

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	≤ 8 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 300mm ×210mm

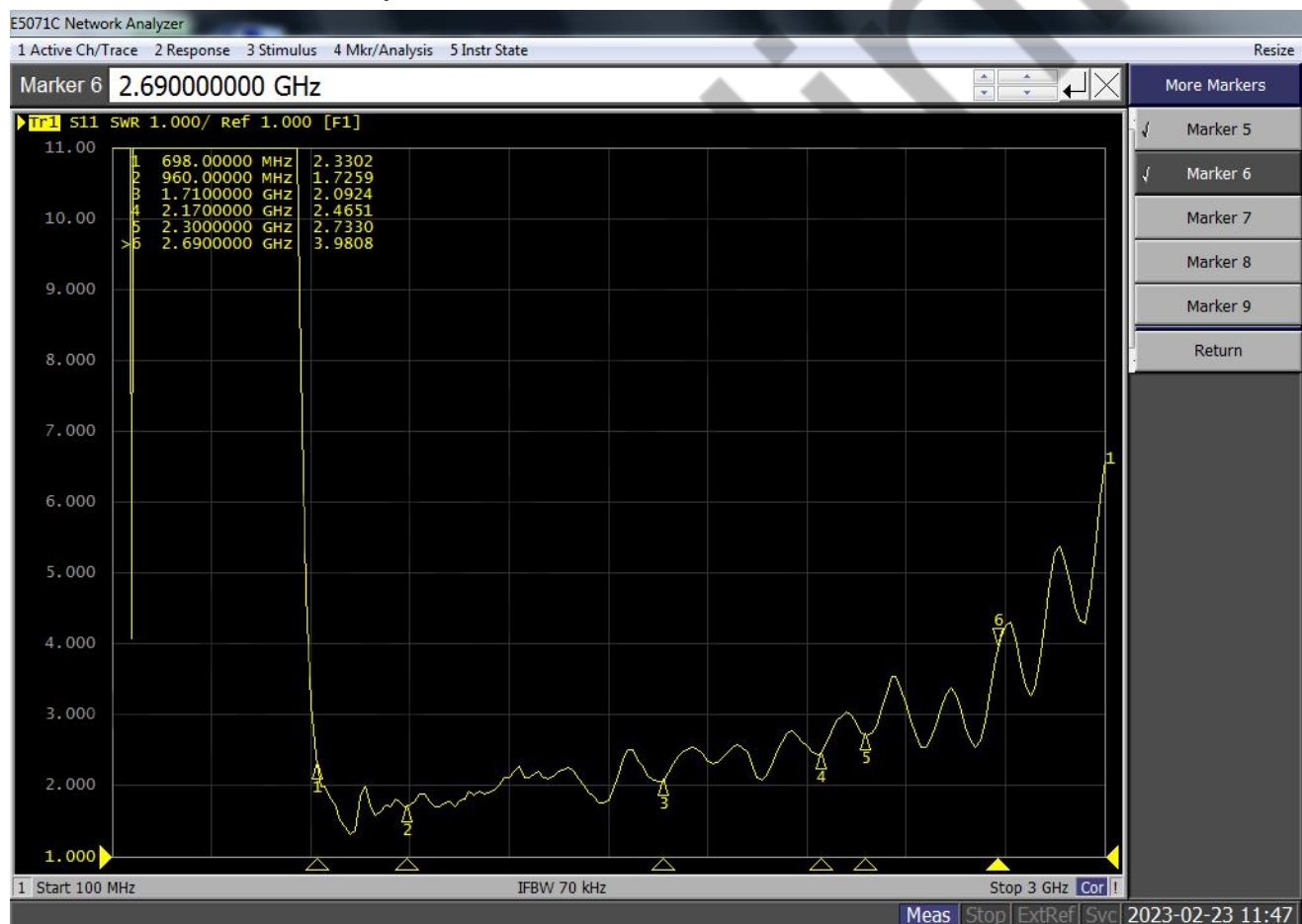
Connector Type SMA

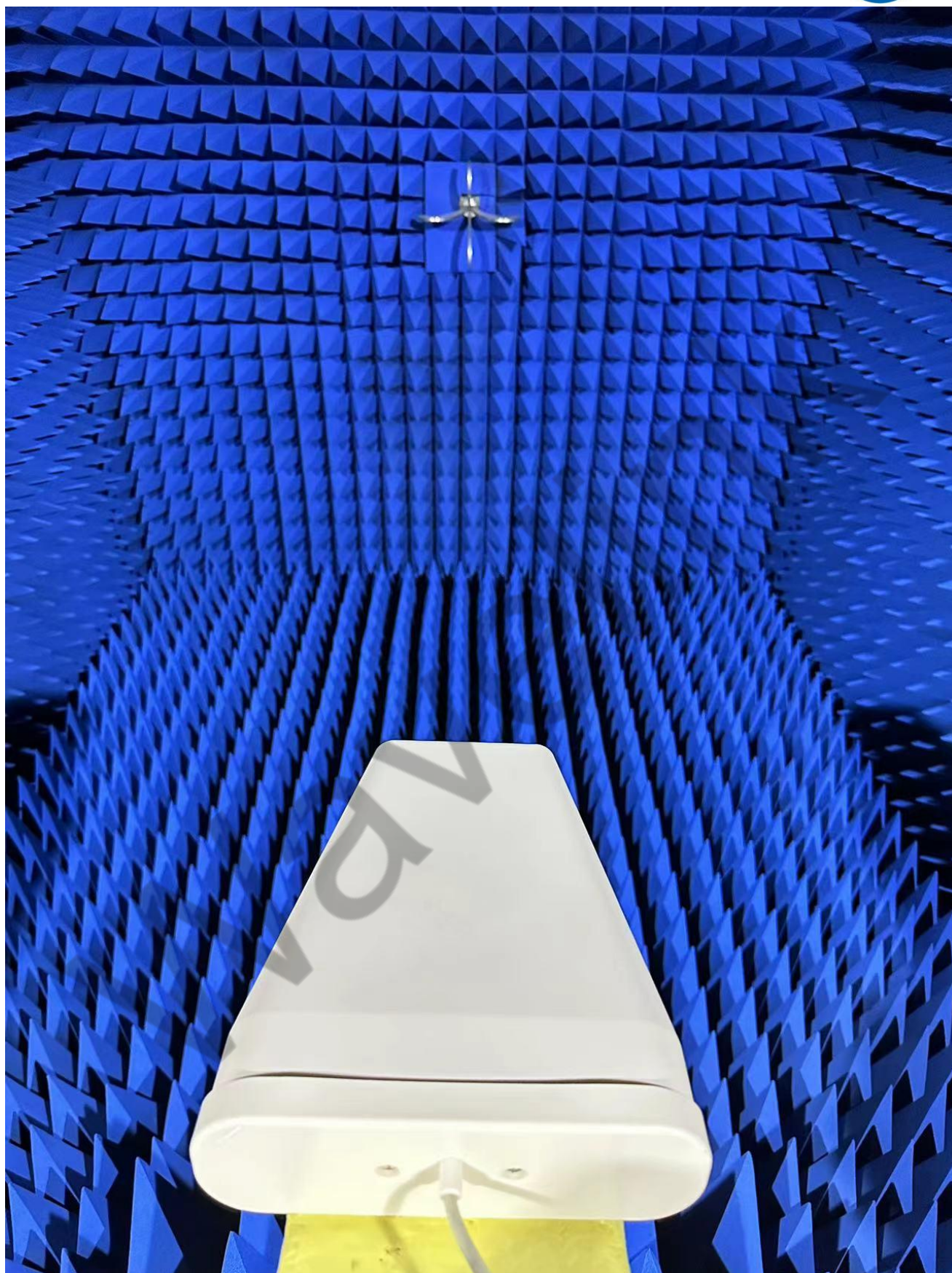
Working Temperature -40 °C to +85 °C

Radome Color White

4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

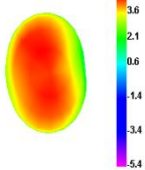
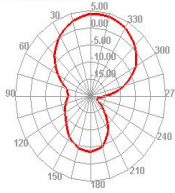
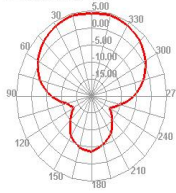
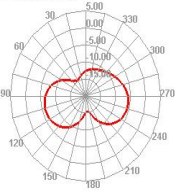
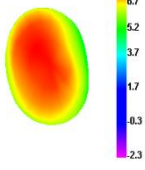
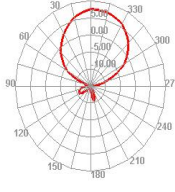
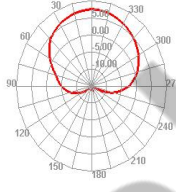
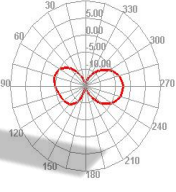
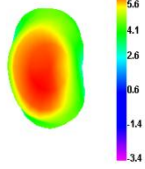
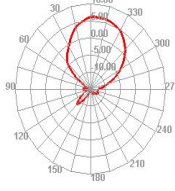
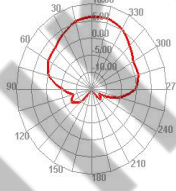
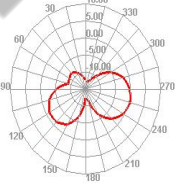
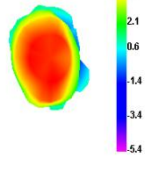
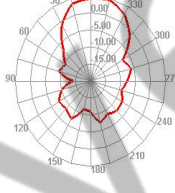
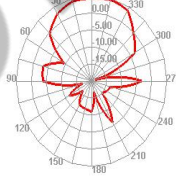
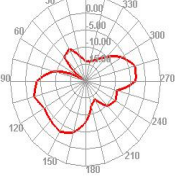




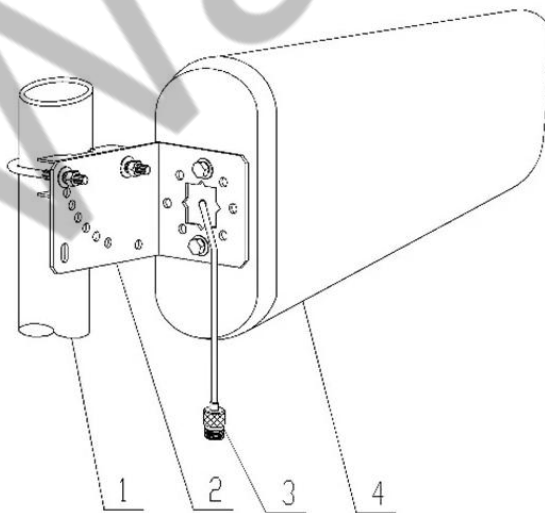
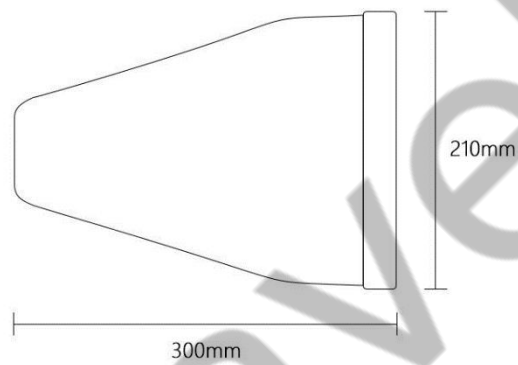
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
690	53.2	-2.74	4.63	2.48	4.63	-19.69	7.37	38.33	38.48
700	52.2	-2.82	4.58	2.43	4.58	-18.52	7.4	37.72	38.08
710	60.03	-2.22	5.25	3.1	5.25	-22.24	7.46	37.29	37.72
720	67.71	-1.69	5.81	3.66	5.81	-24.86	7.51	37.37	37.98
730	71.39	-1.46	6.15	4	6.15	-24.42	7.61	37.02	37.55
740	85.57	-0.68	6.96	4.81	6.96	-22.99	7.64	37.23	37.73
750	85.05	-0.7	7.01	4.86	7.01	-21.65	7.71	37.04	37.47
760	85.64	-0.67	7.21	5.06	7.21	-20.81	7.88	37.07	37.47
770	83.12	-0.8	7.21	5.06	7.21	-24.91	8.02	37.01	37.43
780	82.33	-0.84	7.15	5	7.15	-21.14	8	36.88	37.27
790	85.37	-0.69	7.29	5.14	7.29	-22.12	7.98	37.28	37.67
800	84.45	-0.73	7.3	5.15	7.3	-23.52	8.03	37.29	37.54
810	91.64	-0.38	7.75	5.6	7.75	-19.96	8.13	37.98	38.15
820	83.76	-0.77	7.51	5.36	7.51	-19.23	8.28	37.86	37.95
830	88.46	-0.53	7.94	5.79	7.94	-16.99	8.47	38.3	38.31
840	78.41	-1.06	7.52	5.37	7.52	-19.77	8.57	37.91	37.94
850	79.29	-1.01	7.56	5.41	7.56	-26.88	8.57	38.11	38.11
860	86.71	-0.62	7.93	5.78	7.93	-22.54	8.55	38.5	38.55
870	80.77	-0.93	7.69	5.54	7.69	-21.29	8.61	38.51	38.52
880	83.98	-0.76	7.95	5.8	7.95	-21.48	8.71	39.09	39.09
890	84.19	-0.75	8.09	5.94	8.09	-24.92	8.84	39.37	39.36
900	81.74	-0.88	8.06	5.91	8.06	-24.39	8.93	39.79	39.68
910	84.54	-0.73	8.13	5.98	8.13	-22.01	8.86	40.06	39.95
920	83.55	-0.78	7.93	5.78	7.93	-23.12	8.71	40.18	40.08
930	83.46	-0.79	7.59	5.44	7.59	-20.68	8.37	40.41	40.27
940	86.63	-0.62	7.51	5.36	7.51	-20.85	8.13	40.45	40.29
950	85.31	-0.69	7.62	5.47	7.62	-19.95	8.31	40.59	40.31
960	81.7	-0.88	7.69	5.54	7.69	-21.8	8.57	40.33	40.03
1710	64.83	-1.88	6.64	4.49	6.64	-20.1	8.52	42.38	42.47
1720	63.89	-1.95	6.67	4.52	6.67	-21.46	8.61	42.09	42.16
1730	58.34	-2.34	6.39	4.24	6.39	-22.6	8.73	41.99	42.12
1740	65.14	-1.86	6.96	4.81	6.96	-22.17	8.82	42.51	42.7
1750	64.09	-1.93	6.95	4.8	6.95	-24.11	8.88	42.61	42.74
1760	62.46	-2.04	6.91	4.76	6.91	-25.56	8.95	42.72	42.84
1770	64.61	-1.9	7.11	4.96	7.11	-25.8	9	42.81	42.83
1780	66.05	-1.8	7.26	5.11	7.26	-24.84	9.06	42.82	42.9
1790	60.57	-2.18	6.87	4.72	6.87	-23.98	9.05	42.55	42.63
1800	66.54	-1.77	7.27	5.12	7.27	-22.75	9.04	42.68	42.8
1810	67.56	-1.7	7.34	5.19	7.34	-22.46	9.04	42.86	43.02
1820	69.15	-1.6	7.39	5.24	7.39	-21.78	8.99	42.92	43
1830	70	-1.55	7.34	5.19	7.34	-22.25	8.89	43.04	43.08

1840	70.13	-1.54	7.26	5.11	7.26	-24.39	8.8	43.31	43.23
1850	67.96	-1.68	7.03	4.88	7.03	-25.12	8.71	43.39	43.26
1860	71.81	-1.44	7.12	4.97	7.12	-21.86	8.55	43.45	43.32
1870	67.86	-1.68	6.97	4.82	6.97	-21.33	8.66	43.56	43.41
1880	67.36	-1.72	7.11	4.96	7.11	-23.96	8.82	43.53	43.38
1890	66.89	-1.75	7.24	5.09	7.24	-25.77	8.98	43.41	43.25
1900	65.08	-1.87	7.27	5.12	7.27	-26.78	9.13	43.46	43.29
1910	65.44	-1.84	7.39	5.24	7.39	-25.7	9.23	43.46	43.22
1920	66.6	-1.76	7.54	5.39	7.54	-23.11	9.3	43.59	43.47
1930	64.27	-1.92	7.4	5.25	7.4	-23.74	9.32	43.8	43.64
1940	66.16	-1.79	7.43	5.28	7.43	-24.89	9.22	43.58	43.48
1950	64.52	-1.9	7.3	5.15	7.3	-25.37	9.2	43.68	43.61
1960	56.42	-2.49	6.76	4.61	6.76	-25.38	9.24	43.4	43.29
1970	64.4	-1.91	7.32	5.17	7.32	-23.25	9.24	43.72	43.62
1980	58.83	-2.3	6.89	4.74	6.89	-23.74	9.19	43.49	43.46
1990	65.22	-1.86	7.23	5.08	7.23	-23.24	9.09	43.78	43.74
2000	68.53	-1.64	7.55	5.4	7.55	-21.67	9.19	43.98	44
2010	68.24	-1.66	7.71	5.56	7.71	-22.99	9.37	44.25	44.36
2020	75.28	-1.23	8.29	6.14	8.29	-27.39	9.52	44.5	44.58
2030	71.66	-1.45	8.16	6.01	8.16	-28.22	9.61	44.45	44.61
2040	67.4	-1.71	7.92	5.77	7.92	-27.32	9.63	44.58	44.7
2050	65.54	-1.83	7.77	5.62	7.77	-26.76	9.61	44.37	44.51
2060	61.89	-2.08	7.5	5.35	7.5	-26.14	9.58	44.53	44.64
2070	60.3	-2.2	7.28	5.13	7.28	-26.54	9.48	44.56	44.65
2080	58.4	-2.34	7	4.85	7	-27.49	9.33	44.46	44.65
2090	58.14	-2.36	6.86	4.71	6.86	-28.17	9.21	44.55	44.74
2100	55.3	-2.57	6.56	4.41	6.56	-25.02	9.14	44.67	44.91
2110	64.43	-1.91	7.14	4.99	7.14	-22.11	9.05	44.75	44.93
2120	56.41	-2.49	6.52	4.37	6.52	-23.42	9	44.75	44.91
2130	58.46	-2.33	6.62	4.47	6.62	-22.3	8.95	44.79	44.86
2140	62.19	-2.06	6.8	4.65	6.8	-22.53	8.87	44.87	44.97
2150	55.47	-2.56	6.2	4.05	6.2	-22.03	8.75	44.84	44.93
2160	56.9	-2.45	6.17	4.02	6.17	-21.3	8.61	44.83	44.89
2170	56.65	-2.47	6.01	3.86	6.01	-22.52	8.47	44.95	45.12
2180	55.25	-2.58	5.77	3.62	5.77	-24.75	8.35	44.98	45.14
2190	59.41	-2.26	6.02	3.87	6.02	-23.75	8.28	45.17	45.33
2200	52.42	-2.8	5.47	3.32	5.47	-23.66	8.28	44.89	45.12
2210	55.82	-2.53	5.78	3.63	5.78	-24.42	8.32	45.32	45.48
2220	50.87	-2.94	5.44	3.29	5.44	-23.96	8.37	44.85	45.03
2230	52.26	-2.82	5.72	3.57	5.72	-20.59	8.53	45	45.24
2240	51.07	-2.92	5.72	3.57	5.72	-20.7	8.64	45.28	45.39
2250	50.23	-2.99	5.64	3.49	5.64	-19.84	8.63	45.06	45.19
2260	49.9	-3.02	5.56	3.41	5.56	-18.96	8.57	45.31	45.39
2270	48.35	-3.16	5.34	3.19	5.34	-20.46	8.5	45.21	45.26

2280	51.15	-2.91	5.55	3.4	5.55	-21.14	8.47	45.32	45.41
2290	46.63	-3.31	5.16	3.01	5.16	-20.57	8.47	45.37	45.5
2300	51.83	-2.85	5.65	3.5	5.65	-23.3	8.5	45.42	45.54
2310	53.89	-2.68	5.86	3.71	5.86	-24.37	8.54	45.58	45.67
2320	50.35	-2.98	5.62	3.47	5.62	-26.03	8.6	45.56	45.7
2330	53.01	-2.76	5.86	3.71	5.86	-24.39	8.61	45.69	45.75
2340	52.88	-2.77	5.79	3.64	5.79	-23.42	8.55	45.87	46
2350	51.08	-2.92	5.96	3.81	5.96	-21.91	8.88	46	46.07
2360	53.89	-2.69	6.44	4.29	6.44	-23.63	9.12	46.02	46.2
2370	43.34	-3.63	5.61	3.46	5.61	-24.53	9.24	45.79	45.94
2380	45.96	-3.38	5.87	3.72	5.87	-22.95	9.25	46.08	46.22
2390	46.73	-3.3	5.93	3.78	5.93	-21.67	9.23	46.04	46.3
2400	47.24	-3.26	5.98	3.83	5.98	-21.92	9.24	46.28	46.42
2410	45.92	-3.38	5.94	3.79	5.94	-23.33	9.32	46.35	46.54
2420	48.45	-3.15	6.22	4.07	6.22	-24.87	9.37	46.02	46.19
2430	50.29	-2.99	6.47	4.32	6.47	-27.92	9.46	46.4	46.53
2440	54.74	-2.62	6.87	4.72	6.87	-29.92	9.49	46.55	46.59
2450	58.12	-2.36	7.15	5	7.15	-22.87	9.51	46.74	46.9
2460	55.4	-2.57	6.93	4.78	6.93	-20.01	9.49	47.01	47.08
2470	56.28	-2.5	6.95	4.8	6.95	-19.07	9.45	46.63	46.74
2480	56.97	-2.44	7	4.85	7	-19.12	9.45	47.19	47.37
2490	52.23	-2.82	6.69	4.54	6.69	-21.22	9.51	46.86	46.93
2500	55.13	-2.59	6.98	4.83	6.98	-24.56	9.56	47	47.17
2510	52.37	-2.81	6.76	4.61	6.76	-27.35	9.57	47.12	47.19
2520	50.76	-2.94	6.53	4.38	6.53	-25.64	9.48	46.56	46.69
2530	50.47	-2.97	6.48	4.33	6.48	-22.55	9.45	46.85	46.89
2540	45	-3.47	5.94	3.79	5.94	-20.68	9.41	46.64	46.7
2550	52.2	-2.82	6.56	4.41	6.56	-18.83	9.38	46.88	46.94
2560	48.76	-3.12	6.24	4.09	6.24	-18	9.36	46.85	46.9
2570	45.11	-3.46	5.86	3.71	5.86	-18.6	9.32	46.94	46.98
2580	49.07	-3.09	6.2	4.05	6.2	-19.86	9.29	46.85	46.91
2590	45.61	-3.41	5.82	3.67	5.82	-19.91	9.23	46.87	46.92
2600	48.97	-3.1	6.09	3.94	6.09	-20.22	9.19	46.95	47.02
2610	51.91	-2.85	6.29	4.14	6.29	-22.11	9.14	46.97	47.08
2620	53.73	-2.7	6.41	4.26	6.41	-22.72	9.1	47.28	47.32
2630	52.69	-2.78	6.24	4.09	6.24	-22.09	9.02	47.33	47.36
2640	53.76	-2.7	6.28	4.13	6.28	-20.88	8.97	47.19	47.26
2650	50.77	-2.94	5.97	3.82	5.97	-20.44	8.92	47.33	47.44
2660	43.12	-3.65	5.23	3.08	5.23	-20.67	8.89	47.15	47.19
2670	45.87	-3.38	5.46	3.31	5.46	-20.1	8.84	47.21	47.4
2680	39.53	-4.03	4.78	2.63	4.78	-19.85	8.81	47.5	47.57
2690	39.71	-4.01	4.63	2.48	4.63	-19.3	8.64	47.28	47.43

Frequency	3D	E1	E2	H
700MHz	700.000MHz 	700.000MHz E1 	700.000MHz E2 	700.000MHz 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 
2690MHz	2690.000MHz 	2690.000MHz E1 	2690.000MHz E2 	2690.000MHz H 

5 Product Size



1. Mast 2. Mount 3. Connector - N-f

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.