

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

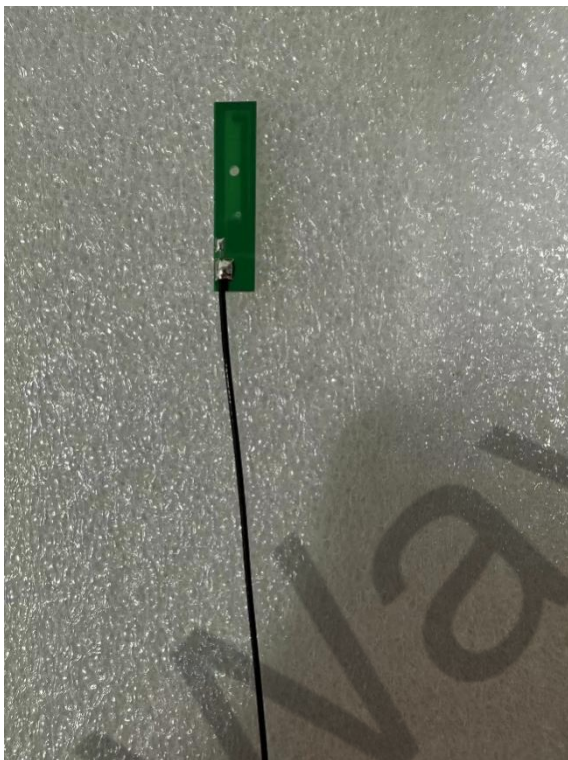
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1 Product Description

This wavelink antenna covers GSM.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	824-960MHz /1710-2170MHz
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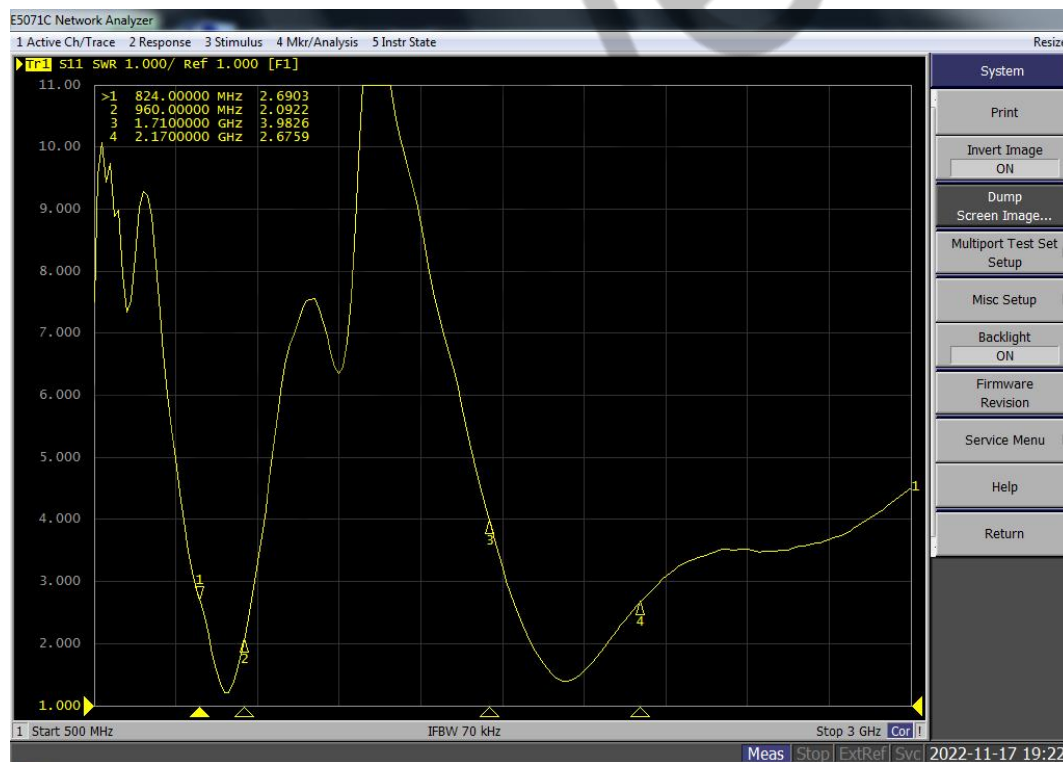
Input Impedance	50 Ω
VSWR	≤ 2
Gain	≤ 2 dBi
Polarization Type	Linear

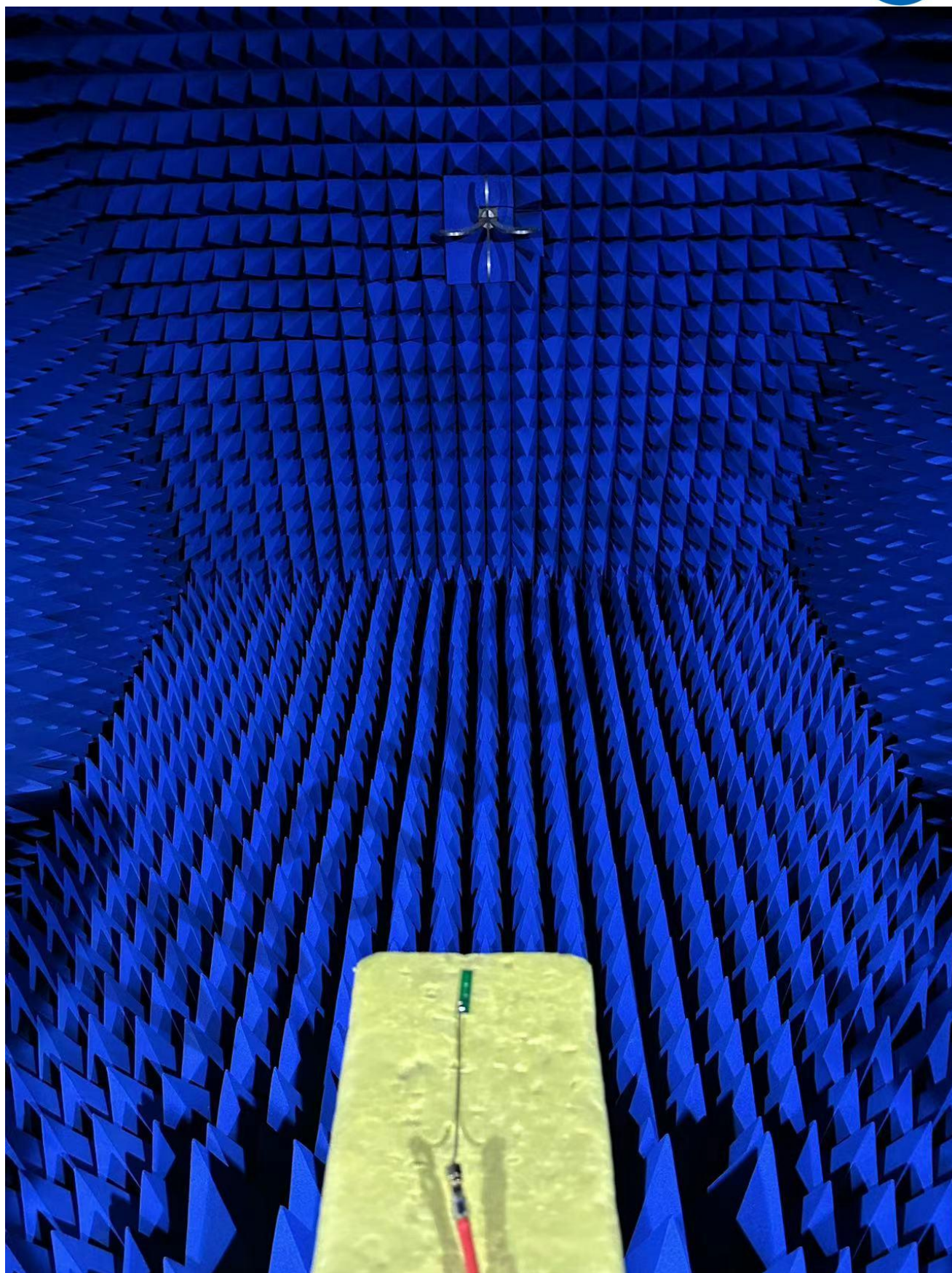
Mechanical Specifications

Antenna Size	31mm $\times$ 7 mm
Casing	PCB
Connector Type	I-PEX
Working Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Radome Color	Green

4 Overall Performance

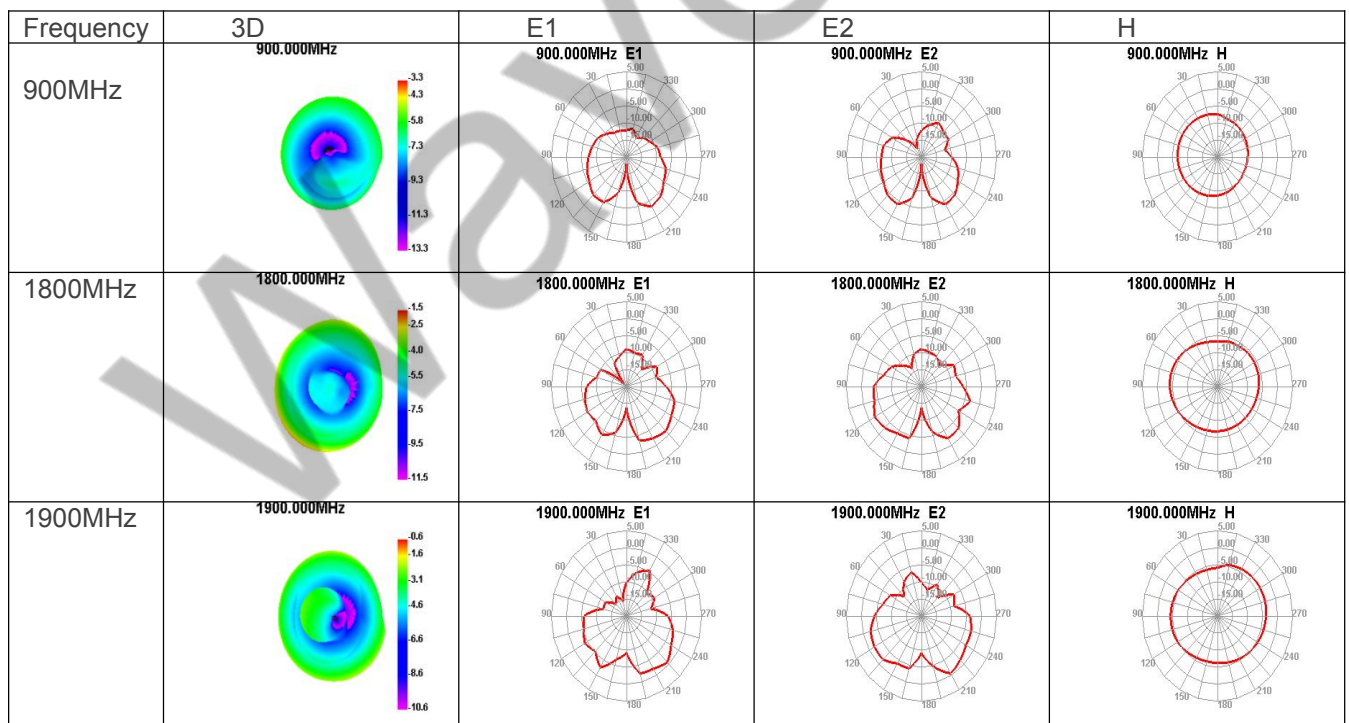
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
820	17.51	-7.57	-4.03	-6.18	-4.03	-20.88	3.54	37.56	37.65
830	18.31	-7.37	-3.69	-5.84	-3.69	-20.54	3.68	38.01	38.02
840	15.87	-7.99	-4.14	-6.29	-4.14	-20.98	3.85	37.66	37.69
850	16.6	-7.8	-3.91	-6.06	-3.91	-20.09	3.89	37.95	37.95
860	19.15	-7.18	-3.37	-5.52	-3.37	-19.05	3.81	38.46	38.51
870	18.27	-7.38	-3.6	-5.75	-3.6	-19.2	3.78	38.56	38.57
880	19.01	-7.21	-3.55	-5.7	-3.55	-18.96	3.66	39.13	39.13
890	20.21	-6.95	-3.25	-5.4	-3.25	-18.63	3.7	39.4	39.39
900	18.8	-7.26	-3.31	-5.46	-3.31	-18.65	3.95	39.82	39.71
910	19.16	-7.17	-3.15	-5.3	-3.15	-17.54	4.03	40.04	39.93
920	18.02	-7.44	-3.19	-5.34	-3.19	-16.7	4.26	40.17	40.07
930	17.18	-7.65	-3.23	-5.38	-3.23	-18.22	4.42	40.36	40.22
940	17.95	-7.46	-2.95	-5.1	-2.95	-18.6	4.51	40.37	40.21
950	18.05	-7.44	-2.97	-5.12	-2.97	-18.24	4.46	40.51	40.23
960	19.38	-7.13	-2.77	-4.92	-2.77	-16.64	4.36	40.26	39.96
1710	28.58	-5.44	-1.39	-3.54	-1.39	-15.36	4.05	42.41	42.5
1720	26.35	-5.79	-1.68	-3.83	-1.68	-15.27	4.11	42.24	42.31
1730	25.86	-5.87	-1.78	-3.93	-1.78	-15.15	4.09	42.06	42.19
1740	30.66	-5.13	-1.05	-3.2	-1.05	-14.32	4.09	42.71	42.9
1750	30.43	-5.17	-1.09	-3.24	-1.09	-14.59	4.08	42.75	42.88
1760	29.34	-5.32	-1.18	-3.33	-1.18	-14.12	4.14	42.78	42.9
1770	29.47	-5.31	-1.06	-3.21	-1.06	-15.31	4.24	42.99	43.01
1780	27.87	-5.55	-1.24	-3.39	-1.24	-17.62	4.31	42.84	42.92
1790	28.84	-5.4	-1.07	-3.22	-1.07	-19.02	4.33	42.72	42.8
1800	27.1	-5.67	-1.45	-3.6	-1.45	-21.65	4.22	42.62	42.74
1810	31.25	-5.05	-0.92	-3.07	-0.92	-22.97	4.14	42.94	43.1
1820	28.33	-5.48	-1.39	-3.54	-1.39	-24.33	4.08	42.81	42.89
1830	29.08	-5.36	-1.23	-3.38	-1.23	-25.74	4.13	42.95	42.99
1840	31.68	-4.99	-0.78	-2.93	-0.78	-26.04	4.21	43.3	43.22
1850	31.57	-5.01	-0.71	-2.86	-0.71	-24.04	4.3	43.34	43.21
1860	34.42	-4.63	-0.33	-2.48	-0.33	-21.25	4.3	43.55	43.42
1870	30.78	-5.12	-0.85	-3	-0.85	-19.35	4.27	43.39	43.24
1880	31.86	-4.97	-0.65	-2.8	-0.65	-19.85	4.32	43.41	43.26
1890	32.67	-4.86	-0.49	-2.64	-0.49	-20.92	4.36	43.39	43.23
1900	31.36	-5.04	-0.56	-2.71	-0.56	-21.58	4.48	43.4	43.23
1910	32.07	-4.94	-0.35	-2.5	-0.35	-21.11	4.58	43.53	43.29
1920	32.25	-4.92	-0.12	-2.27	-0.12	-19.44	4.8	43.68	43.56
1930	30.95	-5.09	-0.09	-2.24	-0.09	-17.47	5.01	43.82	43.66
1940	30.74	-5.12	0.06	-2.09	0.06	-18.56	5.18	43.64	43.54
1950	30.57	-5.15	0.09	-2.06	0.09	-19.13	5.24	43.69	43.62
1960	32.22	-4.92	0.33	-1.82	0.33	-19.47	5.25	43.61	43.5

1970	28.96	-5.38	-0.14	-2.29	-0.14	-21.32	5.24	43.6	43.5
1980	31.09	-5.07	0.19	-1.96	0.19	-22.48	5.27	43.65	43.62
1990	30.97	-5.09	0.23	-1.92	0.23	-22.32	5.32	43.8	43.76
2000	33.36	-4.77	0.57	-1.58	0.57	-22.07	5.34	44.07	44.09
2010	35.74	-4.47	0.93	-1.22	0.93	-23.13	5.4	44.5	44.61
2020	34.1	-4.67	0.84	-1.31	0.84	-20.07	5.51	44.48	44.56
2030	35.05	-4.55	1.07	-1.08	1.07	-16.97	5.62	44.6	44.76
2040	33.22	-4.79	0.89	-1.26	0.89	-15.01	5.67	44.55	44.67
2050	33.76	-4.72	0.96	-1.19	0.96	-14.16	5.68	44.46	44.6
2060	33.39	-4.76	0.88	-1.27	0.88	-13.75	5.64	44.56	44.67
2070	33.4	-4.76	0.9	-1.25	0.9	-13.88	5.66	44.55	44.64
2080	32.8	-4.84	0.86	-1.29	0.86	-15.14	5.7	44.51	44.7
2090	31.9	-4.96	0.85	-1.3	0.85	-16.51	5.81	44.47	44.66
2100	31.42	-5.03	0.84	-1.31	0.84	-17.25	5.86	44.59	44.83
2110	36.03	-4.43	1.46	-0.69	1.46	-17.02	5.89	44.8	44.98
2120	36.34	-4.4	1.45	-0.7	1.45	-16.77	5.85	44.86	45.02
2130	36.83	-4.34	1.4	-0.75	1.4	-16.59	5.74	44.83	44.9
2140	35.89	-4.45	1.22	-0.93	1.22	-16.81	5.67	44.8	44.9
2150	38.51	-4.14	1.53	-0.62	1.53	-16.57	5.67	44.91	45
2160	38.54	-4.14	1.62	-0.53	1.62	-15.76	5.77	44.83	44.89
2170	38.42	-4.15	1.73	-0.42	1.73	-14.53	5.88	45.01	45.18



5 Product Size

