

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 antenna covers GSM.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	824-960 MHz 1710-2170MHz
Input Impedance	50 Ω

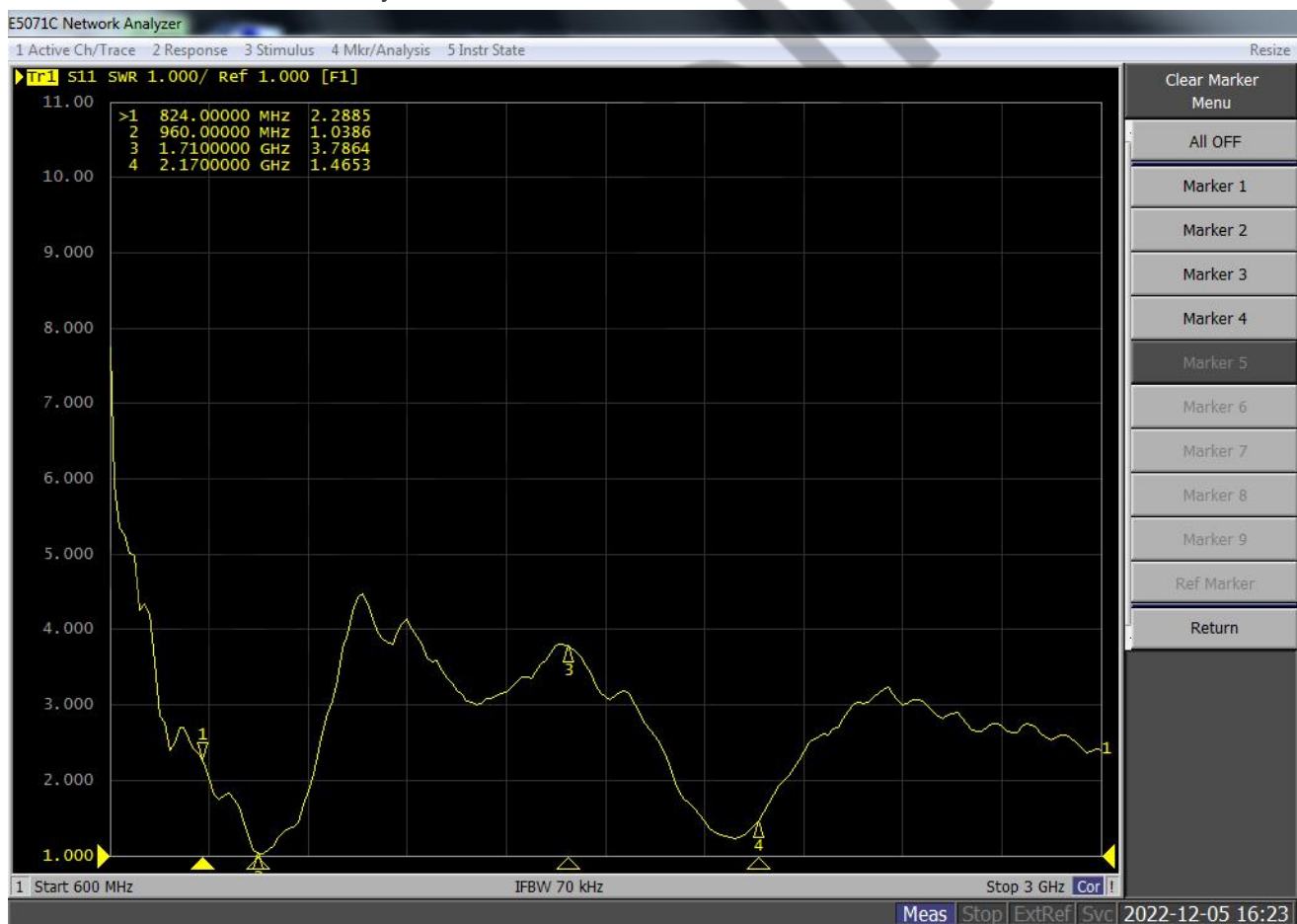
VSWR	≤ 4
Gain	≤ 3 dBi
Polarization Type	Linear

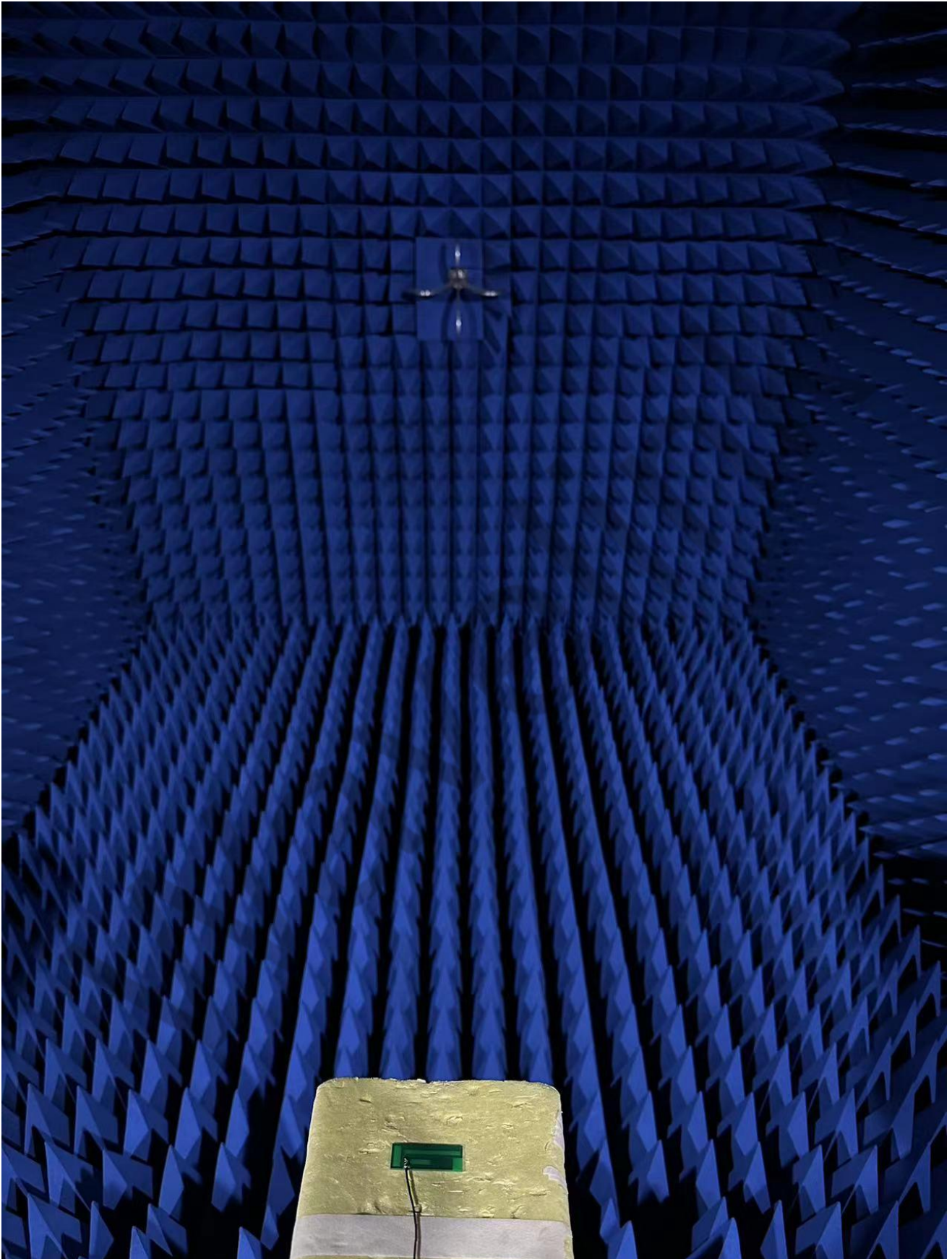
Mechanical Specifications

Antenna Size	40mm × 15mm
Connector Type	I-PEX
Working Temperature	-40 °C to +85 °C
Casing	PCB

4 Overall Performance

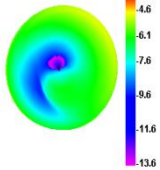
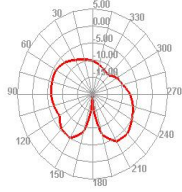
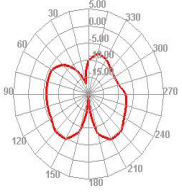
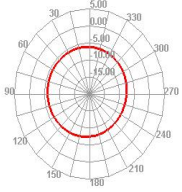
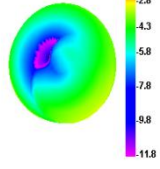
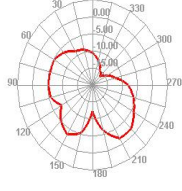
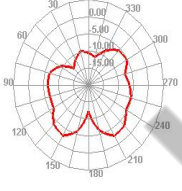
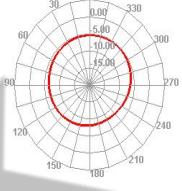
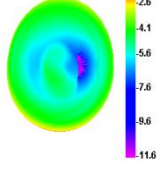
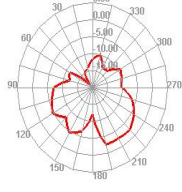
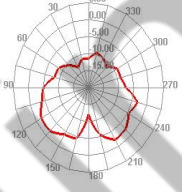
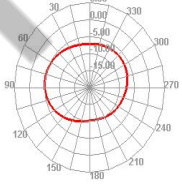
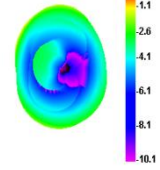
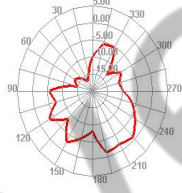
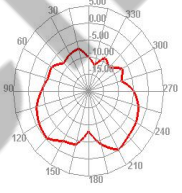
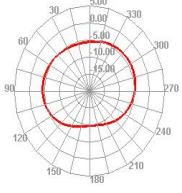
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz



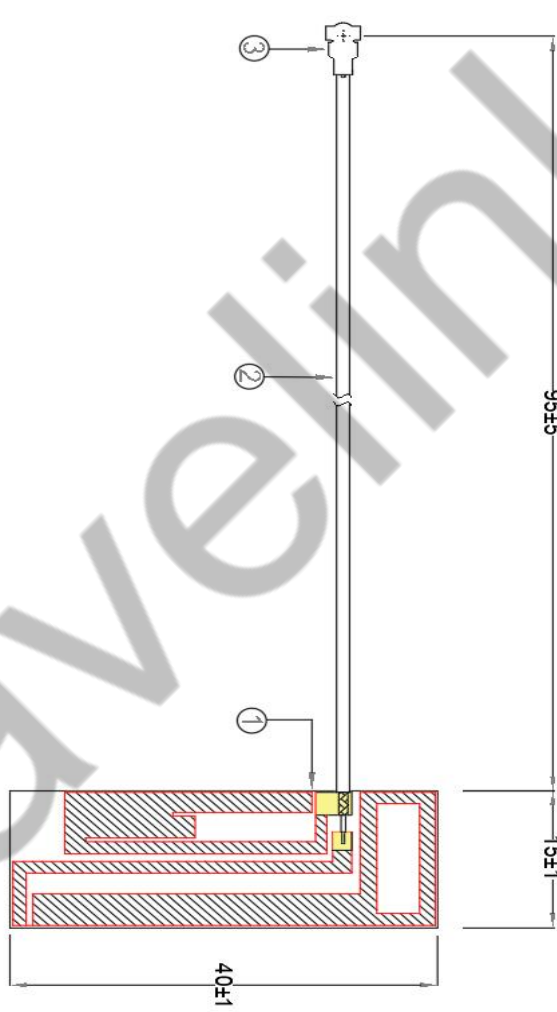


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
820	20.9	-6.8	-3.57	-5.72	-3.57	-19.59	3.23	37.56	37.65
830	21.92	-6.59	-3.29	-5.44	-3.29	-19.84	3.3	38.01	38.02
840	19.38	-7.13	-3.68	-5.83	-3.68	-24.89	3.44	37.66	37.69
850	20.37	-6.91	-3.39	-5.54	-3.39	-26.05	3.52	37.95	37.95
860	22.85	-6.41	-2.82	-4.97	-2.82	-25	3.59	38.46	38.51
870	22.49	-6.48	-2.81	-4.96	-2.81	-22.45	3.67	38.56	38.57
880	23.58	-6.27	-2.57	-4.72	-2.57	-21.99	3.7	39.13	39.13
890	24.97	-6.03	-2.1	-4.25	-2.1	-21.81	3.92	39.4	39.39
900	23.56	-6.28	-2.16	-4.31	-2.16	-23.96	4.12	39.82	39.71
910	23.74	-6.25	-2	-4.15	-2	-22.37	4.25	40.04	39.93
920	22.8	-6.42	-2.01	-4.16	-2.01	-19.37	4.41	40.17	40.07
930	22.15	-6.55	-2.14	-4.29	-2.14	-18.63	4.41	40.36	40.22
940	22.98	-6.39	-1.97	-4.12	-1.97	-20.64	4.42	40.37	40.21
950	23.89	-6.22	-1.84	-3.99	-1.84	-21.28	4.38	40.51	40.23
960	24.53	-6.1	-1.79	-3.94	-1.79	-21.78	4.31	40.26	39.96
1710	21.74	-6.63	-1.84	-3.99	-1.84	-22	4.78	42.41	42.5
1720	23.06	-6.37	-1.6	-3.75	-1.6	-21.34	4.77	42.24	42.31
1730	20.76	-6.83	-2.11	-4.26	-2.11	-19.65	4.71	42.06	42.19
1740	25.08	-6.01	-1.27	-3.42	-1.27	-18.18	4.74	42.71	42.9
1750	24.57	-6.1	-1.44	-3.59	-1.44	-17.19	4.65	42.75	42.88
1760	22.81	-6.42	-1.69	-3.84	-1.69	-17.62	4.73	42.78	42.9
1770	25.73	-5.9	-1.2	-3.35	-1.2	-18.81	4.69	42.99	43.01
1780	23.18	-6.35	-1.61	-3.76	-1.61	-22.29	4.74	42.84	42.92
1790	23.68	-6.26	-1.61	-3.76	-1.61	-25.57	4.65	42.72	42.8
1800	24.21	-6.16	-1.56	-3.71	-1.56	-28.34	4.6	42.62	42.74
1810	25.28	-5.97	-1.4	-3.55	-1.4	-27.95	4.58	42.94	43.1
1820	26.4	-5.78	-1.13	-3.28	-1.13	-25.81	4.66	42.81	42.89
1830	26.67	-5.74	-1	-3.15	-1	-25.52	4.74	42.95	42.99
1840	30.84	-5.11	-0.27	-2.42	-0.27	-23.61	4.84	43.3	43.22
1850	31.97	-4.95	0.01	-2.14	0.01	-21.3	4.96	43.34	43.21
1860	31.12	-5.07	0	-2.15	0	-19.42	5.07	43.55	43.42
1870	32.28	-4.91	0.14	-2.01	0.14	-17.78	5.05	43.39	43.24
1880	32.11	-4.93	0.05	-2.1	0.05	-18.31	4.98	43.41	43.26
1890	34.05	-4.68	0.2	-1.95	0.2	-17.77	4.88	43.39	43.23
1900	32.34	-4.9	-0.06	-2.21	-0.06	-17.72	4.85	43.4	43.23
1910	33.67	-4.73	0.2	-1.95	0.2	-17.61	4.92	43.53	43.29
1920	34.49	-4.62	0.48	-1.67	0.48	-19.81	5.11	43.68	43.56
1930	33.49	-4.75	0.54	-1.61	0.54	-22.04	5.29	43.82	43.66
1940	34.89	-4.57	0.87	-1.28	0.87	-23.86	5.44	43.64	43.54
1950	34.55	-4.61	0.96	-1.19	0.96	-24.18	5.57	43.69	43.62
1960	34.12	-4.67	1	-1.15	1	-24.02	5.67	43.61	43.5
1970	35.13	-4.54	1.23	-0.92	1.23	-22.37	5.77	43.6	43.5

1980	36.67	-4.36	1.49	-0.66	1.49	-19.26	5.85	43.65	43.62
1990	39.72	-4.01	1.9	-0.25	1.9	-16.25	5.91	43.8	43.76
2000	43.37	-3.63	2.34	0.19	2.34	-15.58	5.97	44.07	44.09
2010	46.02	-3.37	2.66	0.51	2.66	-16.56	6.03	44.5	44.61
2020	47.66	-3.22	2.9	0.75	2.9	-17.02	6.12	44.48	44.56
2030	48.43	-3.15	3.02	0.87	3.02	-16.8	6.17	44.6	44.76
2040	47.54	-3.23	2.98	0.83	2.98	-18.89	6.21	44.55	44.67
2050	47.55	-3.23	2.98	0.83	2.98	-19.24	6.21	44.46	44.6
2060	47.72	-3.21	2.97	0.82	2.97	-18.85	6.19	44.56	44.67
2070	47.84	-3.2	2.93	0.78	2.93	-18.97	6.13	44.55	44.64
2080	47.35	-3.25	2.8	0.65	2.8	-17.95	6.05	44.51	44.7
2090	47.44	-3.24	2.77	0.62	2.77	-16.82	6.01	44.47	44.66
2100	46.33	-3.34	2.68	0.53	2.68	-15.82	6.02	44.59	44.83
2110	50.59	-2.96	3.12	0.97	3.12	-14.8	6.08	44.8	44.98
2120	50.48	-2.97	3.2	1.05	3.2	-16.01	6.17	44.86	45.02
2130	50.67	-2.95	3.25	1.1	3.25	-15.94	6.21	44.83	44.9
2140	50.36	-2.98	3.2	1.05	3.2	-15.98	6.18	44.8	44.9
2150	51.29	-2.9	3.15	1	3.15	-15.25	6.05	44.91	45
2160	51.89	-2.85	3.04	0.89	3.04	-15.79	5.89	44.83	44.89
2170	52.4	-2.81	2.95	0.8	2.95	-16.7	5.76	45.01	45.18

Frequency	3D	E1	E2	H
820MHz	820.000MHz 	820.000MHz E1 	820.000MHz E2 	820.000MHz H 
960MHz	960.000MHz 	960.000MHz E1 	960.000MHz E2 	960.000MHz H 
1800MHz	1800.000MHz 	1800.000MHz E1 	1800.000MHz E2 	1800.000MHz H 
1900MHz	1900.000MHz 	1900.000MHz E1 	1900.000MHz E2 	1900.000MHz H 

5 Product Size

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