

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:					

Shenzhen Xionghuaguan Electronics Co., Ltd.

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Resume Of Changes In Documentation
Form number:QR-ZYX-084 releases: A0

Product Model				Record of document changes			
serial number	Type of change	Document number	Date of change	Description of changes	revise	releases	note

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Written Acknowledgement

releases: A0

APPROVA

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

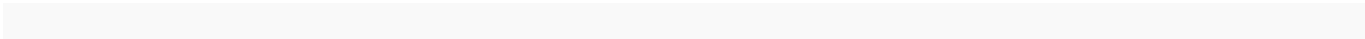
Mechanical Specifications

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

Environmental Performance Testing:

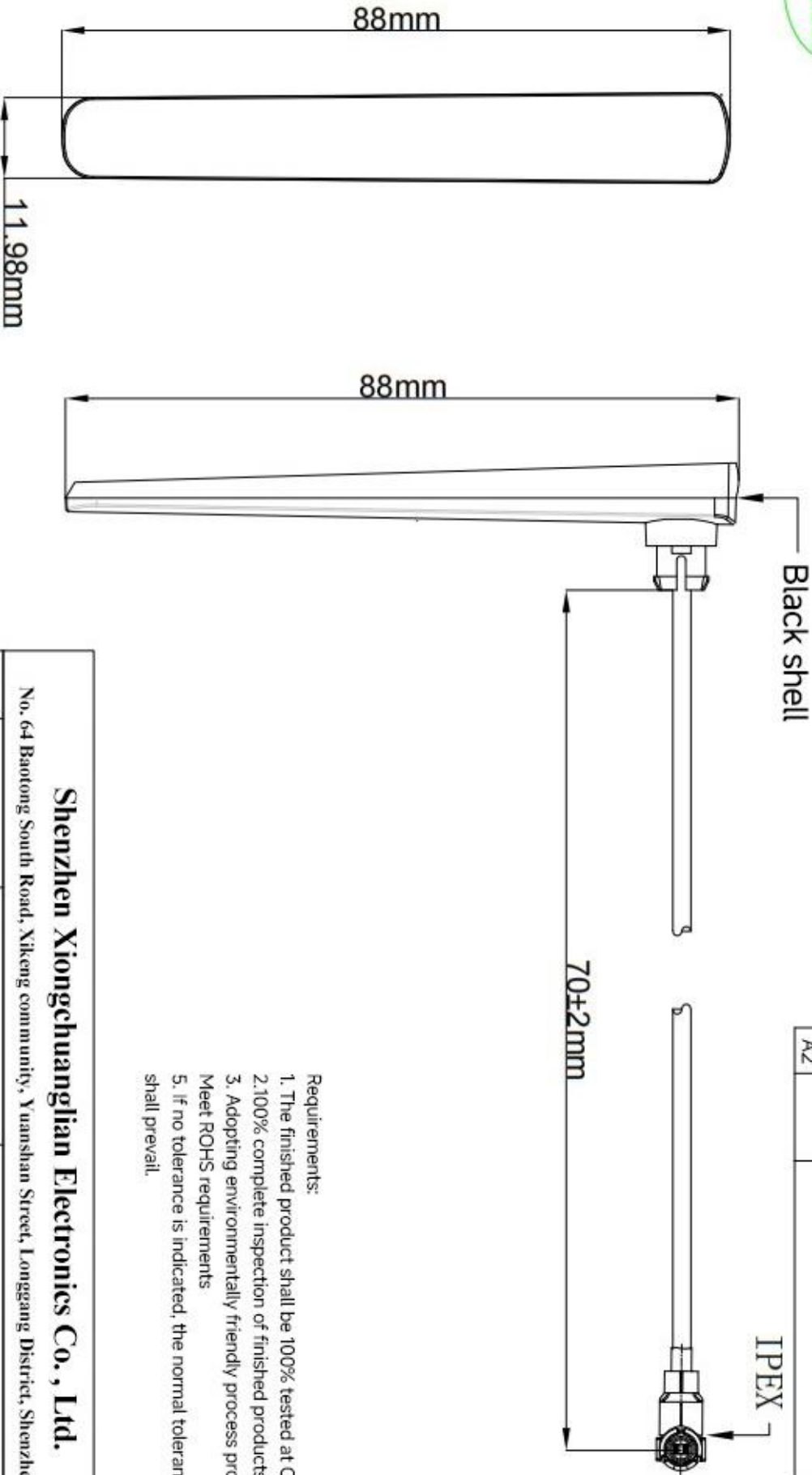
Project	Test Condition	Norm
Storage environment	Test temperature, humidity and air pressure without specification as follows: 1. The temperature is -30 ℃— + 80 ℃ 2. Relative humidity 45%-85% 3. Pressure 86-106 kpa	Electrical and mechanical properties are normal
High and low temperature test	Five cycles were performed between 70 ℃ and 40 ℃, 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 ± 3% , test temperature: 40 ℃. 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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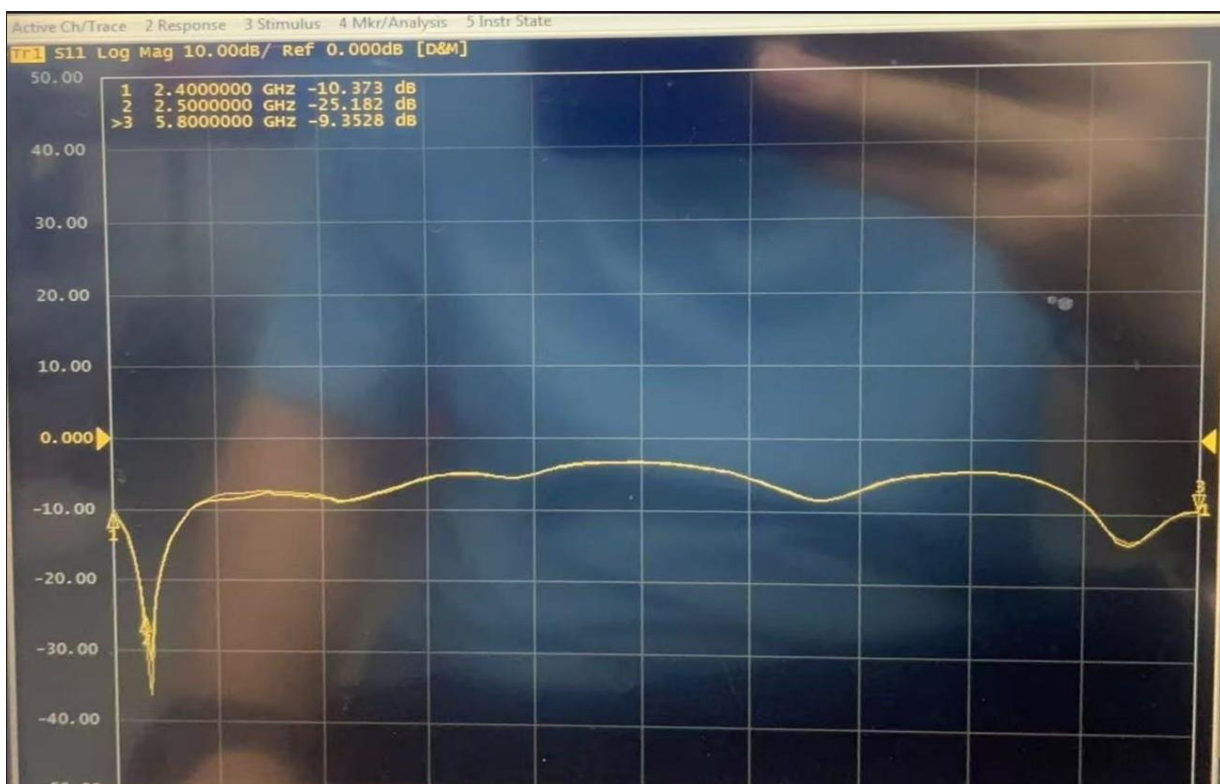
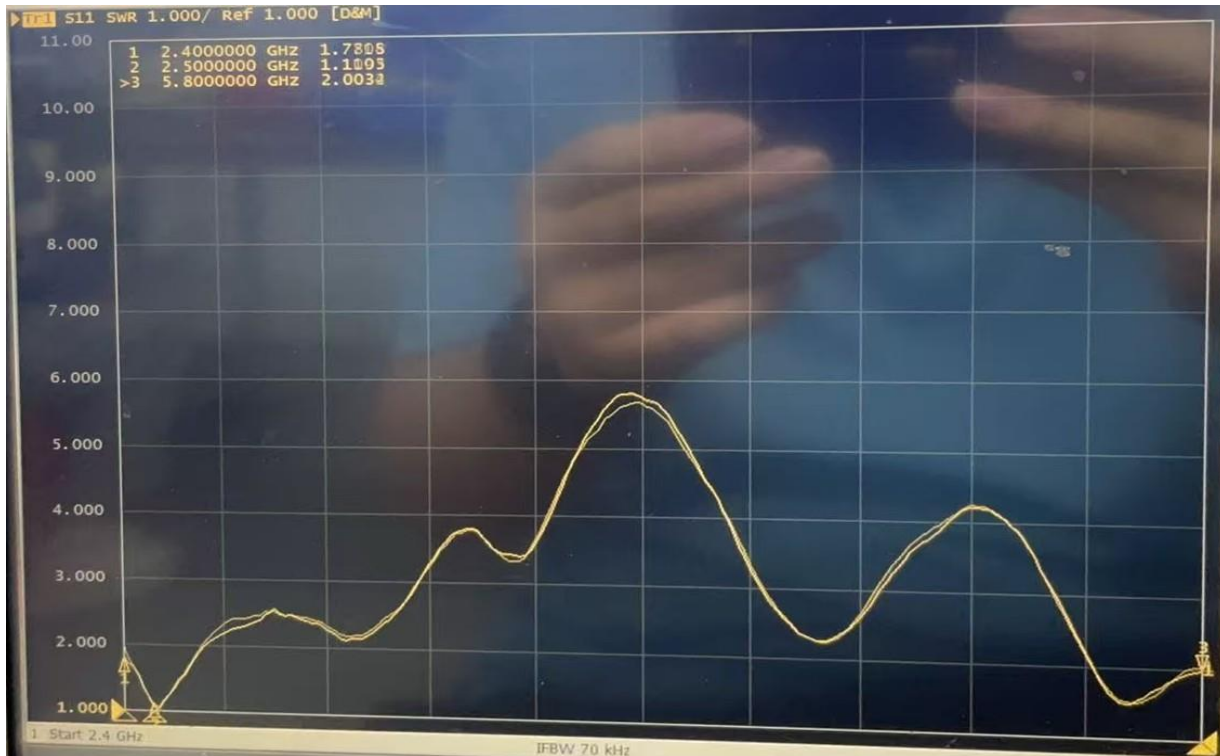
REV	DATE	DESCRIPTION	NA
A1			
A2			

- 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
 - Meet ROHS requirements
 - 5. If no tolerance is indicated, the normal tolerance shall prevail.

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General Tolerances	0~1	±0.1	PRODUCT NAME
	1~10	±0.3	PART NAME
	11~30	±0.5	
	31~100	±0.8	CUS PART NAME
	101~300	±1.0	
	301~	±2.0	
	ANGULAR	±1°	
The third angle method			
DRAW		REV	A0
CHECK		DATE	2025-08-15
APP.		PAGE	1/1

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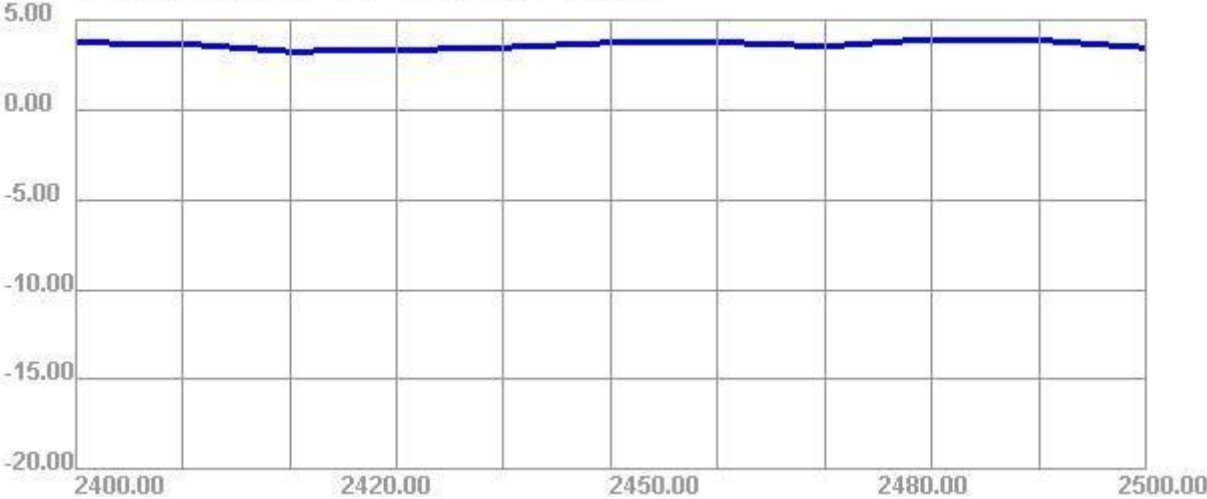


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Passive Test For 2400-2500			
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	62.88	-2.02	3.72
2410	63.21	-1.99	3.66
2420	61.2	-2.13	3.24
2430	62.32	-2.05	3.31
2440	66.6	-1.77	3.46
2450	69.99	-1.55	3.73
2460	71.78	-1.44	3.76
2470	69.04	-1.61	3.52
2480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



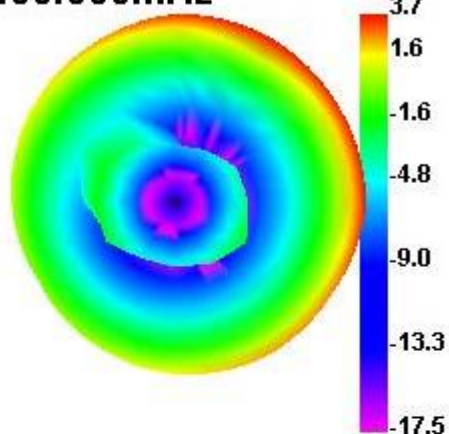
2400.00MHz - 2500.00MHz Efficiency



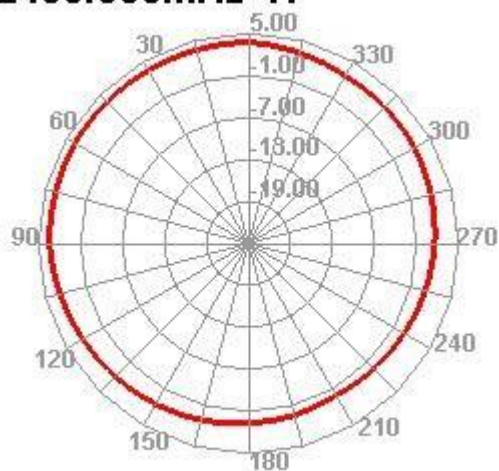
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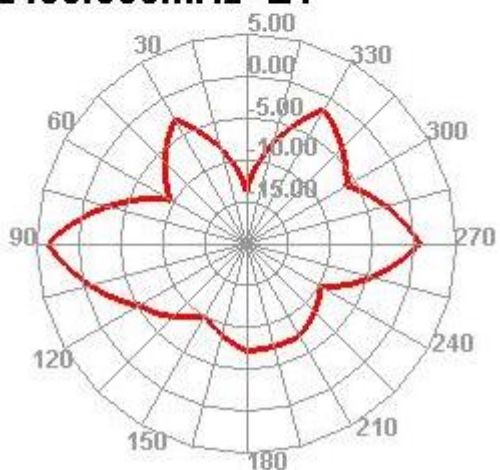
2400.000MHz



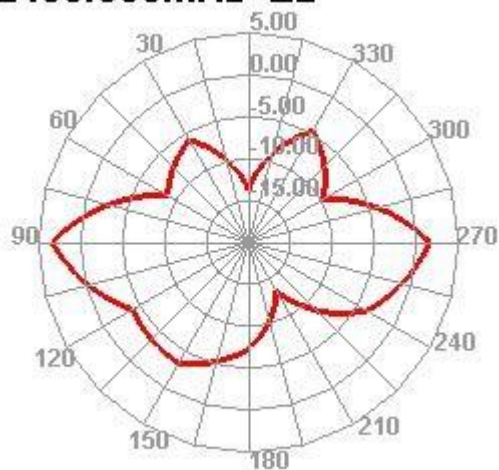
2400.000MHz H



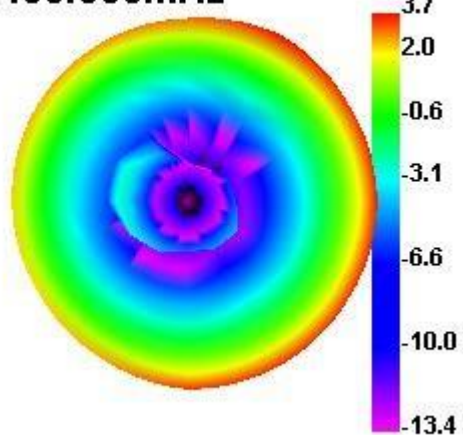
2400.000MHz E1



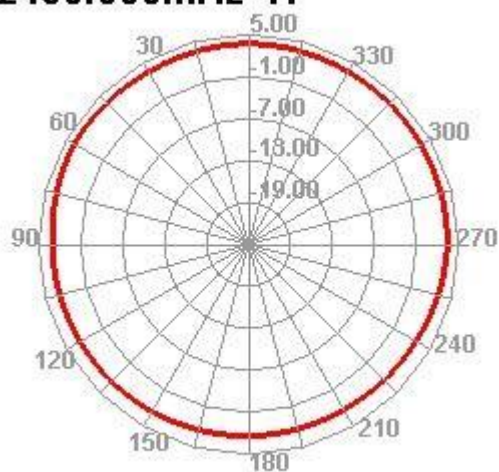
2400.000MHz E2



2450.000MHz



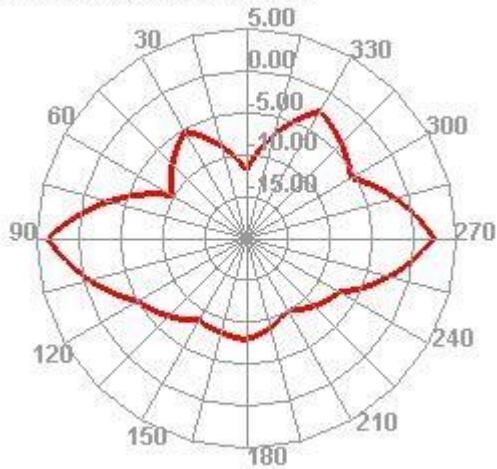
2450.000MHz H



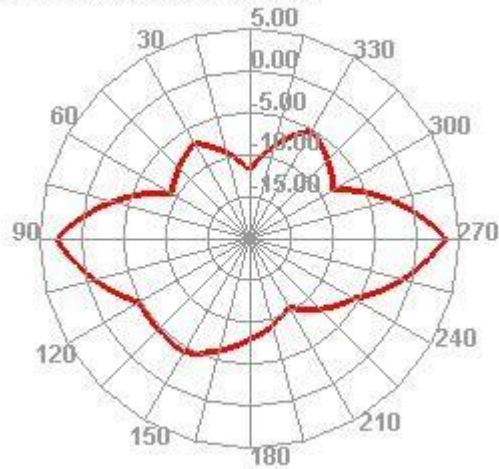
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2450.000MHz E1



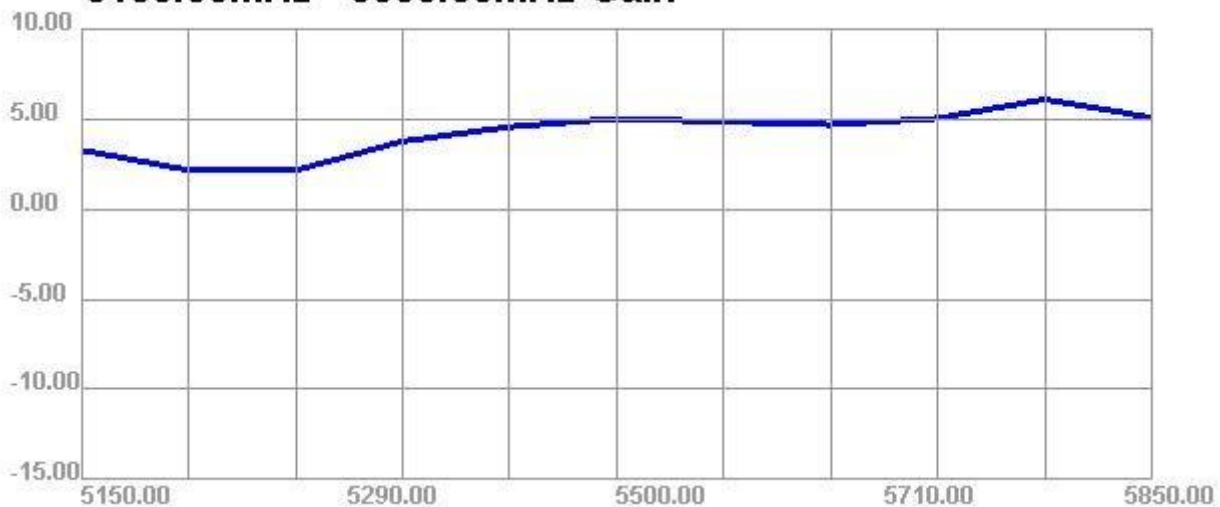
2450.000MHz E2



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

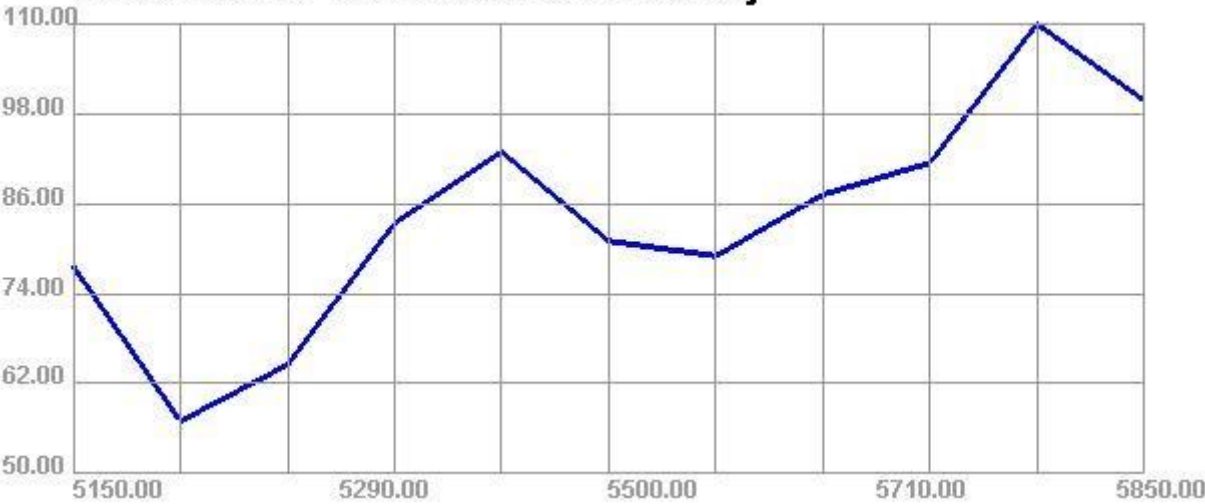
5150.00MHz - 5850.00MHz Gain



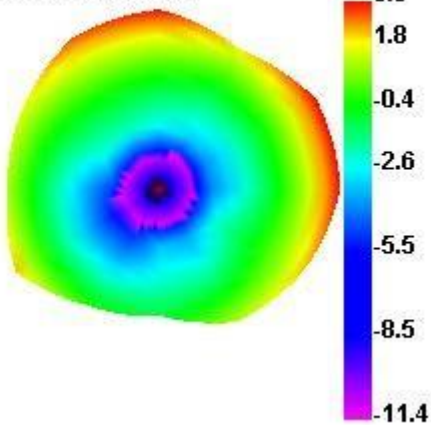
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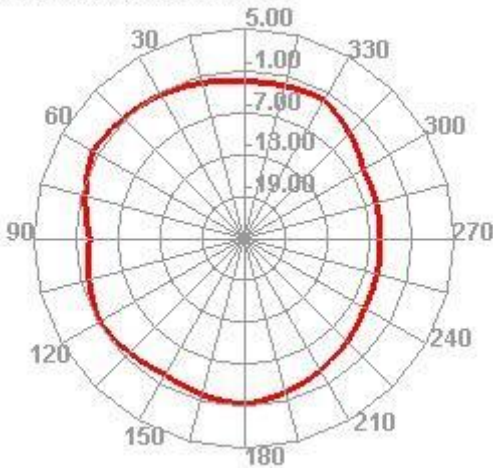
5150.00MHz - 5850.00MHz Efficiency



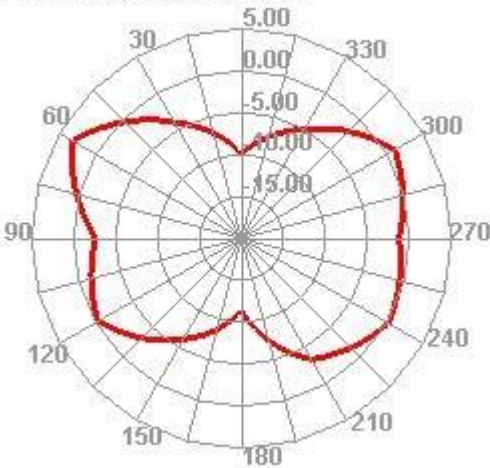
5150.000MHz



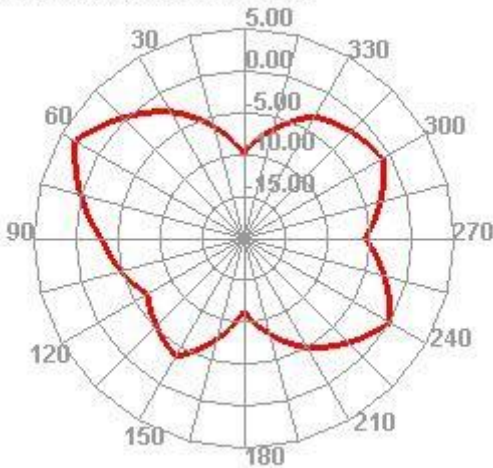
5150.000MHz H



5150.000MHz E1



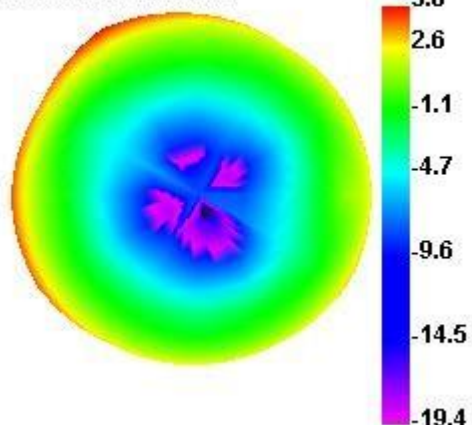
5150.000MHz E2



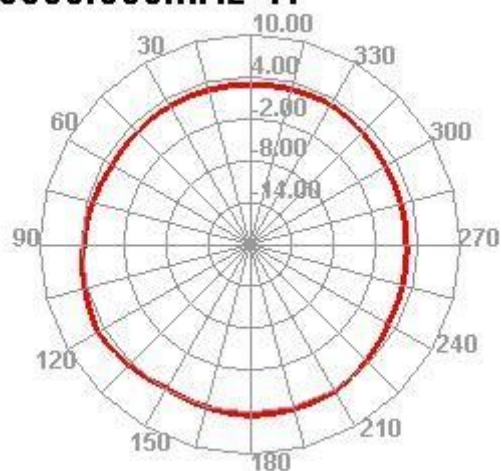
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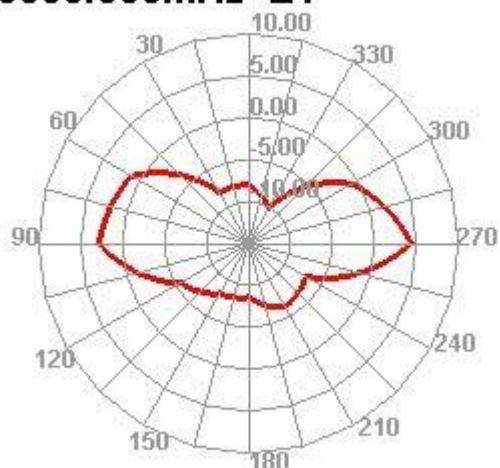
5500.000MHz



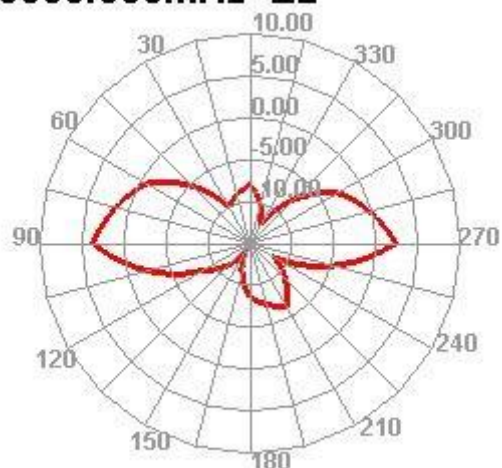
5500.000MHz H



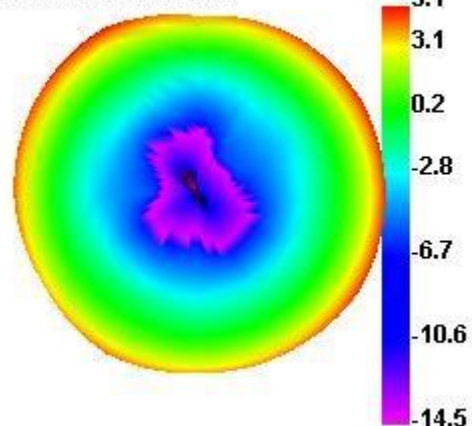
5500.000MHz E1



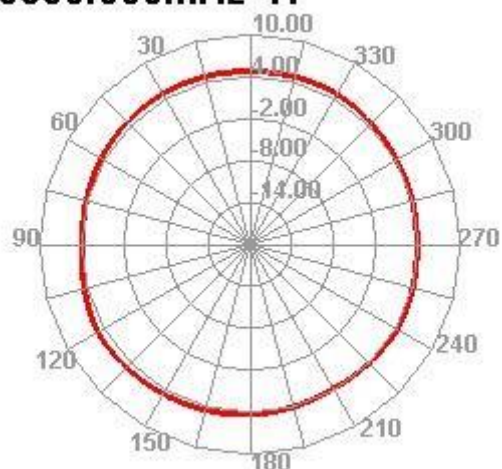
5500.000MHz E2



5850.000MHz



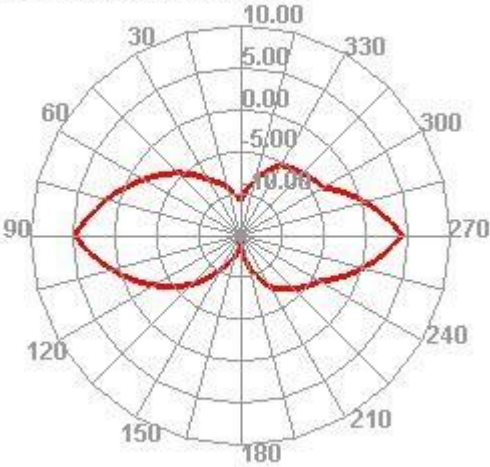
5850.000MHz H



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5850.000MHz E1



5850.000MHz E2

