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:

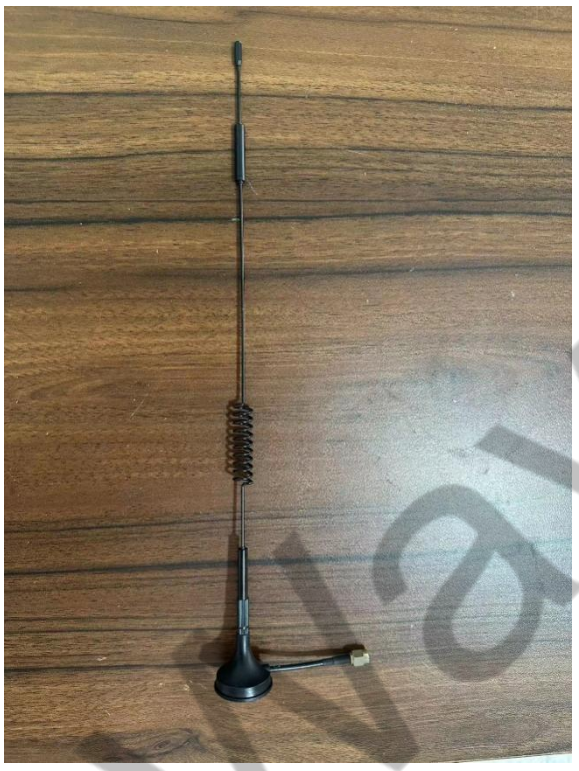
Catalogue

1 Product Description

This wavelink antenna GSM Bands.

2 Product Features

Easy to install
High efficiency
Removable



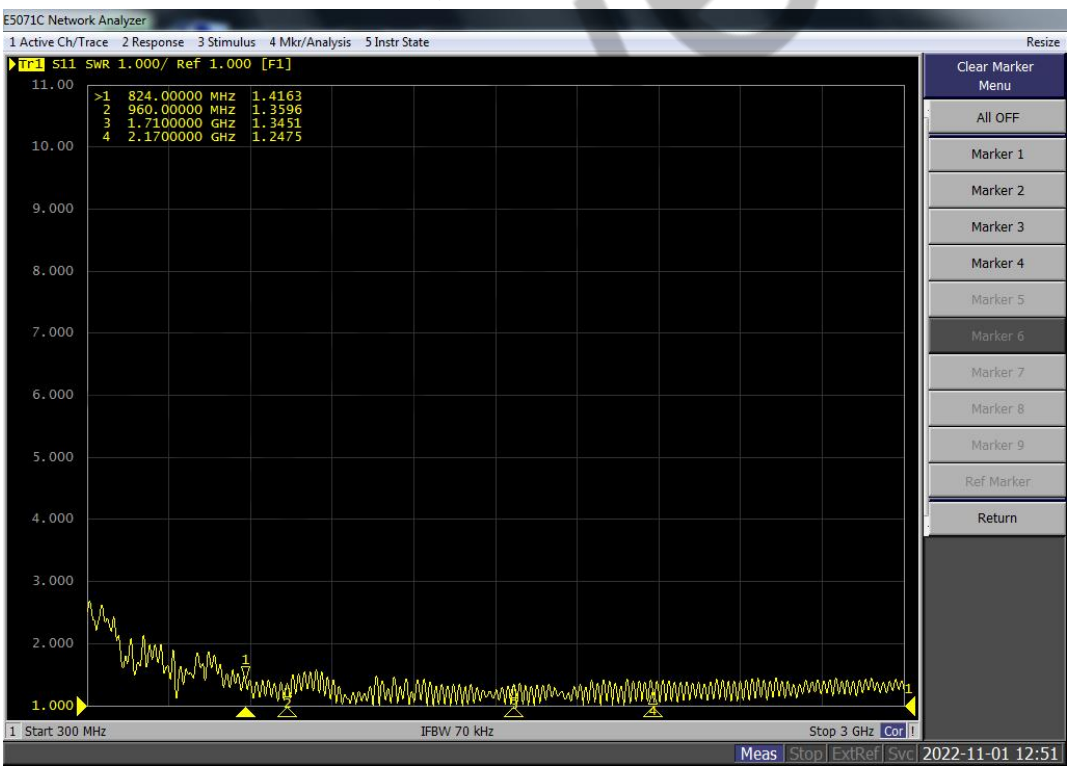
3 Product Specifications

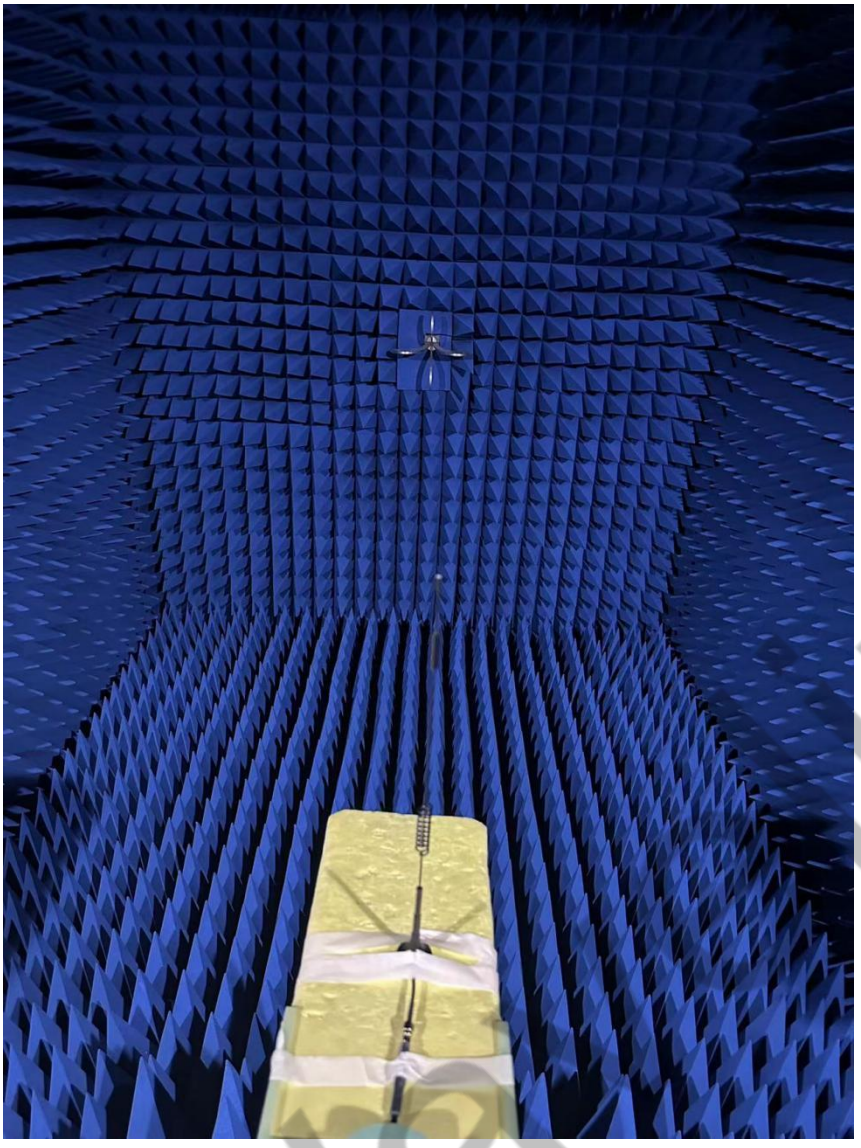
Passive Electrical Specifications	
Frequency Range	824-960MHz 1710-2170MHz

Input Impedance	50 Ω
VSWR	≤ 2
Gain	≤ 5 dBi
Polarization Type	Linear
Mechanical Specifications	
Antenna Size	318mm × 29.4mm
Casing	Spring
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

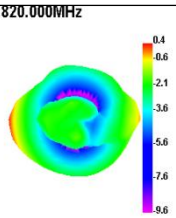
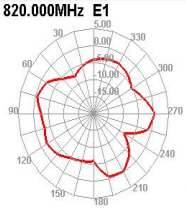
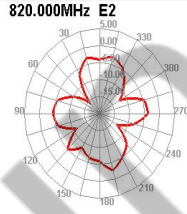
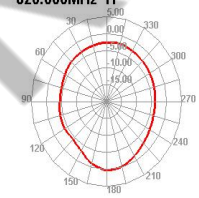
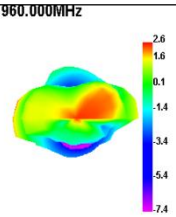
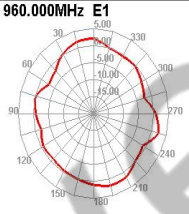
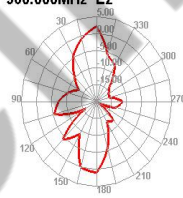
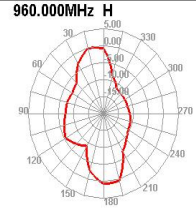
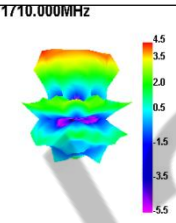
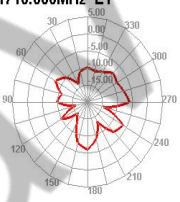
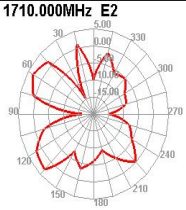
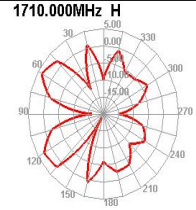
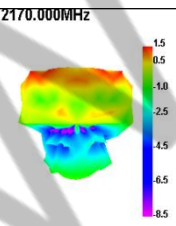
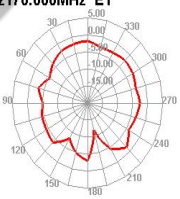
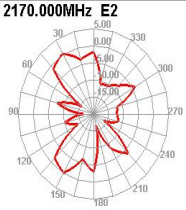
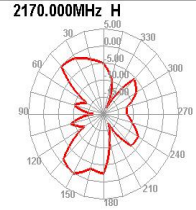




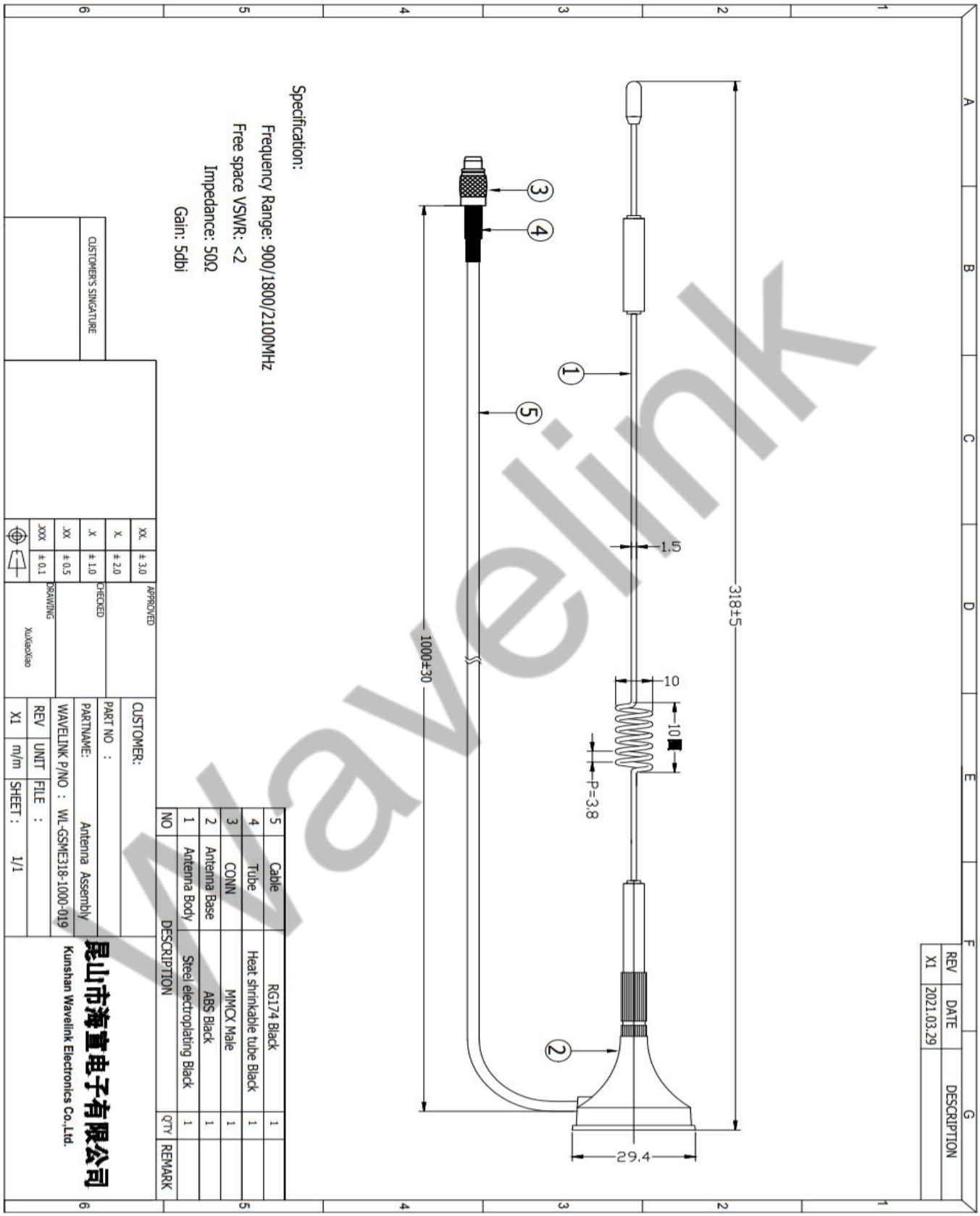
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
820	31.87	-4.97	0.41	-1.74	0.41	-15.7	4.97	38.16	37.9
830	35.66	-4.48	0.81	-1.34	0.81	-14.79	4.48	38.49	38.22
840	35.35	-4.52	0.69	-1.46	0.69	-14.96	4.52	38.52	38.25
850	38.56	-4.14	0.92	-1.23	0.92	-14.97	4.14	38.8	38.54
860	41.1	-3.86	1.16	-0.99	1.16	-18.49	3.86	39.07	38.78
870	41.39	-3.83	1.24	-0.91	1.24	-22.01	3.83	39.12	38.77
880	43.55	-3.61	1.92	-0.23	1.92	-21.61	3.61	39.36	38.96
890	44.9	-3.48	2.56	0.41	2.56	-23.07	3.48	39.65	39.24
900	47.5	-3.23	3.25	1.1	3.25	-19.63	3.23	39.83	39.42
910	49.02	-3.1	3.79	1.64	3.79	-17.72	3.1	40.07	39.66

920	49.28	-3.07	4.12	1.97	4.12	-18.52	3.07	40.27	39.84
930	43.76	-3.59	3.8	1.65	3.8	-21.52	3.59	40.25	39.72
940	40.98	-3.87	3.52	1.37	3.52	-24.6	3.87	40.32	39.64
950	37.68	-4.24	2.99	0.84	2.99	-26.02	4.24	40.43	39.66
960	33.07	-4.81	2.65	0.5	2.65	-25.17	4.81	40.19	39.43
1700	62.88	-2.02	4.7	2.55	4.7	-21.46	2.02	42.91	42.83
1710	59.63	-2.25	4.46	2.31	4.46	-18.73	2.25	42.93	42.83
1720	48.87	-3.11	3.56	1.41	3.56	-26.67	3.11	42.39	42.21
1730	49.45	-3.06	3.53	1.38	3.53	-21.14	3.06	42.54	42.32
1740	48.95	-3.1	3.36	1.21	3.36	-23.88	3.1	43.04	42.83
1750	54.45	-2.64	3.67	1.52	3.67	-23.73	2.64	43.34	43.13
1760	55.54	-2.55	3.51	1.36	3.51	-20.99	2.55	43.47	43.24
1770	52.86	-2.77	2.92	0.77	2.92	-18.68	2.77	43.46	43.23
1780	50.48	-2.97	2.33	0.18	2.33	-20.96	2.97	43.43	43.19
1790	49.23	-3.08	2.31	0.16	2.31	-23.35	3.08	43.24	42.93
1800	48	-3.19	2.34	0.19	2.34	-25.67	3.19	43.22	42.83
1810	48.35	-3.16	2.54	0.39	2.54	-23.64	3.16	43.51	43.1
1820	55.02	-2.59	3.05	0.9	3.05	-20.24	2.59	43.48	43.11
1830	53.92	-2.68	3.1	0.95	3.1	-18.55	2.68	43.51	43.14
1840	53.44	-2.72	3.31	1.16	3.31	-18.47	2.72	43.51	43.17
1850	60.37	-2.19	4.03	1.88	4.03	-20.26	2.19	43.63	43.35
1860	60.6	-2.18	4.15	2	4.15	-21.03	2.18	43.69	43.39
1870	61.79	-2.09	4.24	2.09	4.24	-22.4	2.09	43.56	43.27
1880	64.81	-1.88	4.44	2.29	4.44	-21.07	1.88	43.65	43.38
1890	63.63	-1.96	4.37	2.22	4.37	-20.12	1.96	43.67	43.34
1900	64.33	-1.92	4.49	2.34	4.49	-21.06	1.92	43.64	43.41
1910	63.54	-1.97	4.55	2.4	4.55	-22.49	1.97	43.69	43.44
1920	61.83	-2.09	4.42	2.27	4.42	-21.12	2.09	43.79	43.57
1930	57.77	-2.38	4.09	1.94	4.09	-21.34	2.38	43.89	43.65
1940	56.8	-2.46	4.22	2.07	4.22	-20.44	2.46	43.87	43.66
1950	48.64	-3.13	3.74	1.59	3.74	-19.97	3.13	43.95	43.7
1960	42.21	-3.75	3.32	1.17	3.32	-19.13	3.75	43.94	43.69
1970	43.93	-3.57	3.61	1.46	3.61	-17.46	3.57	44.09	43.96
1980	36.3	-4.4	2.72	0.57	2.72	-17.16	4.4	44.17	43.95
1990	36.78	-4.34	2.57	0.42	2.57	-17.25	4.34	44.2	44.06
2000	36.66	-4.36	2.18	0.03	2.18	-19.28	4.36	44.57	44.42
2010	32.65	-4.86	1.23	-0.92	1.23	-21.4	4.86	44.69	44.52
2020	33.13	-4.8	1.51	-0.64	1.51	-27.95	4.8	44.86	44.78
2030	33.61	-4.73	1.85	-0.3	1.85	-31.13	4.73	45.04	44.98
2040	33.46	-4.75	1.99	-0.16	1.99	-23.17	4.75	45.12	45.07
2050	30.53	-5.15	1.6	-0.55	1.6	-25.75	5.15	45.01	44.95
2060	33.89	-4.7	1.95	-0.2	1.95	-23.99	4.7	45.26	45.2
2070	30.76	-5.12	1.35	-0.8	1.35	-24.17	5.12	45.22	45.06
2080	31.89	-4.96	1.28	-0.87	1.28	-23.91	4.96	45.28	45.12

2090	34.72	-4.59	1.44	-0.71	1.44	-25.08	4.59	45.5	45.36
2100	38.75	-4.12	1.76	-0.39	1.76	-29.2	4.12	45.71	45.51
2110	29.57	-5.29	0.51	-1.64	0.51	-29.56	5.29	44.31	44.12
2120	28.92	-5.39	0.34	-1.81	0.34	-29.03	5.39	44.53	44.39
2130	32.88	-4.83	0.8	-1.35	0.8	-27.92	4.83	44.47	44.28
2140	32.15	-4.93	0.5	-1.65	0.5	-26.78	4.93	44.41	44.26
2150	34.62	-4.61	0.89	-1.26	0.89	-24.94	4.61	44.38	44.31
2160	37.36	-4.28	1.49	-0.66	1.49	-24.62	4.28	44.5	44.39
2170	36.37	-4.39	1.54	-0.61	1.54	-25.15	4.39	44.74	44.7

Frequency	3D	E1	E2	H
820MHz				
				
				
				

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 ℃. 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 ℃⇔125 ℃ 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℃, 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.