

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**

dji

Hikvision

JABIL

Catalogue

1	Product Description	3
2	Product Features	3
3	Product Specifications	3
4	Overall Performance	4
5	Product Size	7
6	Others	8

Wavelink

1 Product Description

This wavelink antenna covers 915MHz.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	915MHz
Input Impedance	50 Ω

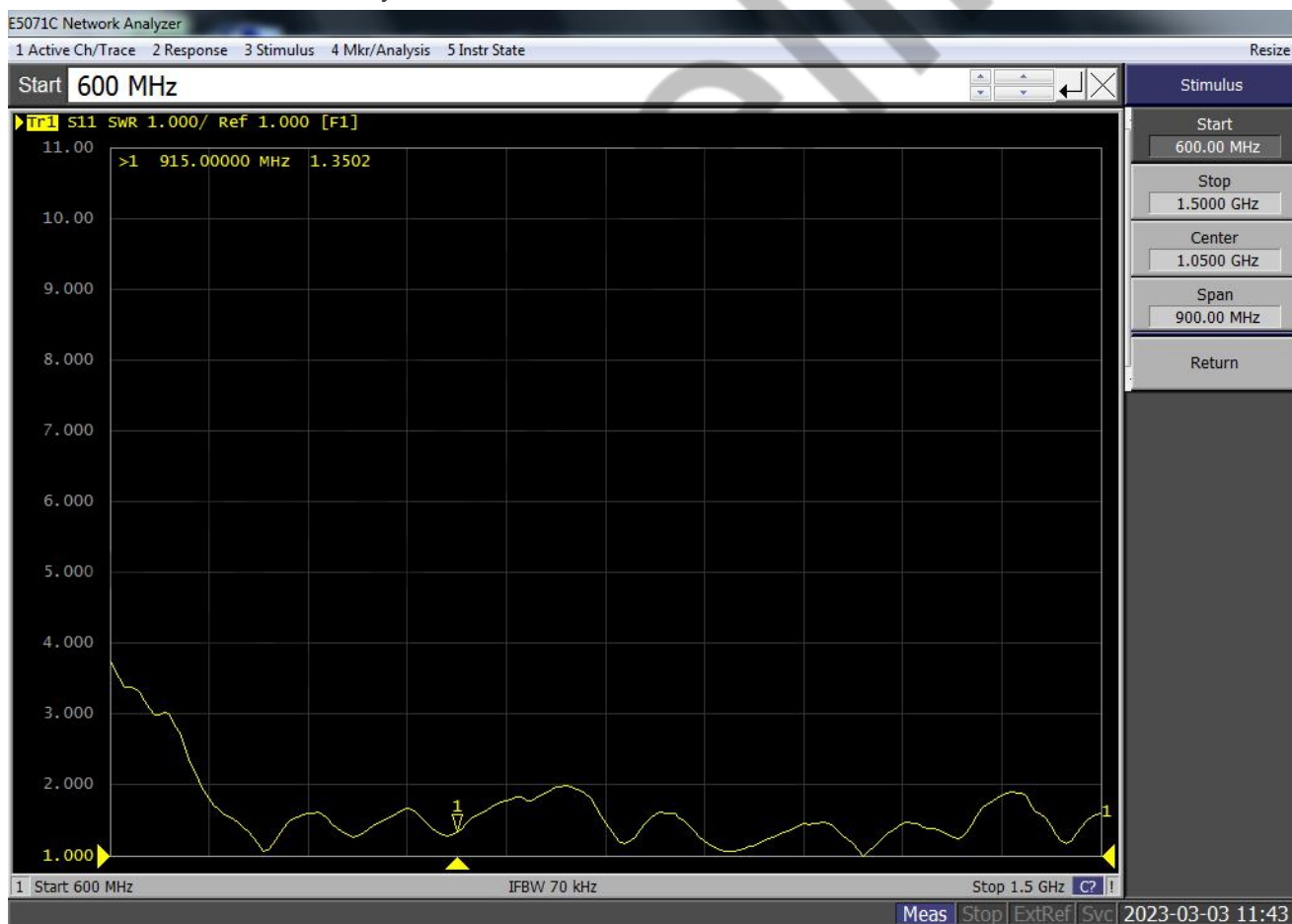
VSWR	<2
Gain	≤13 dBi
Polarization Type	Linear

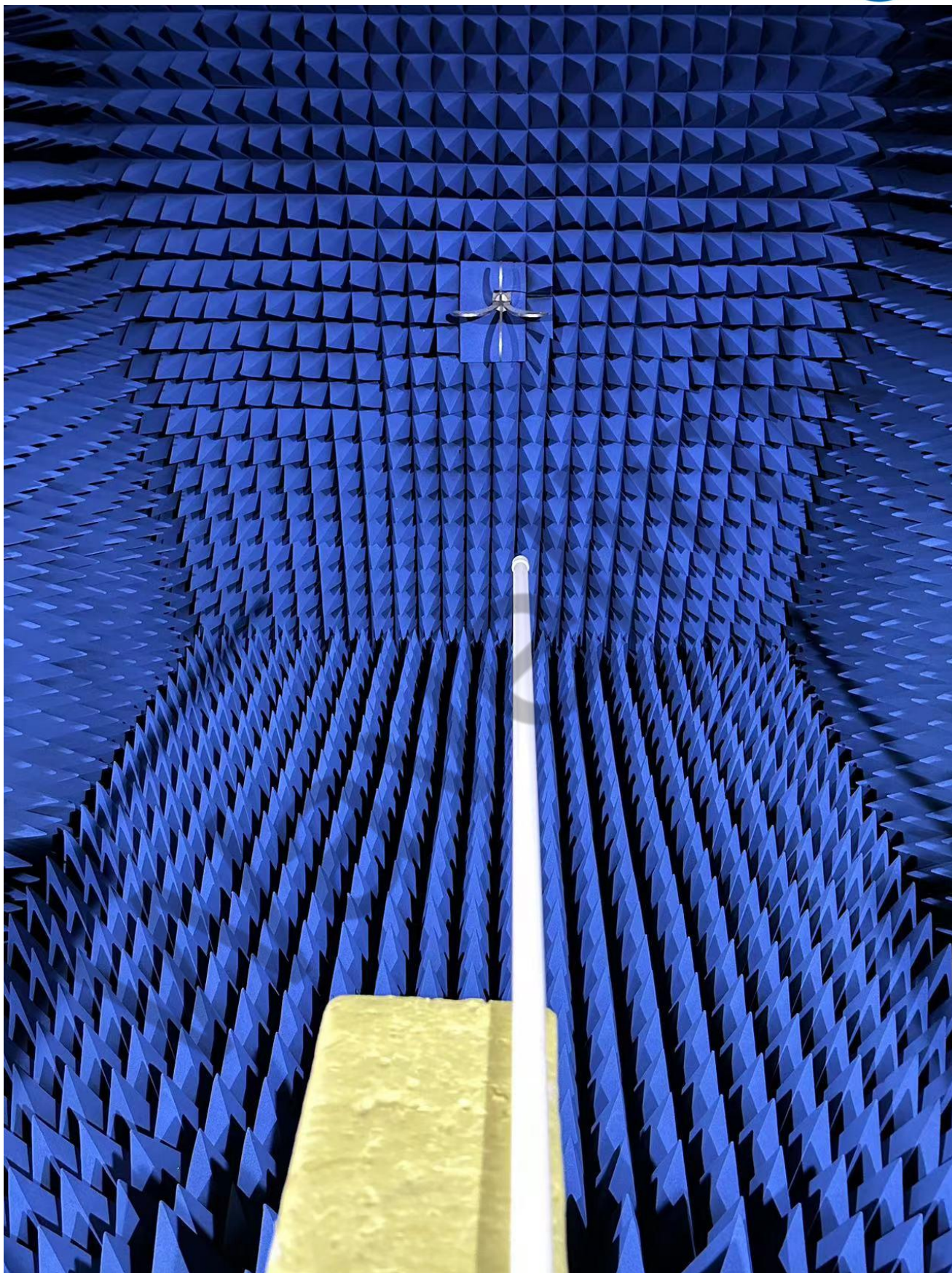
Mechanical Specifications

Antenna Size	1300mm ×23mm
Connector Type	N Male
Working Temperature	-40 °C to +85 °C
Radome Color	White

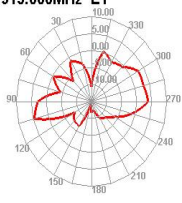
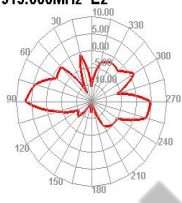
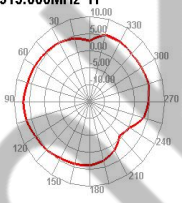
4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	AttH (dB)	AttV (dB)
900	90.19	-0.45	12.17	10.02	12.17	-12.33	39.79	39.68
905	90.96	-0.39	12.23	10.08	12.23	-11.05	40	39.87
910	92.73	-0.27	12.86	10.71	12.86	-10.21	40.06	39.95
915	91.44	-0.31	12.41	10.26	12.41	-10.1	40.13	40.03
920	90.59	-0.42	12.22	10.07	12.22	-10.57	40.18	40.08

Frequency	E1	E2	H
915MHz	<p>915.000MHz E1</p> 	<p>915.000MHz E2</p> 	<p>915.000MHz H</p> 

5 Product Size



6 Others

DESCRIPTION	SPECIFICATION
Temperature /Humidity cycling	<p>1, The device under test is kept for 30 mins in an environment with a temperature of -40 °C.</p> <p>2, Kept for 4 Hours in an environment with a temperature of 8cthe conditions are stabilized at room temperature.</p> <p>3, Parts should meet RF spec before and after test.</p> <p>4, No cosmetic problem(No soldering problem;No adhesion problem of glue).</p>
Temperature Shock	<p>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.</p> <p>2, Parts should meet RF spec before and after test.</p> <p>3, No cosmetic problem(No soldering problem; No adhesion problem of glue).</p>
High Temperature	<p>1, Temperature:125°C, time:1008 hours</p> <p>2, There is no substantial obstruction to air flow across and around the samples, and the samples are not touching each other</p> <p>3, Parts should meet RF spec before and after test.</p> <p>4, No cosmetic problem(No soldering problem; No adhesion problem of glue).</p>
Salt mist test	<p>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.</p> <p>2, Parts should meet RF spec before and after test.</p> <p>3, No visible corrosion. Discoloration accept.</p>