

Shenzhen Xiongchuanglian Electronics Co., Ltd.

No. 64 Baotong South Road, Xikeng community, Yuanshan Street, Longgang District, Shenzhen, China

Sample Acknowledgement Form

Table of Contents:	<input type="checkbox"/> blueprint <input type="checkbox"/> Test Data	<input type="checkbox"/> Packaging <input type="checkbox"/> Reliability Testing	<input type="checkbox"/> Rohs reporting
Reason for Sample Submission:	<input type="checkbox"/> First Sample Delivery <input type="checkbox"/> Replacement of expired samples	<input type="checkbox"/> Sample Loss Replacement	<input type="checkbox"/> Duplicate samples
Supplier Name:	Shenzhen Xiongchuanglian Electronics Co.		
Supplier Part Number:	F030-000689	Name and model:	
Customer Part Number/Version:		Module cave number:	
Supplier Specification/Date:	Supplier audit/date:	Customer R & D confirmation/date:	Customer Quality Confirmation/Date:
2025/8/15	2025/8/15		
Note:			

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Resume Of Changes In Documentation

Form number:QR-ZYX-084 releases: A0

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Written Acknowledgement

APPROVA

releases: A0

Clients:

DESCRIPTION: **IPEX-2.4/5.8G Black Security Outlet Antenna Gray Wire L-70MM**

PART NO: **F030-000689**

CUS PART NO:

DATE: 2025-08-15

Xiongchuanglian Submission Signed

ENGINEERING DEPARTMENT	Q C DEPARTMENT	SALES DEPARTMENT
Liu Yuan Yuan	Tang Wenzhen	

Client Acknowledges Signature

ENGINEERING DEPARTMENT	Q C DEPARTMENT	PURCHASING DEPARTMENT

※ Customer Confirmation Sample Attachment:

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Technical Parameters Of electrical Appliances

Electrical Specifications

Frequency Range	2400-2500MHz 5150~5850MHz
VSWR	≤2.0
Input Impedance	50 Ω

Mechanical Specifications

Antenna Color	Gray 70mm
Working Temperature	-20°C~+75°C
Working Humidity	20~80%

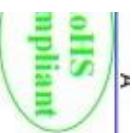
Environmental Performance Testing:

Project	Test Condition	Norm
Storage environment	Test temperature, humidity and air pressure without specification as follows: 1. The temperature is -30 °C— + 80 °C 2. Relative humidity 45%-85% 3. Pressure 86-106 kpa	Electrical and mechanical properties are normal
High and low temperature test	Five cycles were performed between 70 °C and 40 °C, followed by 1-2 h under normal conditions to check appearance quality.	The dimensions shall meet the requirements and shall satisfy the mechanical and electrical properties
Constant Damp Heat Test	Relative humidity $95 \pm 3\%$, test temperature: 40 °C. After 2 hours, test the electrical properties within 5 minutes after taking out the sample, and check the appearance quality after 1-2 hours under normal conditions	The dimensions shall meet the requirements and shall satisfy the mechanical and electrical properties
Vibration test	Vibration frequency range 10-55HZ, displacement amplitude: 0.35 mm, acceleration amplitude: 50.0 m/s, sweep cycles: 30	Electrical and mechanical properties are normal
Drop test	Free Fall 3 times at 1m height in the direction perpendicular to each other	Electrical and mechanical properties are normal

Product Drawings:

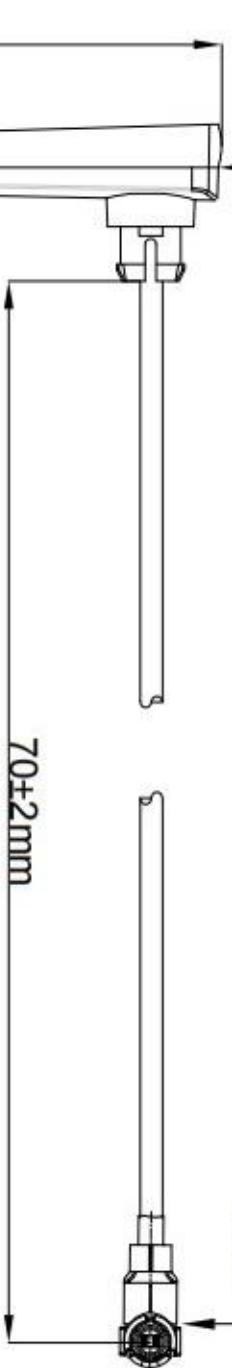
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Black shell

IPEX



88mm

11.98mm

88mm

70±2mm

Requirements:

1. The finished product shall be 100% tested at OK
2. 100% complete inspection of finished products OK
3. Adopting environmentally friendly process products
4. Meet RoHS requirements
5. If no tolerance is indicated, the normal tolerance shall prevail.

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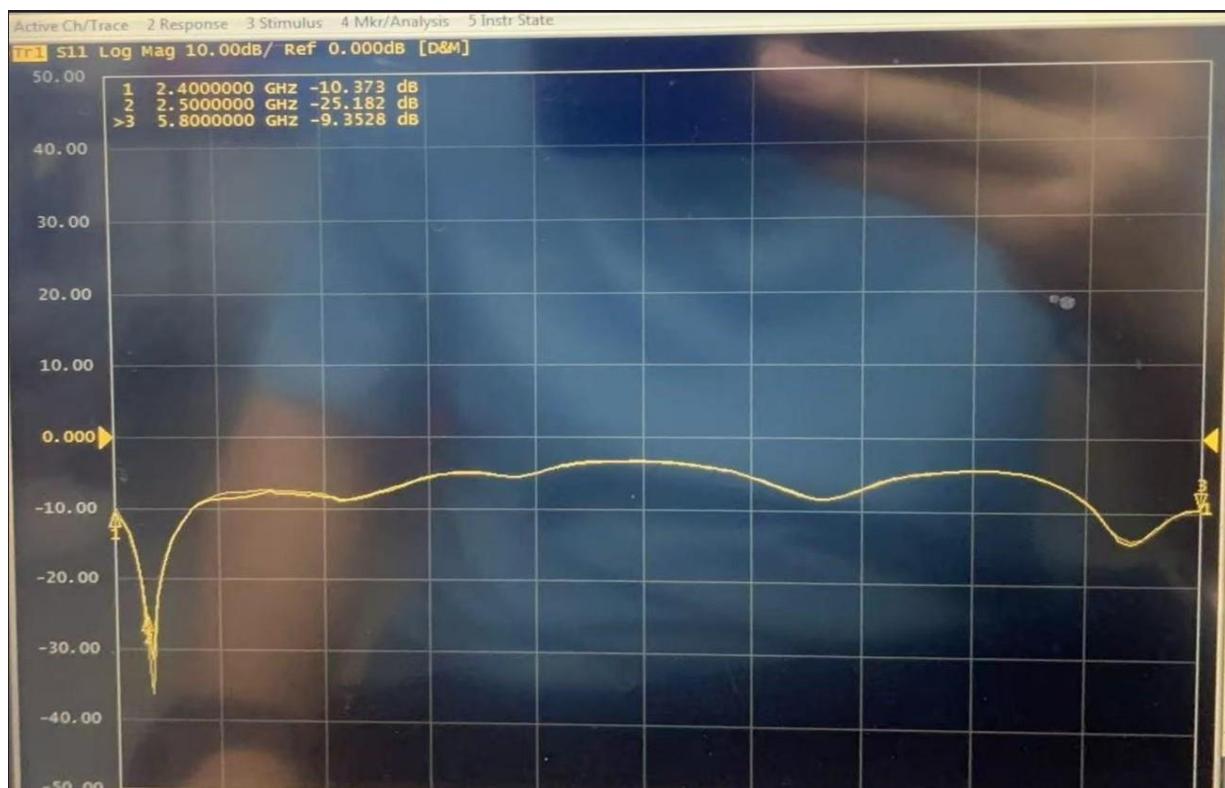
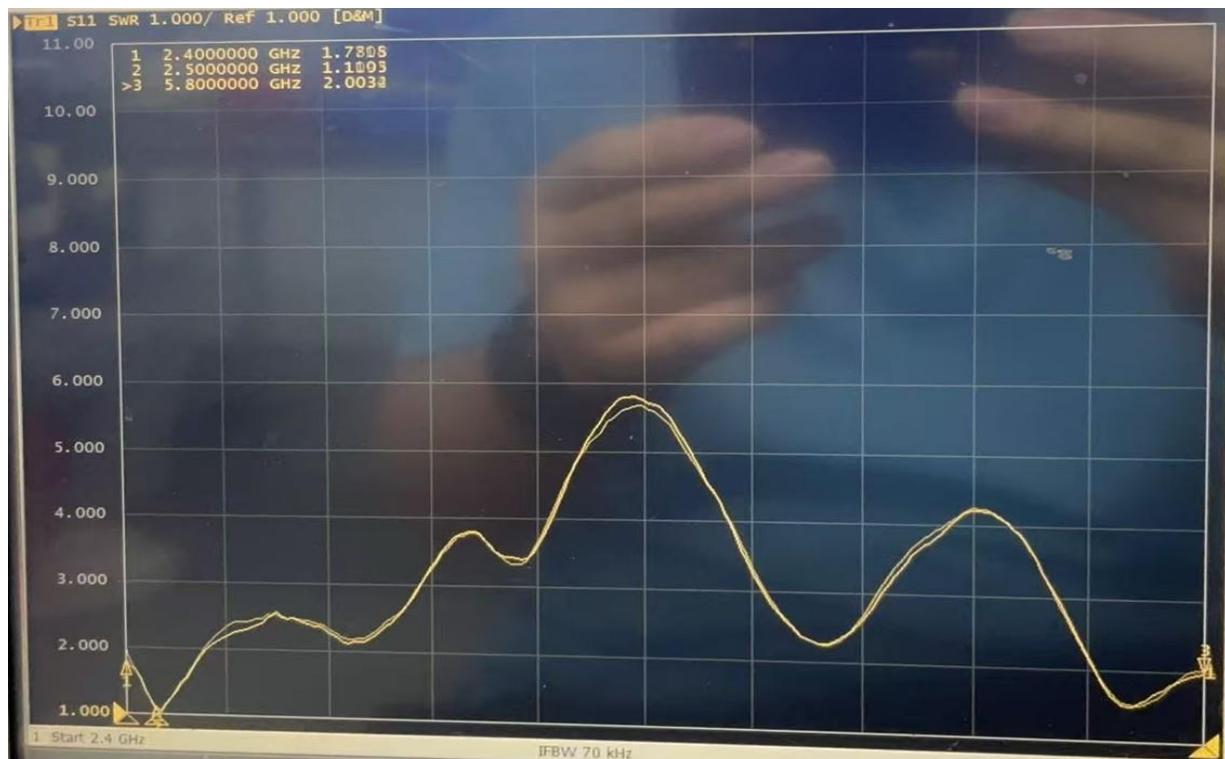
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General Tolerances	0~1 1~10 11~30 31~100 101~300 301~	±0.1 ±0.3 ±0.5 ±0.8 ±1.0 ±2.0	PRODUCT NAME PART NAME CUS PART NAME DRAW	IPEX-2.4g 8g black security outlet antenna gray line L. F030-000672	REV CHECK APP.	DATE DATE PAGE	DESCRIPTION	NA
			ANGULAR The third angle method	A0		2025-08-15		

A
B
C
D
E
F
G

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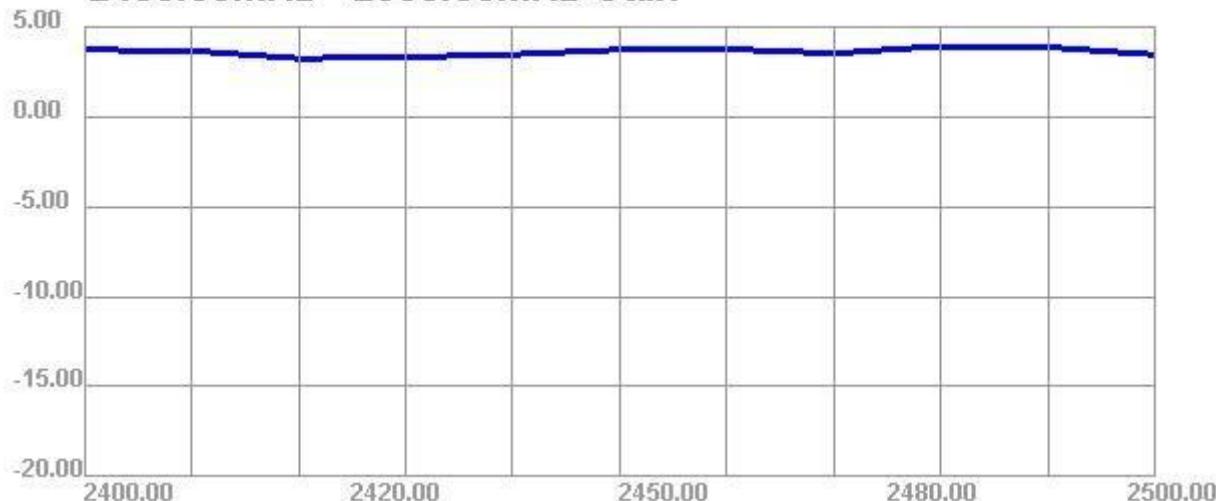


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Passive Test For 2400-2500			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.88	-2.02	3.72
2410	63.21	-1.99	3.66
2420	61.2	-2.13	3.24
2430	62.32	-2.05	3.31
2440	66.6	-1.77	3.46
2450	69.99	-1.55	3.73
2460	71.78	-1.44	3.76
2470	69.04	-1.61	3.52
2480	72.61	-1.39	3.92
2490	73.86	-1.32	3.86
2500	70.13	-1.54	3.44

2400.00MHz - 2500.00MHz Gain

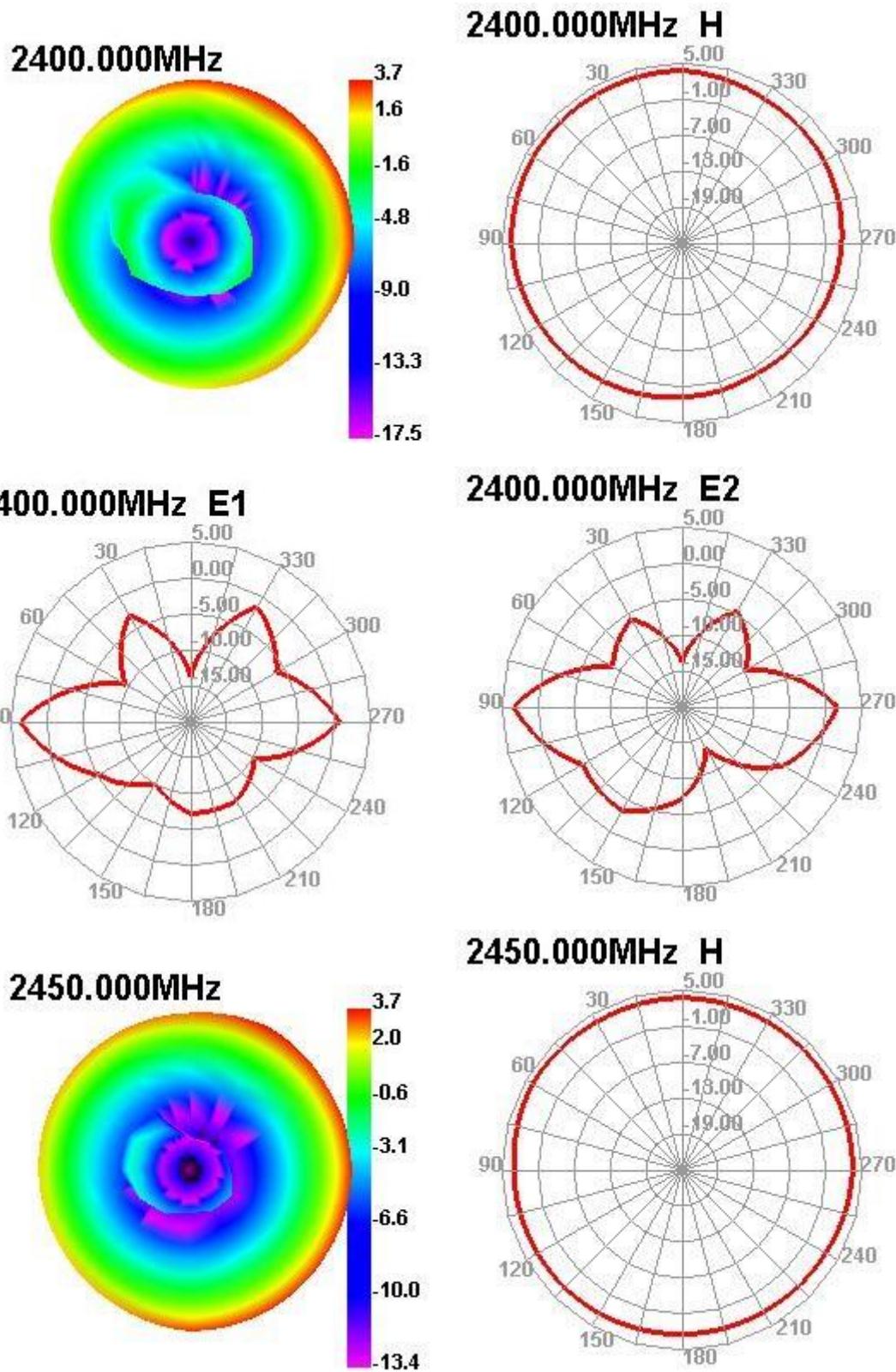


2400.00MHz - 2500.00MHz Efficiency



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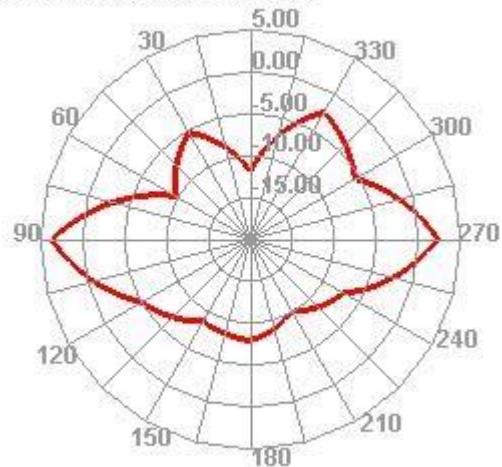
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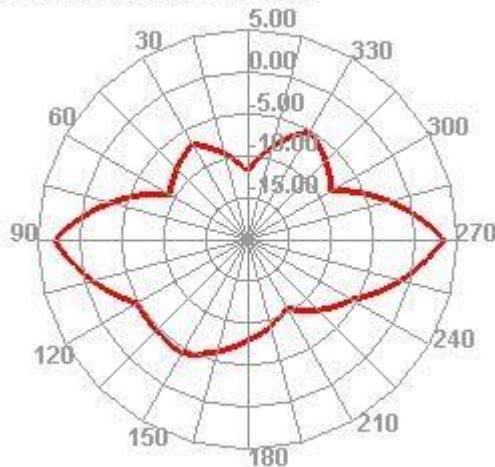
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2450.000MHz E1



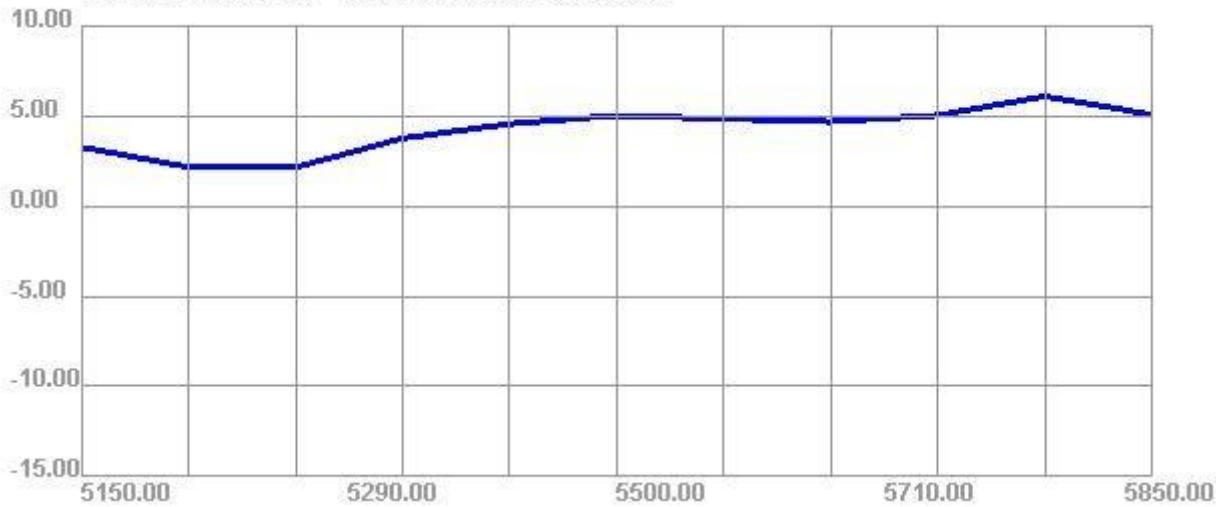
2450.000MHz E2



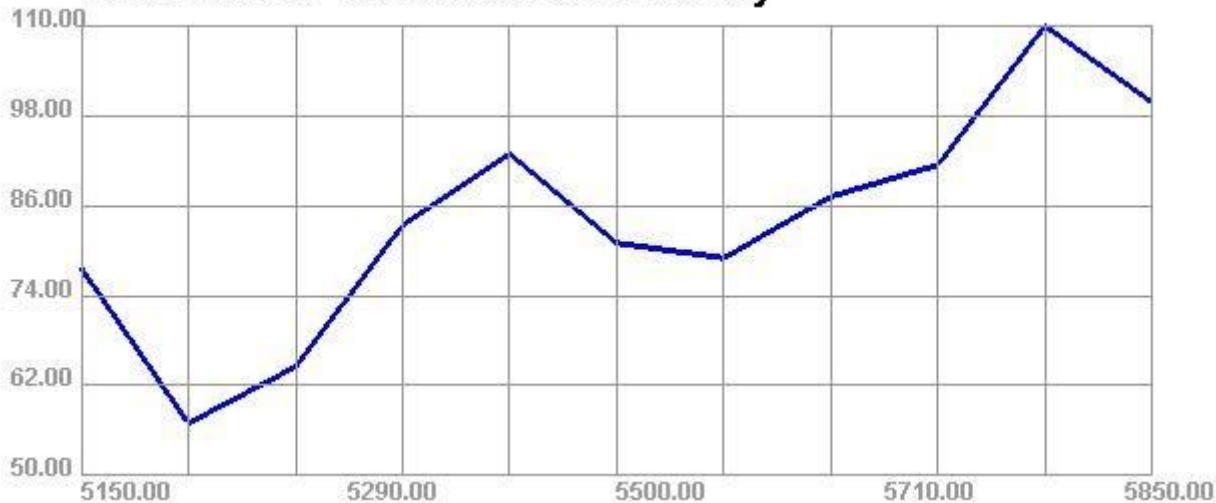
Passive Test For 5150-5850

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	77.65	-1.1	3.27
5220	56.98	-2.44	2.17
5290	64.53	-1.9	2.15
5360	83.38	-0.79	3.76
5430	92.89	-0.32	4.56
5500	81.02	-0.91	5.03
5570	79.02	-1.02	4.84
5640	87.21	-0.59	4.69
5710	91.45	-0.39	5.04
5780	99.97	0.41	6.09
5850	99.76	-0.01	5.07

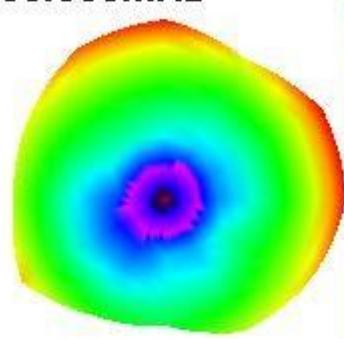
5150.00MHz - 5850.00MHz Gain



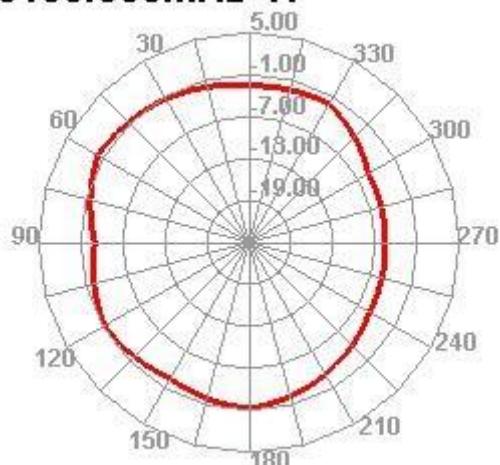
5150.00MHz - 5850.00MHz Efficiency



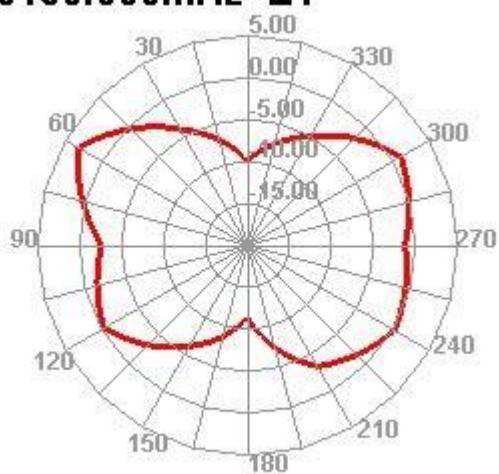
5150.000MHz



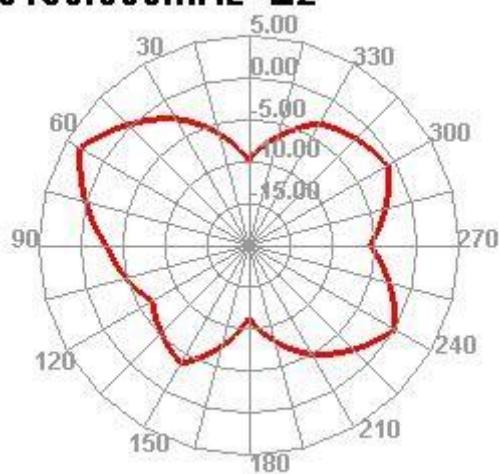
5150.000MHz H



5150.000MHz E1

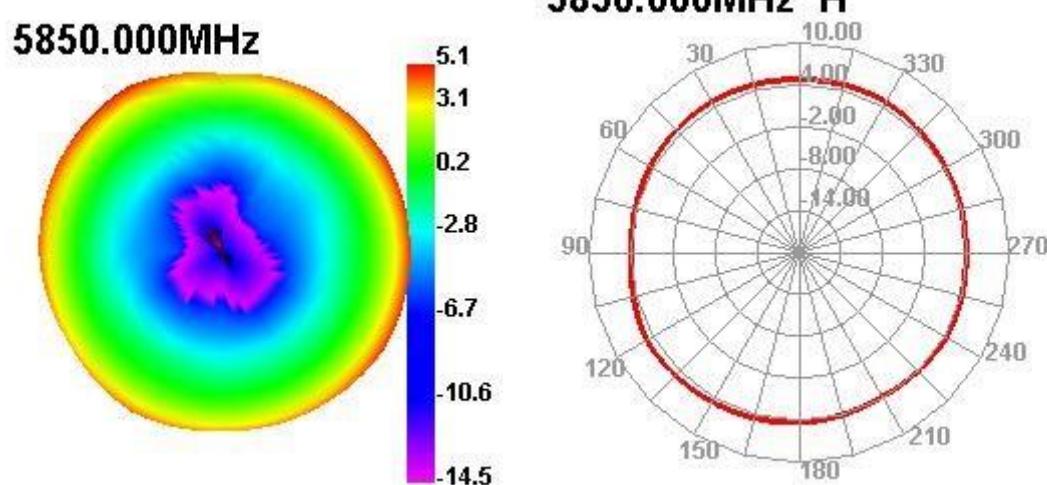
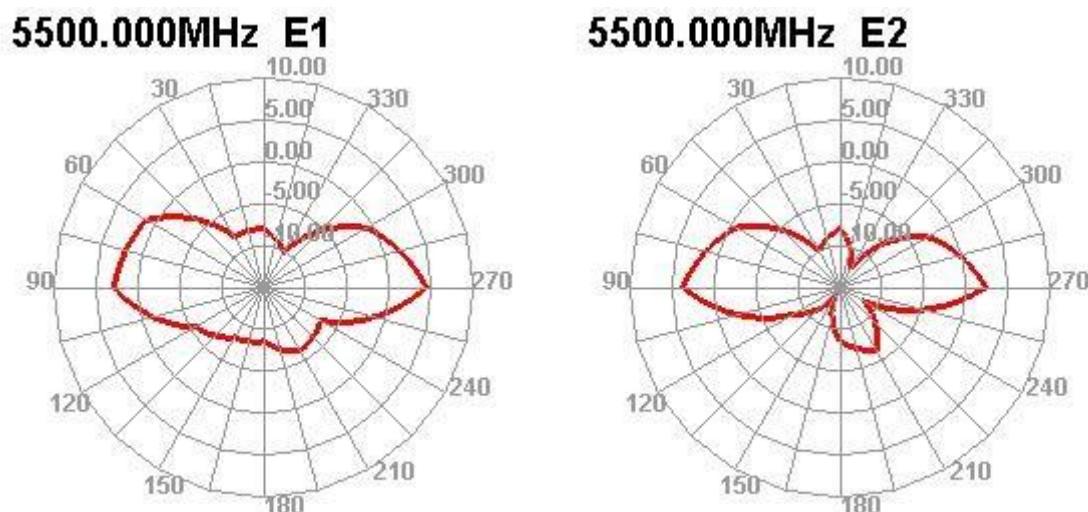
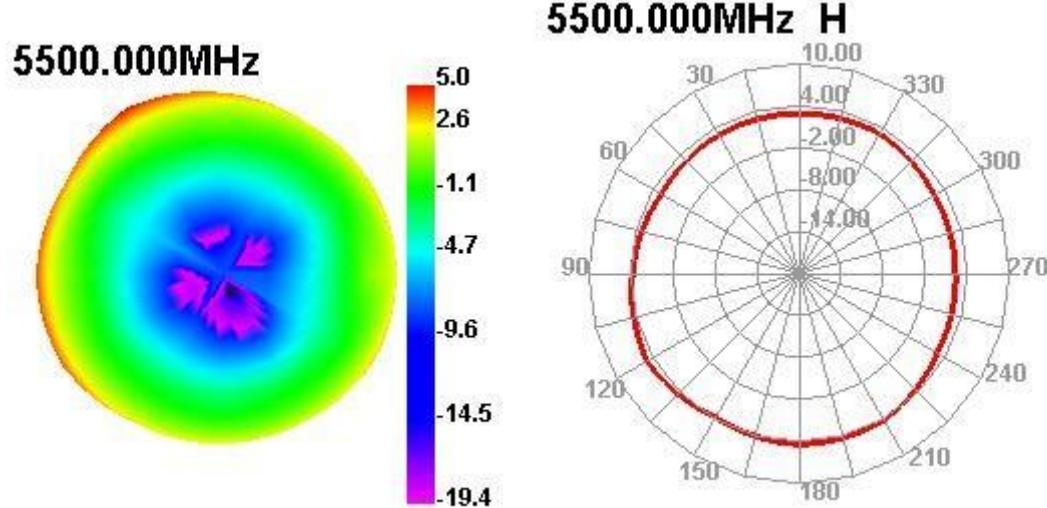


5150.000MHz E2



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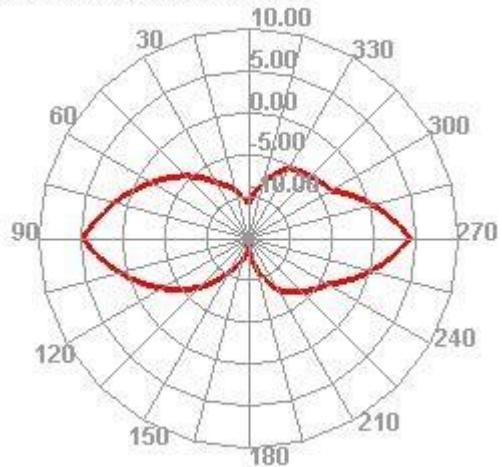
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5850.000MHz E1



5850.000MHz E2

