

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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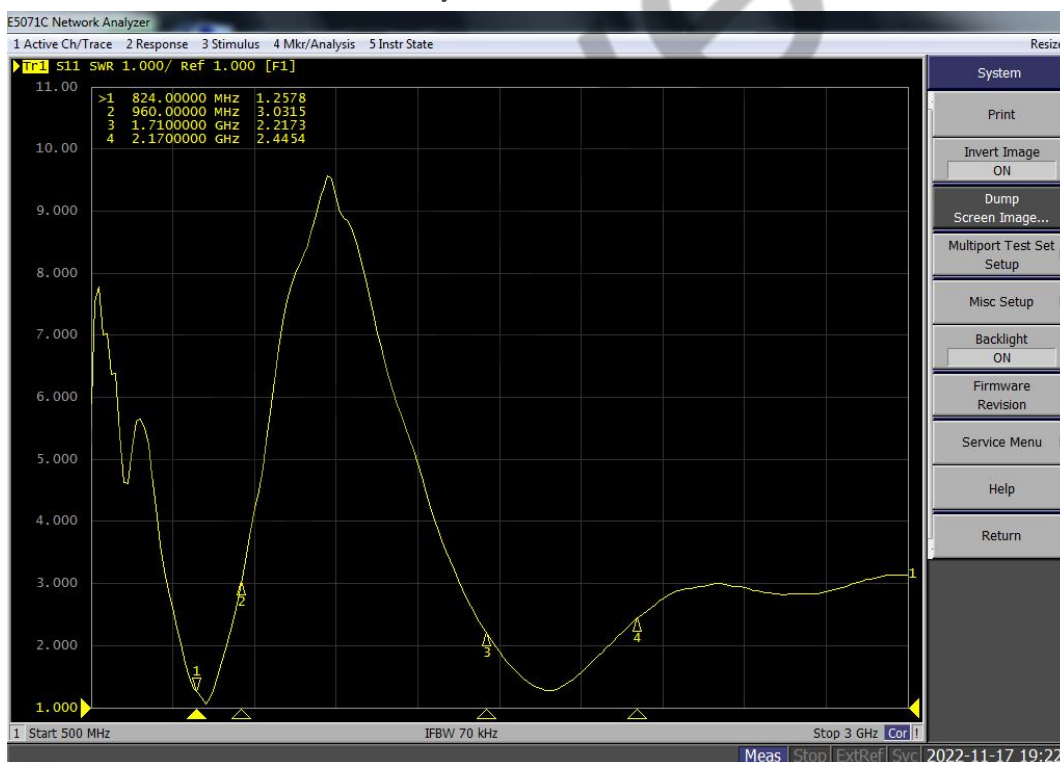
Input Impedance	50 Ω
VSWR	≤ 3
Gain	≤ 2 dBi
Polarization Type	Linear

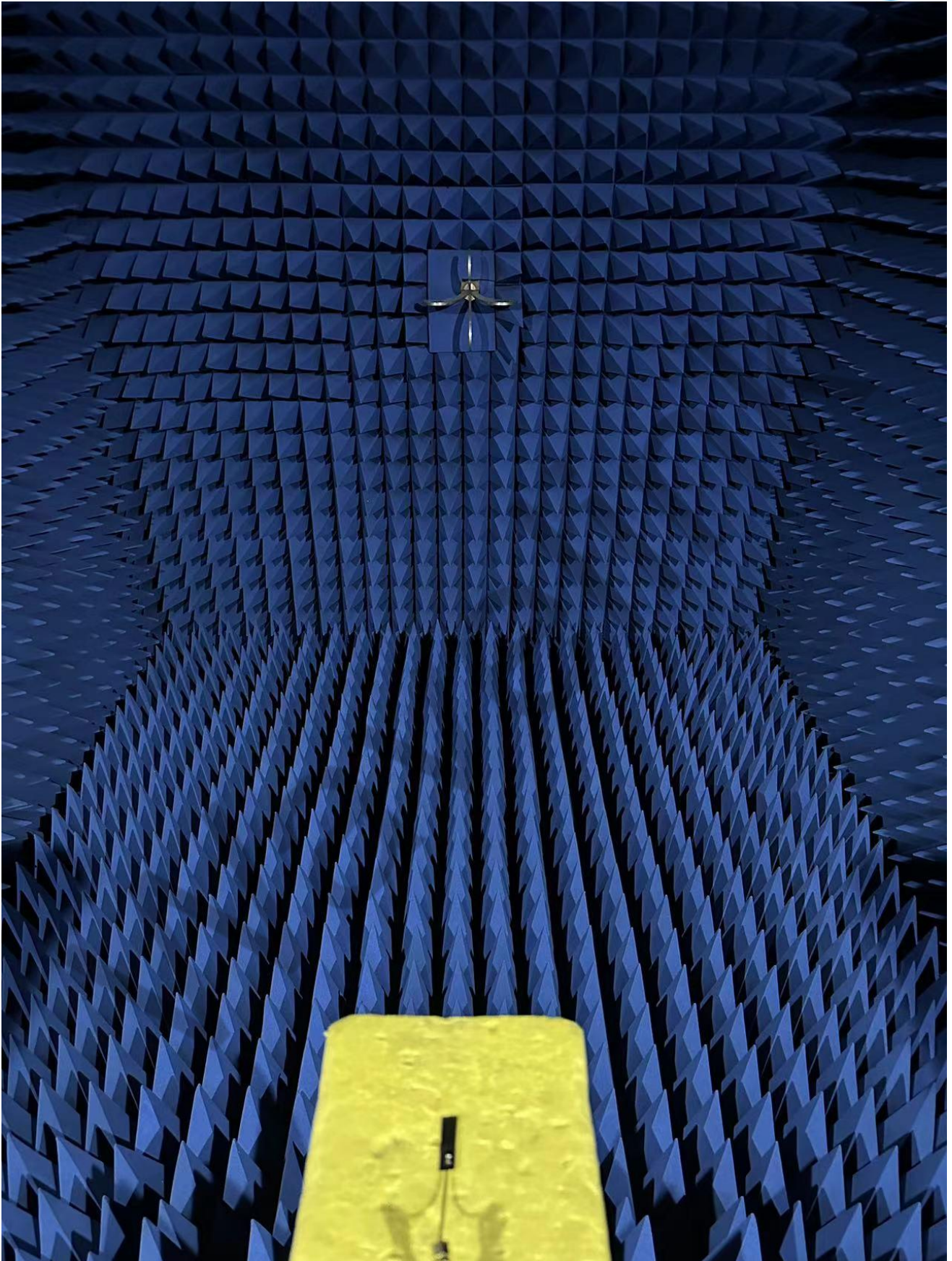
Mechanical Specifications

Antenna Size	29mm $\times$ 8mm
Casing	FPC
Connector Type	I-PEX
Working Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Radome Color	Black

4 Overall Performance

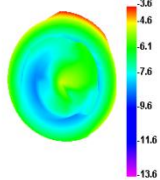
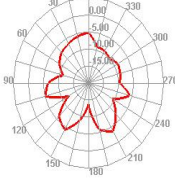
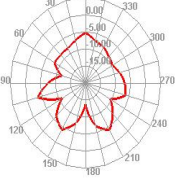
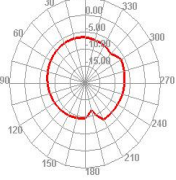
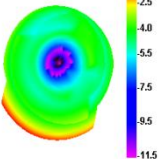
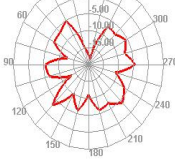
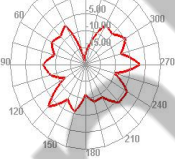
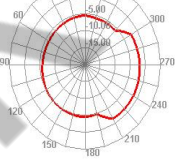
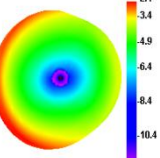
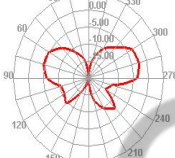
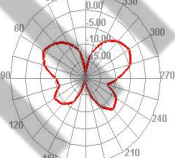
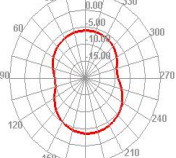
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz



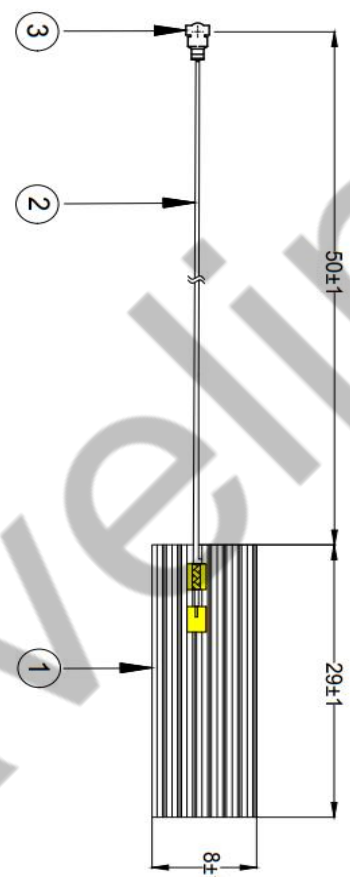


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
900	20.84	-6.81	-2.24	-4.39	-2.24	-22.16	6.81	38.89	38.48
905	26.45	-5.78	-1.29	-3.44	-1.29	-20.01	5.78	40.02	39.61
910	21.1	-6.76	-2.2	-4.35	-2.2	-21.17	6.76	38.79	38.38
915	29.4	-5.32	-0.67	-2.82	-0.67	-20.71	5.32	40.12	39.71
920	24.01	-6.2	-1.47	-3.62	-1.47	-21.98	6.2	39.52	39.09
925	28.11	-5.51	-0.66	-2.81	-0.66	-20.16	5.51	40.25	39.78
930	32.22	-4.92	0.05	-2.1	0.05	-17.55	4.92	40.86	40.33
935	26.62	-5.75	-0.62	-2.77	-0.62	-16.66	5.75	40.35	39.75
940	35.15	-4.54	0.71	-1.44	0.71	-14.17	4.54	41.74	41.06
945	24.59	-6.09	-0.77	-2.92	-0.77	-16.32	6.09	40.35	39.62
950	30.27	-5.19	0.24	-1.91	0.24	-15.79	5.19	41.57	40.8
955	22.55	-6.47	-0.92	-3.07	-0.92	-17.25	6.47	40.3	39.52
960	23.4	-6.31	-0.66	-2.81	-0.66	-17.13	6.31	40.58	39.82
1710	40.8	-3.89	0.63	-1.52	0.63	-16.24	3.89	42.38	42.28
1720	39.23	-4.06	0.59	-1.56	0.59	-16.73	4.06	42.63	42.45
1730	39.12	-4.08	0.73	-1.42	0.73	-17.65	4.08	42.47	42.25
1740	39.3	-4.06	0.76	-1.39	0.76	-18.35	4.06	42.37	42.16
1750	38.87	-4.1	0.69	-1.46	0.69	-19.93	4.1	42.4	42.19
1760	41.84	-3.78	0.93	-1.22	0.93	-21.19	3.78	42.68	42.45
1770	39.96	-3.98	0.75	-1.4	0.75	-21.93	3.98	42.45	42.22
1780	37.6	-4.25	0.53	-1.62	0.53	-24.97	4.25	42.31	42.07
1790	37.58	-4.25	0.56	-1.59	0.56	-23.61	4.25	42.28	41.97
1800	39.15	-4.07	0.84	-1.31	0.84	-22.24	4.07	42.54	42.15
1810	39.67	-4.02	1.09	-1.06	1.09	-21.54	4.02	42.55	42.14
1820	35.34	-4.52	0.75	-1.4	0.75	-21.11	4.52	42.37	42
1830	41.84	-3.78	1.52	-0.63	1.52	-19.78	3.78	42.75	42.38
1840	40.17	-3.96	1.36	-0.79	1.36	-20.68	3.96	43.03	42.69
1850	44.6	-3.51	1.71	-0.44	1.71	-21.08	3.51	43.26	42.98
1860	45.84	-3.39	1.66	-0.49	1.66	-21.21	3.39	43.28	42.98
1870	40.52	-3.92	0.95	-1.2	0.95	-22.1	3.92	43.15	42.86
1880	41.38	-3.83	0.88	-1.27	0.88	-22.4	3.83	43.21	42.94
1890	42.61	-3.71	0.93	-1.22	0.93	-22.1	3.71	43.39	43.06
1900	45.94	-3.38	1.2	-0.95	1.2	-22.51	3.38	43.49	43.26
1920	47.25	-3.26	0.61	-1.54	0.61	-15.29	3.26	43.43	43.21
1940	43.45	-3.62	0.63	-1.52	0.63	-15.54	3.62	43.52	43.31
1960	55.98	-2.52	1.6	-0.55	1.6	-15.59	2.52	44.2	43.95
1980	48.67	-3.13	0.74	-1.41	0.74	-19.36	3.13	43.74	43.52
2000	51.29	-2.9	1.29	-0.86	1.29	-20.37	2.9	44.38	44.23
2020	53.91	-2.68	2.07	-0.08	2.07	-18.01	2.68	44.51	44.43
2040	52.28	-2.82	2.19	0.04	2.19	-16.65	2.82	44.5	44.45
2060	45.46	-3.42	1.52	-0.63	1.52	-16.8	3.42	43.85	43.79
2080	49.4	-3.06	1.58	-0.57	1.58	-15.37	3.06	44.13	43.97

2100	50.08	-3	1.46	-0.69	1.46	-17.53	3	44.42	44.22
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Frequency	3D	E1	E2	H
900MHz	900.000MHz 	900.000MHz E1 	900.000MHz E2 	900.000MHz H 
1800MHz	1800.000MHz 	1800.000MHz E1 	1800.000MHz E2 	1800.000MHz H 
2100MHz	2100.000MHz 	2100.000MHz E1 	2100.000MHz E2 	2100.000MHz H 

5 Product Size

		A		B		C		D		E		F		G																															
												REV		DATE																															
												X1		2021.03.31																															
														DESCRIPTION																															
																																													
Specification: Frequency Range: 900/1800/2100MHz VSWR: 3.0 max Gain: 2.0 dBi																																													
<table border="1"> <tr> <td>XX</td> <td>± 3.0</td> <td>APPROVED</td> <td></td> <td></td> <td></td> </tr> <tr> <td>X</td> <td>± 2.0</td> <td>CHECKED</td> <td></td> <td></td> <td></td> </tr> <tr> <td>.X</td> <td>± 1.0</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>.XX</td> <td>± 0.5</td> <td>DRAWING</td> <td></td> <td></td> <td></td> </tr> <tr> <td>.XXX</td> <td>± 0.1</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>																XX	± 3.0	APPROVED				X	± 2.0	CHECKED				.X	± 1.0					.XX	± 0.5	DRAWING				.XXX	± 0.1				
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