

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:

2nd Floor, Building D, No. 88 Tongqiu Road, ZhangPu Town, Kunshan City, Jiangsu Province, China

Tel: +86-512-57449488

Email: sales@kswavelink.com

Wavelink Certifications:



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

Polarization Type Linear

Mechanical Specifications

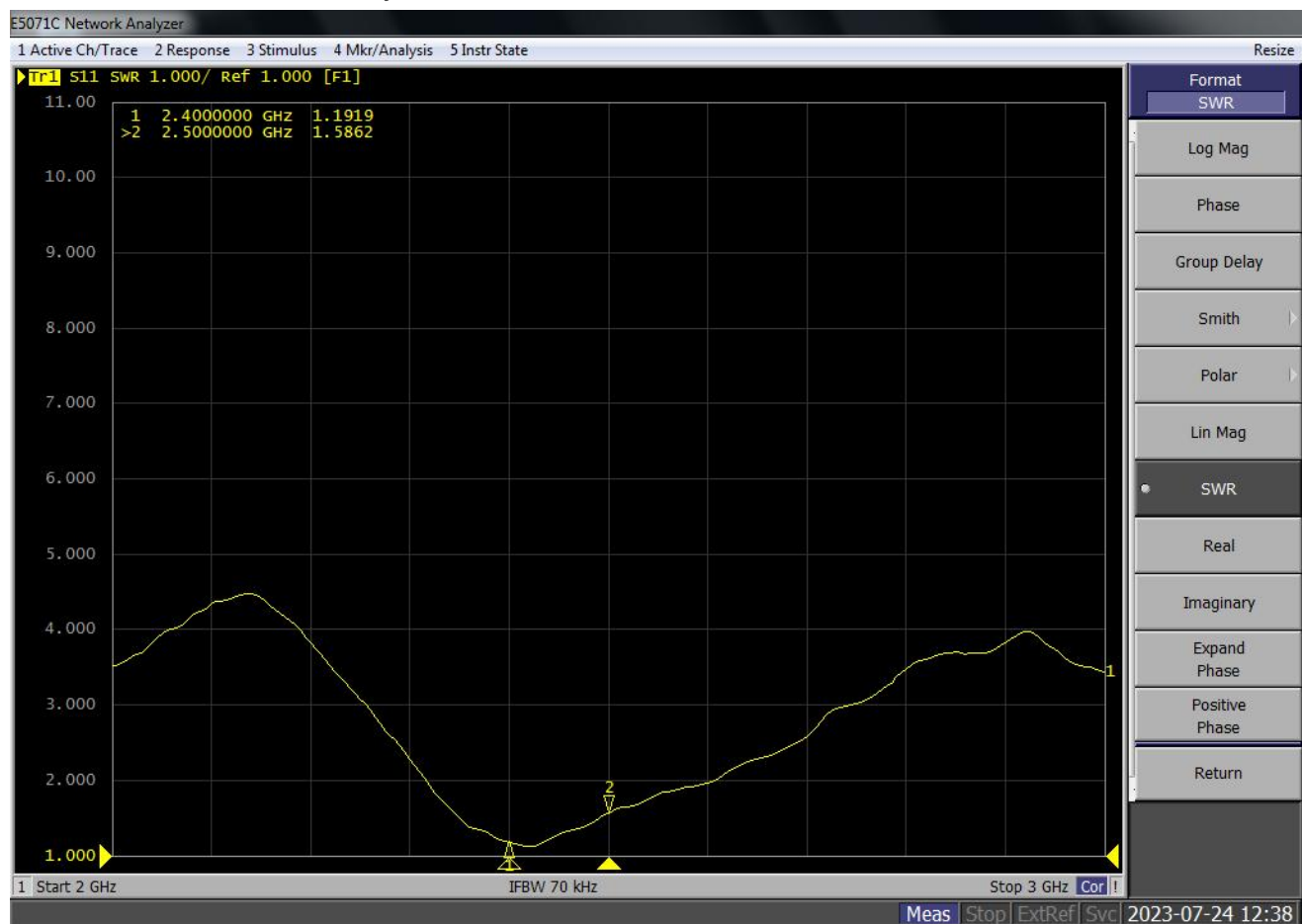
Antenna Size 260mm

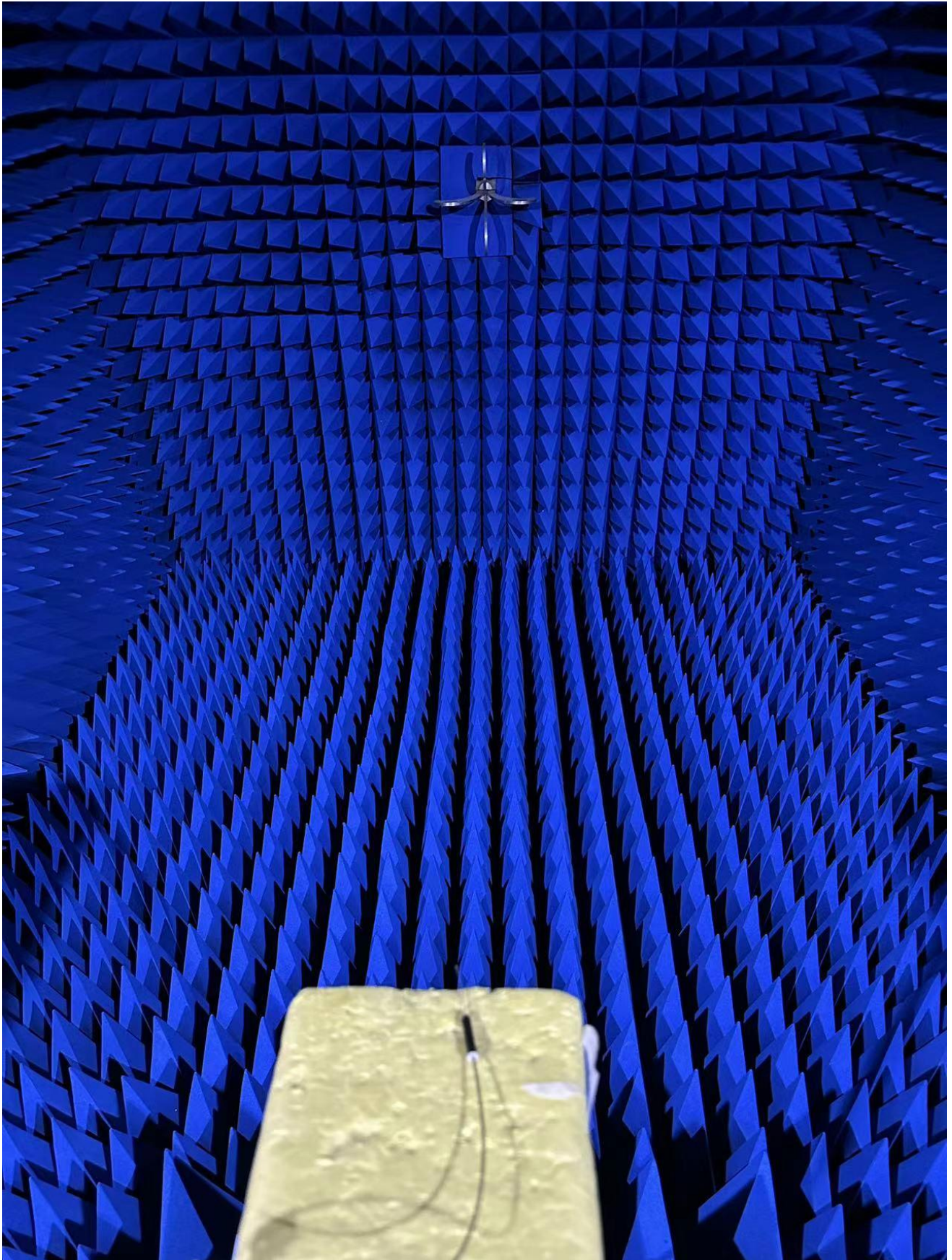
Connector Type I-PEX

Working Temperature -40 °C to +85 °C

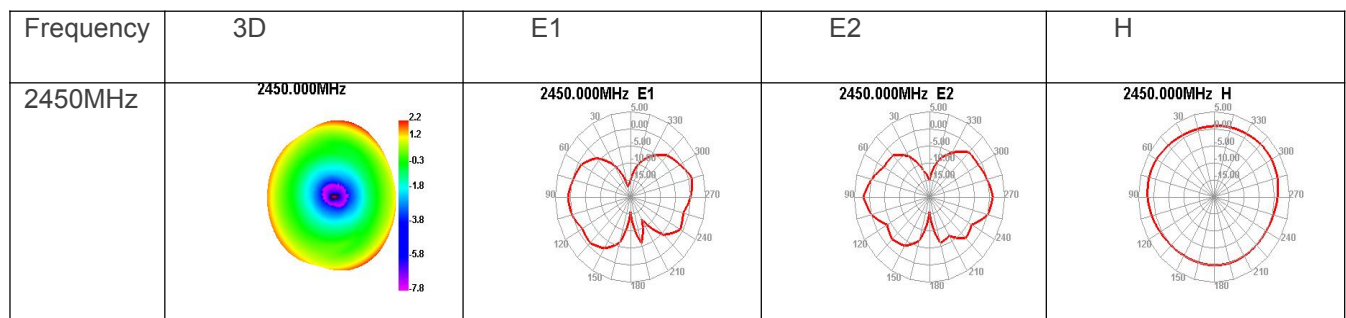
4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
2400	66.18	-1.79	1.76	-0.39	1.76	-15.19	3.55	46.35	46.49
2410	65.78	-1.82	1.79	-0.36	1.79	-15.5	3.61	46.44	46.63
2420	63.27	-1.99	1.65	-0.5	1.65	-17.7	3.64	46.12	46.29
2430	66.96	-1.74	1.89	-0.26	1.89	-17.87	3.63	46.47	46.6
2440	67.94	-1.68	2.03	-0.12	2.03	-17.15	3.71	46.57	46.61
2450	71.15	-1.48	2.25	0.1	2.25	-16.93	3.72	46.91	47.07
2460	74.72	-1.27	2.37	0.22	2.37	-17.89	3.63	47.02	47.09
2470	67.88	-1.68	1.81	-0.34	1.81	-18.2	3.49	46.72	46.83
2480	74.89	-1.26	2.11	-0.04	2.11	-17.74	3.37	47.29	47.47
2490	72.32	-1.41	1.93	-0.22	1.93	-16.29	3.33	46.86	46.93
2500	70.85	-1.5	1.84	-0.31	1.84	-16.04	3.34	47.15	47.32



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 and a stopper at the other. Dimensions are provided for various parts: 30+1 (cable length), 24±0.5 (connector length), 200+2 (stopper length), and 260±3 (total length). Callouts 1 through 5 point to specific features: 1 points to the cable, 2 points to the connector, 3 points to the stopper, 4 points to the cable, and 5 points to the stopper.

CUSTOMER'S SIGNATURE		APPROVED		CHECKED		DRAWING		CUSTOMER:		PART NO. :		WAVELINK P/NO. : WL- 240012405-260		REV		UNIT		FILE		SHEET		1/1	
		XX. ± 3.0		X. ± 2.0		.XX ± 0.5		.XXX ± 0.1		DuanPeiZheng		X1		m/m		SHEET		1/1					

5	CONN	C0305010	RF 1.13 Connector	
4	Cable	C0100001	RF1.13 Black	
3	Stopper	C0400057	Stopper White	
2	Tube	/	Heat Shrinkable Tube Black	1
1	Copper pipe	C0600003	4.4*23*1.05	2

NO	Material code	DESCRIPTION	QTY

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.