

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	≤ 2 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 30mm ×8mm

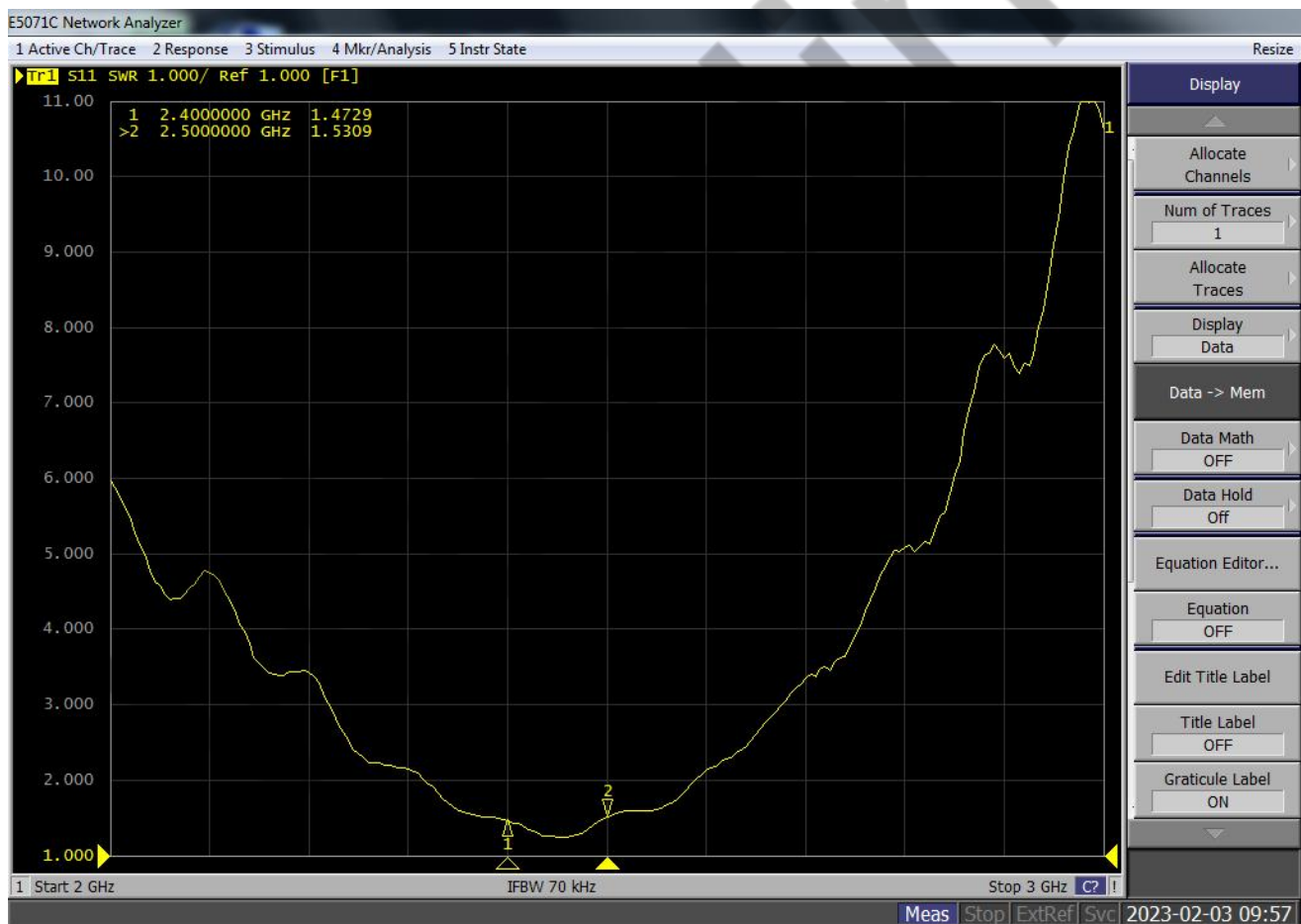
Connector Type SMA

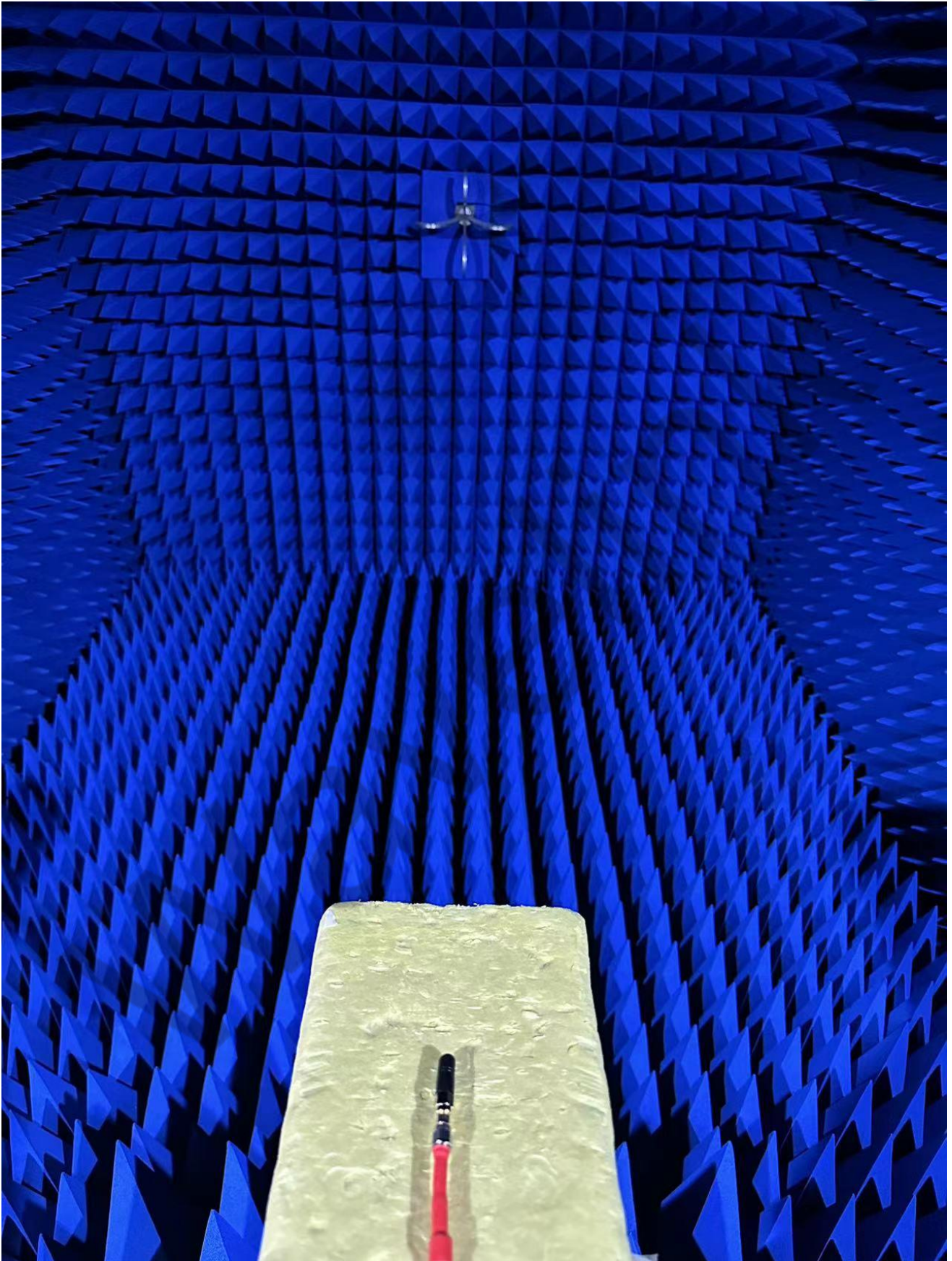
Working Temperature -40 °C to +85 °C

Radome Color Black

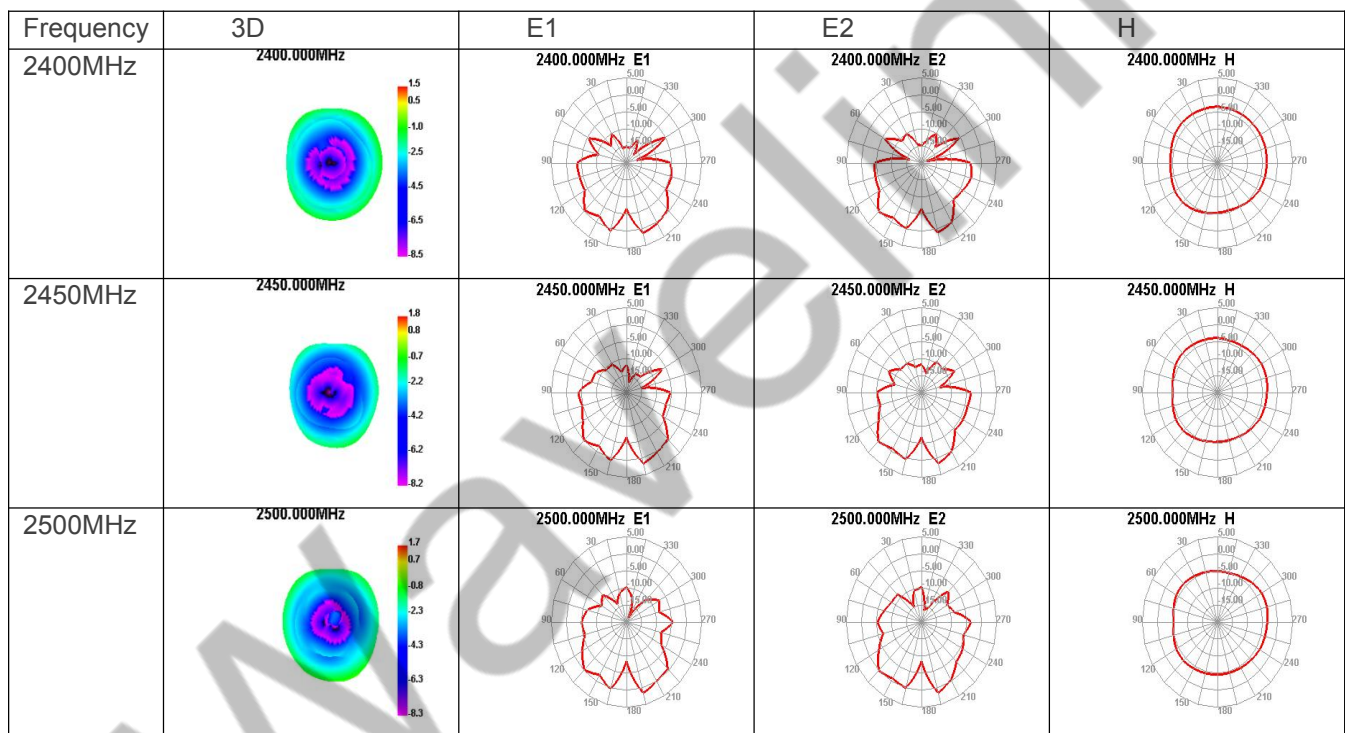
4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

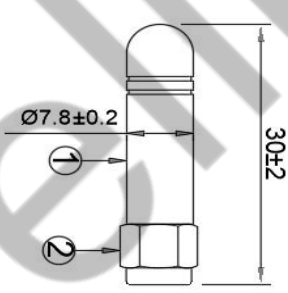




Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
2400	36.82	-4.34	1.46	-0.69	1.46	-18.21	5.8	30	46.28	46.42
2410	36.14	-4.42	1.46	-0.69	1.46	-17.66	5.88	30	46.35	46.54
2420	32.74	-4.85	1.12	-1.03	1.12	-17.23	5.97	30	46.02	46.19
2430	35.07	-4.55	1.56	-0.59	1.56	-16.81	6.11	30	46.4	46.53
2440	34.35	-4.64	1.55	-0.6	1.55	-17.09	6.19	30	46.55	46.59
2450	36.35	-4.39	1.84	-0.31	1.84	-16.96	6.23	30	46.74	46.9
2460	36.96	-4.32	1.95	-0.2	1.95	-16.88	6.28	30	47.01	47.08
2470	35.8	-4.46	1.82	-0.33	1.82	-17.45	6.28	30	46.63	46.74
2480	36.91	-4.33	1.97	-0.18	1.97	-18.51	6.3	30	47.19	47.37
2490	35.29	-4.52	1.73	-0.42	1.73	-19.09	6.25	30	46.86	46.93
2500	35.55	-4.49	1.73	-0.42	1.73	-20.48	6.22	30	47	47.17



5 Product Size

				A		B		C		D		E		F		G														
												REV		DATE		DESCRIPTION														
Specification: Frequency Range: 2400-2500MHz Impedance: 50Ω VSWR<2 Gain: 2 dBi														<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>2</td> <td>CONN</td> <td>C0302014</td> <td>SMA Male</td> <td>1</td> </tr> <tr> <td>1</td> <td>Stem Casing</td> <td>C0400003</td> <td>TPEE, Black</td> <td>1</td> </tr> <tr> <td colspan="2">NO</td> <td colspan="3">Material code</td> </tr> </table>		2	CONN	C0302014	SMA Male	1	1	Stem Casing	C0400003	TPEE, Black	1	NO		Material code		
2	CONN	C0302014	SMA Male	1																										
1	Stem Casing	C0400003	TPEE, Black	1																										
NO		Material code																												
CUSTOMER'S SIGNATURE APPROVED CHECKED DRAWING																														
												CUSTOMER:																		
												PARTNAME: Serial Number: WAVELINK P/NO.: WL-2400E30																		
REV UNIT REV UNIT SHEET: 1/1												1		1		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.