

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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Wavelink

1 Product Description

This wavelink PCB antenna covers WiFi 2.4 and WiFi 5.8.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	2400-2500 MHz 5150-5850MHz
Input Impedance	50 Ω

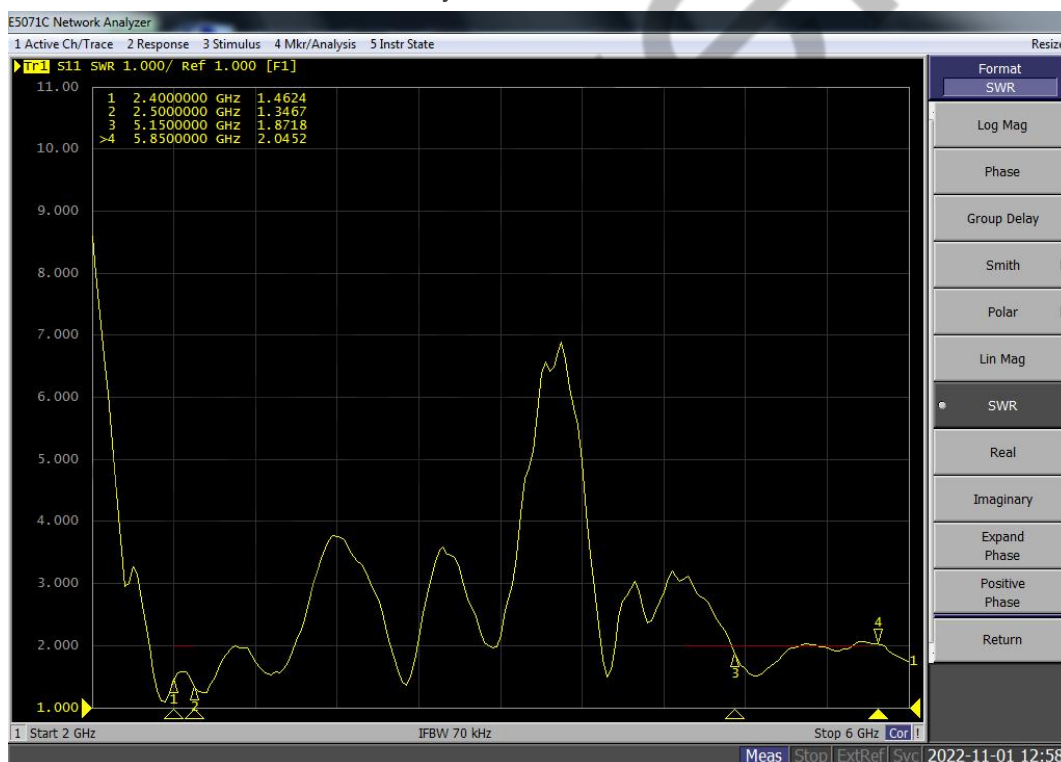
VSWR	≤ 2.5
Gain	≤ 4 dBi
Polarization Type	Linear

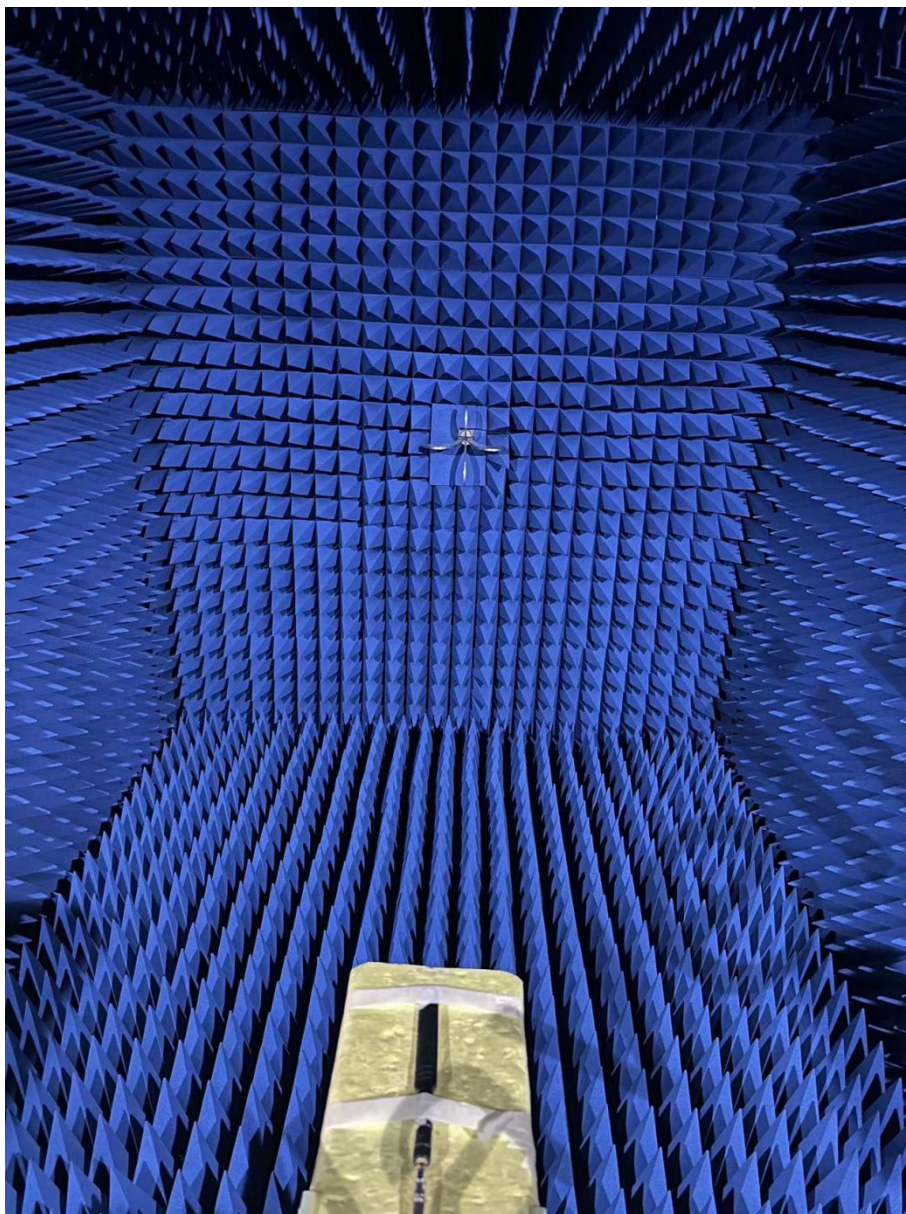
Mechanical Specifications

Antenna Size	159 mm × 13 mm
Casing	PCB
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

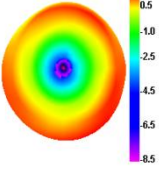
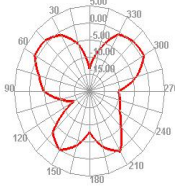
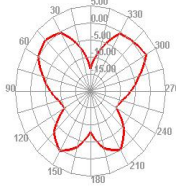
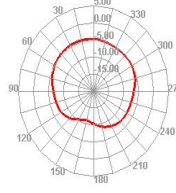
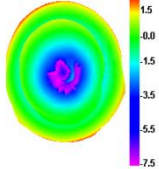
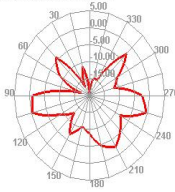
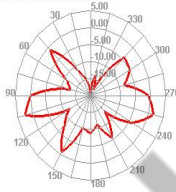
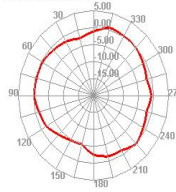




Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
2400	52.72	-2.78	1.45	-0.7	1.45	-17.36	2.78	46.78	46.66
2410	51.55	-2.88	1.42	-0.73	1.42	-16.66	2.88	46.54	46.47
2420	53.77	-2.69	1.62	-0.53	1.62	-15.65	2.69	46.78	46.77
2430	52.37	-2.81	1.43	-0.72	1.43	-14.95	2.81	46.65	46.52
2440	52.44	-2.8	1.33	-0.82	1.33	-14.65	2.8	46.79	46.73
2450	54.99	-2.6	1.47	-0.68	1.47	-14.1	2.6	46.92	46.83
2460	56.33	-2.49	1.72	-0.43	1.72	-13.18	2.49	47.02	46.93
2470	55.44	-2.56	1.89	-0.26	1.89	-12.99	2.56	46.82	46.7
2480	60.98	-2.15	2.43	0.28	2.43	-12.55	2.15	47.15	47.03

2490	66.53	-1.77	2.79	0.64	2.79	-12.44	1.77	47.25	47.04
2500	66.51	-1.77	2.69	0.54	2.69	-12.61	1.77	47.08	46.9
5150	29.66	-5.28	-0.67	-2.82	-0.67	-21.35	5.28	52.43	52.34
5160	28.15	-5.51	-0.94	-3.09	-0.94	-20.69	5.51	52.12	52.18
5170	33.16	-4.79	-0.29	-2.44	-0.29	-23.38	4.79	52.6	52.46
5180	28.81	-5.4	-0.96	-3.11	-0.96	-26.27	5.4	52.05	52.05
5190	29.55	-5.29	-0.86	-3.01	-0.86	-30.86	5.29	52.18	52.17
5200	31.47	-5.02	-0.59	-2.74	-0.59	-32.18	5.02	52.5	52.27
5210	33.62	-4.73	-0.33	-2.48	-0.33	-26.11	4.73	52.27	52.38
5220	32.7	-4.85	-0.5	-2.65	-0.5	-25.18	4.85	52.4	52.27
5230	35.52	-4.5	-0.23	-2.38	-0.23	-22.85	4.5	52.24	52.27
5240	36.52	-4.37	-0.32	-2.47	-0.32	-20.32	4.37	52.38	52.3
5250	34.54	-4.62	-0.79	-2.94	-0.79	-19.35	4.62	52.27	52.3
5260	39.18	-4.07	-0.01	-2.16	-0.01	-20.23	4.07	52.58	52.56
5270	40.25	-3.95	0.38	-1.77	0.38	-20.98	3.95	52.68	52.73
5280	40.8	-3.89	0.7	-1.45	0.7	-20.71	3.89	52.54	52.75
5290	44.39	-3.53	1.29	-0.86	1.29	-19.13	3.53	52.86	52.77
5300	42.97	-3.67	1.36	-0.79	1.36	-19.46	3.67	52.57	52.74
5310	43.46	-3.62	1.58	-0.57	1.58	-20.45	3.62	52.64	52.76
5320	49.29	-3.07	2.29	0.14	2.29	-21.62	3.07	53.01	53.1
5330	48.09	-3.18	2.35	0.2	2.35	-21.99	3.18	52.84	53.07
5340	48.1	-3.18	2.5	0.35	2.5	-21.46	3.18	52.93	53.13
5350	51.79	-2.86	2.96	0.81	2.96	-20.99	2.86	53.1	53.18
5360	49.21	-3.08	2.83	0.68	2.83	-20.77	3.08	53.07	53.26
5370	49.21	-3.08	2.94	0.79	2.94	-21.36	3.08	53.05	53.27
5380	50.11	-3	3.1	0.95	3.1	-21.18	3	53.13	53.16
5390	46.73	-3.3	2.86	0.71	2.86	-20.83	3.3	52.63	52.77
5400	56.87	-2.45	3.76	1.61	3.76	-20.49	2.45	53.43	53.58
5410	56.61	-2.47	3.78	1.63	3.78	-20.85	2.47	53.54	53.62
5420	55.33	-2.57	3.71	1.56	3.71	-20.11	2.57	53.45	53.52
5430	51.44	-2.89	3.45	1.3	3.45	-18.54	2.89	53.6	53.75
5440	55.18	-2.58	3.79	1.64	3.79	-16.45	2.58	53.9	53.8
5450	56.17	-2.51	3.91	1.76	3.91	-15.18	2.51	53.96	53.96
5460	49.95	-3.01	3.44	1.29	3.44	-15.71	3.01	54.16	54.21
5470	53.65	-2.7	3.74	1.59	3.74	-15.76	2.7	53.92	53.79
5480	49.34	-3.07	3.37	1.22	3.37	-15.83	3.07	53.84	53.78
5490	48.78	-3.12	3.31	1.16	3.31	-16.16	3.12	53.87	53.89
5500	50.77	-2.94	3.47	1.32	3.47	-17.11	2.94	53.87	53.76
5510	46.22	-3.35	3.08	0.93	3.08	-18.84	3.35	53.73	53.72
5520	44.73	-3.49	2.96	0.81	2.96	-19.3	3.49	53.63	53.68
5530	44.77	-3.49	2.99	0.84	2.99	-19.12	3.49	53.99	53.91
5540	44.74	-3.49	3.02	0.87	3.02	-19.45	3.49	53.7	53.69
5550	42.91	-3.67	2.83	0.68	2.83	-19.9	3.67	53.94	53.98
5560	45.5	-3.42	3.08	0.93	3.08	-20.22	3.42	53.96	54.02

5570	45.68	-3.4	3.02	0.87	3.02	-20.88	3.4	54.05	53.98
5580	40.82	-3.89	2.48	0.33	2.48	-21.33	3.89	54.53	54.71
5590	44.86	-3.48	2.81	0.66	2.81	-23.86	3.48	54.27	54.3
5600	42.06	-3.76	2.49	0.34	2.49	-26.12	3.76	54.33	54.33
5610	42.86	-3.68	2.62	0.47	2.62	-25.26	3.68	54.14	54.42
5620	45.79	-3.39	2.87	0.72	2.87	-23.12	3.39	54.12	54.07
5630	42.77	-3.69	2.57	0.42	2.57	-24.97	3.69	53.81	53.96
5640	42.29	-3.74	2.53	0.38	2.53	-25.37	3.74	53.97	54.06
5650	43.95	-3.57	2.65	0.5	2.65	-24.68	3.57	53.97	54.04
5660	45.13	-3.46	2.76	0.61	2.76	-24.31	3.46	53.91	53.96
5670	44.51	-3.52	2.66	0.51	2.66	-24.42	3.52	53.95	54.04
5680	46.85	-3.29	2.87	0.72	2.87	-25.76	3.29	54.11	54.19
5690	45.43	-3.43	2.69	0.54	2.69	-24.35	3.43	54.12	54.05
5700	44.61	-3.51	2.53	0.38	2.53	-26.44	3.51	54.07	54.28
5710	47.13	-3.27	2.68	0.53	2.68	-28.85	3.27	54.1	54.06
5720	47.39	-3.24	2.61	0.46	2.61	-28.84	3.24	54.12	54.09
5730	47.26	-3.25	2.5	0.35	2.5	-25.19	3.25	54.19	54.3
5740	49.42	-3.06	2.62	0.47	2.62	-23.65	3.06	54.46	54.39
5750	46.02	-3.37	2.24	0.09	2.24	-26.6	3.37	54.33	54.22
5760	43.67	-3.6	1.99	-0.16	1.99	-27.04	3.6	54.29	54.29
5770	46.29	-3.34	2.27	0.12	2.27	-24.78	3.34	54.53	54.36
5780	46.88	-3.29	2.37	0.22	2.37	-23.02	3.29	54.48	54.35
5790	43.15	-3.65	2.05	-0.1	2.05	-21.96	3.65	54.4	54.34
5800	45.8	-3.39	2.36	0.21	2.36	-20.76	3.39	54.54	54.37
5810	42.64	-3.7	2.12	-0.03	2.12	-20.06	3.7	54.38	54.21
5820	43.04	-3.66	2.23	0.08	2.23	-19.19	3.66	54.57	54.44
5830	45.96	-3.38	2.55	0.4	2.55	-19.58	3.38	54.61	54.45
5840	42.6	-3.71	2.3	0.15	2.3	-20.63	3.71	54.67	54.43
5850	45.58	-3.41	2.65	0.5	2.65	-19.27	3.41	54.72	54.61

Frequency	3D	E1	E2	H
2400MHz	2450.000MHz 	2450.000MHz E1 	2450.000MHz E2 	2450.000MHz H 
5800MHz	5600.000MHz 	5600.000MHz E1 	5600.000MHz E2 	5600.000MHz H 

5 Product Size

