

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	8
6	Others	9

1 Product Description

This wavelink antenna covers 5250-5800MHz.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	5250-5800MHz
Input Impedance	50 Ω

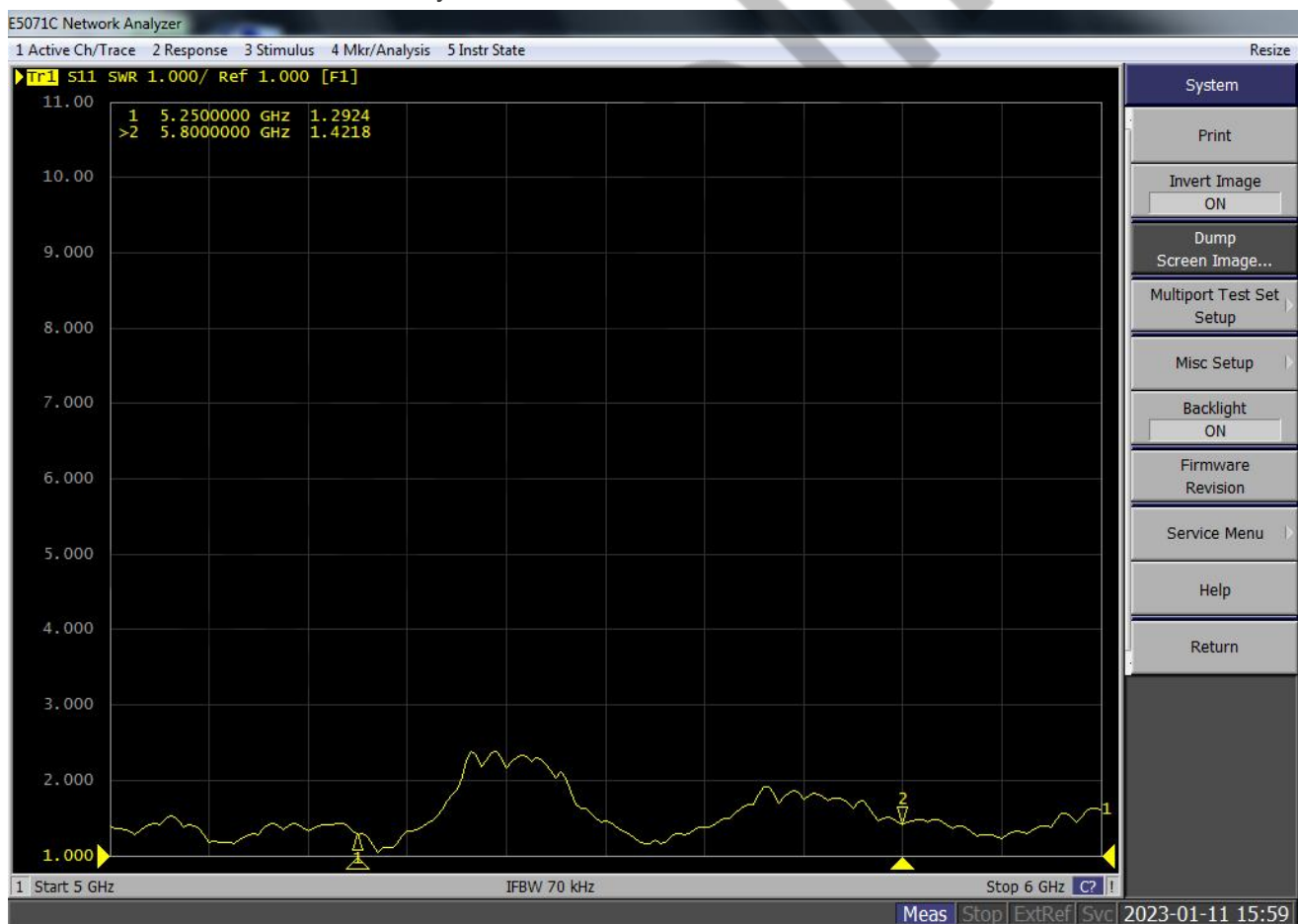
VSWR	< 3
Gain	≤9 dBi
Polarization Type	Linear

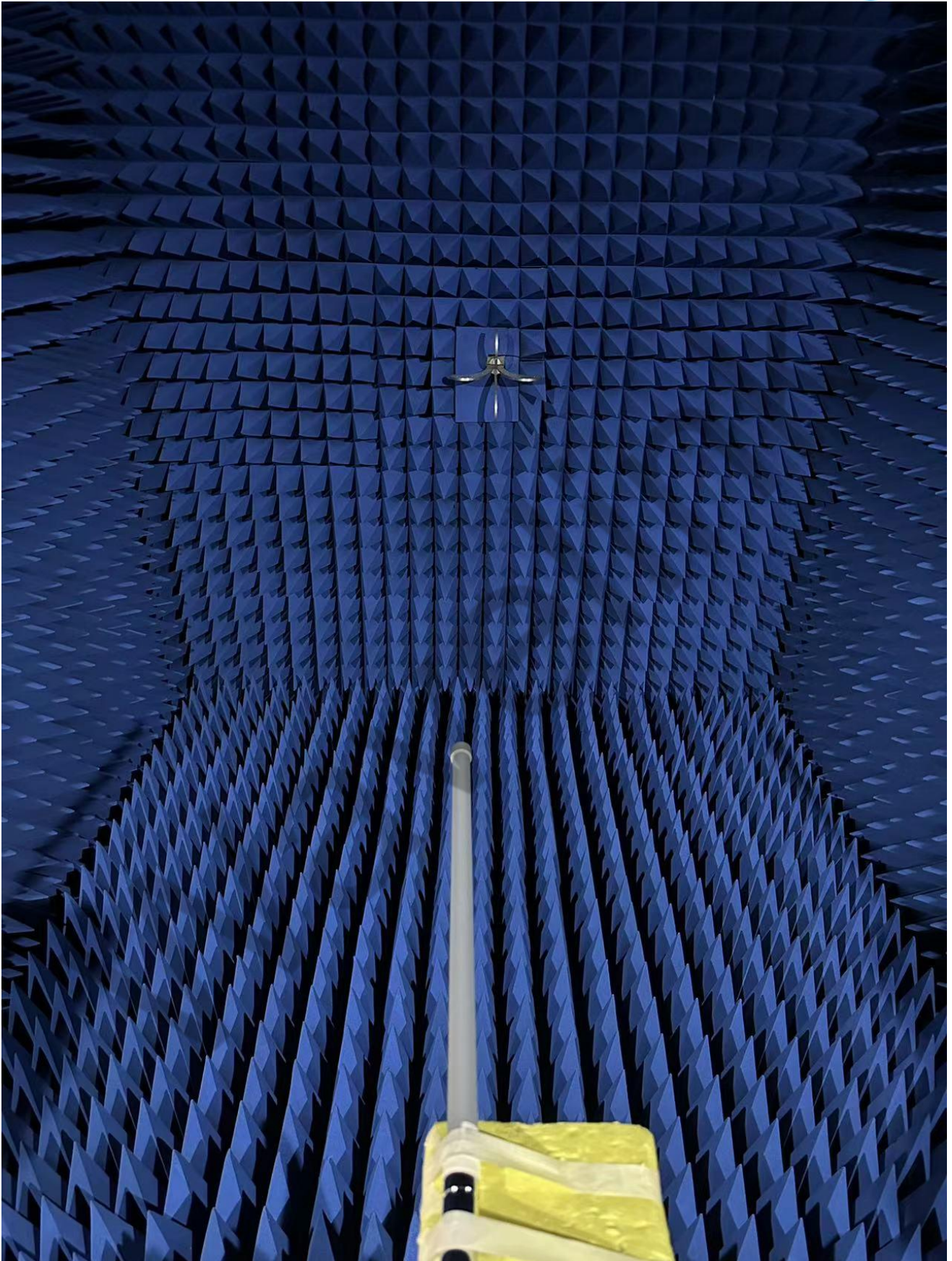
Mechanical Specifications

Antenna Size	600 mm ×20 mm
Connector Type	N Male
Working Temperature	-40 °C to +85 °C
Radome Color	Gray

4 Overall Performance

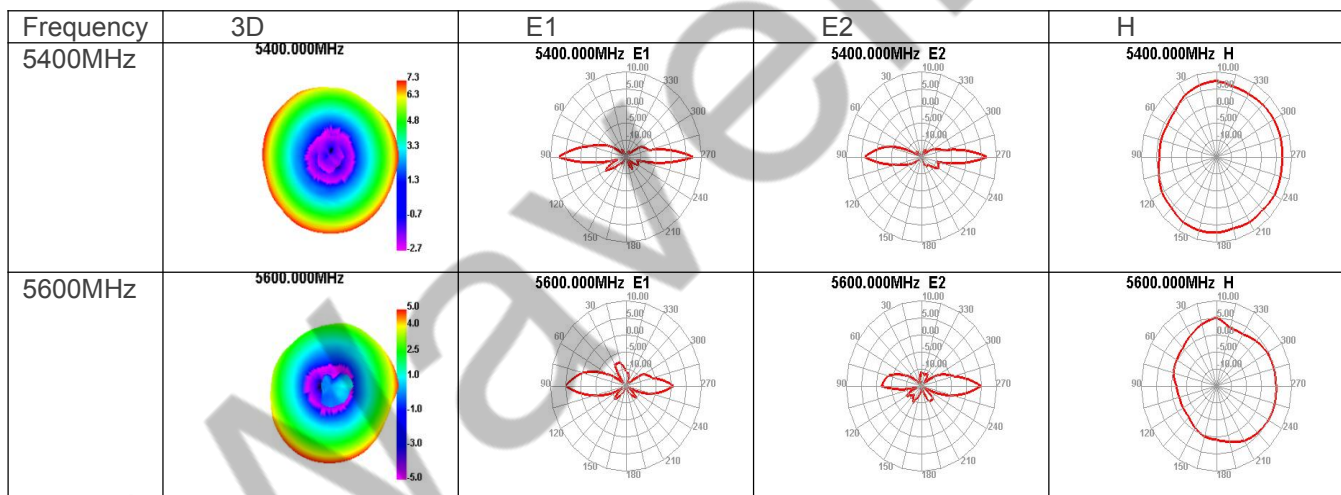
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
5250	92.14	-0.36	8.67	6.52	8.67	-22.14	9.02	53.31	53.39
5260	79.16	-1.02	7.85	5.7	7.85	-21.71	8.86	52.04	52.23
5270	77.32	-1.12	7.61	5.46	7.61	-22.03	8.73	52.12	52.37
5280	89.51	-0.48	8.09	5.94	8.09	-24.63	8.57	52.51	52.64
5290	83.6	-0.78	7.8	5.65	7.8	-27.47	8.58	52.04	52.33
5300	93.64	-0.29	8.37	6.22	8.37	-27.5	8.66	52.45	52.7
5310	83.5	-0.78	7.95	5.8	7.95	-26.29	8.73	51.94	52.17
5320	90.38	-0.44	8.38	6.23	8.38	-24.71	8.82	52.41	52.66
5330	81.3	-0.9	8	5.85	8	-24.52	8.9	52.05	52.45
5340	85.01	-0.71	8.27	6.12	8.27	-24.72	8.97	52.71	52.87
5350	87.41	-0.58	8.42	6.27	8.42	-24.39	9	52.92	53.28
5360	72.49	-1.4	7.68	5.53	7.68	-24.89	9.08	52.25	52.54
5370	79.41	-1	8.06	5.91	8.06	-24.78	9.06	53.09	53.2
5380	60.17	-2.21	6.88	4.73	6.88	-25.28	9.08	52.23	52.6
5390	70.06	-1.55	7.48	5.33	7.48	-23.65	9.02	53.21	53.46
5400	67.86	-1.68	7.3	5.15	7.3	-24.46	8.98	53.26	53.42
5410	64.33	-1.92	7.26	5.11	7.26	-24.14	9.17	52.89	53.23
5420	72.22	-1.41	7.92	5.77	7.92	-23.26	9.34	53.6	53.82
5430	55.22	-2.58	6.92	4.77	6.92	-26.56	9.49	52.91	52.99
5440	62.79	-2.02	7.6	5.45	7.6	-27.48	9.62	53.39	53.71
5450	62.03	-2.07	7.66	5.51	7.66	-28.01	9.73	53.75	53.73
5460	64.03	-1.94	7.88	5.73	7.88	-27.35	9.82	53.34	53.54
5470	58.24	-2.35	7.56	5.41	7.56	-27.12	9.91	53.43	53.55
5480	55.93	-2.52	7.45	5.3	7.45	-25.81	9.97	53.16	53.23
5490	53.74	-2.7	7.3	5.15	7.3	-25.01	10	53	53.25
5500	51.55	-2.88	7.12	4.97	7.12	-24.59	10	53.23	53.25
5510	52.96	-2.76	7.24	5.09	7.24	-24.59	10	53.14	53.39
5520	48.94	-3.1	6.84	4.69	6.84	-23.8	9.94	53.09	53.13
5530	43.22	-3.64	6.24	4.09	6.24	-22.13	9.88	52.73	52.94
5540	47.77	-3.21	6.59	4.44	6.59	-19.84	9.79	53.39	53.46
5550	41.14	-3.86	5.78	3.63	5.78	-21.04	9.64	52.88	53.04
5560	47.61	-3.22	6.42	4.27	6.42	-23.87	9.64	54	54.23
5570	42.12	-3.76	5.88	3.73	5.88	-29.01	9.64	53.45	53.48
5580	38.43	-4.15	5.41	3.26	5.41	-30.65	9.56	53.19	53.65
5590	43.4	-3.63	5.87	3.72	5.87	-33.7	9.49	54.03	54.06
5600	36.57	-4.37	5.03	2.88	5.03	-27.5	9.4	52.82	53.2
5610	40.74	-3.9	5.44	3.29	5.44	-32.24	9.34	53.55	53.9
5620	37.82	-4.22	5.09	2.94	5.09	-32.74	9.31	53.28	53.37
5630	36.44	-4.38	4.9	2.75	4.9	-30.61	9.28	53.27	53.76
5640	34.94	-4.57	4.66	2.51	4.66	-27.62	9.23	53.06	53.25
5650	34.81	-4.58	4.58	2.43	4.58	-25.44	9.16	53.02	53.26

5660	34.67	-4.6	4.44	2.29	4.44	-28.23	9.04	53.34	53.74
5670	33.78	-4.71	4.27	2.12	4.27	-30.98	8.98	53.33	53.56
5680	34.66	-4.6	4.3	2.15	4.3	-35.84	8.9	53.49	53.76
5690	33.25	-4.78	4.08	1.93	4.08	-35.55	8.86	53.3	53.65
5700	35.24	-4.53	4.22	2.07	4.22	-28.73	8.75	53.34	53.6
5710	33.99	-4.69	3.92	1.77	3.92	-25.95	8.61	53.35	53.55
5720	34.2	-4.66	3.71	1.56	3.71	-29.92	8.36	53.34	53.59
5730	35.01	-4.56	3.45	1.3	3.45	-32.46	8.01	53.74	53.98
5740	34.95	-4.57	3.07	0.92	3.07	-30.98	7.64	53.63	53.71
5750	36.52	-4.37	3.02	0.87	3.02	-27.48	7.39	53.75	54.03
5760	34.97	-4.56	3.08	0.93	3.08	-27.22	7.65	53.92	53.91
5770	37.08	-4.31	3.55	1.4	3.55	-25.48	7.86	53.85	54.01
5780	36.92	-4.33	3.62	1.47	3.62	-22.02	7.95	54.09	54.18
5790	39.84	-4	4	1.85	4	-22.41	8	53.9	53.81
5800	43.23	-3.64	4.34	2.19	4.34	-24.96	7.98	54.18	54.41



5 Product Size

[illegible]

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.