

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

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Wavelink

1 Product Description

This wavelink antenna covers WiFi2.4.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	2400-2500 MHz
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Input Impedance	50 Ω
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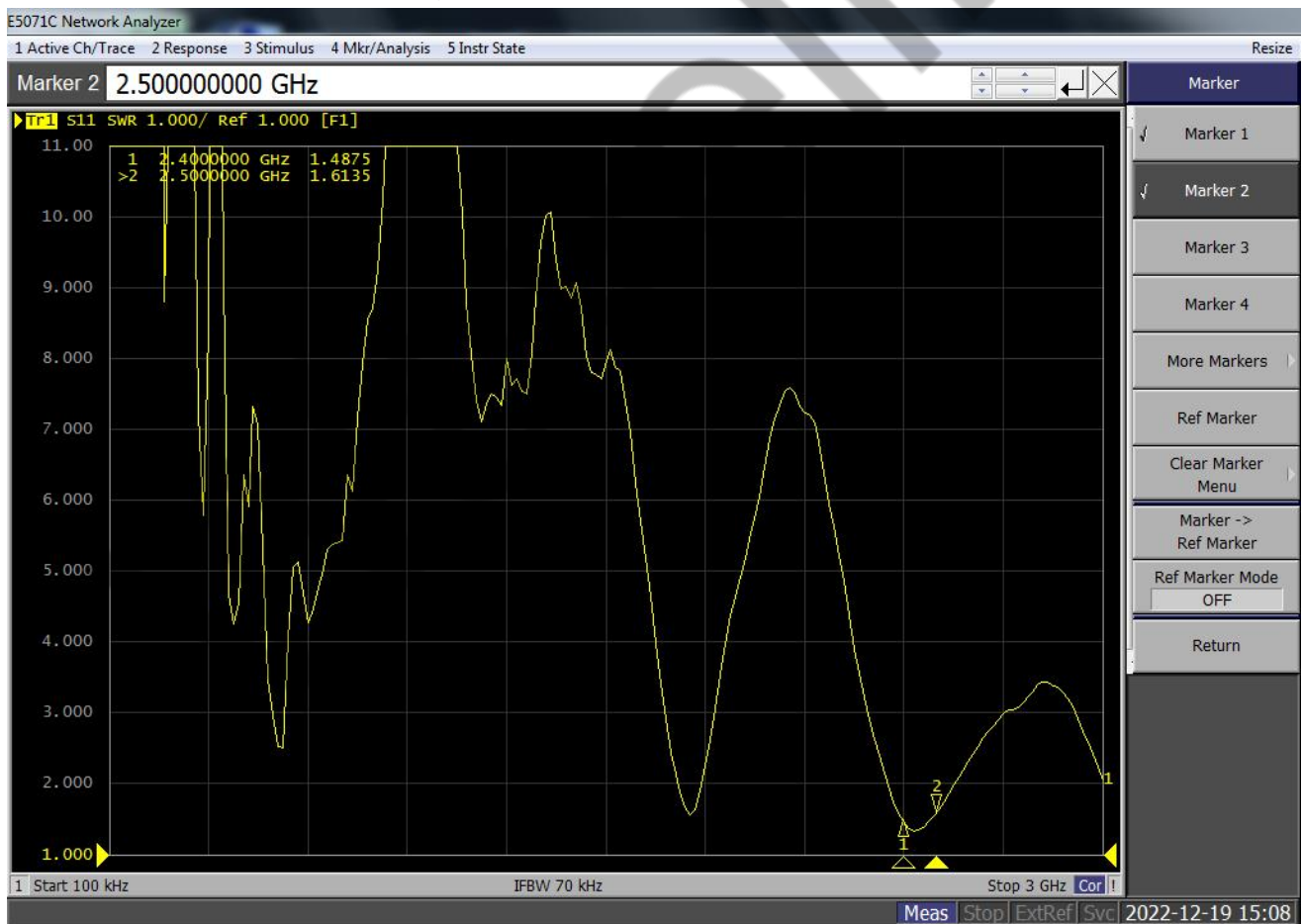
VSWR	≤ 2
Gain	≤ 5 dBi
Polarization Type	Linear

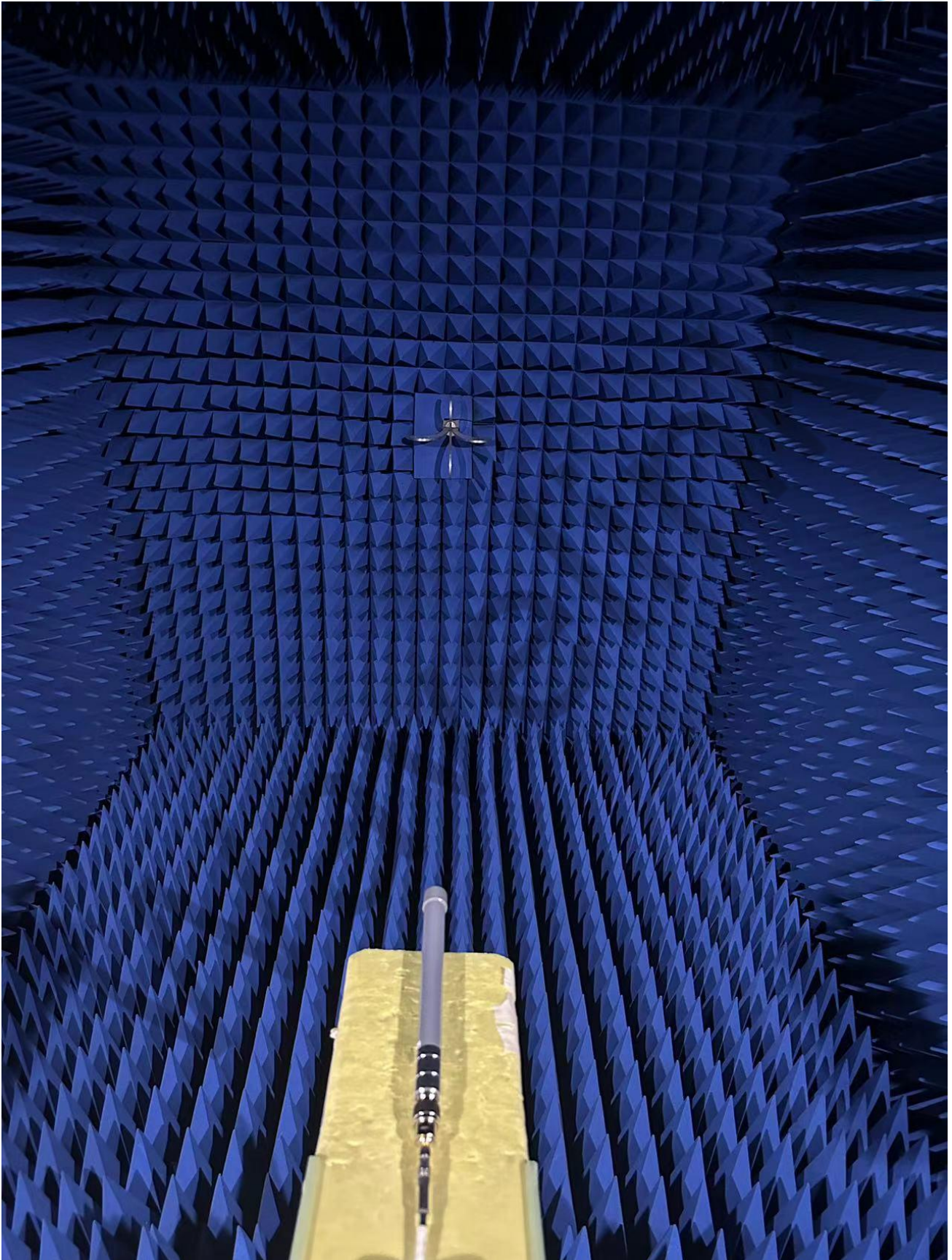
Mechanical Specifications

Antenna Size	300 mm \times 20 mm
Connector Type	N Male
Working Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Radome Color	Gray

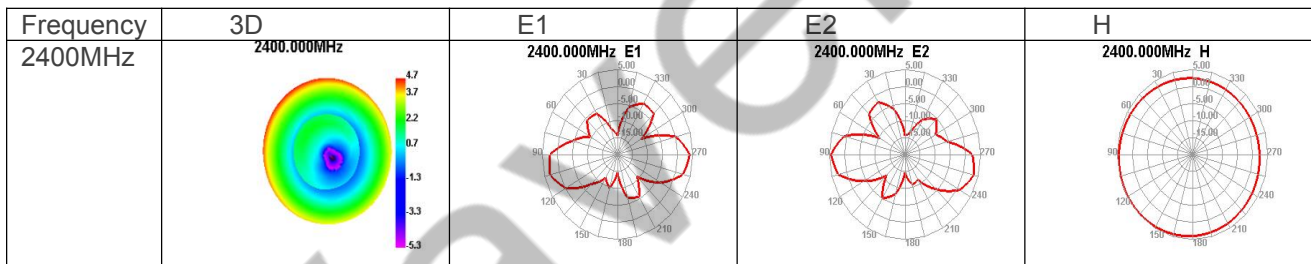
4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

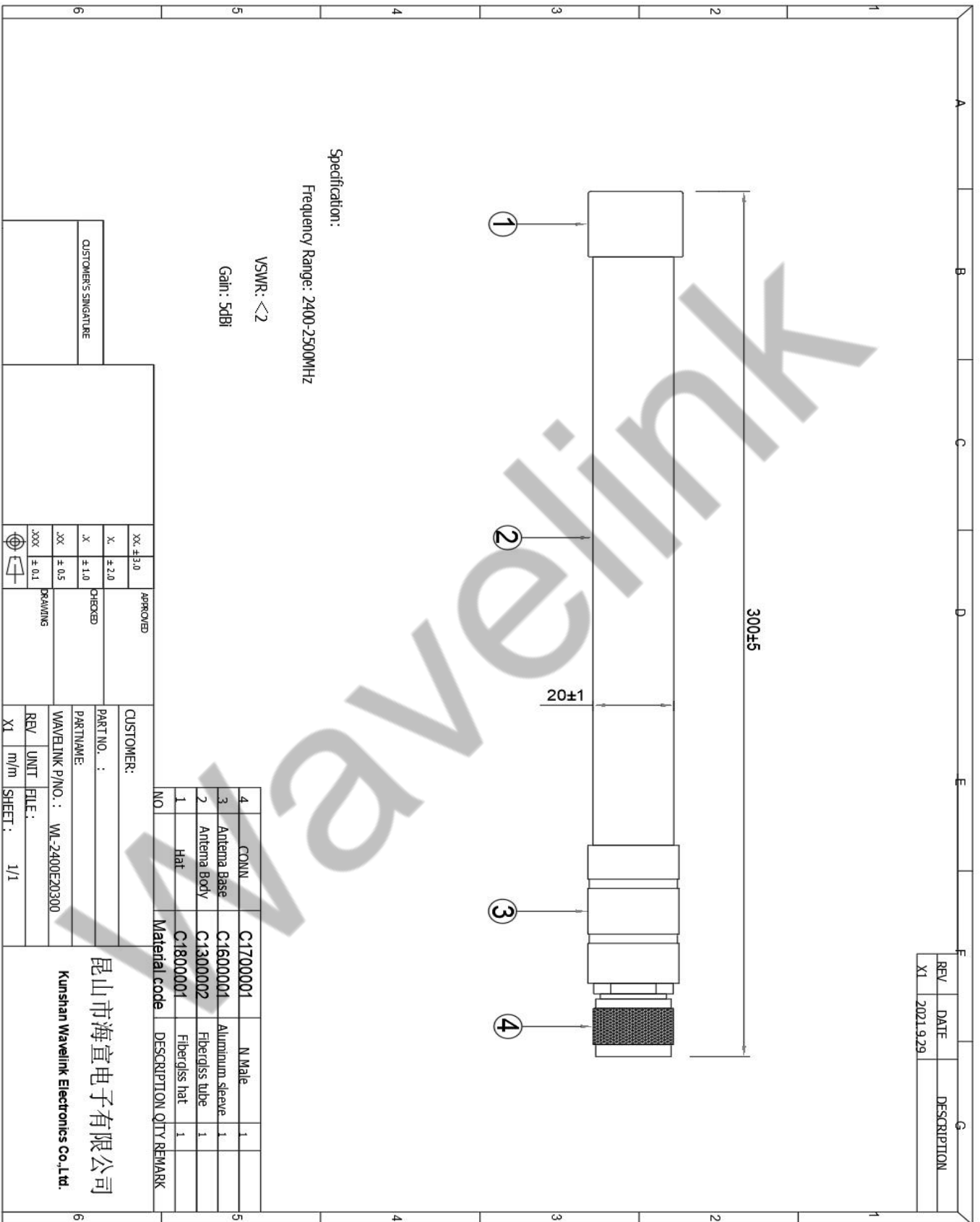




Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
2400	82.56	-0.83	4.74	2.59	4.74	-19.98	0.83	46.78	46.66
2410	81.04	-0.91	4.62	2.47	4.62	-20.33	0.91	46.54	46.47
2420	77.55	-1.1	4.39	2.24	4.39	-21.96	1.1	46.78	46.77
2430	78.07	-1.08	4.39	2.24	4.39	-24.47	1.08	46.65	46.52
2440	77.89	-1.09	4.34	2.19	4.34	-31.55	1.09	46.79	46.73
2450	78.14	-1.07	4.29	2.14	4.29	-33.42	1.07	46.92	46.83
2460	77.59	-1.1	4.17	2.02	4.17	-27.04	1.1	47.02	46.93
2470	73.34	-1.35	3.84	1.69	3.84	-24.07	1.35	46.82	46.7
2480	75.33	-1.23	3.87	1.72	3.87	-21.11	1.23	47.15	47.03
2490	76.81	-1.15	3.87	1.72	3.87	-19.67	1.15	47.25	47.04
2500	69.41	-1.59	3.41	1.26	3.41	-18.38	1.59	47.08	46.9



5 Product Size



Specification:

Frequency Range: 2400-2500MHz

VSWR: <2

Gain: 5dBi

REV	DATE	DESCRIPTION
X1	2021.9.29	

NO	Material code	DESCRIPTION	QTY	REMARK
4	C1700001	N Male	1	
3	C1600001	Aluminum sleeve	1	
2	C1300002	Fiberglass tube	1	
1	C1800001	Fiberglass hat	1	

CUSTOMER:		APPROVED	
PART NO. :		XX ±3.0	
PARTNAME:		X ±2.0	
WAVELINK P/NO. : WL-2400E20300		X ±1.0	
REV	UNIT	FILE :	
X1	m/m	1/1	
SHEET :		DRAWING	
		XX ±0.1	

昆山市海宣电子有限公司
Kunshan Wavelink Electronics Co., Ltd.

6 Others

DESCRIPTION	SPECIFICATION
Temperature /Humidity cycling	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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.