

Antenna Specifications

At Wavelink, our aim is to provide timely and comprehensive services to our customers. If you require any assistance, please contact our headquarters:

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Wavelink Certifications:



Wavelink Partners:

Skyworth NARI

flex

 **HUAWEI**

 **VVDN**
TECHNOLOGIES

Tenda Infinova®

dji

Hikvision

JABIL

Catalogue

1	Product Description	3
2	Product Features	3
3	Product Specifications	3
4	Overall Performance	4
5	Product Size	7
6	Others	8

1 Product Description

This wavelink antenna covers WIFI2.4G.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	2400-2500MHz
Input Impedance	50 Ω
VSWR	<2

Gain	<3 dBi
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Polarization Type	Linear
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Mechanical Specifications

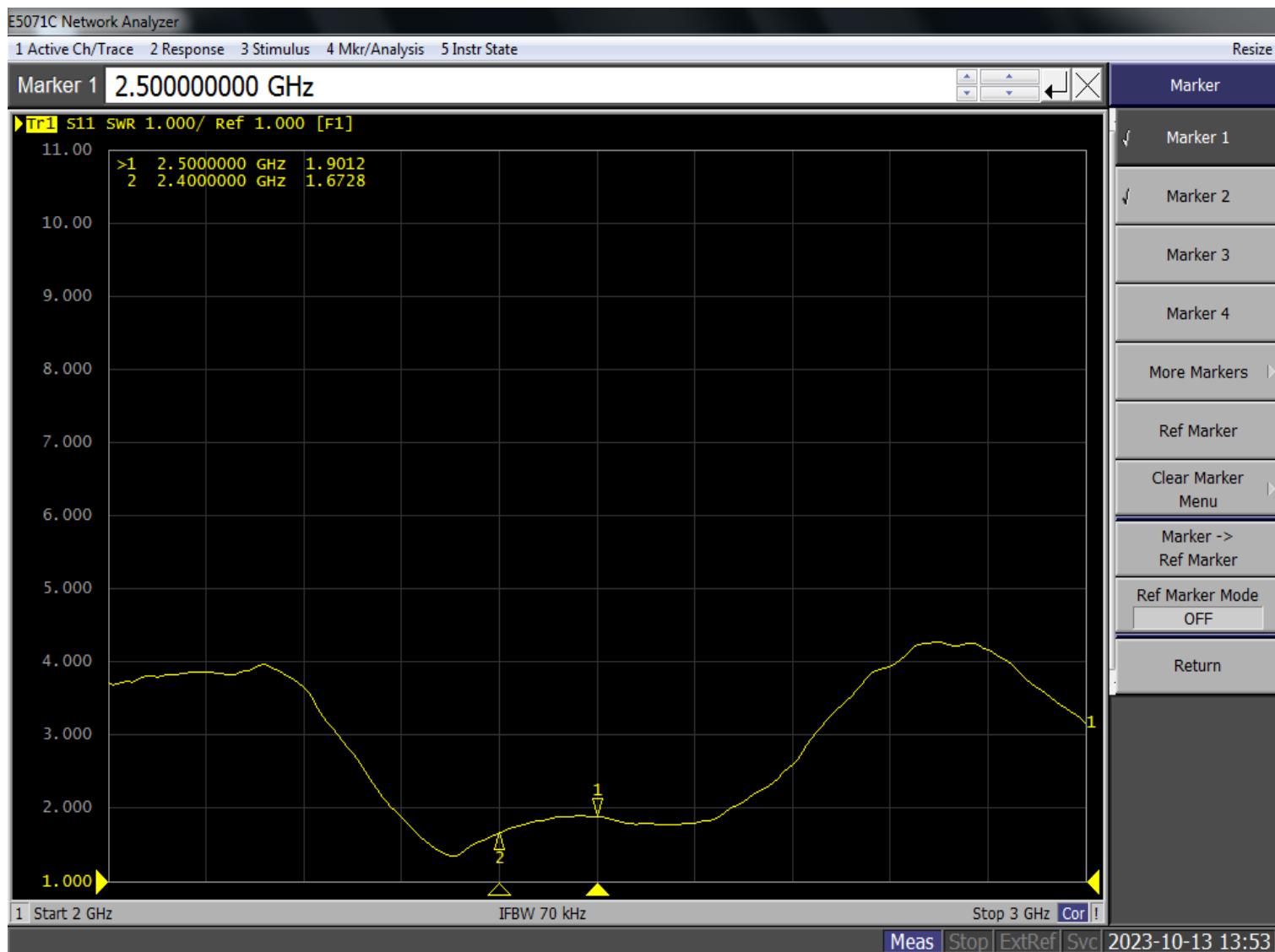
Antenna Size	260mm
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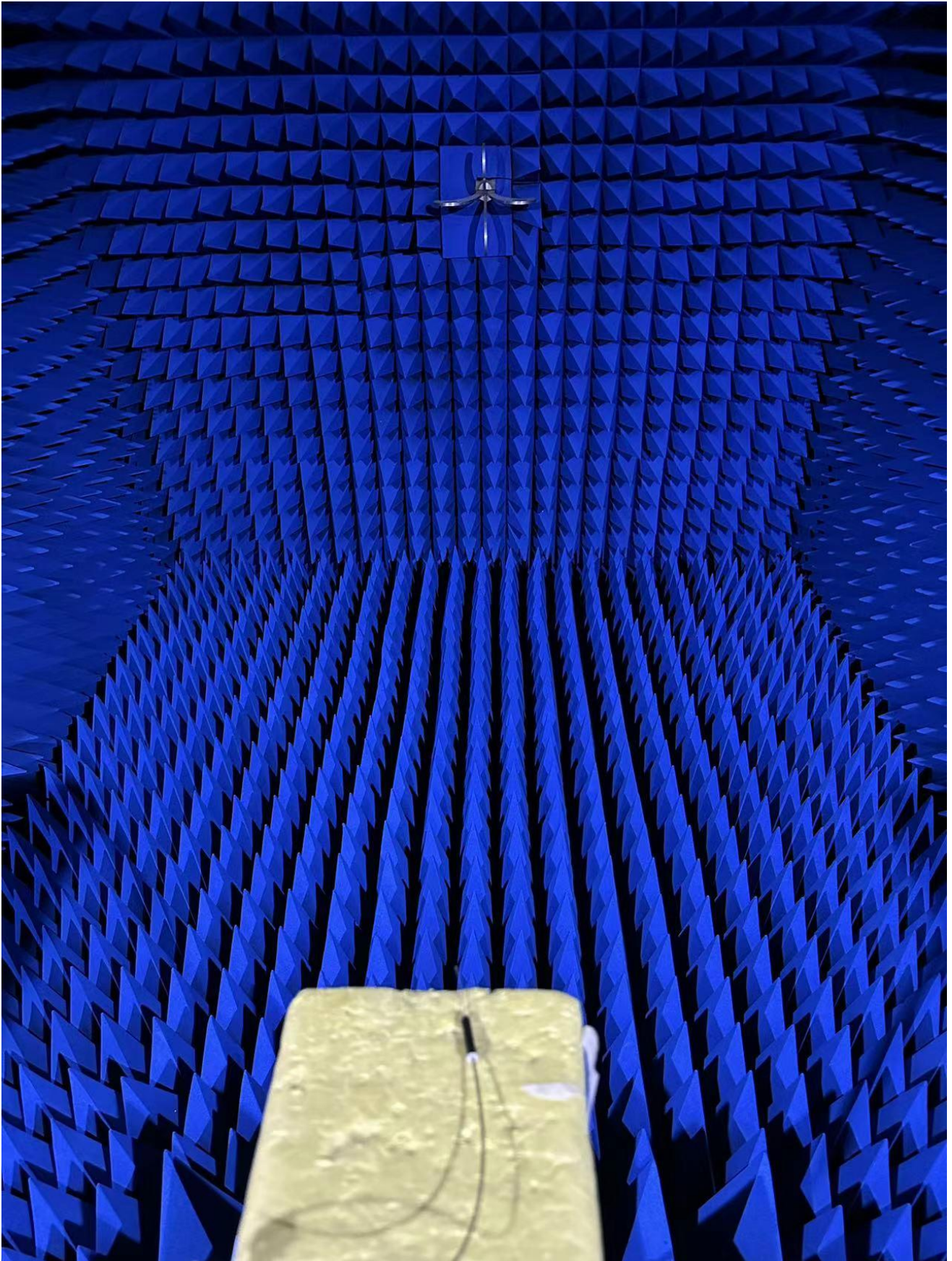
Connector Type	I-PEX
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Working Temperature	-40 °C to +85 °C
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4 Overall Performance

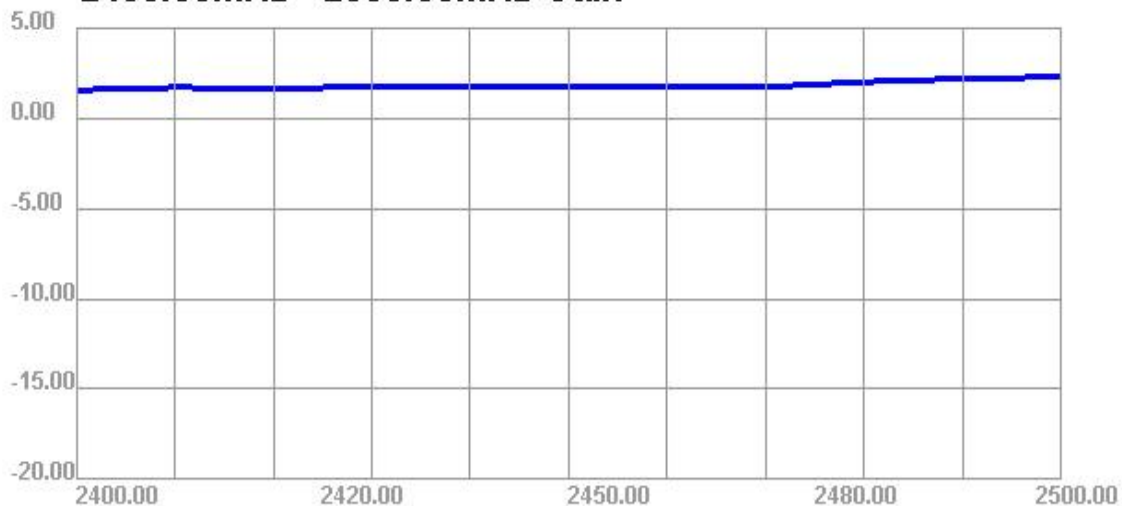
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz



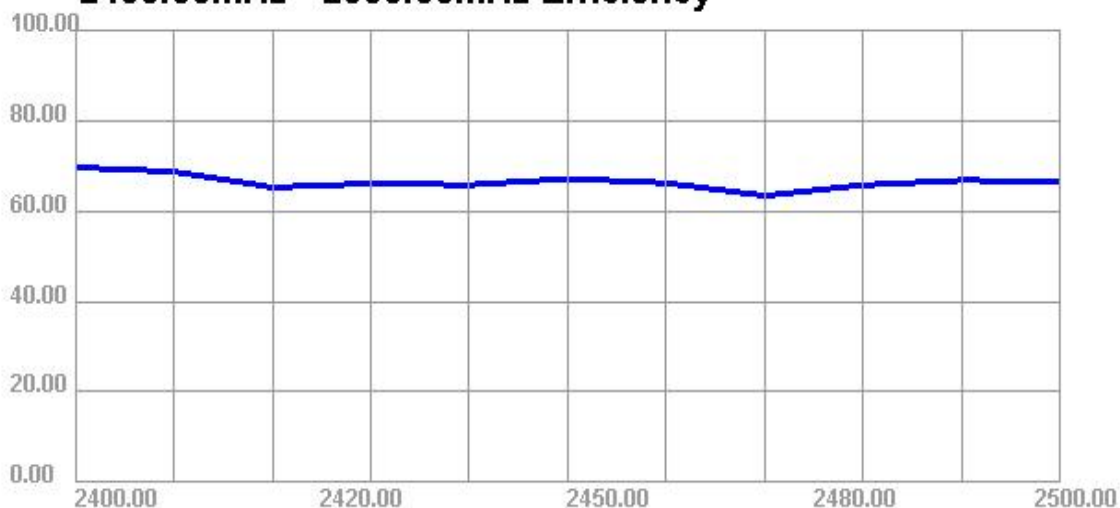


Passive Test For WiFi2.4												
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	UHS (%)	DHIS (%)	Max (dB)	Min (dB)	Directiv it (dBi)	Beamw idth (3dB)	AttH (dB)	AttV (dB)
2400	69.65	-1.57	1.56	-0.59	37.367	32.285	1.56	-18.44	3.13	45	46.35	46.49
2410	68.72	-1.63	1.71	-0.44	36.325	32.391	1.71	-18.51	3.34	45	46.44	46.63
2420	65.25	-1.85	1.65	-0.5	33.299	31.946	1.65	-16.69	3.5	45	46.12	46.29
2430	66.08	-1.8	1.74	-0.41	32.253	33.831	1.74	-16.3	3.54	45	46.47	46.6
2440	65.78	-1.82	1.72	-0.43	30.777	35	1.72	-15.03	3.54	45	46.57	46.61
2450	67.15	-1.73	1.79	-0.36	30.45	36.698	1.79	-13.85	3.52	30	46.91	47.07
2460	66.2	-1.79	1.8	-0.35	29.768	36.43	1.8	-13.11	3.6	30	47.02	47.09
2470	63.38	-1.98	1.73	-0.42	28.567	34.813	1.73	-13.54	3.71	30	46.72	46.83
2480	65.74	-1.82	2.01	-0.14	30.124	35.611	2.01	-13.54	3.83	30	47.29	47.47
2490	66.79	-1.75	2.19	0.04	30.764	36.027	2.19	-13.89	3.94	30	46.86	46.93
2500	66.56	-1.77	2.29	0.14	30.554	36.009	2.29	-14.64	4.06	30	47.15	47.32

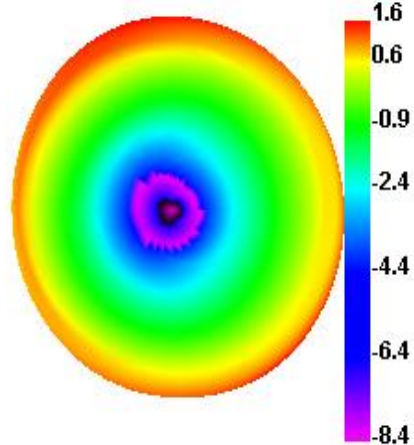
2400.00MHz - 2500.00MHz Gain



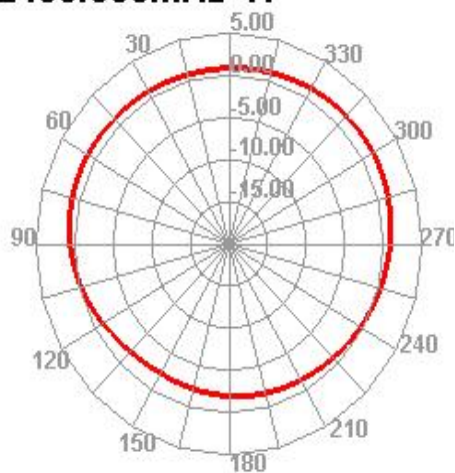
2400.00MHz - 2500.00MHz Efficiency



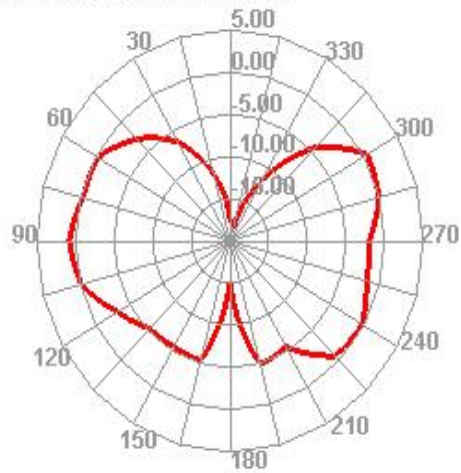
2400.000MHz



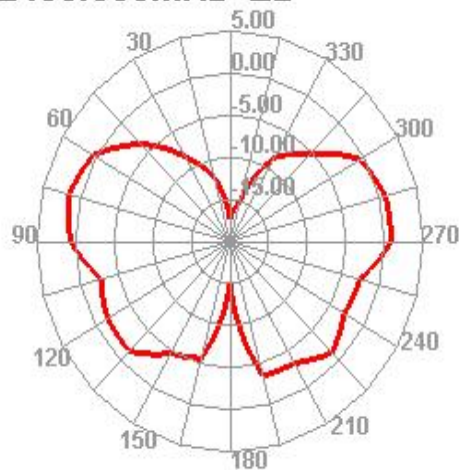
2400.000MHz H



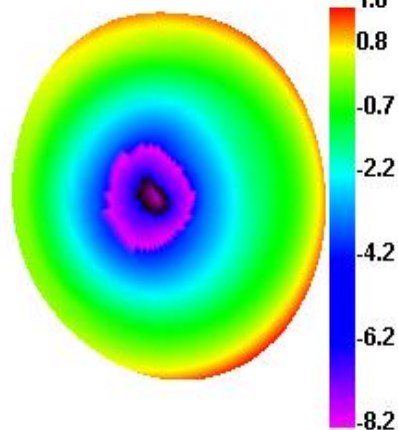
2400.000MHz E1



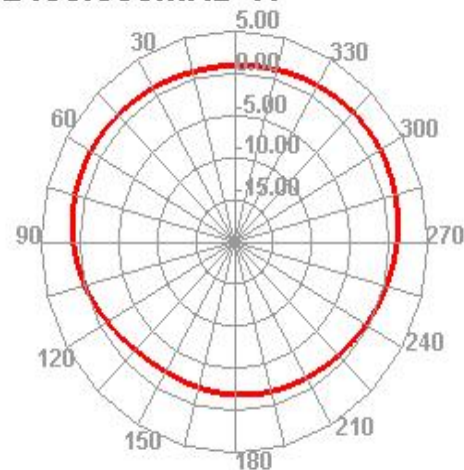
2400.000MHz E2



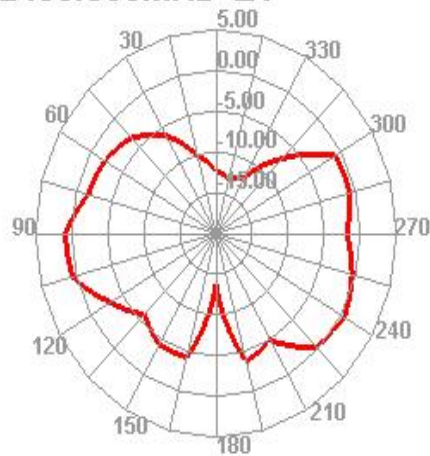
2450.000MHz



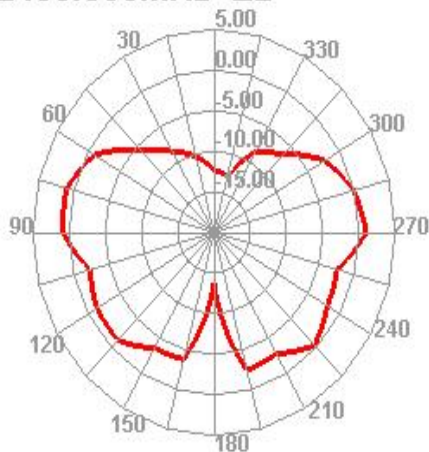
2450.000MHz H



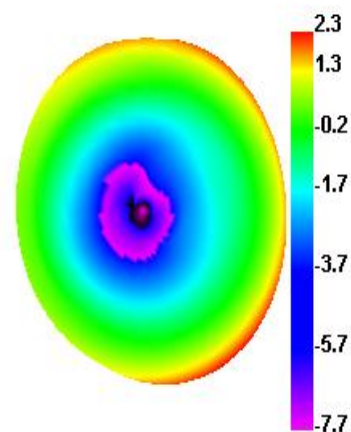
2450.000MHz E1



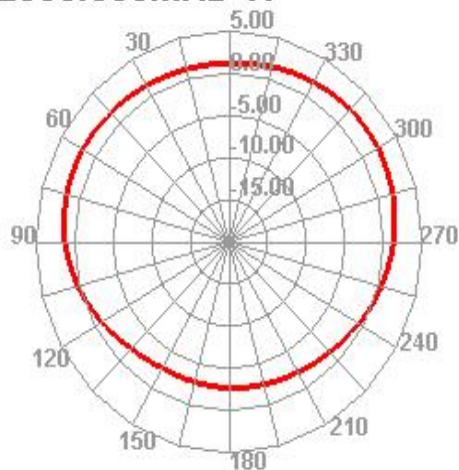
2450.000MHz E2



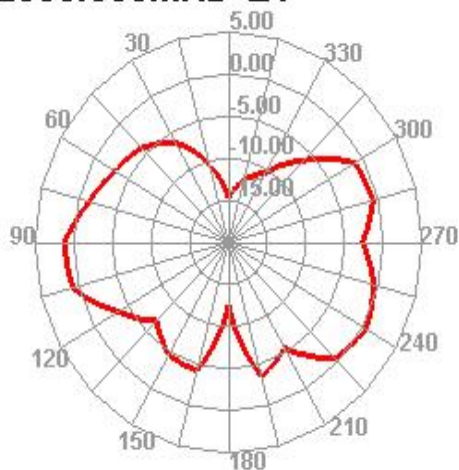
2500.000MHz



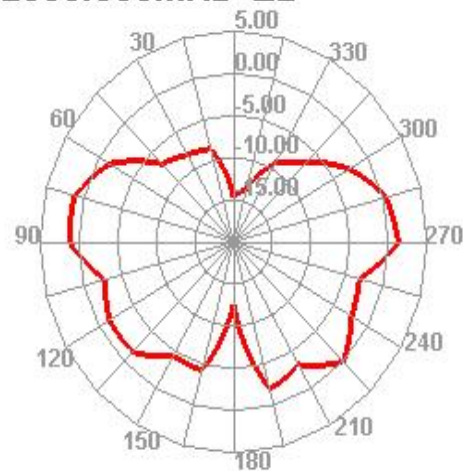
2500.000MHz H



2500.000MHz E1



2500.000MHz E2



5 Product Size

A		B		C		D		E		F		G			
										REV		DATE		DESCRIPTION	
										X1		2023.07.20			
													1		
													2		
													3		
													4		
													5		
													6		

Specification:

Frequency Range: 2400-2500MHz

VSWR: 2.0 Max

Technical drawing of a cable assembly. The drawing shows a cable with a connector at one end. Dimensions are provided: 30⁺¹₀ for the cable length, 24^{+0.5} for the connector length, and 200⁺²₀ for the total length. Callouts 1 through 5 point to specific features: 1 points to the cable, 2 points to the connector body, 3 points to the connector pin, 4 points to the connector housing, and 5 points to the connector pin.

5	CONN	I-PEX For RF 1.37	
4	Cable	RF1.37 Black	
3	Stopper	Stopper White	
2	Tube	Heat Shrinkable Tube Black	1
1	Copper pipe	4.4*23*1.05	2

NO		DESCRIPTION		QTY	

CUSTOMER:		APPROVED	
PART NO :		XX. ± 3.0	
PARTNAME:		X. ± 2.0	
WAVELINK P/NO : WL- 240012405-260(RF1.37)		X. ± 1.0	
REV		XX ± 0.5	
UNIT		.XXX ± 0.1	
m/m		DRAIVING	
SHEET : 1/1		DuanPeiZheng	

昆山市海宣电子有限公司

Kunshan Wavelink Electronics Co.,Ltd.

6 Others

DESCRIPTION	SPECIFICATION
Temperature /Humidity cycling	1, The device under test is kept for 30 mins in an environment with a temperature of -40 °C. 2, Kept for 4 Hours in an environment with a temperature of 8cthe conditions are stabilized at room temperature. 3, Parts should meet RF spec before and after test. 4, No cosmetic problem(No soldering problem;No adhesion problem of glue).
Temperature Shock	1, The device under test at -40 °C ⇔125 °C by 100 cycles, Dwell of 30 mins, transition time between Dwell 30 secs (~ 61 mins / cycle) and each item should be measured after exposing them in normal temperature and humidity for 24 h. 2, Parts should meet RF spec before and after test. 3, No cosmetic problem(No soldering problem; No adhesion problem of glue).
High Temperature	1, Temperature:125°C, time:1008 hours 2, There is no substantial obstruction to air flow across and around the samples, and the samples are not touching each other 3, Parts should meet RF spec before and after test. 4, No cosmetic problem(No soldering problem; No adhesion problem of glue).
Salt mist test	1, The device under test is exposed to a spray of a 5% (by volume) resolution of NACL in water for 2 hours. Thereafter the device under test is left for 1 week in room temperature at a relative humidity of 95%. The cycle is repeated until a total of 2 cycles have been completed. Here after the conditions are stabilized at room temperature. 2, Parts should meet RF spec before and after test. 3, No visible corrosion. Discoloration accept.