

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	≤ 3

Gain ≤ 4 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 470mm × 62mm

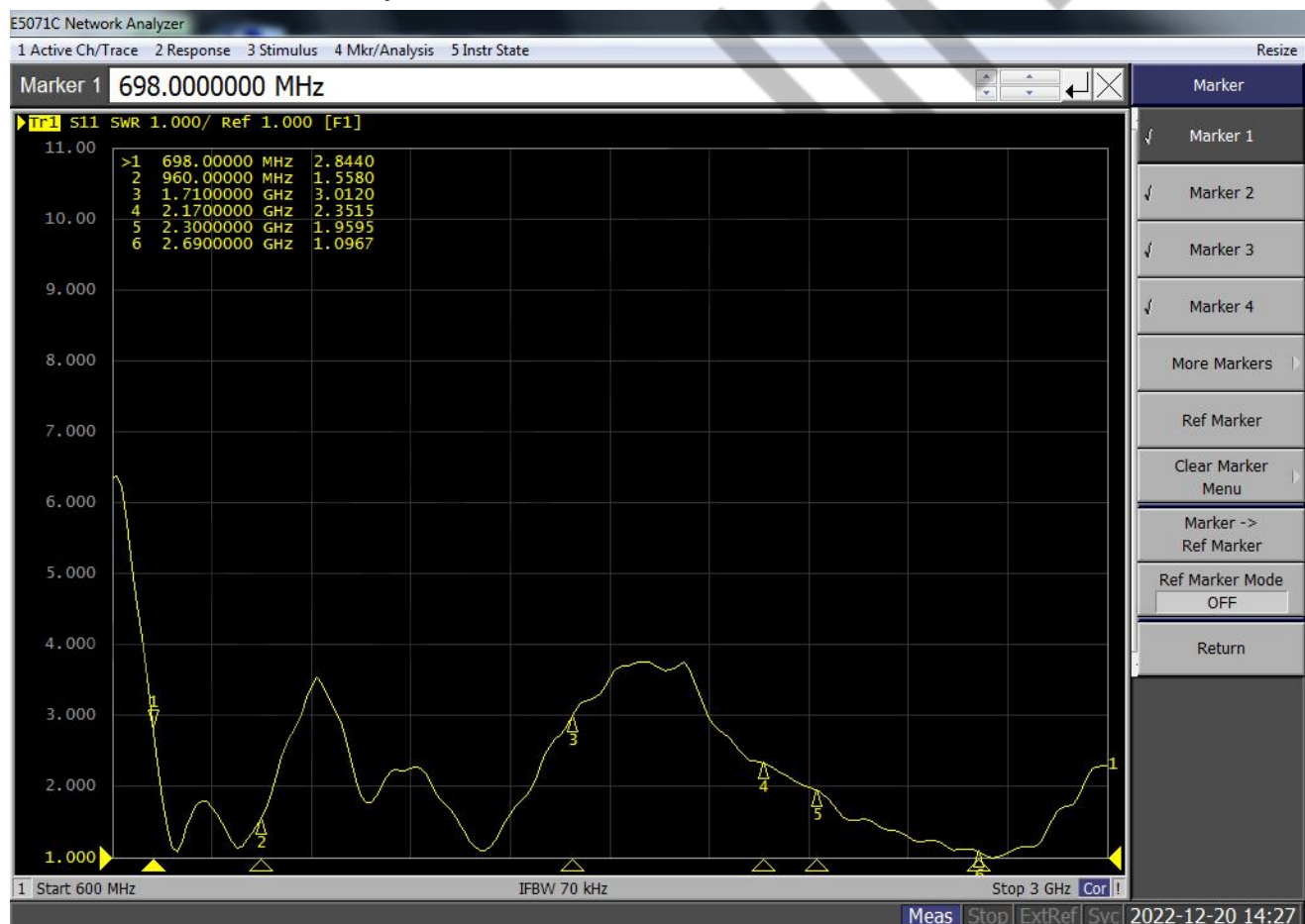
Connector Type SMA

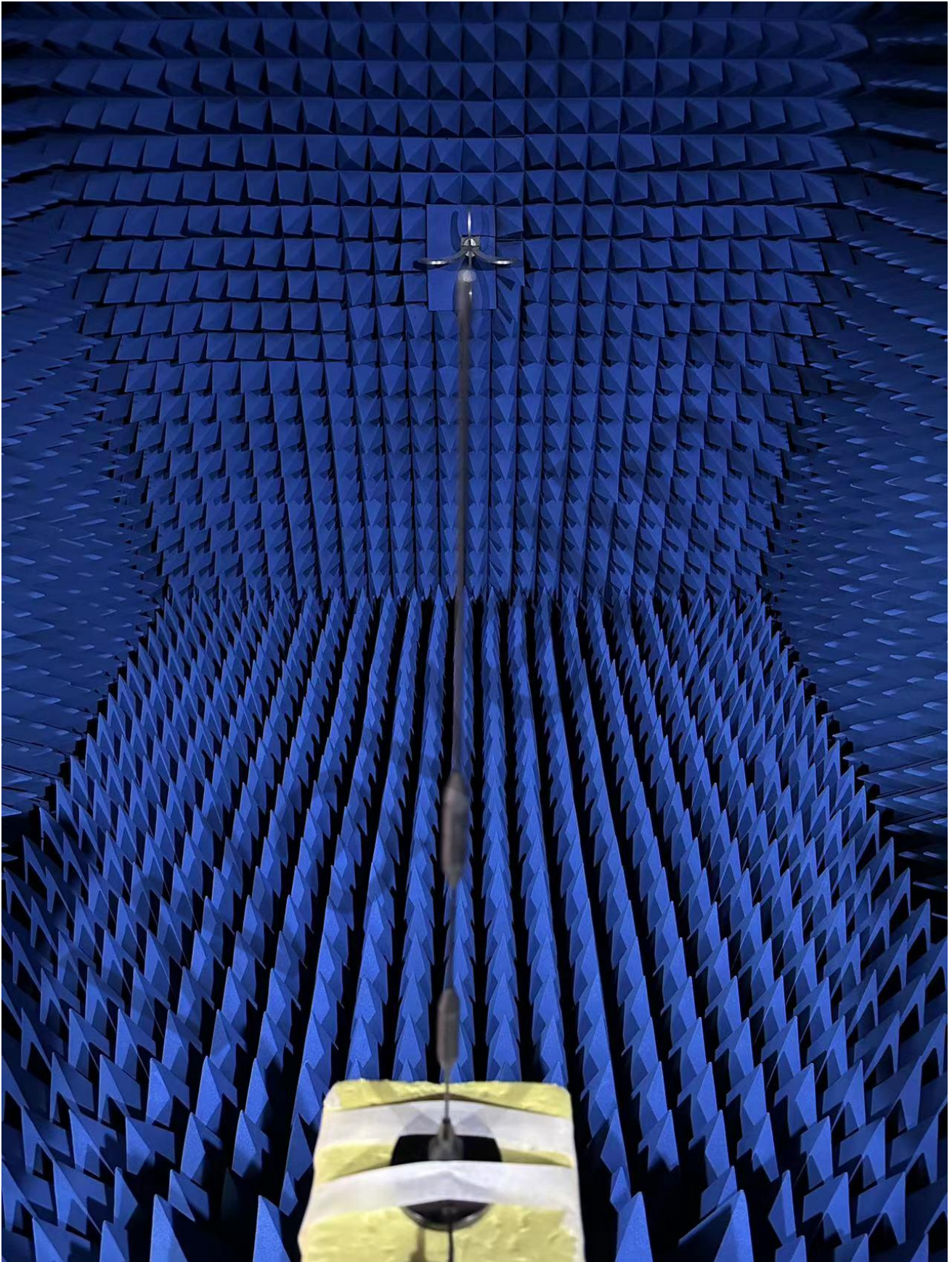
Working Temperature -40°C to $+85^{\circ}\text{C}$

Radome Color Black

4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

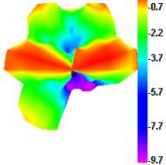
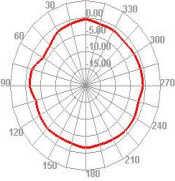
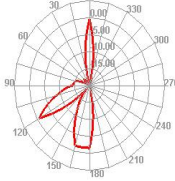
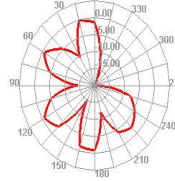
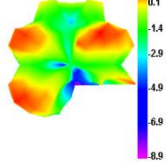
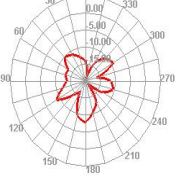
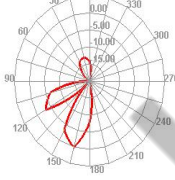
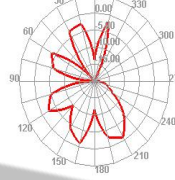
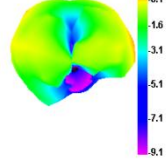
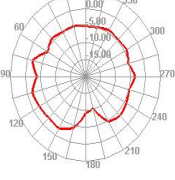
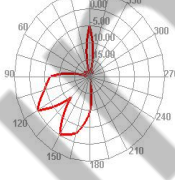
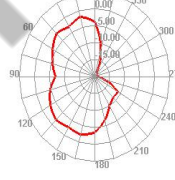
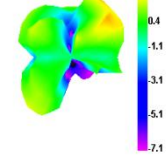
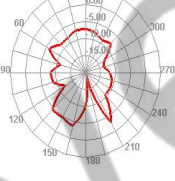
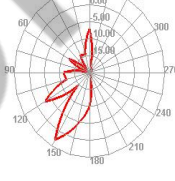
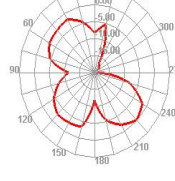




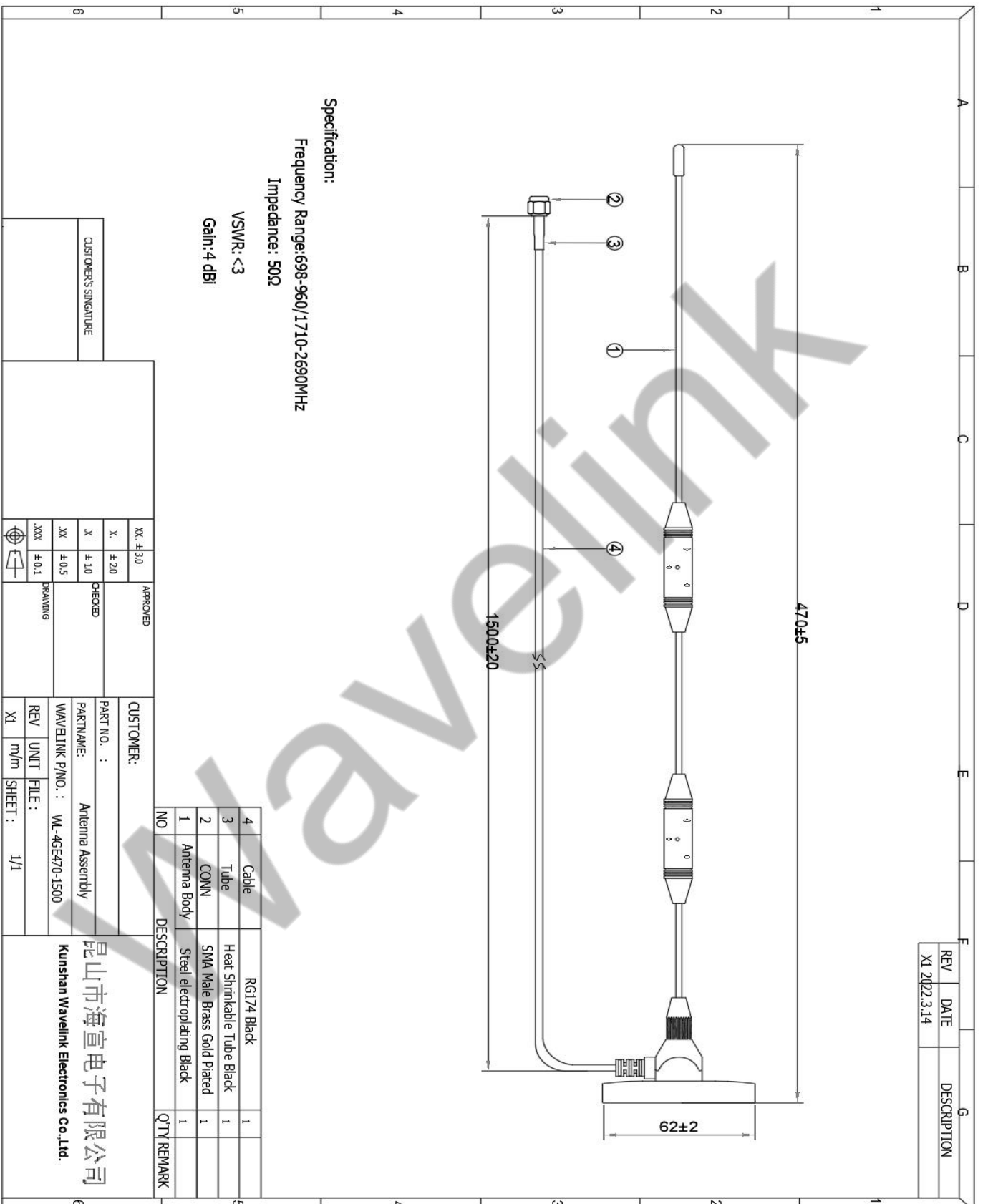
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
690	35.33	-4.52	2.38	0.23	2.38	-52.82	6.9	41.36	41.51
700	46.8	-3.3	3.39	1.24	3.39	-47.77	6.69	41.5	41.86
710	24.37	-6.13	0.12	-2.03	0.12	-45.3	6.25	37.98	38.41
720	24.63	-6.09	-0.41	-2.56	-0.41	-42.4	5.67	36.9	37.51
730	30.57	-5.15	0.14	-2.01	0.14	-38.53	5.29	37.24	37.77
740	26.74	-5.73	-0.59	-2.74	-0.59	-41.58	5.14	36.45	36.95
750	26.21	-5.82	-0.68	-2.83	-0.68	-39.42	5.14	36.08	36.51
760	29.42	-5.31	-0.19	-2.34	-0.19	-41.41	5.12	36.55	36.95
770	41.41	-3.83	1.58	-0.57	1.58	-40.58	5.41	38.08	38.5
780	36.97	-4.32	1.44	-0.71	1.44	-42.35	5.77	37.72	38.11
790	25.3	-5.97	0.06	-2.09	0.06	-43.91	6.03	36.44	36.83
800	24.04	-6.19	-0.1	-2.25	-0.1	-45.15	6.09	36.74	36.99
810	21.8	-6.61	-0.66	-2.81	-0.66	-44.35	5.95	37.18	37.35
820	28.78	-5.41	0.3	-1.85	0.3	-42.3	5.71	39.05	39.14
830	27.33	-5.63	-0.03	-2.18	-0.03	-45.34	5.6	39.64	39.65
840	20.15	-6.96	-1.26	-3.41	-1.26	-49.63	5.69	38.94	38.97
850	14.55	-8.37	-2.32	-4.47	-2.32	-50.31	6.05	38	38
860	13.97	-8.55	-2.05	-4.2	-2.05	-52.7	6.5	38.09	38.14
870	15.01	-8.24	-1.75	-3.9	-1.75	-55.06	6.49	38.67	38.68
880	18.11	-7.42	-1.01	-3.16	-1.01	-54.47	6.41	39.81	39.81
890	20.05	-6.98	-0.34	-2.49	-0.34	-53.9	6.64	40.06	40.05
900	15.6	-8.07	-1.19	-3.34	-1.19	-57.13	6.88	39.4	39.29
910	14.49	-8.39	-1.4	-3.55	-1.4	-55.93	6.99	38.82	38.71
920	17.4	-7.6	-0.58	-2.73	-0.58	-53.84	7.01	39.32	39.22
930	24.31	-6.14	0.81	-1.34	0.81	-51.41	6.95	40.47	40.33
940	32.24	-4.92	1.84	-0.31	1.84	-47.06	6.76	41.27	41.11
950	32.25	-4.91	1.79	-0.36	1.79	-48.08	6.7	41.21	40.93
960	28.98	-5.38	1.12	-1.03	1.12	-50.2	6.5	40.56	40.26
1710	30.87	-5.1	0.92	-1.23	0.92	-34.8	6.03	43.65	43.74
1720	33.37	-4.77	1.42	-0.73	1.42	-31.49	6.18	43.57	43.64
1730	30.43	-5.17	1.09	-1.06	1.09	-30.98	6.25	43.38	43.51
1740	33.01	-4.81	1.39	-0.76	1.39	-29.78	6.21	43.55	43.74
1750	31.01	-5.09	1.16	-0.99	1.16	-30.89	6.25	43.54	43.67
1760	31.66	-5	1.37	-0.78	1.37	-31.47	6.36	44.09	44.21
1770	31.77	-4.98	1.54	-0.61	1.54	-32	6.52	43.97	43.99
1780	29.03	-5.37	1.27	-0.88	1.27	-34.69	6.65	43.92	44
1790	28.95	-5.38	1.34	-0.81	1.34	-36.17	6.72	43.83	43.91
1800	30.78	-5.12	1.68	-0.47	1.68	-37.59	6.79	44.19	44.31
1810	28.99	-5.38	1.46	-0.69	1.46	-38.89	6.84	44.22	44.38
1820	26.91	-5.7	1.31	-0.84	1.31	-41.21	7.01	43.93	44.01
1830	26.18	-5.82	1.29	-0.86	1.29	-40.51	7.11	44.15	44.19

1840	26.86	-5.71	1.55	-0.6	1.55	-40.66	7.26	44.3	44.22
1850	26.47	-5.77	1.65	-0.5	1.65	-40.18	7.42	44.35	44.22
1860	21.74	-6.63	0.82	-1.33	0.82	-39.12	7.45	43.88	43.75
1870	22.25	-6.53	1.01	-1.14	1.01	-38.79	7.54	43.84	43.69
1880	20.59	-6.86	0.67	-1.48	0.67	-37.93	7.53	43.64	43.49
1890	20.77	-6.82	0.71	-1.44	0.71	-37.54	7.54	43.48	43.32
1900	18.8	-7.26	0.31	-1.84	0.31	-35.58	7.57	43.42	43.25
1910	17.77	-7.5	0.09	-2.06	0.09	-34.78	7.6	43.17	42.93
1920	16	-7.96	-0.32	-2.47	-0.32	-33.85	7.64	42.81	42.69
1930	14.64	-8.34	-0.71	-2.86	-0.71	-32.57	7.63	42.86	42.7
1940	16.17	-7.91	-0.28	-2.43	-0.28	-30.72	7.64	42.74	42.64
1950	16.9	-7.72	-0.19	-2.34	-0.19	-35.15	7.53	43.12	43.05
1960	18.62	-7.3	0.17	-1.98	0.17	-29.09	7.47	43.34	43.23
1970	17.45	-7.58	-0.24	-2.39	-0.24	-28.81	7.35	43.22	43.12
1980	17.32	-7.61	-0.35	-2.5	-0.35	-30.89	7.26	42.93	42.9
1990	18.45	-7.34	-0.17	-2.32	-0.17	-31.83	7.17	43.27	43.23
2000	19.04	-7.2	-0.15	-2.3	-0.15	-31.39	7.05	43.5	43.52
2010	19.68	-7.06	-0.16	-2.31	-0.16	-31.05	6.9	43.88	43.99
2020	18.66	-7.29	-0.18	-2.33	-0.18	-33.09	7.11	43.83	43.91
2030	18.9	-7.24	0.03	-2.12	0.03	-34.78	7.26	43.95	44.11
2040	19.32	-7.14	0.17	-1.98	0.17	-36.68	7.31	44.03	44.15
2050	17.13	-7.66	-0.46	-2.61	-0.46	-37.95	7.2	43.5	43.64
2060	17.41	-7.59	-0.6	-2.75	-0.6	-40.13	6.99	43.51	43.62
2070	16.79	-7.75	-1.06	-3.21	-1.06	-39.92	6.68	43.5	43.59
2080	17.9	-7.47	-1.14	-3.29	-1.14	-40.12	6.34	43.84	44.03
2090	19.3	-7.14	-1.03	-3.18	-1.03	-40.81	6.11	44.14	44.33
2100	17.81	-7.49	-1.61	-3.76	-1.61	-40.87	5.89	44.22	44.46
2110	24.44	-6.12	0.01	-2.14	0.01	-40.27	6.13	45.08	45.26
2120	20.6	-6.86	-0.5	-2.65	-0.5	-39.11	6.37	44.96	45.12
2130	21.2	-6.74	-0.34	-2.49	-0.34	-39.23	6.4	44.85	44.92
2140	23.17	-6.35	-0.04	-2.19	-0.04	-37.2	6.31	45	45.1
2150	22.78	-6.42	-0.09	-2.24	-0.09	-37.26	6.34	45.07	45.16
2160	23.37	-6.31	-0.02	-2.17	-0.02	-36.56	6.29	44.86	44.92
2170	24.62	-6.09	0.4	-1.75	0.4	-35	6.48	45.47	45.64
2180	24.08	-6.18	0.66	-1.49	0.66	-33.68	6.85	45.07	45.23
2190	23.08	-6.37	0.81	-1.34	0.81	-32.15	7.18	44.9	45.06
2200	24.41	-6.12	1.29	-0.86	1.29	-31.97	7.41	45.15	45.38
2210	31.48	-5.02	2.41	0.26	2.41	-28.7	7.43	45.97	46.13
2220	33.48	-4.75	2.68	0.53	2.68	-27.32	7.44	45.83	46.01
2230	32.44	-4.89	2.45	0.3	2.45	-26.49	7.34	45.66	45.9
2240	31.56	-5.01	2.22	0.07	2.22	-26.19	7.23	45.54	45.65
2250	36.92	-4.33	2.89	0.74	2.89	-25.69	7.22	45.78	45.91
2260	34.88	-4.57	2.73	0.58	2.73	-26.7	7.31	45.81	45.89
2270	33.14	-4.8	2.62	0.47	2.62	-28.13	7.42	45.7	45.75

2280	35.15	-4.54	2.99	0.84	2.99	-28.61	7.53	45.79	45.88
2290	31.31	-5.04	2.52	0.37	2.52	-29.61	7.56	45.55	45.68
2300	34.31	-4.65	2.87	0.72	2.87	-29.89	7.52	45.52	45.64
2310	35.72	-4.47	3.01	0.86	3.01	-30.05	7.48	45.65	45.74
2320	41.45	-3.82	3.62	1.47	3.62	-29.41	7.45	46.35	46.49
2330	40.39	-3.94	3.55	1.4	3.55	-30.2	7.49	46.21	46.27
2340	35.37	-4.51	3.08	0.93	3.08	-30.85	7.59	46.04	46.17
2350	35.91	-4.45	3.38	1.23	3.38	-31.46	7.83	46.29	46.36
2360	34.83	-4.58	3.45	1.3	3.45	-31.58	8.03	46.11	46.29
2370	34.05	-4.68	3.57	1.42	3.57	-30.76	8.25	46.25	46.4
2380	33.83	-4.71	3.56	1.41	3.56	-30.67	8.27	46.06	46.2
2390	31.65	-5	3.2	1.05	3.2	-30.4	8.19	46.03	46.29
2400	35.02	-4.56	3.46	1.31	3.46	-28.95	8.01	46.33	46.47
2410	36.07	-4.43	3.35	1.2	3.35	-28.28	7.78	46.51	46.7
2420	33.83	-4.71	2.94	0.79	2.94	-29.17	7.65	46.33	46.5
2430	36.05	-4.43	3.12	0.97	3.12	-27.96	7.55	46.7	46.83
2440	34.74	-4.59	3	0.85	3	-28.97	7.59	46.75	46.79
2450	32.81	-4.84	2.77	0.62	2.77	-29.65	7.61	46.2	46.36
2460	34.03	-4.68	2.93	0.78	2.93	-29.77	7.61	46.66	46.73
2470	38.1	-4.19	3.31	1.16	3.31	-28.8	7.5	46.55	46.66
2480	38.55	-4.14	3.18	1.03	3.18	-28.25	7.32	46.99	47.17
2490	39.33	-4.05	3.07	0.92	3.07	-27.63	7.12	46.73	46.8
2500	37.69	-4.24	2.7	0.55	2.7	-26.73	6.94	46.67	46.84
2510	39.35	-4.05	2.77	0.62	2.77	-27.14	6.82	47.1	47.17
2520	38.06	-4.2	2.53	0.38	2.53	-27.21	6.73	46.45	46.58
2530	37.52	-4.26	2.43	0.28	2.43	-28.49	6.68	46.55	46.59
2540	42.05	-3.76	2.84	0.69	2.84	-28.39	6.6	46.89	46.95
2550	37.83	-4.22	2.39	0.24	2.39	-30.59	6.61	46.45	46.51
2560	41.66	-3.8	2.78	0.63	2.78	-29.73	6.59	46.89	46.94
2570	37.92	-4.21	2.24	0.09	2.24	-29.36	6.45	46.66	46.7
2580	44.16	-3.55	2.8	0.65	2.8	-28.57	6.35	47.17	47.23
2590	36.71	-4.35	1.89	-0.26	1.89	-29.2	6.24	46.61	46.66
2600	38.71	-4.12	2.04	-0.11	2.04	-29.09	6.16	46.66	46.73
2610	40.74	-3.9	2.23	0.08	2.23	-29.09	6.13	46.94	47.05
2620	38.38	-4.16	1.98	-0.17	1.98	-30.04	6.14	46.68	46.72
2630	42.31	-3.74	2.47	0.32	2.47	-29.61	6.21	47.29	47.32
2640	37.95	-4.21	2.06	-0.09	2.06	-31.85	6.27	46.75	46.82
2650	40.97	-3.88	2.42	0.27	2.42	-31.63	6.29	47.2	47.31
2660	41.29	-3.84	2.4	0.25	2.4	-33.88	6.25	47.38	47.42
2670	39.67	-4.02	2.13	-0.02	2.13	-34.8	6.15	47.05	47.24
2680	45.07	-3.46	2.57	0.42	2.57	-34.44	6.03	47.93	48
2690	41	-3.87	2.26	0.11	2.26	-35.28	6.13	47.15	47.3

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 
2300MHz	2300.000MHz 	2300.000MHz E1 	2300.000MHz E2 	2300.000MHz 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.