

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 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

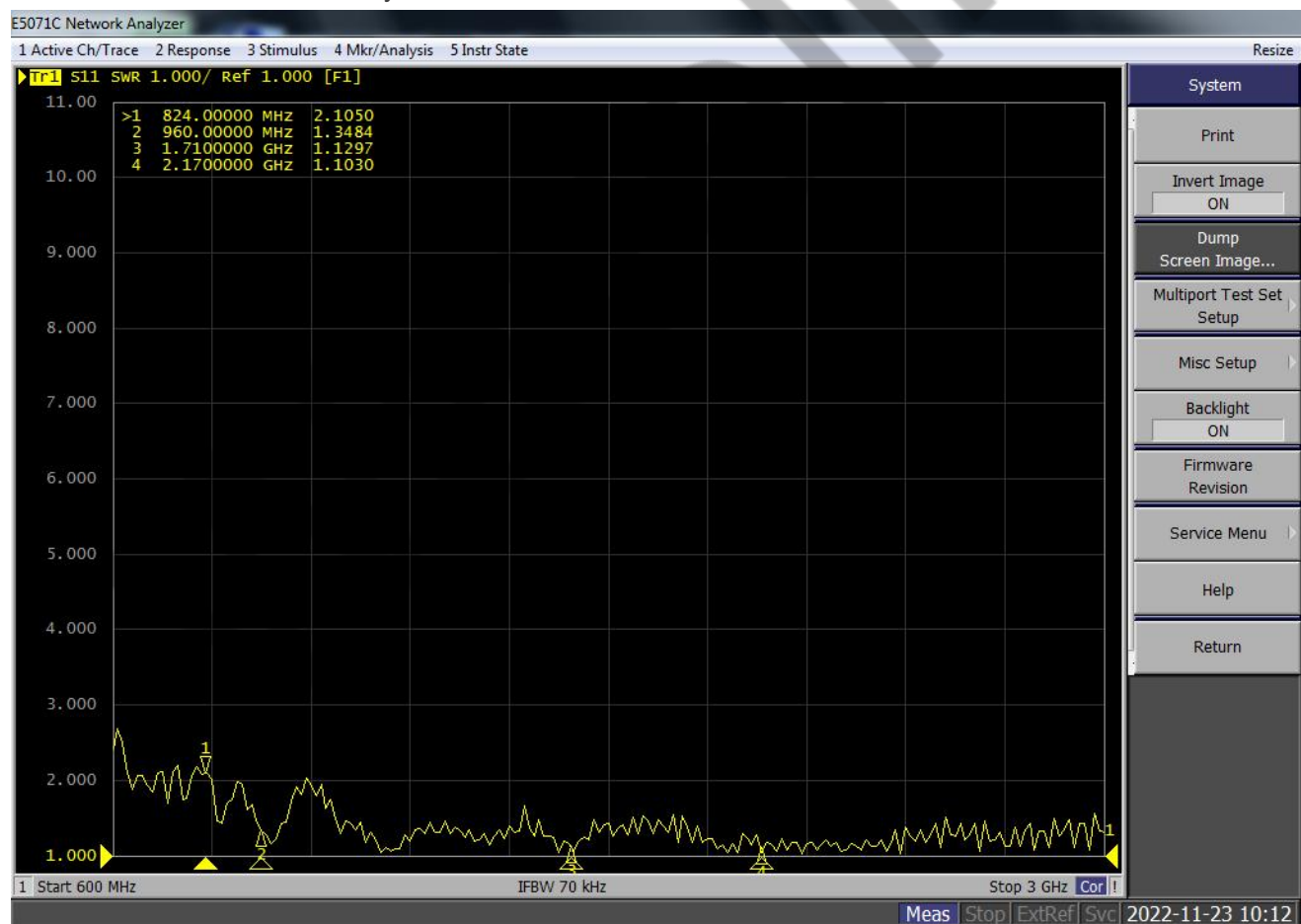
VSWR	≤ 2.5
Gain	≤ 1 dBi
Polarization Type	Linear

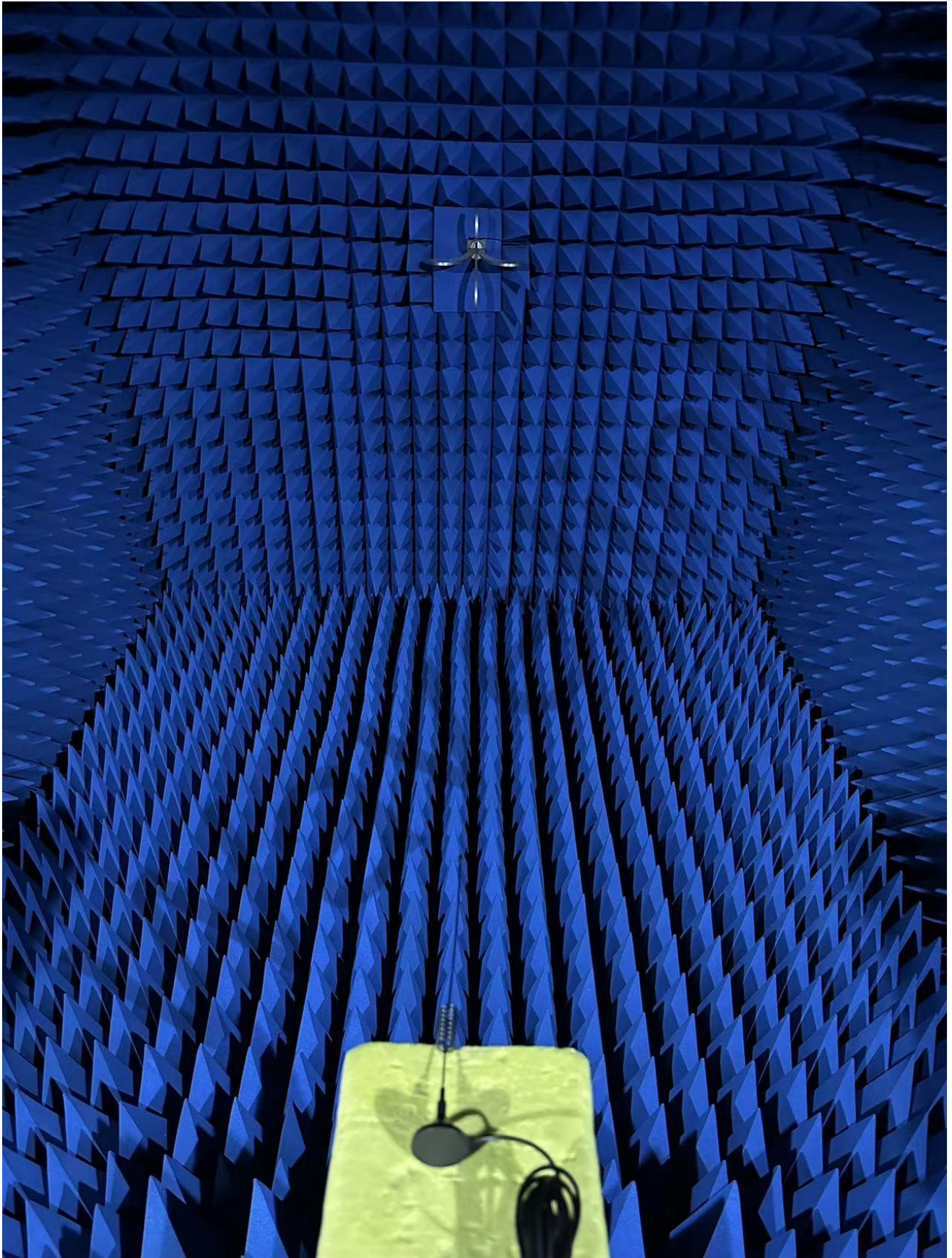
Mechanical Specifications

Antenna Size	275mm × 29mm
Connector Type	SMA
Working Temperature	-40 °C to +85 °C
Radome Color	Black

4 Overall Performance

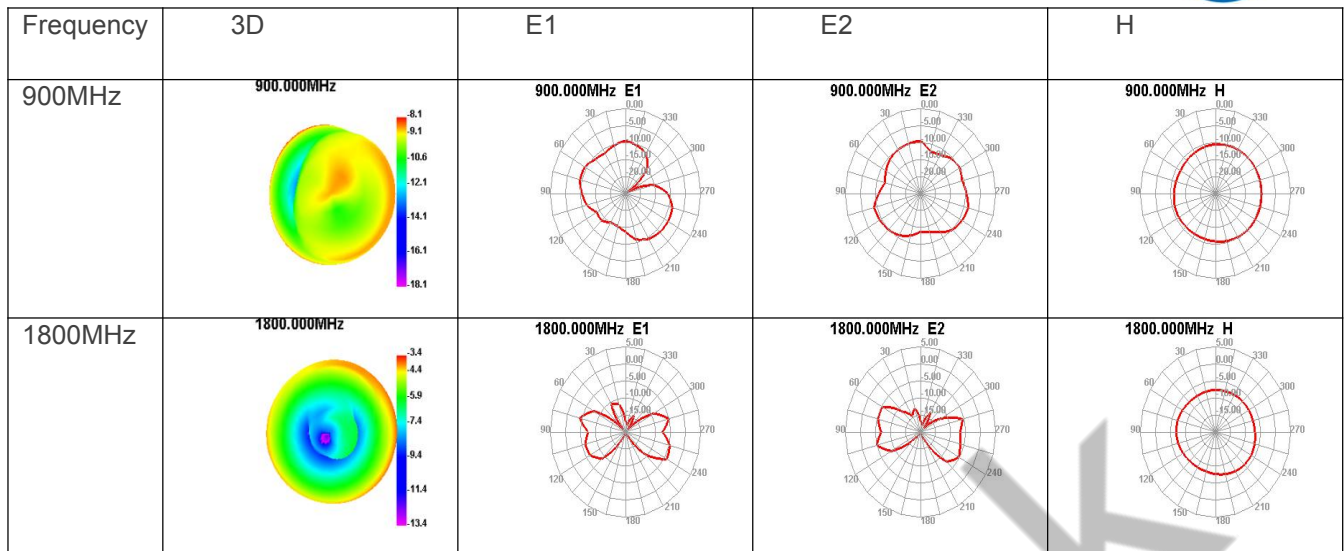
KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz



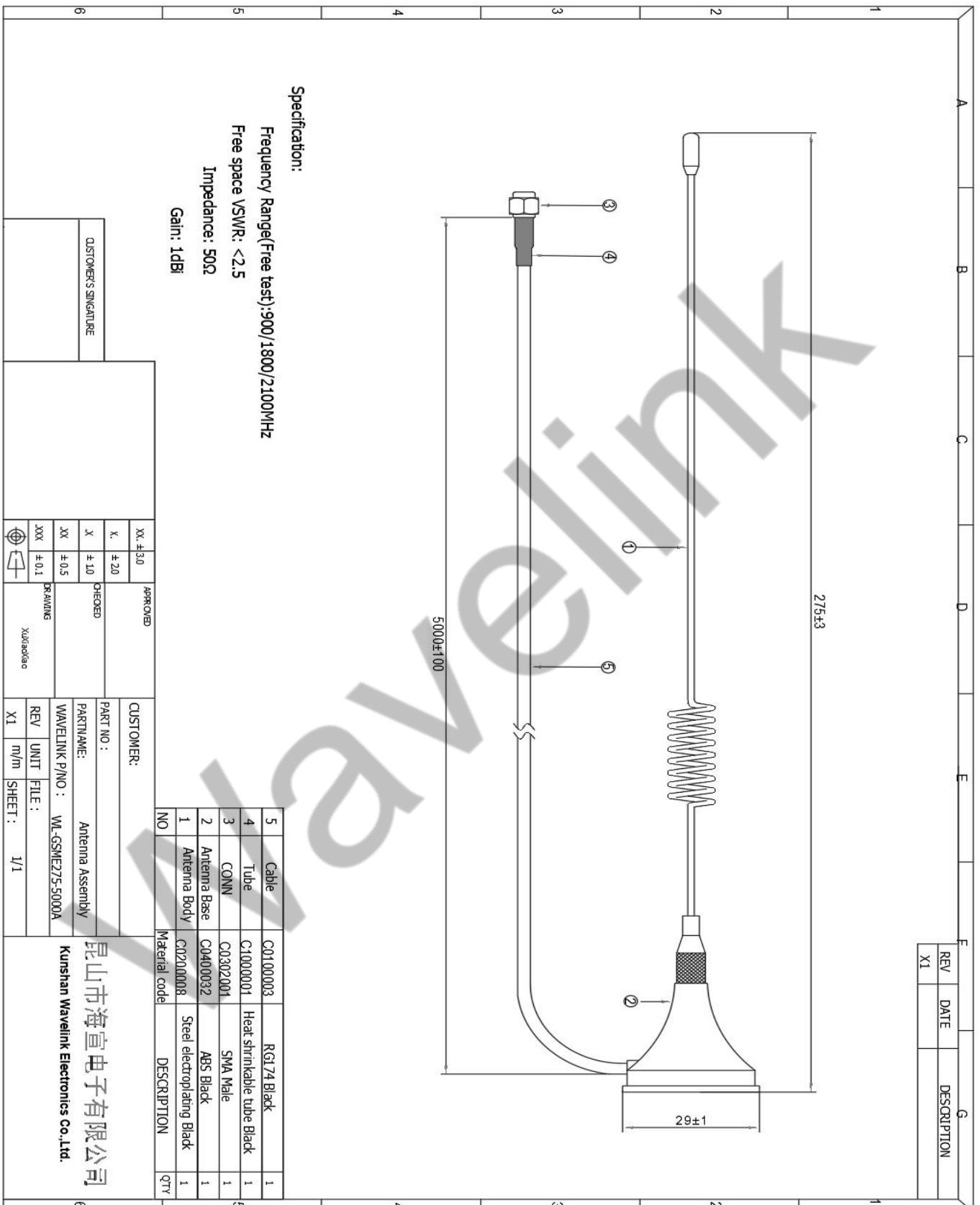


Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
820	16.44	-7.84	-3.18	-5.33	-3.18	-23.34	4.66	37.56	37.65
830	11.94	-9.23	-4.39	-6.54	-4.39	-26.68	4.84	38.01	38.02
840	6.86	-11.64	-6.79	-8.94	-6.79	-27.04	4.84	37.66	37.69
850	6.96	-11.57	-6.7	-8.85	-6.7	-21.52	4.88	37.95	37.95
860	8.25	-10.84	-5.6	-7.75	-5.6	-21.18	5.24	38.46	38.51
870	5.84	-12.33	-7.51	-9.66	-7.51	-29.19	4.83	38.56	38.57
880	7.35	-11.34	-8.3	-10.45	-8.3	-26.26	3.04	39.13	39.13
890	8.57	-10.67	-8.28	-10.43	-8.28	-26.58	2.4	39.4	39.39
900	8.48	-10.72	-8.11	-10.26	-8.11	-28.97	2.61	39.82	39.71
910	9.83	-10.08	-7.46	-9.61	-7.46	-29.33	2.61	40.04	39.93
920	12.62	-8.99	-6.61	-8.76	-6.61	-29.29	2.38	40.17	40.07
930	14.13	-8.5	-5.8	-7.95	-5.8	-25.01	2.7	40.36	40.22
940	16.63	-7.79	-4.54	-6.69	-4.54	-19.63	3.25	40.37	40.21
950	20.54	-6.87	-3.16	-5.31	-3.16	-17.04	3.71	40.51	40.23
960	22.75	-6.43	-2.46	-4.61	-2.46	-17.21	3.97	40.26	39.96
1710	20.53	-6.88	-3.47	-5.62	-3.47	-20.85	3.4	42.41	42.5
1720	20.04	-6.98	-3.02	-5.17	-3.02	-22.45	3.96	42.24	42.31
1730	18.58	-7.31	-2.89	-5.04	-2.89	-24.41	4.42	42.06	42.19
1740	20.75	-6.83	-2.21	-4.36	-2.21	-23.4	4.62	42.71	42.9
1750	19.62	-7.07	-2.51	-4.66	-2.51	-20.72	4.56	42.75	42.88
1760	17.85	-7.48	-3.04	-5.19	-3.04	-22.16	4.44	42.78	42.9
1770	18.36	-7.36	-2.84	-4.99	-2.84	-26.04	4.52	42.99	43.01
1780	17.51	-7.57	-3.06	-5.21	-3.06	-26.42	4.51	42.84	42.92
1790	17.04	-7.69	-3.17	-5.32	-3.17	-29.82	4.51	42.72	42.8
1800	16.6	-7.8	-3.36	-5.51	-3.36	-29.43	4.44	42.62	42.74
1810	18.49	-7.33	-3.11	-5.26	-3.11	-28.93	4.22	42.94	43.1
1820	18.02	-7.44	-3.38	-5.53	-3.38	-34.42	4.06	42.81	42.89
1830	17.23	-7.64	-3.72	-5.87	-3.72	-32.3	3.92	42.95	42.99
1840	17.74	-7.51	-3.92	-6.07	-3.92	-26.95	3.6	43.3	43.22
1850	17.08	-7.68	-4.22	-6.37	-4.22	-26.11	3.45	43.34	43.21
1860	17.6	-7.54	-4.02	-6.17	-4.02	-23.61	3.53	43.55	43.42
1870	17.14	-7.66	-4.03	-6.18	-4.03	-22.68	3.63	43.39	43.24
1880	16.62	-7.79	-4.26	-6.41	-4.26	-24.27	3.53	43.41	43.26
1890	15.86	-8	-4.17	-6.32	-4.17	-28.22	3.83	43.39	43.23
1900	15.43	-8.12	-4.06	-6.21	-4.06	-31.11	4.05	43.4	43.23
1910	15.23	-8.17	-4.06	-6.21	-4.06	-30.87	4.11	43.53	43.29
1920	14.7	-8.33	-4.22	-6.37	-4.22	-29.16	4.11	43.68	43.56
1930	14.09	-8.51	-4.44	-6.59	-4.44	-32.89	4.07	43.82	43.66
1940	13.64	-8.65	-4.55	-6.7	-4.55	-29.27	4.11	43.64	43.54
1950	13.34	-8.75	-4.6	-6.75	-4.6	-27.55	4.15	43.69	43.62
1960	13.24	-8.78	-4.63	-6.78	-4.63	-28.75	4.16	43.61	43.5

1970	12.96	-8.87	-4.59	-6.74	-4.59	-28.78	4.28	43.6	43.5
1980	12	-9.21	-4.63	-6.78	-4.63	-31.41	4.58	43.65	43.62
1990	11.69	-9.32	-4.3	-6.45	-4.3	-35.05	5.02	43.8	43.76
2000	12.17	-9.15	-3.81	-5.96	-3.81	-29.62	5.34	44.07	44.09
2010	11.87	-9.26	-3.71	-5.86	-3.71	-30.77	5.54	44.5	44.61
2020	11.45	-9.41	-3.81	-5.96	-3.81	-27.04	5.6	44.48	44.56
2030	11.74	-9.3	-3.87	-6.02	-3.87	-30.74	5.43	44.6	44.76
2040	11.39	-9.43	-4.06	-6.21	-4.06	-30.23	5.38	44.55	44.67
2050	11.53	-9.38	-3.96	-6.11	-3.96	-29.32	5.43	44.46	44.6
2060	11.38	-9.44	-3.5	-5.65	-3.5	-27.25	5.94	44.56	44.67
2070	11.43	-9.42	-3	-5.15	-3	-27.56	6.43	44.55	44.64
2080	11.68	-9.32	-2.8	-4.95	-2.8	-24.43	6.52	44.51	44.7
2090	12.3	-9.1	-2.68	-4.83	-2.68	-24.54	6.42	44.47	44.66
2100	12.47	-9.04	-2.74	-4.89	-2.74	-25.25	6.3	44.59	44.83
2110	14.18	-8.48	-2.4	-4.55	-2.4	-30.55	6.09	44.8	44.98
2120	14.8	-8.3	-2.51	-4.66	-2.51	-29.79	5.78	44.86	45.02
2130	15.75	-8.03	-2.7	-4.85	-2.7	-28.66	5.33	44.83	44.9
2140	16.48	-7.83	-2.69	-4.84	-2.69	-28.59	5.13	44.8	44.9
2150	16.65	-7.79	-2.56	-4.71	-2.56	-26.1	5.23	44.91	45
2160	16.52	-7.82	-2.4	-4.55	-2.4	-26.41	5.42	44.83	44.89
2170	16.41	-7.85	-2.25	-4.4	-2.25	-27.73	5.6	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.