

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

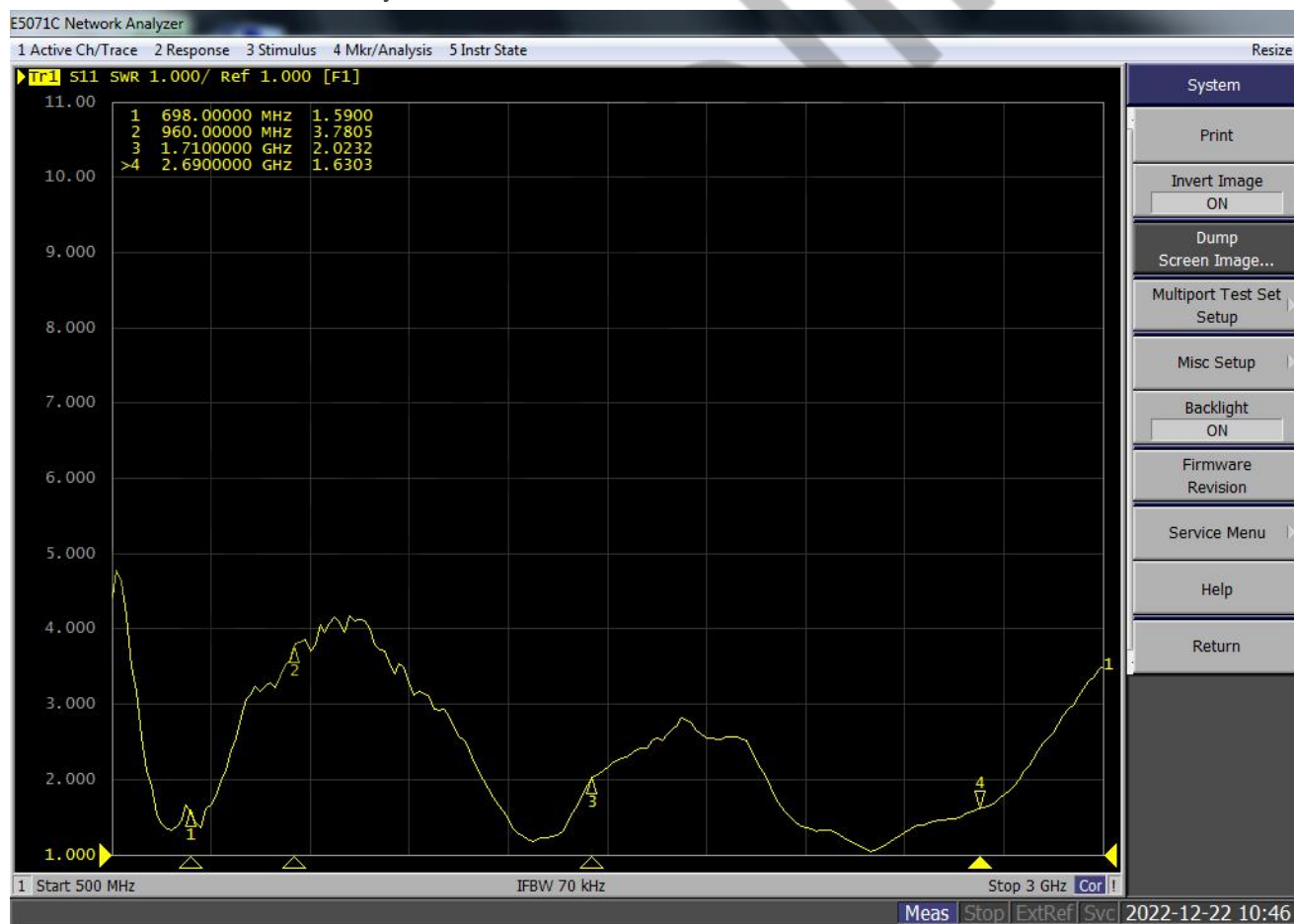
VSWR	≤ 4
Gain	≤ 6 dBi
Polarization Type	Linear

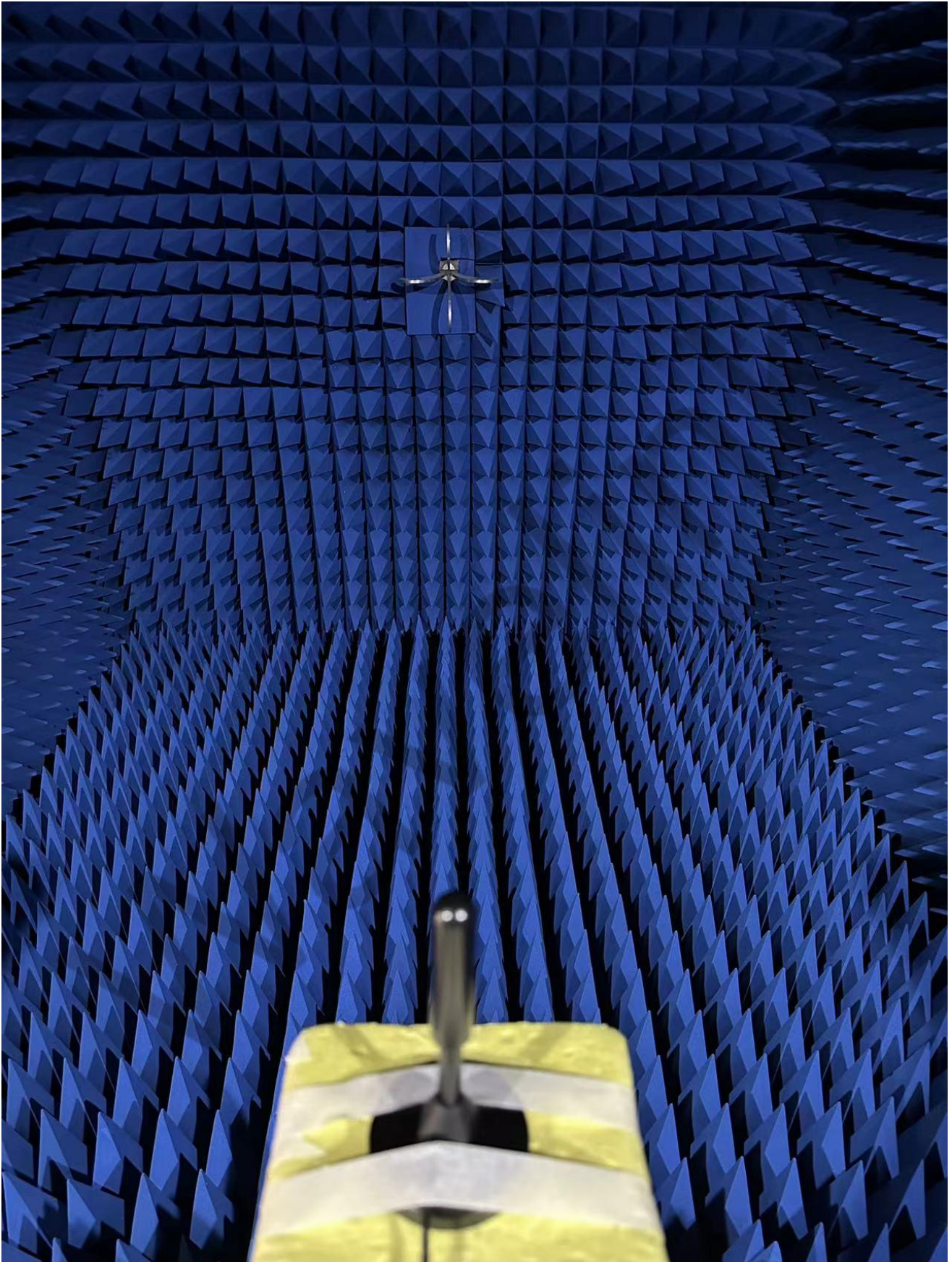
Mechanical Specifications

Antenna Size	130mm × 62mm
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

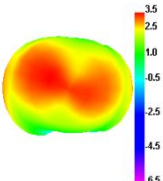
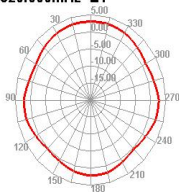
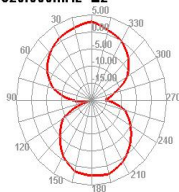
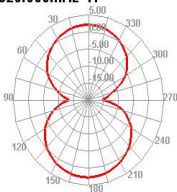
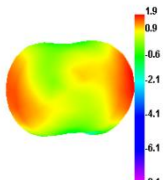
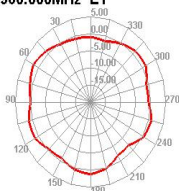
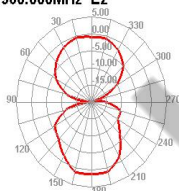
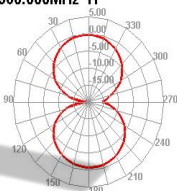
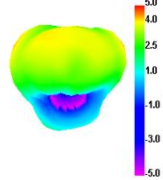
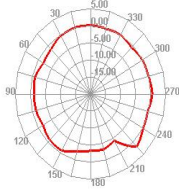
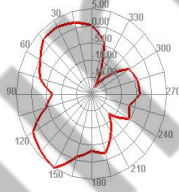
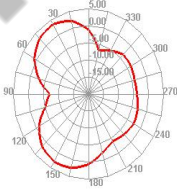
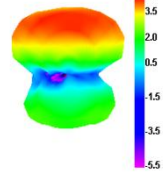
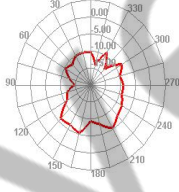
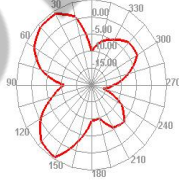
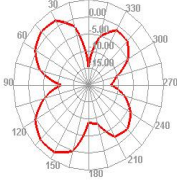




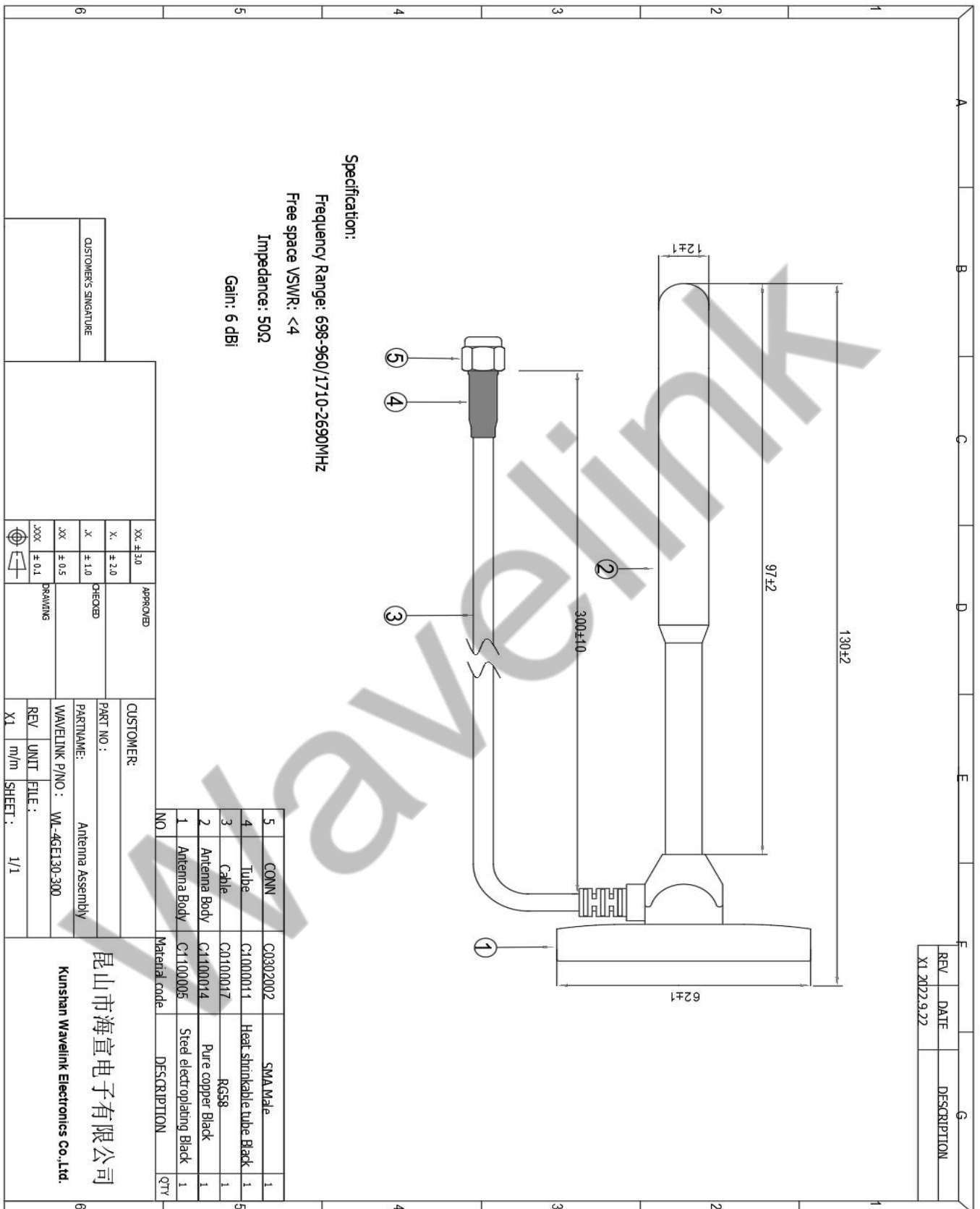
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
690	78.62	-1.16	2.59	0.44	2.59	-18.98	3.75	39.81	39.81
700	76.21	-1.28	2.63	0.48	2.63	-18.38	3.91	40.06	40.05
710	85.38	-0.69	2.66	0.51	2.66	-17.75	3.35	37.98	38.41
720	68.6	-1.64	1.54	-0.61	1.54	-18.27	3.18	36.9	37.51
730	77.7	-1.1	1.97	-0.18	1.97	-16.81	3.06	37.24	37.77
740	67.72	-1.69	1.49	-0.66	1.49	-17.13	3.19	36.45	36.95
750	64.02	-1.94	1.19	-0.96	1.19	-17.9	3.13	36.08	36.51
760	71.67	-1.45	1.54	-0.61	1.54	-16.87	2.98	36.55	36.95
770	99.56	-0.02	2.98	0.83	2.98	-17.3	3	38.08	38.5
780	90.42	-0.44	2.54	0.39	2.54	-19.05	2.98	37.72	38.11
790	67.11	-1.73	1.33	-0.82	1.33	-22.28	3.06	36.44	36.83
800	66.88	-1.75	1.52	-0.63	1.52	-25.94	3.27	36.74	36.99
810	69.05	-1.61	1.91	-0.24	1.91	-20.18	3.52	37.18	37.35
820	93.06	-0.31	3.46	1.31	3.46	-19.36	3.77	39.05	39.14
830	91.58	0.07	4	1.85	4	-16.42	3.93	39.64	39.65
840	84	-0.76	3.18	1.03	3.18	-20.44	3.94	38.94	38.97
850	63.53	-1.97	1.87	-0.28	1.87	-24.61	3.84	38	38
860	68.65	-1.63	1.96	-0.19	1.96	-23.97	3.6	38.09	38.14
870	70.41	-1.52	2	-0.15	2	-21.63	3.53	38.67	38.68
880	76.62	-1.16	2.59	0.44	2.59	-18.98	3.75	39.81	39.81
890	74.51	-1.28	2.63	0.48	2.63	-18.38	3.91	40.06	40.05
900	51.4	-2.89	1.27	-0.88	1.27	-19.01	4.16	39.4	39.29
910	44.2	-3.55	0.52	-1.63	0.52	-19.28	4.07	38.82	38.71
920	46.19	-3.35	0.4	-1.75	0.4	-20.35	3.76	39.32	39.22
930	59.19	-2.28	1.37	-0.78	1.37	-21.78	3.64	40.47	40.33
940	75.29	-1.23	2.29	0.14	2.29	-23.67	3.52	41.27	41.11
950	67.7	-1.69	1.98	-0.17	1.98	-23.35	3.68	41.21	40.93
960	65.16	-1.86	1.86	-0.29	1.86	-21.49	3.72	40.56	40.26
1700	85.18	-0.7	4.56	2.41	4.56	-17.45	5.25	42.84	42.92
1710	96.09	-0.17	4.98	2.83	4.98	-17.81	5.15	43.65	43.74
1720	97.99	-0.09	5	2.85	5	-19.25	5.09	43.57	43.64
1730	91.41	-0.39	4.61	2.46	4.61	-23.39	5	43.38	43.51
1740	95.87	-0.18	4.72	2.57	4.72	-26.96	4.91	43.55	43.74
1750	92.73	-0.33	4.58	2.43	4.58	-24.63	4.9	43.54	43.67
1760	99.02	-0.04	4.86	2.71	4.86	-22.56	4.9	44.09	44.21
1770	98.34	-0.07	4.93	2.78	4.93	-22.67	5	43.97	43.99
1780	93.33	-0.3	4.79	2.64	4.79	-24.34	5.09	43.92	44
1790	92.06	-0.36	4.68	2.53	4.68	-23.6	5.04	43.83	43.91
1800	99.95	0.04	4.96	2.81	4.96	-22.82	4.92	44.19	44.31
1810	96.06	-0.17	4.62	2.47	4.62	-20.12	4.8	44.22	44.38
1820	91.23	-0.4	4.47	2.32	4.47	-20.12	4.87	43.93	44.01

1830	90.28	-0.44	4.57	2.42	4.57	-20.95	5.02	44.15	44.19
1840	93.49	-0.29	4.89	2.74	4.89	-22.56	5.19	44.3	44.22
1850	92.81	-0.32	5.04	2.89	5.04	-24.7	5.36	44.35	44.22
1860	76.97	-1.14	4.35	2.2	4.35	-25.61	5.49	43.88	43.75
1870	78.15	-1.07	4.44	2.29	4.44	-22.74	5.51	43.84	43.69
1880	72.84	-1.38	4.13	1.98	4.13	-20.68	5.51	43.64	43.49
1890	72.96	-1.37	4.17	2.02	4.17	-21.24	5.54	43.48	43.32
1900	67.25	-1.72	3.9	1.75	3.9	-22.67	5.62	43.42	43.25
1910	63.44	-1.98	3.69	1.54	3.69	-23.8	5.67	43.17	42.93
1920	57.27	-2.42	3.28	1.13	3.28	-24.45	5.7	42.81	42.69
1930	53.49	-2.72	2.96	0.81	2.96	-23.15	5.68	42.86	42.7
1940	56.5	-2.48	3.21	1.06	3.21	-20.74	5.69	42.74	42.64
1950	58.84	-2.3	3.29	1.14	3.29	-18.82	5.59	43.12	43.05
1960	61.89	-2.08	3.34	1.19	3.34	-18.62	5.43	43.34	43.23
1970	58.04	-2.36	2.91	0.76	2.91	-21.73	5.27	43.22	43.12
1980	55.13	-2.59	2.6	0.45	2.6	-24.6	5.19	42.93	42.9
1990	59.36	-2.26	2.83	0.68	2.83	-25.13	5.1	43.27	43.23
2000	61.88	-2.08	2.9	0.75	2.9	-24.42	4.98	43.5	43.52
2010	63.8	-1.95	2.95	0.8	2.95	-23.3	4.9	43.88	43.99
2020	62.3	-2.06	2.78	0.63	2.78	-23.7	4.83	43.83	43.91
2030	62.97	-2.01	2.95	0.8	2.95	-26.31	4.96	43.95	44.11
2040	63.96	-1.94	3.04	0.89	3.04	-27.52	4.98	44.03	44.15
2050	57.06	-2.44	2.53	0.38	2.53	-26.74	4.97	43.5	43.64
2060	57.58	-2.4	2.71	0.56	2.71	-25.76	5.11	43.51	43.62
2070	56.14	-2.51	2.63	0.48	2.63	-26.07	5.14	43.5	43.59
2080	60.68	-2.17	2.96	0.81	2.96	-26.18	5.13	43.84	44.03
2090	65.54	-1.83	3.33	1.18	3.33	-23.58	5.17	44.14	44.33
2100	61.41	-2.12	3.01	0.86	3.01	-22.37	5.13	44.22	44.46
2110	83.39	-0.79	4.4	2.25	4.4	-19	5.19	45.08	45.26
2120	72.96	-1.37	3.82	1.67	3.82	-20.79	5.19	44.96	45.12
2130	73.83	-1.32	3.9	1.75	3.9	-23.68	5.21	44.85	44.92
2140	78.33	-1.06	4.14	1.99	4.14	-24.36	5.2	45	45.1
2150	77.47	-1.11	4.09	1.94	4.09	-22.24	5.2	45.07	45.16
2160	77.27	-1.12	4.09	1.94	4.09	-22.98	5.21	44.86	44.92
2170	82.55	-0.83	4.38	2.23	4.38	-23.34	5.22	45.47	45.64
2180	78.18	-1.07	4.16	2.01	4.16	-27.72	5.23	45.07	45.23
2190	73.63	-1.33	3.92	1.77	3.92	-30.25	5.25	44.9	45.06
2200	75.75	-1.21	4.05	1.9	4.05	-26.19	5.26	45.15	45.38
2210	92.65	-0.33	4.93	2.78	4.93	-22.58	5.26	45.97	46.13
2220	93.02	-0.31	4.89	2.74	4.89	-25.5	5.2	45.83	46.01
2230	86.95	-0.61	4.47	2.32	4.47	-29.7	5.07	45.66	45.9
2240	84.11	-0.75	4.23	2.08	4.23	-31.59	4.98	45.54	45.65
2250	91.93	-0.37	4.61	2.46	4.61	-28.53	4.97	45.78	45.91
2260	86.63	-0.62	4.47	2.32	4.47	-24.02	5.09	45.81	45.89

2270	83.48	-0.78	4.39	2.24	4.39	-21.94	5.17	45.7	45.75
2280	85.44	-0.68	4.64	2.49	4.64	-26.92	5.33	45.79	45.88
2290	77.56	-1.1	4.28	2.13	4.28	-28.49	5.38	45.55	45.68
2300	82.12	-0.86	4.46	2.31	4.46	-23.98	5.31	45.52	45.64
2310	84.5	-0.73	4.47	2.32	4.47	-22.2	5.2	45.65	45.74
2320	97.91	-0.09	5.01	2.86	5.01	-20.49	5.1	46.35	46.49
2330	95.73	-0.19	4.99	2.84	4.99	-21.64	5.18	46.21	46.27
2340	86.91	-0.61	4.7	2.55	4.7	-21.85	5.31	46.04	46.17
2350	87.86	-0.56	4.98	2.83	4.98	-21.4	5.54	46.29	46.36
2360	85.59	-0.68	4.89	2.74	4.89	-20.66	5.56	46.11	46.29
2370	85.4	-0.69	5.01	2.86	5.01	-20.09	5.69	46.25	46.4
2380	83.26	-0.8	4.83	2.68	4.83	-20.14	5.62	46.06	46.2
2390	81.76	-0.87	4.78	2.63	4.78	-19.43	5.66	46.03	46.29
2400	86.84	-0.61	4.98	2.83	4.98	-18.46	5.59	46.33	46.47
2410	87.4	-0.58	5.05	2.9	5.05	-17.14	5.64	46.51	46.7
2420	83.93	-0.76	4.92	2.77	4.92	-16.65	5.68	46.33	46.5
2430	88.25	-0.54	5.24	3.09	5.24	-17.23	5.78	46.7	46.83
2440	86.04	-0.65	5.21	3.06	5.21	-19.94	5.86	46.75	46.79
2450	76.24	-1.18	4.66	2.51	4.66	-24.4	5.84	46.2	46.36
2460	82.48	-0.84	5.08	2.93	5.08	-25.31	5.92	46.66	46.73
2470	85.83	-0.66	5.26	3.11	5.26	-21.04	5.93	46.55	46.66
2480	85.85	-0.66	5.41	3.26	5.41	-19.35	6.08	46.99	47.17
2490	86.97	-0.61	5.47	3.32	5.47	-19	6.08	46.73	46.8
2500	82	-0.86	5.29	3.14	5.29	-20.15	6.15	46.67	46.84
2510	86.22	-0.64	5.43	3.28	5.43	-21.4	6.07	47.1	47.17
2520	77.09	-1.13	4.91	2.76	4.91	-23.07	6.04	46.45	46.58
2530	76.31	-1.17	4.81	2.66	4.81	-25.44	5.98	46.55	46.59
2540	83.25	-0.8	5.12	2.97	5.12	-22.2	5.91	46.89	46.95
2550	75.01	-1.25	4.67	2.52	4.67	-21.51	5.91	46.45	46.51
2560	81.5	-0.89	5.02	2.87	5.02	-21.03	5.91	46.89	46.94
2570	73.61	-1.33	4.68	2.53	4.68	-24.84	6.01	46.66	46.7
2580	85.79	-0.67	5.34	3.19	5.34	-28.42	6.01	47.17	47.23
2590	71.07	-1.48	4.58	2.43	4.58	-26	6.07	46.61	46.66
2600	73.67	-1.33	4.67	2.52	4.67	-24.06	6	46.66	46.73
2610	79.58	-0.99	5.05	2.9	5.05	-24.99	6.04	46.94	47.05
2620	72.07	-1.42	4.58	2.43	4.58	-28.01	6	46.68	46.72
2630	82.95	-0.81	5.24	3.09	5.24	-29.58	6.05	47.29	47.32
2640	71.03	-1.49	4.55	2.4	4.55	-26.14	6.04	46.75	46.82
2650	80.41	-0.95	5.18	3.03	5.18	-21.89	6.12	47.2	47.31
2660	84.3	-0.74	5.45	3.3	5.45	-19.06	6.19	47.38	47.42
2670	74.25	-1.29	4.9	2.75	4.9	-18.14	6.19	47.05	47.24
2680	91.76	-0.37	5.84	3.69	5.84	-17.69	6.21	47.93	48
2690	79.34	-1.01	5.23	3.08	5.23	-19.17	6.24	47.15	47.3
2700	99.52	-0.02	6.3	4.15	6.3	-19.81	6.32	48.52	48.74

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.