

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	880-960 MHz 1710-1900MHz
Input Impedance	50 Ω

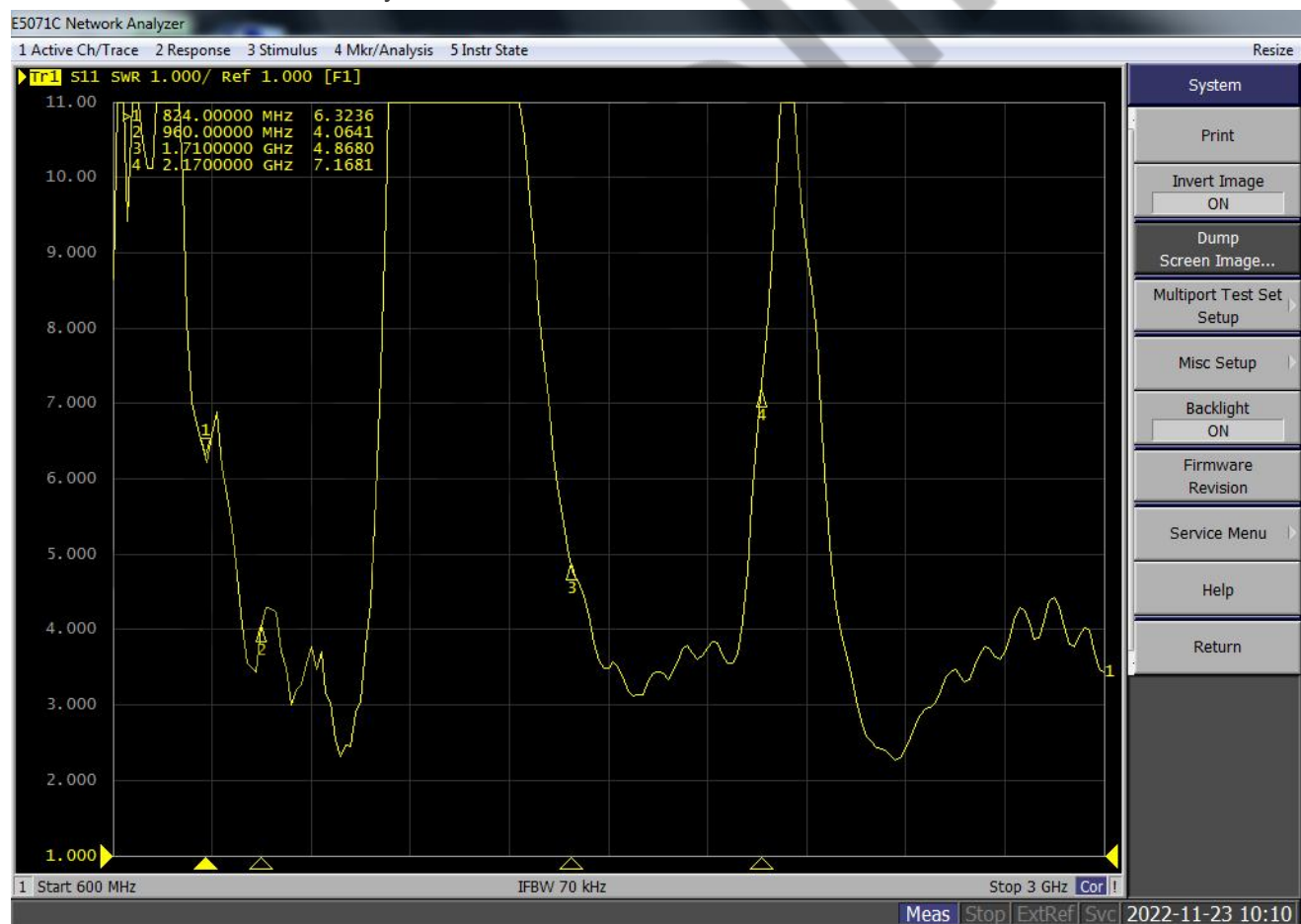
VSWR	≤ 4
Gain	≤ 1 dBi
Polarization Type	Linear

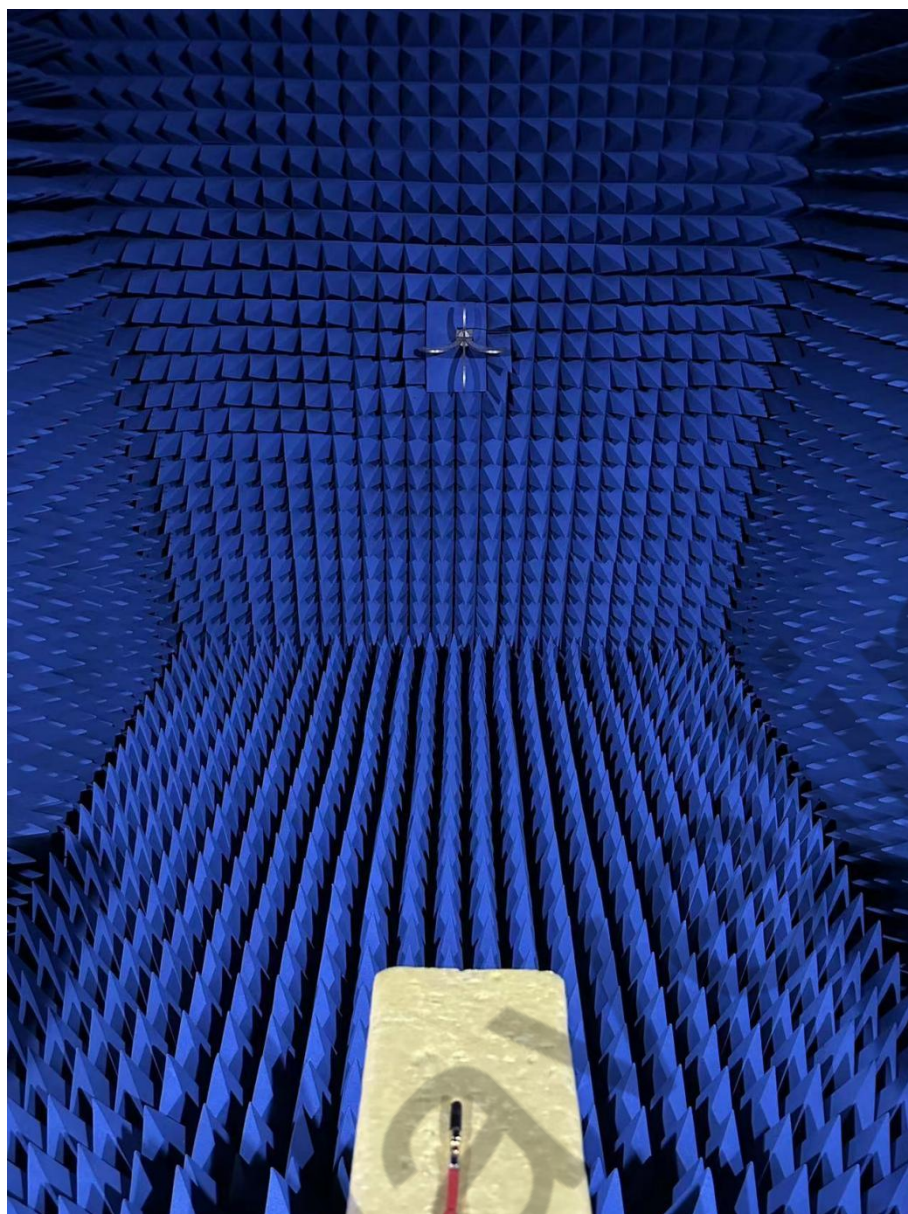
Mechanical Specifications

Antenna Size	28mm × 8mm
Connector Type	SMA
Working Temperature	-40 °C to +85 °C
Radome Color	Black

4 Overall Performance

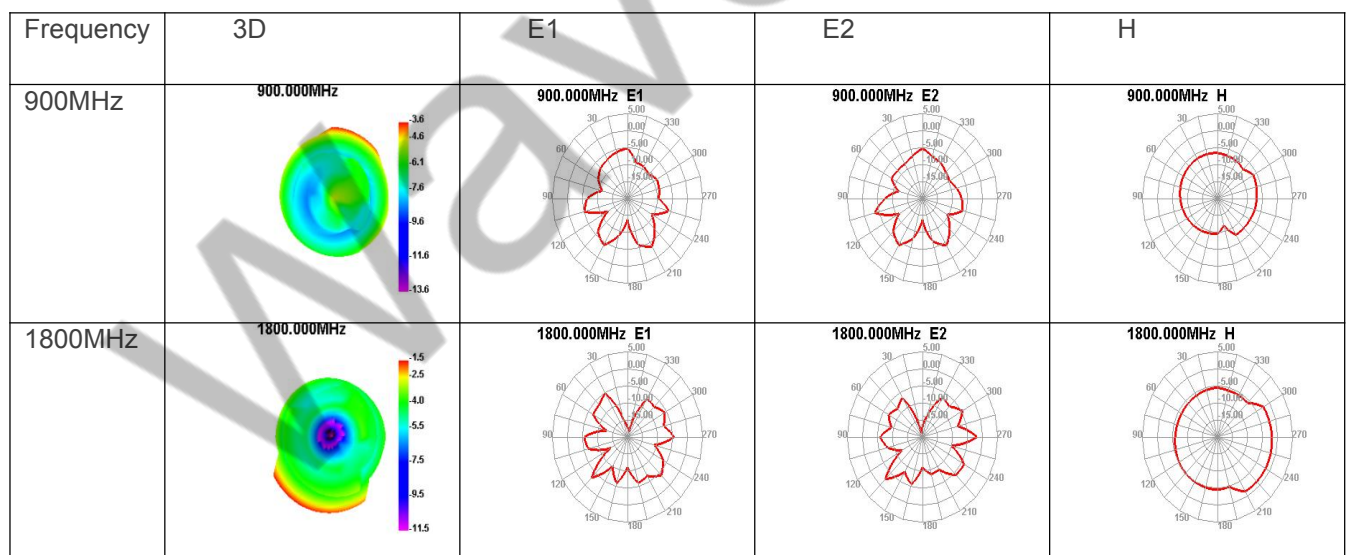
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz





Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
900	17.8	-7.5	-3.63	-5.78	-3.63	-16.38	7.5	38.89	38.48
905	23.1	-6.36	-2.39	-4.54	-2.39	-17.73	6.36	40.02	39.61
910	17.38	-7.6	-3.47	-5.62	-3.47	-22.67	7.6	38.79	38.38
915	25.14	-6	-1.65	-3.8	-1.65	-27.27	6	40.12	39.71
920	22.37	-6.5	-1.83	-3.98	-1.83	-25.42	6.5	39.52	39.09
925	24.84	-6.05	-1.15	-3.3	-1.15	-19.99	6.05	40.25	39.78
930	27.56	-5.6	-0.53	-2.68	-0.53	-16.26	5.6	40.86	40.33
935	24.44	-6.12	-0.82	-2.97	-0.82	-15.01	6.12	40.35	39.75
940	32.21	-4.92	0.54	-1.61	0.54	-13.78	4.92	41.74	41.06
945	22.4	-6.5	-0.97	-3.12	-0.97	-15.51	6.5	40.35	39.62

950	28.99	-5.38	0.22	-1.93	0.22	-14.93	5.38	41.57	40.8
955	20.7	-6.84	-1.21	-3.36	-1.21	-16.56	6.84	40.3	39.52
960	22.25	-6.53	-0.85	-3	-0.85	-16.56	6.53	40.58	39.82
1710	20.42	-6.9	-1.34	-3.49	-1.34	-21.52	6.9	42.38	42.28
1720	23.59	-6.27	-1.24	-3.39	-1.24	-19.28	6.27	42.63	42.45
1730	20.76	-6.83	-1.68	-3.83	-1.68	-20.4	6.83	42.47	42.25
1740	22.77	-6.43	-1.44	-3.59	-1.44	-21.07	6.43	42.37	42.16
1750	20.52	-6.88	-2.03	-4.18	-2.03	-22.66	6.88	42.4	42.19
1760	21.59	-6.66	-1.56	-3.71	-1.56	-22.61	6.66	42.68	42.45
1770	20.64	-6.85	-1.53	-3.68	-1.53	-23.76	6.85	42.45	42.22
1780	20.66	-6.85	-1.64	-3.79	-1.64	-23.29	6.85	42.31	42.07
1790	20.52	-6.88	-1.68	-3.83	-1.68	-21.76	6.88	42.28	41.97
1800	22.58	-6.46	-1.52	-3.67	-1.52	-19.79	6.46	42.54	42.15
1810	24.83	-6.05	-1.47	-3.62	-1.47	-19.49	6.05	42.55	42.14
1820	21.5	-6.68	-2.51	-4.66	-2.51	-20.89	6.68	42.37	42
1830	25.5	-5.94	-1.88	-4.03	-1.88	-21.23	5.94	42.75	42.38
1840	28.05	-5.52	-2.16	-4.31	-2.16	-21.36	5.52	43.03	42.69
1850	29.61	-5.29	-1.75	-3.9	-1.75	-21.44	5.29	43.26	42.98
1860	32.37	-4.9	-1.52	-3.67	-1.52	-21.51	4.9	43.28	42.98
1870	32.17	-4.92	-1.57	-3.72	-1.57	-22.72	4.92	43.15	42.86
1880	34.88	-4.57	-0.85	-3	-0.85	-24.33	4.57	43.21	42.94
1890	40.77	-3.9	-0.19	-2.34	-0.19	-25.27	3.9	43.39	43.06
1900	41.57	-3.81	0.29	-1.86	0.29	-24.35	3.81	43.49	43.26



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.