

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:

2nd Floor, Building D, No. 88 Tongqiu Road, ZhangPu Town, Kunshan City, Jiangsu Province, China

Tel: +86-512-57449488

Email: sales@kswavelink.com

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	824-960 MHz 1710-2170MHz
Input Impedance	50 Ω

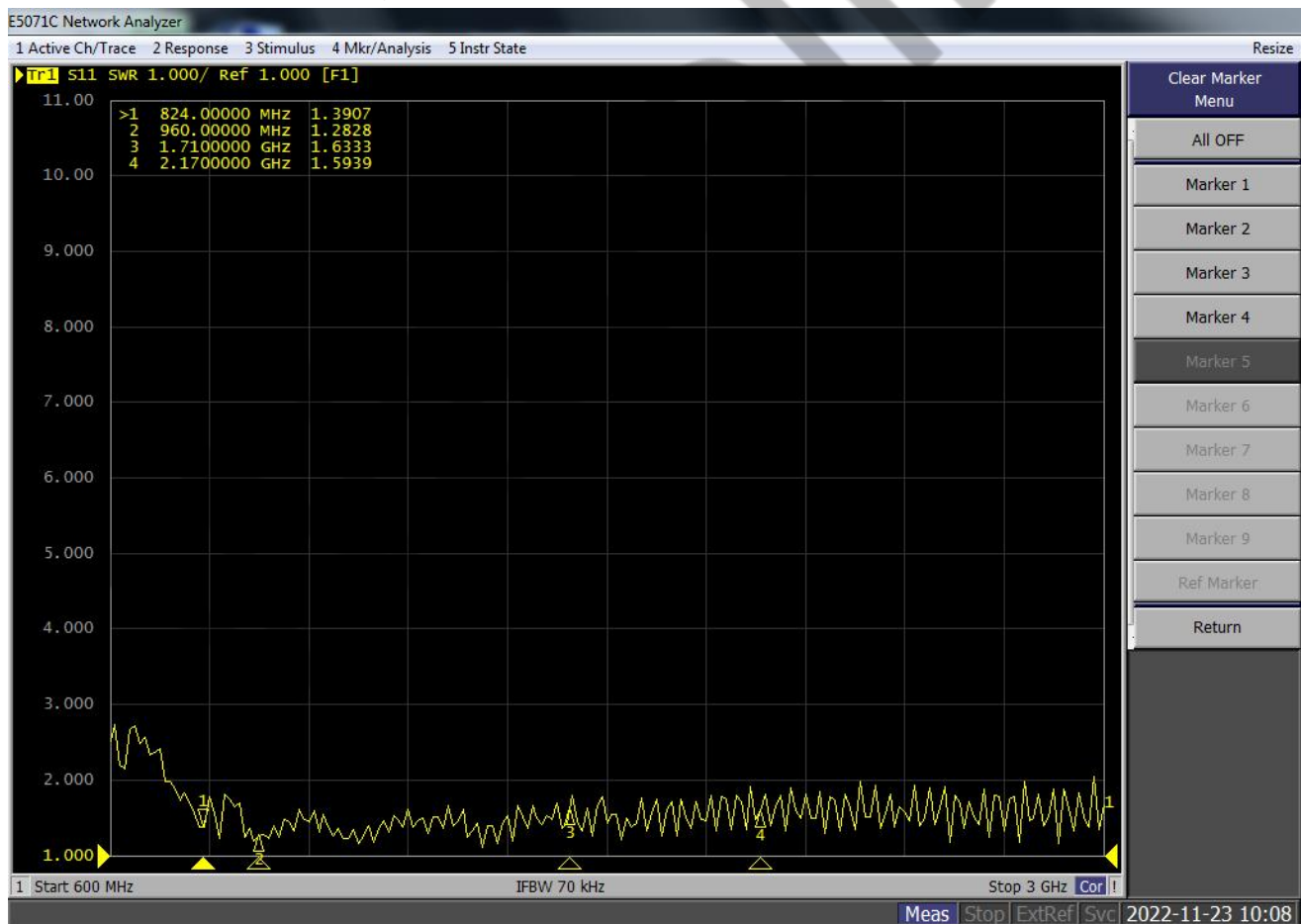
VSWR	≤ 2
Gain	≤ 1 dBi
Polarization Type	Linear

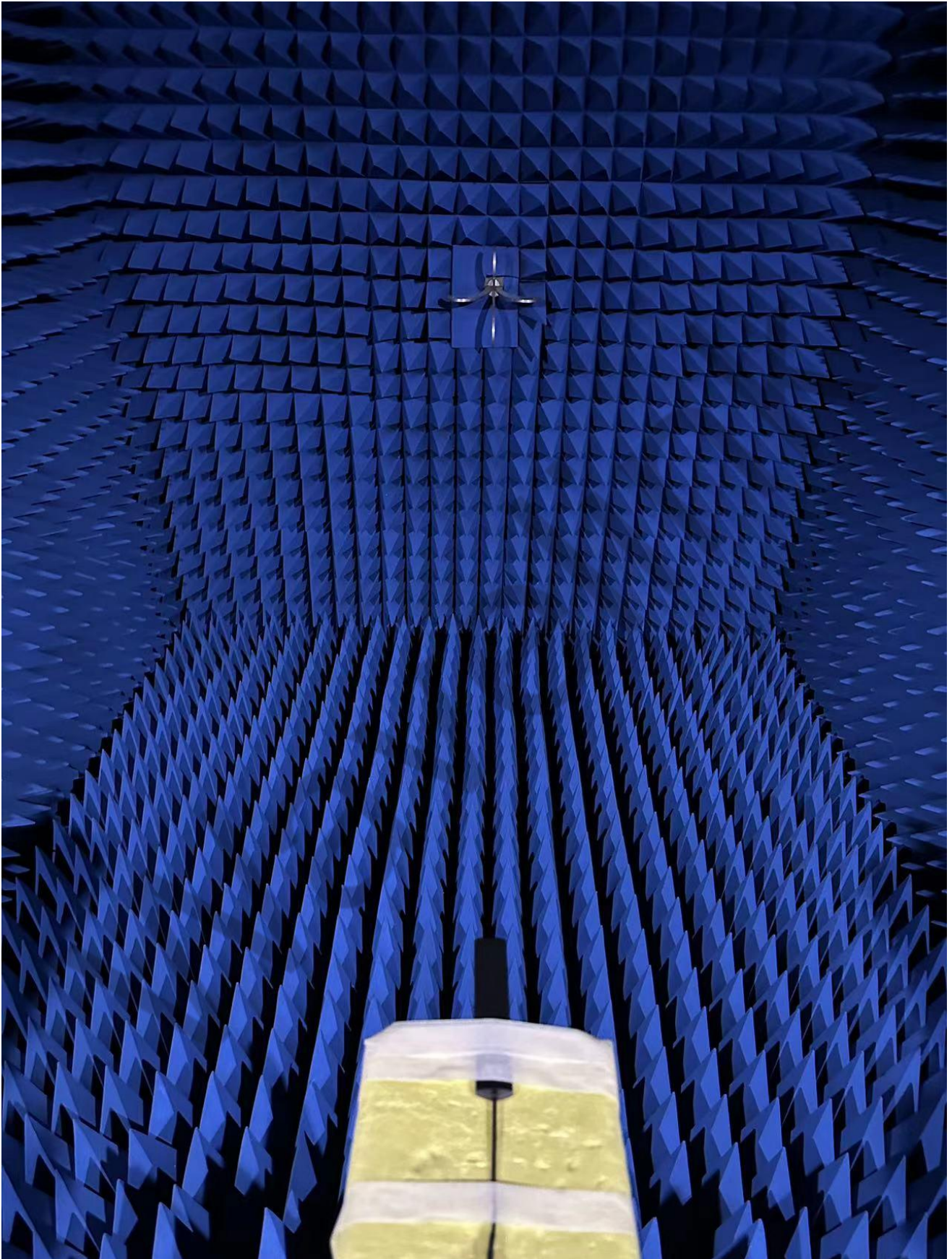
Mechanical Specifications

Antenna Size	115mm ×22mm
Connector Type	Fakra
Working Temperature	-40 °C to +85 °C
Radome Color	Black

4 Overall Performance

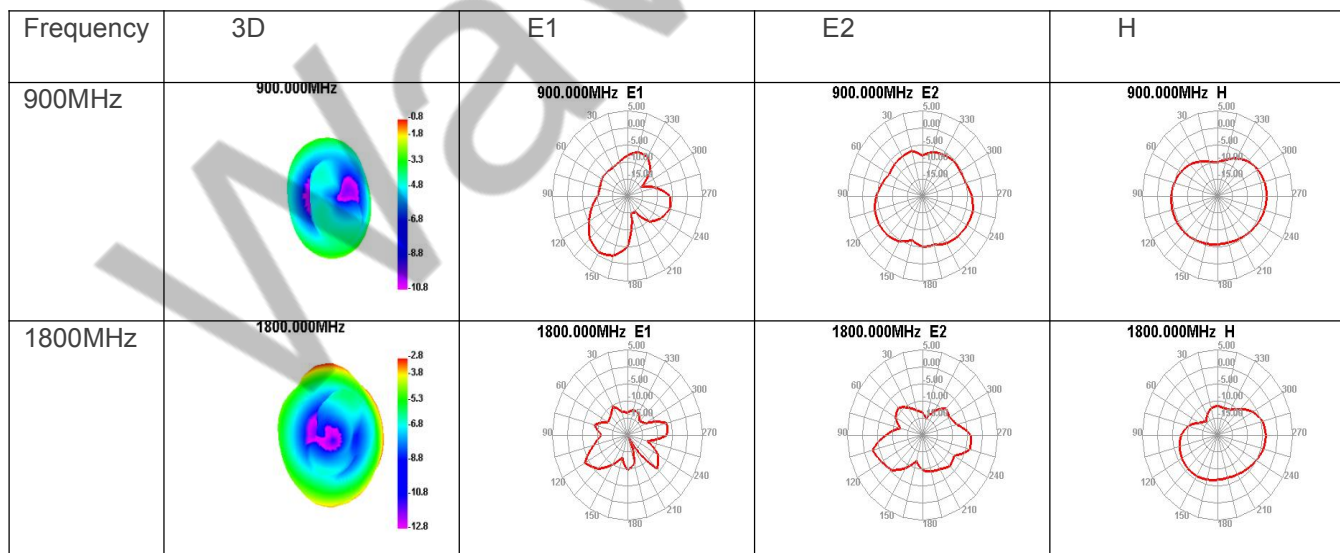
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz



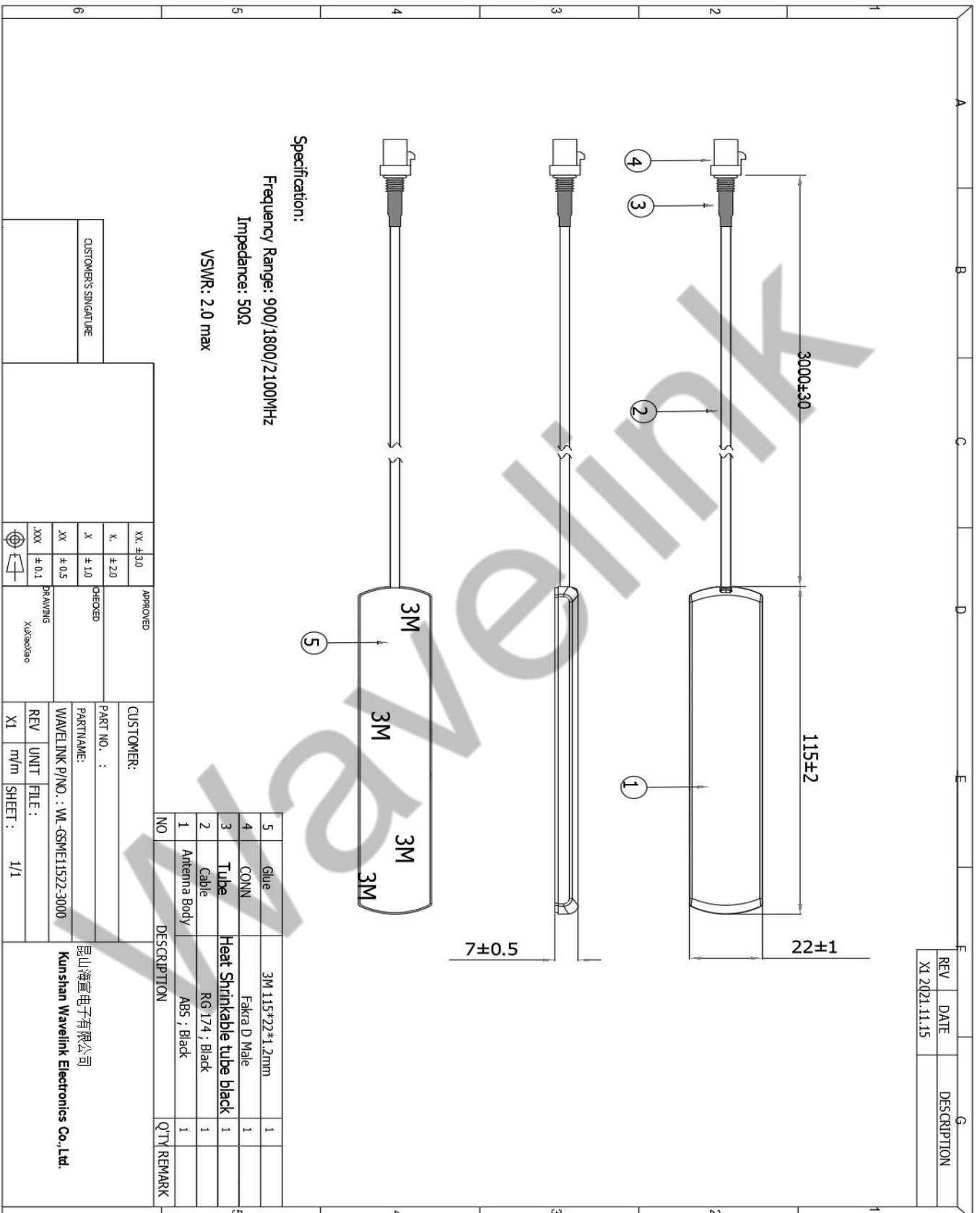


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
820	27.01	-5.68	-2.16	-4.31	-2.16	-25.32	3.52	37.56	37.65
830	28.83	-5.4	-1.52	-3.67	-1.52	-19.22	3.88	38.01	38.02
840	24.13	-6.17	-2.01	-4.16	-2.01	-20	4.17	37.66	37.69
850	24.82	-6.05	-1.63	-3.78	-1.63	-18.56	4.43	37.95	37.95
860	27.66	-5.58	-0.89	-3.04	-0.89	-16.86	4.69	38.46	38.51
870	25.11	-6	-1.14	-3.29	-1.14	-15.88	4.86	38.56	38.57
880	25.92	-5.86	-0.96	-3.11	-0.96	-12.95	4.9	39.13	39.13
890	26.37	-5.79	-0.85	-3	-0.85	-14.23	4.94	39.4	39.39
900	27.24	-5.65	-0.79	-2.94	-0.79	-15.01	4.86	39.82	39.71
910	28.57	-5.44	-0.6	-2.75	-0.6	-18.79	4.84	40.04	39.93
920	28.95	-5.38	-0.21	-2.36	-0.21	-18.54	5.18	40.17	40.07
930	29.55	-5.29	0.09	-2.06	0.09	-16.05	5.38	40.36	40.22
940	29.23	-5.34	-0.08	-2.23	-0.08	-15.88	5.26	40.37	40.21
950	30.96	-5.09	-0.26	-2.41	-0.26	-15.9	4.84	40.51	40.23
960	31.36	-5.04	-0.68	-2.83	-0.68	-18.43	4.36	40.26	39.96
1710	15.8	-8.01	-2.8	-4.95	-2.8	-15.07	5.22	42.41	42.5
1720	15.89	-7.99	-2.7	-4.85	-2.7	-15.02	5.29	42.24	42.31
1730	16.26	-7.89	-2.5	-4.65	-2.5	-15.37	5.39	42.06	42.19
1740	19.51	-7.1	-1.6	-3.75	-1.6	-15	5.5	42.71	42.9
1750	18.88	-7.24	-1.61	-3.76	-1.61	-16.1	5.63	42.75	42.88
1760	18.21	-7.4	-1.75	-3.9	-1.75	-17.06	5.65	42.78	42.9
1770	18	-7.45	-1.96	-4.11	-1.96	-16.24	5.49	42.99	43.01
1780	15.91	-7.98	-2.69	-4.84	-2.69	-16.48	5.3	42.84	42.92
1790	15.74	-8.03	-2.87	-5.02	-2.87	-18.04	5.16	42.72	42.8
1800	16.28	-7.88	-2.83	-4.98	-2.83	-19.31	5.05	42.62	42.74
1810	17.96	-7.46	-2.41	-4.56	-2.41	-19.54	5.04	42.94	43.1
1820	16.64	-7.79	-2.58	-4.73	-2.58	-19.74	5.21	42.81	42.89
1830	17.2	-7.65	-2.31	-4.46	-2.31	-18.54	5.33	42.95	42.99
1840	18.38	-7.36	-1.86	-4.01	-1.86	-19.1	5.5	43.3	43.22
1850	17.44	-7.58	-1.81	-3.96	-1.81	-21.26	5.77	43.34	43.21
1860	17.3	-7.62	-1.53	-3.68	-1.53	-22.08	6.09	43.55	43.42
1870	15.97	-7.97	-1.62	-3.77	-1.62	-22.07	6.34	43.39	43.24
1880	13.91	-8.57	-2.13	-4.28	-2.13	-25.9	6.44	43.41	43.26
1890	13.13	-8.82	-2.44	-4.59	-2.44	-24.66	6.38	43.39	43.23
1900	12.72	-8.95	-2.92	-5.07	-2.92	-24.48	6.03	43.4	43.23
1910	12.24	-9.12	-3.49	-5.64	-3.49	-24.03	5.63	43.53	43.29
1920	12.63	-8.99	-3.63	-5.78	-3.63	-22.77	5.35	43.68	43.56
1930	13.42	-8.72	-3.54	-5.69	-3.54	-21.64	5.19	43.82	43.66
1940	13.31	-8.76	-3.71	-5.86	-3.71	-21.39	5.04	43.64	43.54
1950	13.32	-8.75	-3.9	-6.05	-3.9	-21.97	4.85	43.69	43.62
1960	13.94	-8.56	-4.13	-6.28	-4.13	-22.87	4.43	43.61	43.5

1970	14.64	-8.34	-4.36	-6.51	-4.36	-24.55	3.98	43.6	43.5
1980	14.22	-8.47	-4.56	-6.71	-4.56	-23.59	3.91	43.65	43.62
1990	14.25	-8.46	-4.38	-6.53	-4.38	-21.07	4.08	43.8	43.76
2000	15.08	-8.22	-3.9	-6.05	-3.9	-19.53	4.31	44.07	44.09
2010	14.54	-8.37	-3.95	-6.1	-3.95	-19.93	4.42	44.5	44.61
2020	13.85	-8.59	-4.01	-6.16	-4.01	-21.56	4.58	44.48	44.56
2030	14.22	-8.47	-3.7	-5.85	-3.7	-20.61	4.77	44.6	44.76
2040	13.55	-8.68	-3.6	-5.75	-3.6	-19.7	5.08	44.55	44.67
2050	12.43	-9.06	-3.73	-5.88	-3.73	-19.95	5.33	44.46	44.6
2060	11.61	-9.35	-3.88	-6.03	-3.88	-21.23	5.47	44.56	44.67
2070	10.68	-9.71	-4.36	-6.51	-4.36	-21.9	5.36	44.55	44.64
2080	9.06	-10.43	-5.33	-7.48	-5.33	-22.84	5.1	44.51	44.7
2090	8.31	-10.81	-5.58	-7.73	-5.58	-22.51	5.22	44.47	44.66
2100	8.02	-10.96	-5.55	-7.7	-5.55	-22.79	5.41	44.59	44.83
2110	7.2	-11.43	-5.56	-7.71	-5.56	-22.13	5.87	44.8	44.98
2120	6.86	-11.64	-5.6	-7.75	-5.6	-22.79	6.03	44.86	45.02
2130	6.72	-11.73	-5.83	-7.98	-5.83	-24.09	5.9	44.83	44.9
2140	6.2	-12.08	-6.24	-8.39	-6.24	-27.24	5.84	44.8	44.9
2150	5.44	-12.64	-7.01	-9.16	-7.01	-28.27	5.63	44.91	45
2160	5.39	-12.68	-7.14	-9.29	-7.14	-29.11	5.54	44.83	44.89
2170	5.16	-12.87	-7.42	-9.57	-7.42	-29.08	5.46	45.01	45.18



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.