

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 4G LTE bands and is compatible with 3G/2G bands.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	698-960 MHz 1710-2690MHz
Input Impedance	50 Ω
VSWR	≤ 4

Gain ≤ 3 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 48mm × 50mm

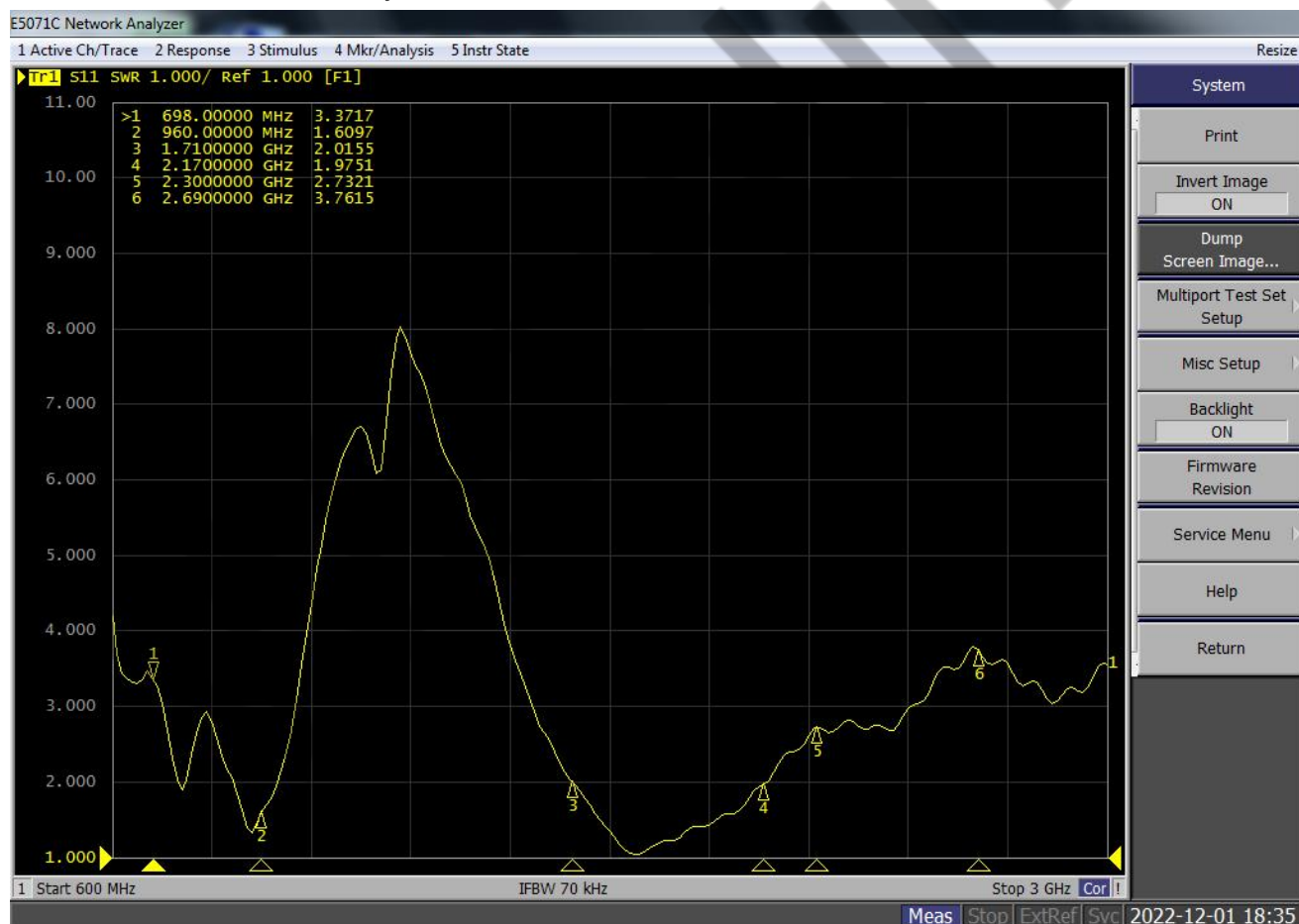
Connector Type SMA

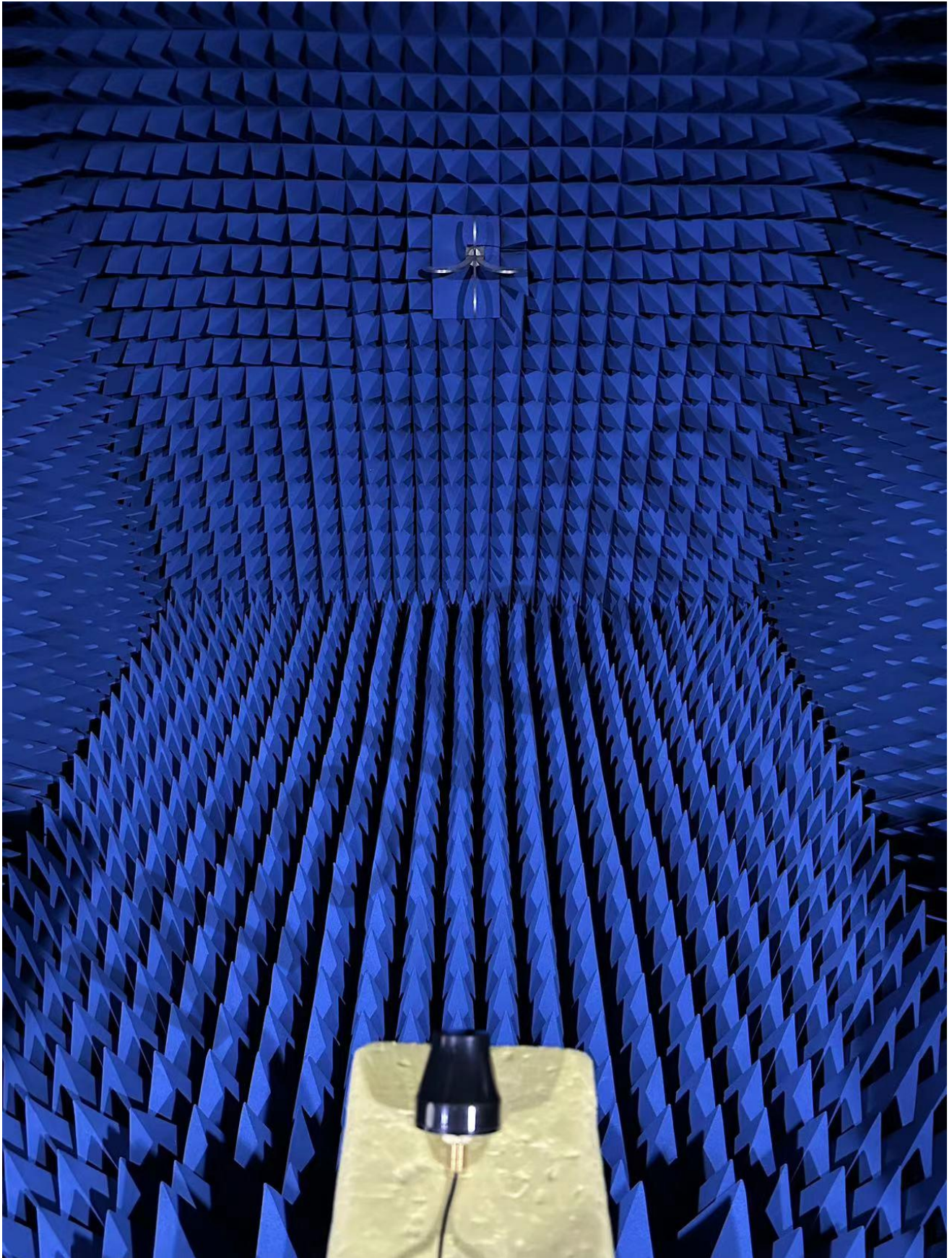
Working Temperature -40°C to $+85^{\circ}\text{C}$

Radome Color Black

4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz



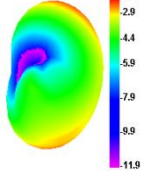
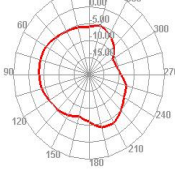
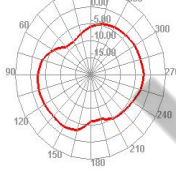
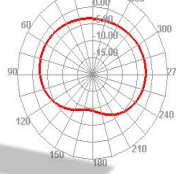
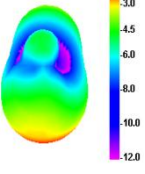
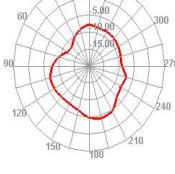
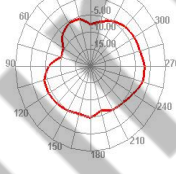
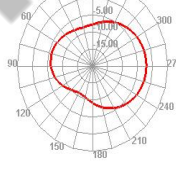
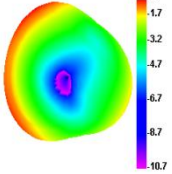
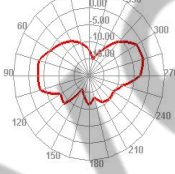
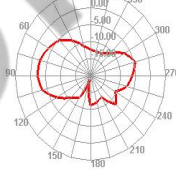
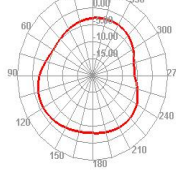
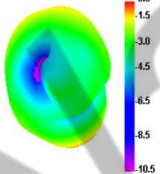
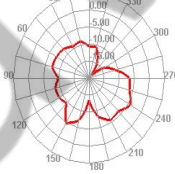
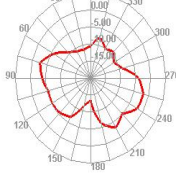
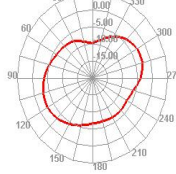


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directiv ity (dBi)	AttH (dB)	AttV (dB)
690	11.33	-9.46	-6.37	-8.52	-6.37	-13.76	3.09	38.69	38.84
700	12.38	-9.07	-5.85	-8	-5.85	-13.92	3.22	38.16	38.52
710	14.62	-8.35	-5.22	-7.37	-5.22	-13.01	3.13	37.78	38.21
720	18.85	-7.25	-4.43	-6.58	-4.43	-12.11	2.81	37.6	38.21
730	20.35	-6.92	-4.13	-6.28	-4.13	-12.51	2.79	37.16	37.69
740	22.97	-6.39	-3.32	-5.47	-3.32	-13.27	3.06	37.26	37.76
750	16.21	-7.9	-4.39	-6.54	-4.39	-17.46	3.51	37.05	37.48
760	5.58	-12.53	-8.64	-10.79	-8.64	-21.14	3.89	37	37.4
770	15.95	-7.97	-5.54	-7.69	-5.54	-12.15	2.43	36.81	37.23
780	24.39	-6.13	-3.52	-5.67	-3.52	-11.83	2.6	36.63	37.02
790	31.44	-5.03	-2.23	-4.38	-2.23	-11.51	2.8	36.91	37.3
800	33.59	-4.74	-2.1	-4.25	-2.1	-11.98	2.64	36.97	37.22
810	39.75	-4.01	-1.47	-3.62	-1.47	-11.04	2.54	37.63	37.8
820	35.75	-4.47	-1.92	-4.07	-1.92	-12.67	2.55	37.56	37.65
830	39.95	-3.98	-1.22	-3.37	-1.22	-11.98	2.77	38.01	38.02
840	36.14	-4.42	-1.56	-3.71	-1.56	-12.45	2.86	37.66	37.69
850	37.78	-4.23	-1.31	-3.46	-1.31	-13.25	2.92	37.95	37.95
860	41.9	-3.78	-0.88	-3.03	-0.88	-13.3	2.9	38.46	38.51
870	39.48	-4.04	-1.04	-3.19	-1.04	-14.2	3	38.56	38.57
880	40.73	-3.9	-1.02	-3.17	-1.02	-13.66	2.89	39.13	39.13
890	39.84	-4	-1.14	-3.29	-1.14	-13.64	2.86	39.4	39.39
900	33.95	-4.69	-1.63	-3.78	-1.63	-13.21	3.06	39.82	39.71
910	28.94	-5.38	-2.14	-4.29	-2.14	-14.86	3.24	40.04	39.93
920	19.68	-7.06	-3.4	-5.55	-3.4	-17.52	3.66	40.17	40.07
930	9.98	-10.01	-6.17	-8.32	-6.17	-22.96	3.84	40.36	40.22
940	10.57	-9.76	-5.95	-8.1	-5.95	-21.59	3.81	40.37	40.21
950	19.66	-7.06	-3.08	-5.23	-3.08	-15.8	3.98	40.51	40.23
960	25.16	-5.99	-2.05	-4.2	-2.05	-14.88	3.94	40.26	39.96
1700	30.45	-5.16	-0.51	-2.66	-0.51	-17.78	4.65	42.66	42.74
1710	28.36	-5.47	-0.71	-2.86	-0.71	-20.37	4.76	42.41	42.5
1720	25.27	-5.97	-1.29	-3.44	-1.29	-25.78	4.69	42.24	42.31
1730	22.34	-6.51	-1.95	-4.1	-1.95	-26.54	4.56	42.06	42.19
1740	27.18	-5.66	-1.23	-3.38	-1.23	-27.89	4.42	42.71	42.9
1750	29.32	-5.33	-0.64	-2.79	-0.64	-24.33	4.68	42.75	42.88
1760	31.04	-5.08	-0.14	-2.29	-0.14	-21.41	4.94	42.78	42.9
1770	32.43	-4.89	0.26	-1.89	0.26	-19.19	5.15	42.99	43.01
1780	31.03	-5.08	0.16	-1.99	0.16	-17.16	5.24	42.84	42.92
1790	31.49	-5.02	0.25	-1.9	0.25	-16.25	5.27	42.72	42.8
1800	31.64	-5	0.15	-2	0.15	-16.21	5.15	42.62	42.74
1810	33.7	-4.72	0.15	-2	0.15	-15.84	4.88	42.94	43.1

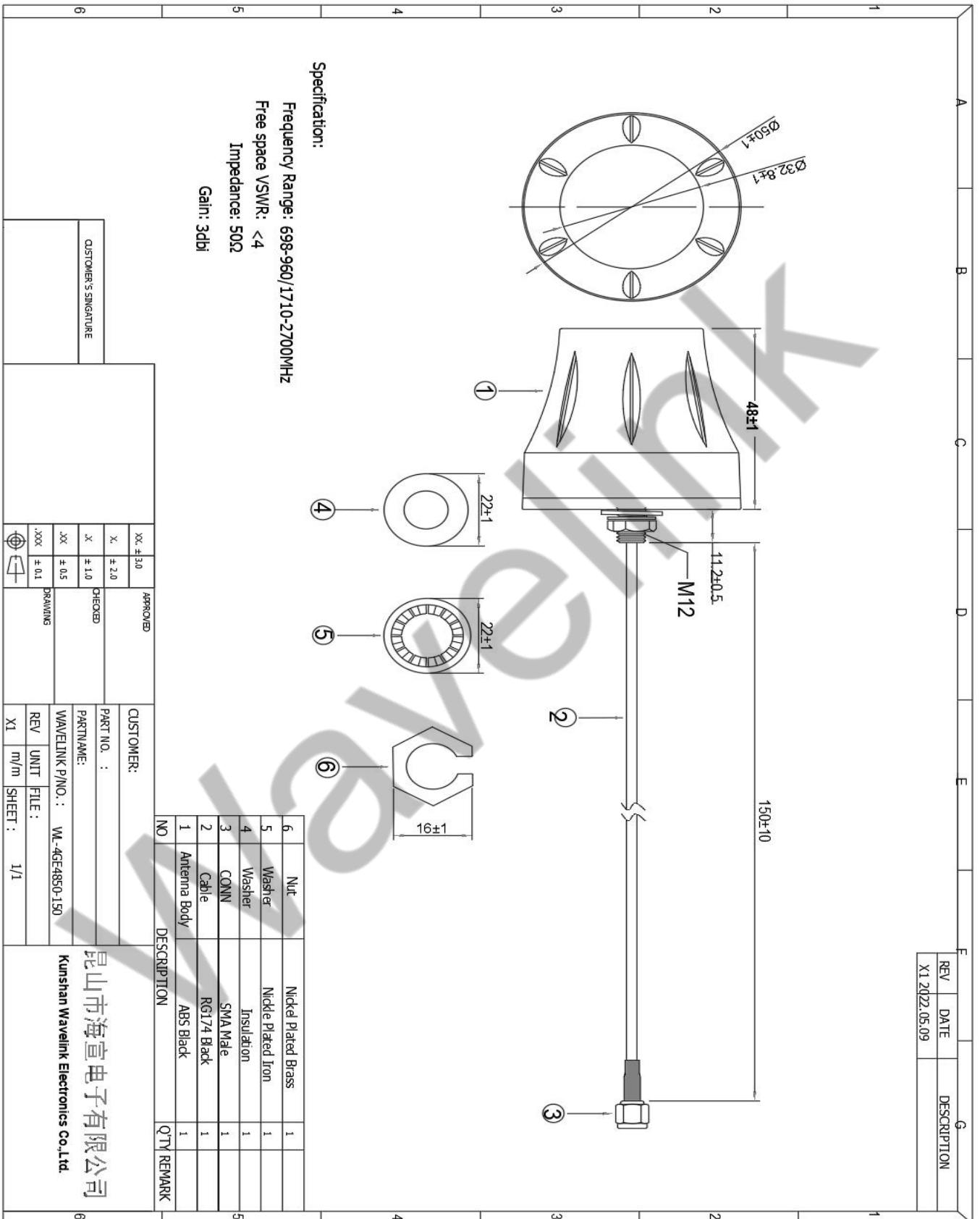
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1830	31.14	-5.07	-0.58	-2.73	-0.58	-14.08	4.49	42.95	42.99
1840	36.63	-4.36	0.06	-2.09	0.06	-14.29	4.43	43.3	43.22
1850	38.14	-4.19	0.5	-1.65	0.5	-15.85	4.69	43.34	43.21
1860	39.89	-3.99	0.64	-1.51	0.64	-18.85	4.63	43.55	43.42
1870	36.67	-4.36	0.22	-1.93	0.22	-20.16	4.58	43.39	43.24
1880	36.78	-4.34	0.17	-1.98	0.17	-19.83	4.51	43.41	43.26
1890	37.16	-4.3	0.35	-1.8	0.35	-19.37	4.65	43.39	43.23
1900	37.05	-4.31	0.51	-1.64	0.51	-18.56	4.82	43.4	43.23
1910	37.22	-4.29	0.66	-1.49	0.66	-18.44	4.95	43.53	43.29
1920	37.86	-4.22	0.87	-1.28	0.87	-20.24	5.08	43.68	43.56
1930	38	-4.2	0.99	-1.16	0.99	-20.88	5.2	43.82	43.66
1940	37.3	-4.28	1.01	-1.14	1.01	-21.15	5.29	43.64	43.54
1950	37.09	-4.31	1.1	-1.05	1.1	-19.54	5.41	43.69	43.62
1960	36.43	-4.39	1.13	-1.02	1.13	-21.31	5.52	43.61	43.5
1970	35.45	-4.5	1.15	-1	1.15	-24.04	5.65	43.6	43.5
1980	35.97	-4.44	1.33	-0.82	1.33	-24.47	5.77	43.65	43.62
1990	37.04	-4.31	1.58	-0.57	1.58	-25.95	5.9	43.8	43.76
2000	39.6	-4.02	2	-0.15	2	-26.83	6.02	44.07	44.09
2010	41.73	-3.8	2.36	0.21	2.36	-25.7	6.15	44.5	44.61
2020	42.35	-3.73	2.58	0.43	2.58	-23.76	6.31	44.48	44.56
2030	42.65	-3.7	2.68	0.53	2.68	-22.25	6.38	44.6	44.76
2040	41.43	-3.83	2.61	0.46	2.61	-21.64	6.44	44.55	44.67
2050	41.73	-3.8	2.61	0.46	2.61	-20.77	6.4	44.46	44.6
2060	40.41	-3.94	2.4	0.25	2.4	-20.38	6.34	44.56	44.67
2070	40.02	-3.98	2.26	0.11	2.26	-19.99	6.24	44.55	44.64
2080	38.41	-4.16	1.92	-0.23	1.92	-20.47	6.08	44.51	44.7
2090	37.41	-4.27	1.62	-0.53	1.62	-21.25	5.89	44.47	44.66
2100	36.37	-4.39	1.25	-0.9	1.25	-22.35	5.65	44.59	44.83
2110	37.78	-4.23	1.21	-0.94	1.21	-22.83	5.43	44.8	44.98
2120	38	-4.2	1.08	-1.07	1.08	-23.33	5.28	44.86	45.02
2130	37.8	-4.23	0.97	-1.18	0.97	-24.46	5.2	44.83	44.9
2140	36.79	-4.34	0.78	-1.37	0.78	-24.98	5.13	44.8	44.9
2150	36.66	-4.36	0.74	-1.41	0.74	-25.69	5.1	44.91	45
2160	36.32	-4.4	0.58	-1.57	0.58	-24.39	4.98	44.83	44.89
2170	35.96	-4.44	0.38	-1.77	0.38	-25.91	4.82	45.01	45.18
2180	36.84	-4.34	0.36	-1.79	0.36	-26.3	4.69	45.06	45.22
2190	37.23	-4.29	0.41	-1.74	0.41	-24.78	4.71	45.13	45.29
2200	36.42	-4.39	0.39	-1.76	0.39	-22.48	4.77	45.1	45.33
2210	37.08	-4.31	0.51	-1.64	0.51	-19.95	4.82	45.19	45.35
2220	34.62	-4.61	0.32	-1.83	0.32	-19.75	4.92	44.99	45.17
2230	34.24	-4.65	0.43	-1.72	0.43	-19.56	5.08	45.09	45.33
2240	34.22	-4.66	0.55	-1.6	0.55	-20.15	5.2	45.1	45.21
2250	33.82	-4.71	0.54	-1.61	0.54	-19.16	5.25	45.14	45.27

2260	33.07	-4.81	0.46	-1.69	0.46	-17.91	5.26	45.29	45.37
2270	33.41	-4.76	0.56	-1.59	0.56	-16.05	5.32	45.28	45.33
2280	32.8	-4.84	0.6	-1.55	0.6	-16.01	5.45	45.38	45.47
2290	32.67	-4.86	0.68	-1.47	0.68	-16.27	5.53	45.34	45.47
2300	32.38	-4.9	0.73	-1.42	0.73	-16.37	5.63	45.37	45.49
2310	31.32	-5.04	0.54	-1.61	0.54	-15.94	5.59	45.4	45.49
2320	31.22	-5.06	0.44	-1.71	0.44	-16.12	5.5	45.55	45.69
2330	32.64	-4.86	0.5	-1.65	0.5	-16.35	5.37	45.64	45.7
2340	32.77	-4.85	0.54	-1.61	0.54	-16.55	5.39	45.87	46
2350	32.04	-4.94	0.48	-1.67	0.48	-19.14	5.42	46.03	46.1
2360	32.66	-4.86	0.49	-1.66	0.49	-19.28	5.35	46.03	46.21
2370	31.09	-5.07	0.17	-1.98	0.17	-20.27	5.25	45.99	46.14
2380	33.45	-4.76	0.26	-1.89	0.26	-18.47	5.02	46.06	46.2
2390	32.05	-4.94	0.02	-2.13	0.02	-18.32	4.97	46.15	46.41
2400	32.15	-4.93	-0.15	-2.3	-0.15	-18.07	4.78	46.16	46.3
2410	31.65	-5	-0.37	-2.52	-0.37	-19.22	4.63	46.26	46.45
2420	31.68	-4.99	-0.49	-2.64	-0.49	-18.37	4.5	46.15	46.32
2430	31.86	-4.97	-0.23	-2.38	-0.23	-18.07	4.74	46.31	46.44
2440	30.79	-5.12	-0.09	-2.24	-0.09	-17.2	5.02	46.52	46.56
2450	32.3	-4.91	0.25	-1.9	0.25	-15.97	5.16	46.77	46.93
2460	33.22	-4.79	0.49	-1.66	0.49	-14.83	5.27	46.82	46.89
2470	32.55	-4.87	0.48	-1.67	0.48	-15.63	5.35	46.54	46.65
2480	32.37	-4.9	0.5	-1.65	0.5	-16.36	5.39	47.04	47.22
2490	30.78	-5.12	0.34	-1.81	0.34	-16.24	5.46	46.75	46.82
2500	30.44	-5.17	0.4	-1.75	0.4	-16.72	5.56	46.91	47.08
2510	28.96	-5.38	0.32	-1.83	0.32	-17.74	5.71	46.86	46.93
2520	28.26	-5.49	0.29	-1.86	0.29	-18.69	5.78	46.62	46.75
2530	27.46	-5.61	0.02	-2.13	0.02	-20.03	5.63	46.77	46.81
2540	26.48	-5.77	-0.11	-2.26	-0.11	-24.05	5.66	46.69	46.75
2550	28.63	-5.43	0.25	-1.9	0.25	-29.71	5.68	46.7	46.76
2560	29.31	-5.33	0.08	-2.07	0.08	-25.1	5.41	46.78	46.83
2570	30.35	-5.18	-0.22	-2.37	-0.22	-19.34	4.96	46.94	46.98
2580	27.89	-5.55	-0.07	-2.22	-0.07	-18.06	5.48	46.77	46.83
2590	25.24	-5.98	-0.11	-2.26	-0.11	-18.05	5.87	46.97	47.02
2600	25.32	-5.97	0.12	-2.03	0.12	-16.61	6.08	46.9	46.97
2610	26.76	-5.73	0.46	-1.69	0.46	-16.62	6.18	47.03	47.14
2620	28.62	-5.43	0.76	-1.39	0.76	-16.86	6.19	47.28	47.32
2630	25.78	-5.89	0.27	-1.88	0.27	-17.68	6.16	47.28	47.31
2640	26.22	-5.81	0.34	-1.81	0.34	-18.66	6.16	47.26	47.33
2650	27.42	-5.62	0.49	-1.66	0.49	-19.69	6.11	47.34	47.45
2660	26.17	-5.82	0.31	-1.84	0.31	-21.9	6.13	47.07	47.11
2670	24.74	-6.07	-0.01	-2.16	-0.01	-23.58	6.06	47.24	47.43
2680	22.78	-6.42	-0.53	-2.68	-0.53	-28.81	5.9	47.43	47.5
2690	24.68	-6.08	-0.48	-2.63	-0.48	-27.75	5.59	47.34	47.49

2700	25.18	-5.99	-0.65	-2.8	-0.65	-24.57	5.34	47.58	47.8
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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 
1710MHz	1710.000MHz 	1710.000MHz E1 	1710.000MHz E2 	1710.000MHz H 
2690MHz	2690.000MHz 	2690.000MHz E1 	2690.000MHz E2 	2690.000MHz H 

5 Product Size



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.