

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:



Wavelink Partners:

Skyworth **NARI**

flex

 **HUAWEI**

 **VVDN**
TECHNOLOGIES

Tenda **Infinova**

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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

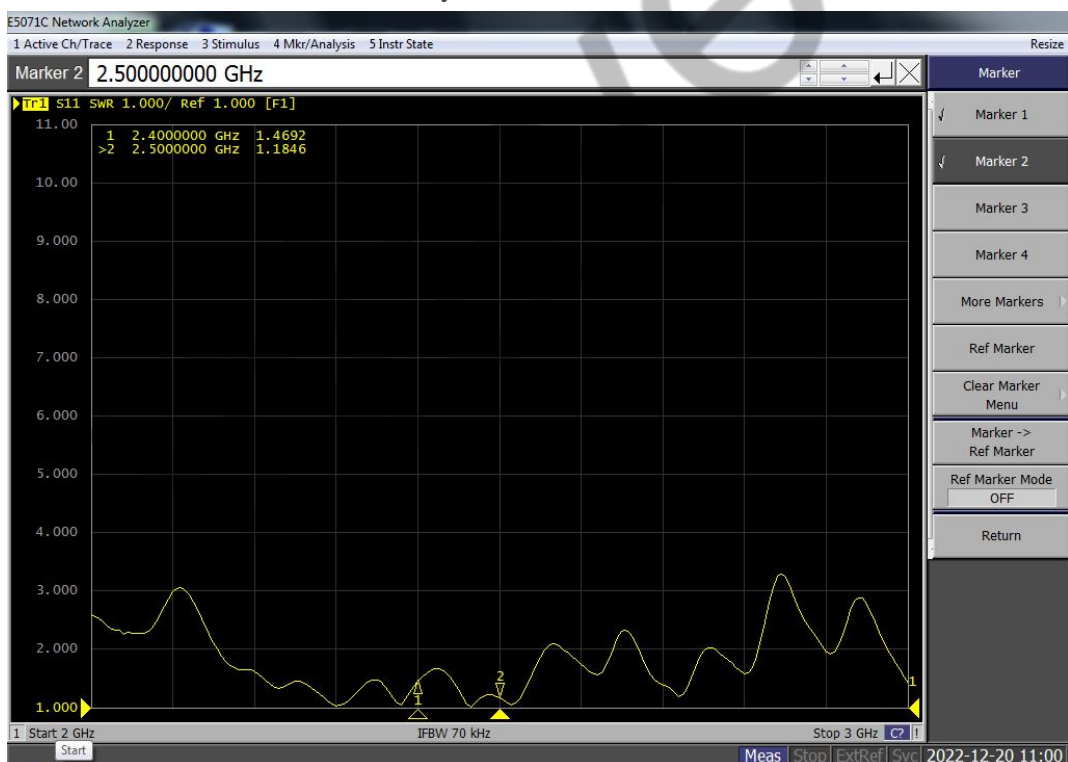
Frequency Range	2400-2500 MHz
Input Impedance	50 Ω
VSWR	≤ 2
Gain	≤ 2 dBi
Polarization Type	Linear

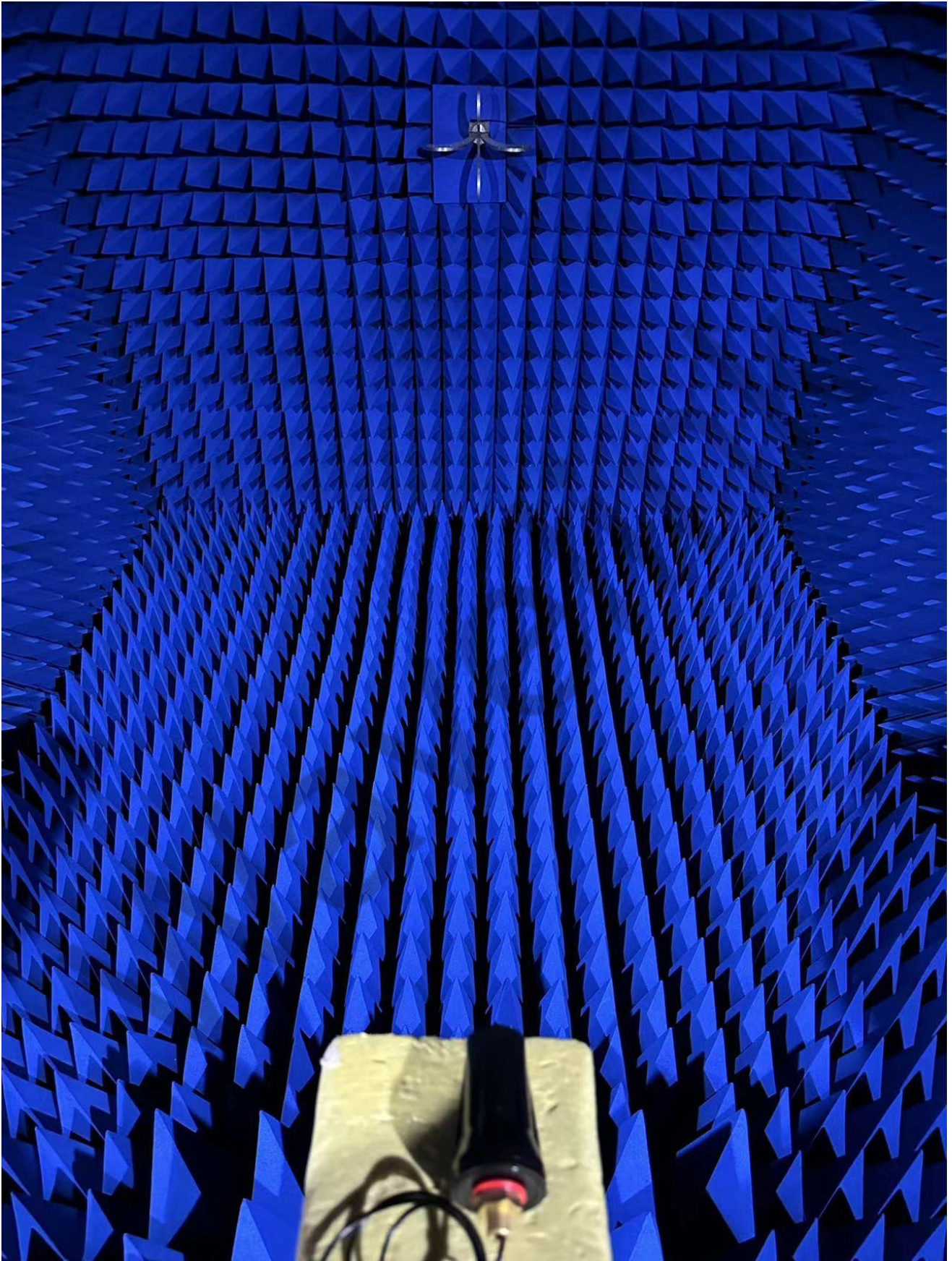
Mechanical Specifications

Antenna Size	75mm $\times$ 45mm
Connector Type	SMA
Working Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Radome Color	Black

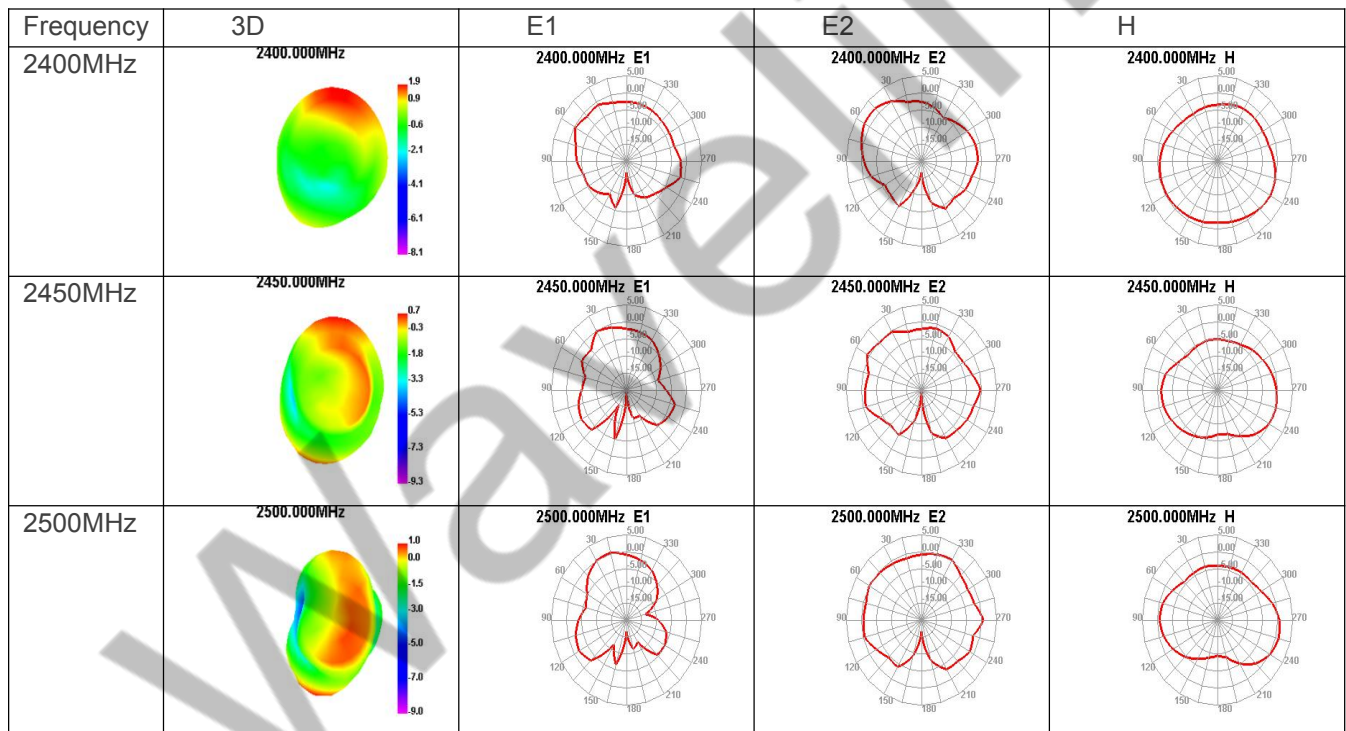
4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivit y (dBi)	AttH (dB)	AttV (dB)
2400	55.34	-2.57	1.9	-0.25	1.9	-16.77	4.47	46.33	46.47
2410	57.2	-2.43	2	-0.15	2	-18.6	4.43	46.51	46.7
2420	54.17	-2.66	1.65	-0.5	1.65	-21.53	4.31	46.33	46.5
2430	59.01	-2.29	1.87	-0.28	1.87	-21.72	4.16	46.7	46.83
2440	56.73	-2.46	1.57	-0.58	1.57	-20.55	4.03	46.75	46.79
2450	47.9	-3.2	0.71	-1.44	0.71	-19.26	3.91	46.2	46.36
2460	52.4	-2.81	1.06	-1.09	1.06	-17.49	3.87	46.66	46.73
2470	51.72	-2.86	0.94	-1.21	0.94	-16.5	3.8	46.55	46.66
2480	50.98	-2.93	0.86	-1.29	0.86	-16.33	3.79	46.99	47.17
2490	52.99	-2.76	1.17	-0.98	1.17	-16.44	3.93	46.73	46.8
2500	50.61	-2.96	1.02	-1.13	1.02	-16.57	3.98	46.67	46.84



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.