

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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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
Input Impedance	50 Ω
VSWR	≤ 2
Gain	≤ 1 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 222mm ×27mm

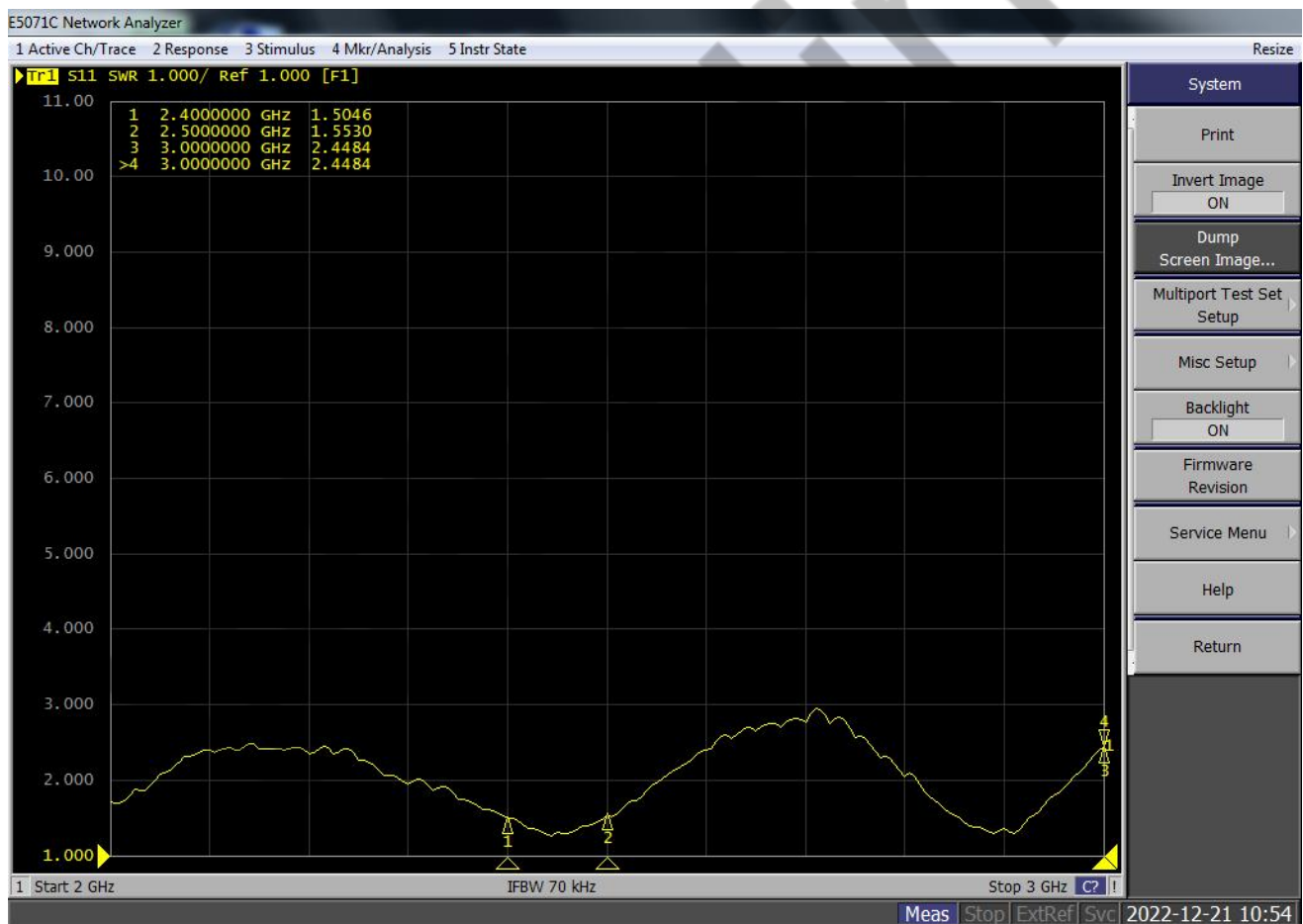
Connector Type SMA

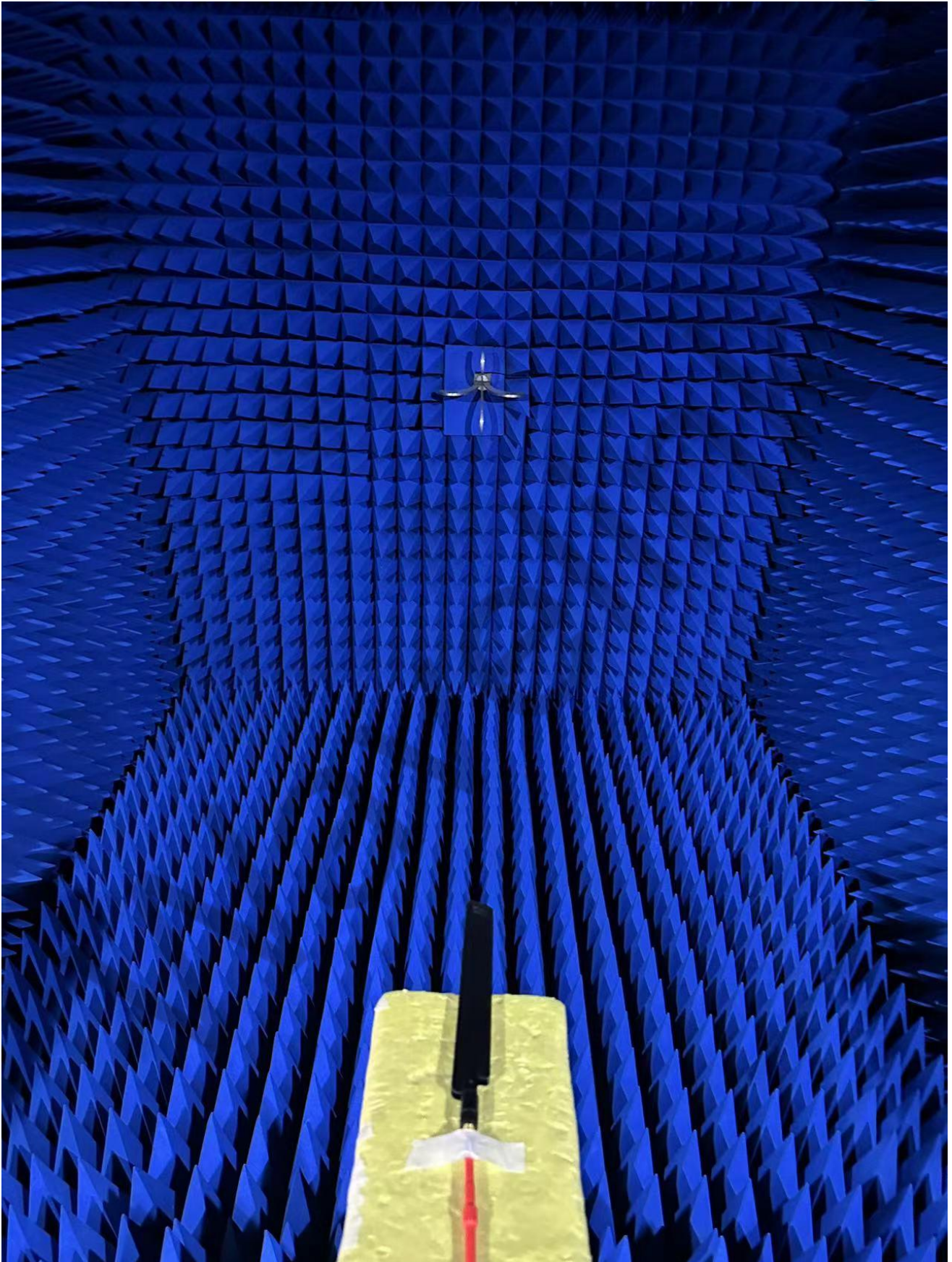
Working Temperature -40 °C to +85 °C

Radome Color Black

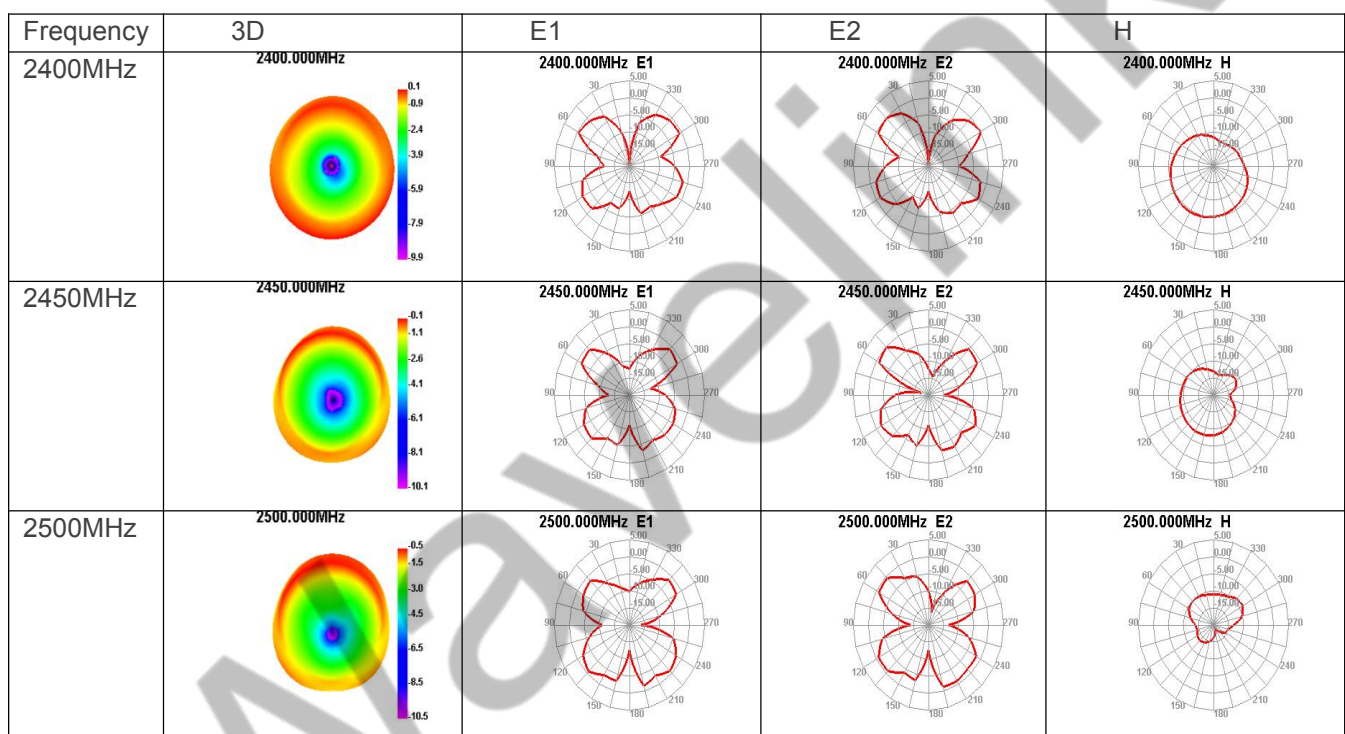
4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

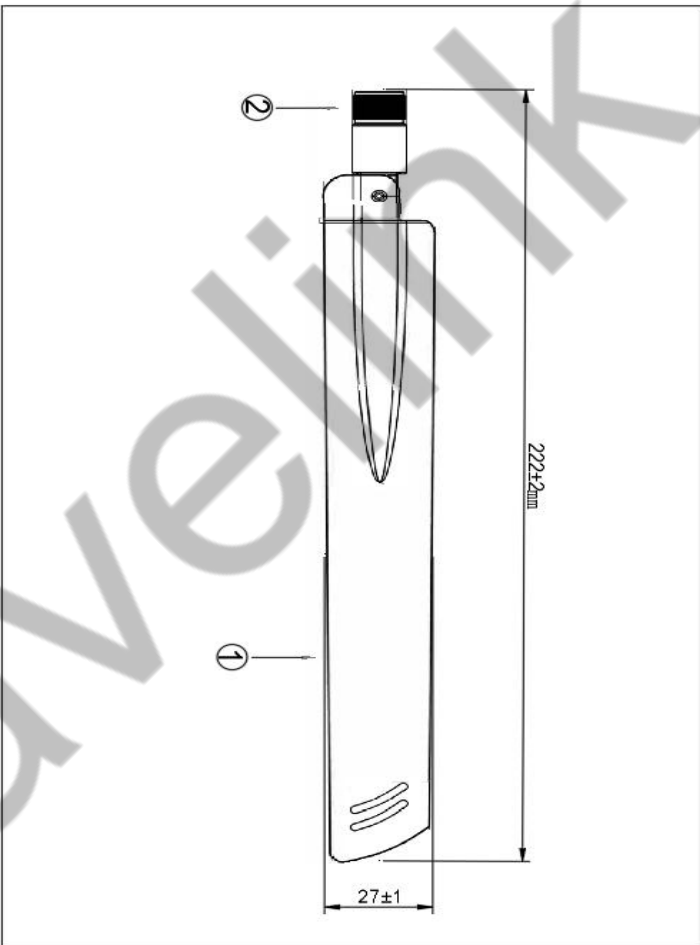




Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	47	-3.28	0.1	-2.05	0.1	-21.14	30	46.33	46.47
2410	50.64	-2.96	0.48	-1.67	0.48	-17.44	30	46.51	46.7
2420	46.87	-3.29	0.51	-1.64	0.51	-15.31	15	46.33	46.5
2430	47.07	-3.27	0.71	-1.44	0.71	-14.37	15	46.7	46.83
2440	47.84	-3.2	0.85	-1.3	0.85	-14.98	15	46.75	46.79
2450	39.79	-4	-0.1	-2.25	-0.1	-17.39	15	46.2	46.36
2460	44.44	-3.52	0.28	-1.87	0.28	-17.51	15	46.66	46.73
2470	45.53	-3.42	0.2	-1.95	0.2	-18.11	15	46.55	46.66
2480	45.39	-3.43	0.04	-2.11	0.04	-20.96	15	46.99	47.17
2490	49	-3.1	0.14	-2.01	0.14	-18.93	45	46.73	46.8
2500	45.37	-3.43	-0.51	-2.66	-0.51	-19.33	45	46.67	46.84



5 Product Size

		A		B		C		D		E		F		G																					
		1		2		3		4		5		6		7																					
																																			
Specification: Frequency Range: 2400-2500MHz Free space VSWR: <2 Impedance: 50Ω Gain: 1 dBi																																			
CUSTOMER'S SIGNATURE		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>XX ± 3.0</td> <td>APPROVED</td> <td colspan="2">CUSTOMER:</td> </tr> <tr> <td>XX ± 2.0</td> <td rowspan="3">CHECKED</td> <td colspan="2">PART NO. :</td> </tr> <tr> <td>XX ± 1.0</td> <td colspan="2">PARTNAME:</td> </tr> <tr> <td>XX ± 0.5</td> <td colspan="2">WAVELINK P/NO. : WL-2400E222</td> </tr> <tr> <td>XX ± 0.1</td> <td>DRAWING</td> <td>REV</td> <td>UNIT</td> <td>FILE:</td> </tr> <tr> <td colspan="2">  </td> <td>X1</td> <td>m/m</td> <td>SHEET : 1/1</td> </tr> </table>										XX ± 3.0	APPROVED	CUSTOMER:		XX ± 2.0	CHECKED	PART NO. :		XX ± 1.0	PARTNAME:		XX ± 0.5	WAVELINK P/NO. : WL-2400E222		XX ± 0.1	DRAWING	REV	UNIT	FILE:			X1	m/m	SHEET : 1/1
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1	Antenna Body	1																																	

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.