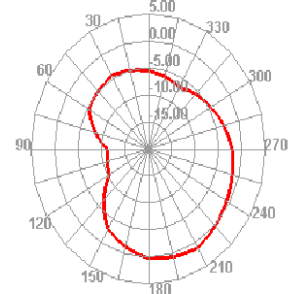
2450.000MHz H



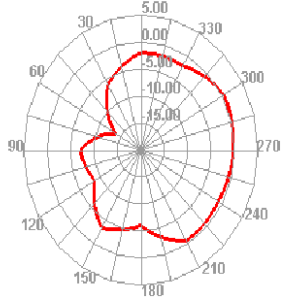
2500.000MHz



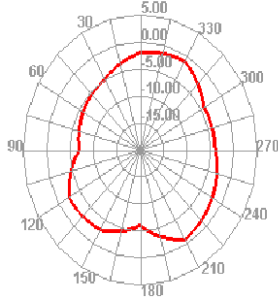
2500.000MHz H



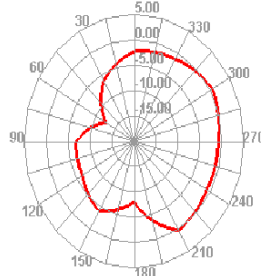
2400.000MHz E1



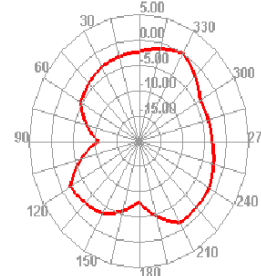
2400.000MHz E2



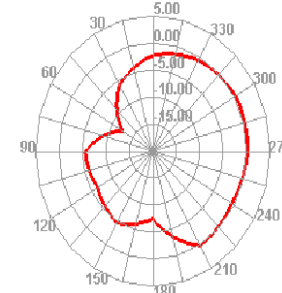
2450.000MHz E1



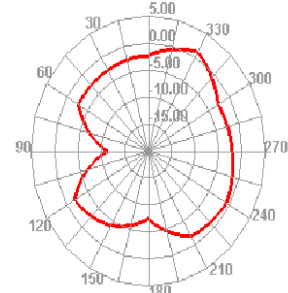
2450.000MHz E2



2500.000MHz E1



2500.000MHz E2



Thank you !