

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

1	Product Description	3
2	Product Features	3
3	Product Specifications	3
4	Overall Performance	4
5	Product Size	15
6	Others	16

1 Product Description

This wavelink antenna covers 5G NR bands and is compatible with 4G/3G/2G bands.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

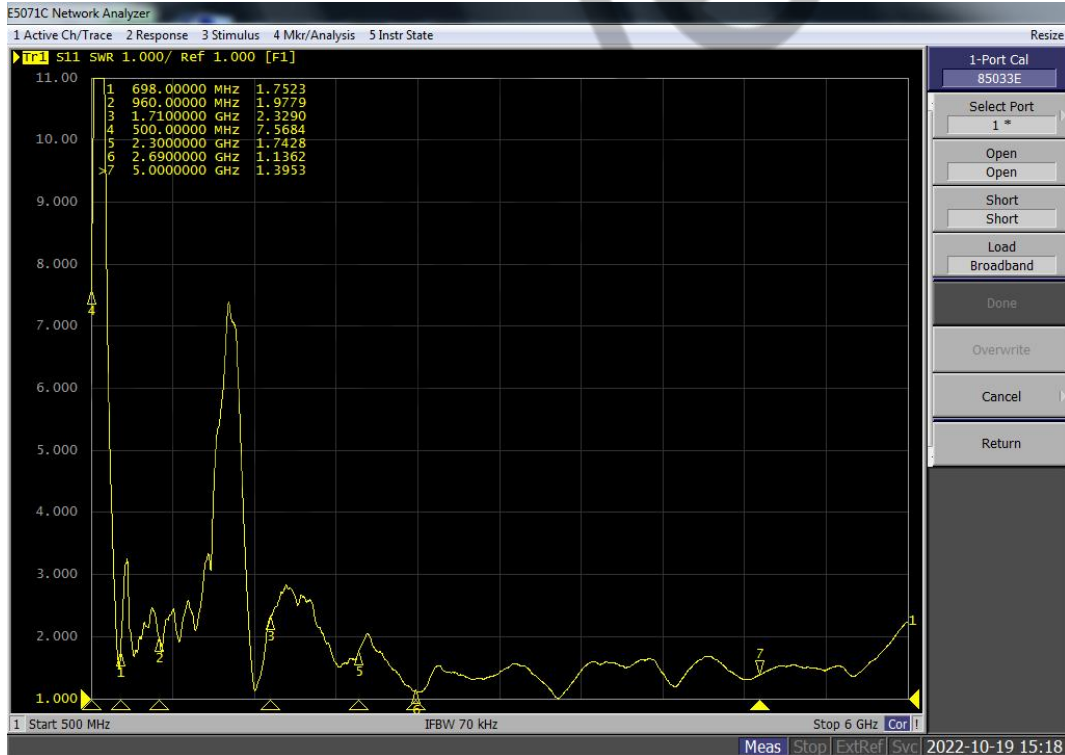
Frequency Range	698-960 MHz 1710-5000MHz
Input Impedance	50 Ω
VSWR	≤ 2.5
Gain	≤ 5 dBi
Polarization Type	Linear

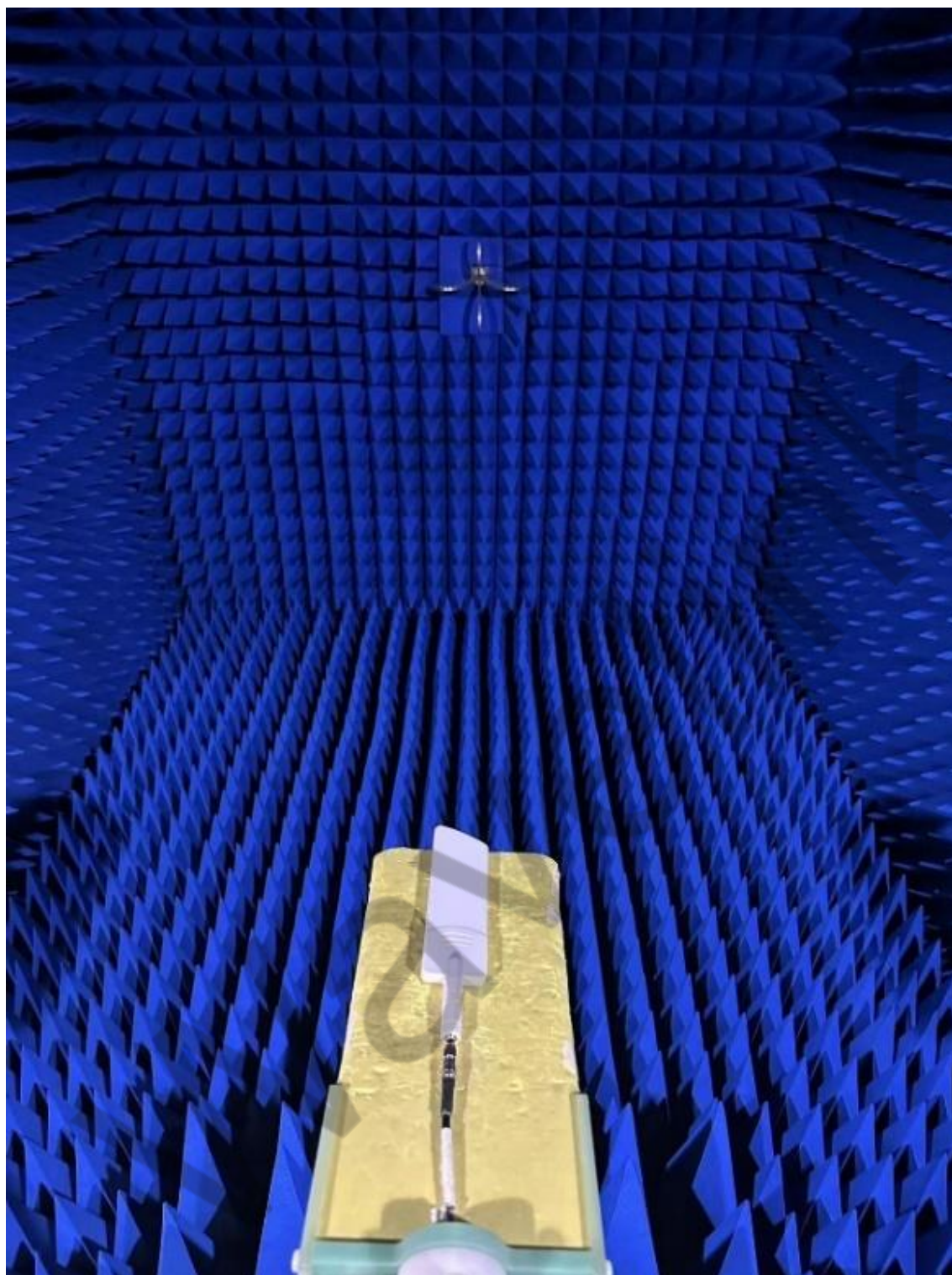
Mechanical Specifications

Antenna Size	193.5 mm $\times$ 44.5 mm
Connector Type	SMA
Working Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ 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)	Beamwidth (3dB)	AttH (dB)	AttV (dB)
690	83.13	-0.8	1.5	-0.65	1.5	-17.28	0.8	75	38.96	38.58
700	80.07	-0.97	2.06	-0.09	2.06	-13.62	0.97	30	38.67	38.35

710	81.3	-0.9	2.41	0.26	2.41	-11	0.9	15	38.56	38.31
720	74.26	-1.29	2	-0.15	2	-9.92	1.29	15	37.98	37.82
730	69.74	-1.57	1.87	-0.28	1.87	-10.23	1.57	15	37.83	37.7
740	59.2	-2.28	1.08	-1.07	1.08	-15.25	2.28	15	37.76	37.64
750	38.45	-4.15	-0.34	-2.49	-0.34	-13.04	4.15	15	37.77	37.66
760	72.01	-1.43	1.77	-0.38	1.77	-15.17	1.43	15	37.93	37.81
770	78.79	-1.04	2.1	-0.05	2.1	-14.11	1.04	15	37.24	37.1
780	77.12	-1.13	2.27	0.12	2.27	-11.35	1.13	15	37.19	37.03
790	79.57	-0.99	2.66	0.51	2.66	-9.34	0.99	15	37.73	37.56
800	76.37	-1.17	2.64	0.49	2.64	-8.47	1.17	15	37.94	37.73
810	69.26	-1.6	2.24	0.09	2.24	-8.45	1.6	0	37.96	37.73
820	63.64	-1.96	1.82	-0.33	1.82	-8.83	1.96	0	38.16	37.9
830	64.27	-1.92	1.8	-0.35	1.8	-9.21	1.92	0	38.49	38.22
840	57.99	-2.37	1.24	-0.91	1.24	-10.68	2.37	0	38.52	38.25
850	59.7	-2.24	1.22	-0.93	1.22	-11.78	2.24	15	38.8	38.54
860	58.97	-2.29	1.05	-1.1	1.05	-12.49	2.29	0	39.07	38.78
870	56.34	-2.49	0.7	-1.45	0.7	-12.48	2.49	0	39.12	38.77
880	50.95	-2.93	0.17	-1.98	0.17	-12.66	2.93	15	39.36	38.96
890	52.14	-2.83	0.21	-1.94	0.21	-13	2.83	45	39.65	39.24
900	46.87	-3.29	-0.31	-2.46	-0.31	-14.59	3.29	45	39.83	39.42
910	42.13	-3.75	-1.01	-3.16	-1.01	-16.42	3.75	45	40.07	39.66
920	39.44	-4.04	-1.52	-3.67	-1.52	-17.48	4.04	15	40.27	39.84
930	35.15	-4.54	-1.86	-4.01	-1.86	-17.06	4.54	15	40.25	39.72
940	33.44	-4.76	-1.67	-3.82	-1.67	-15.49	4.76	15	40.32	39.64
950	34.53	-4.62	-1.18	-3.33	-1.18	-14.73	4.62	15	40.43	39.66
960	35.43	-4.51	-0.76	-2.91	-0.76	-16.91	4.51	15	40.19	39.43
1710	59.67	-2.24	1.75	-0.4	1.75	-13.85	2.24	0	42.93	42.83
1720	50.87	-2.94	1.1	-1.05	1.1	-15.82	2.94	0	42.39	42.21
1730	55.23	-2.58	1.47	-0.68	1.47	-17.12	2.58	15	42.54	42.32
1740	59.21	-2.28	1.88	-0.27	1.88	-18.74	2.28	15	43.04	42.83
1750	63.83	-1.95	2.36	0.21	2.36	-20.83	1.95	15	43.34	43.13
1760	63.64	-1.96	2.38	0.23	2.38	-22.23	1.96	15	43.47	43.24
1770	61.16	-2.14	2.04	-0.11	2.04	-21.72	2.14	15	43.46	43.23
1780	59.02	-2.29	1.59	-0.56	1.59	-19.87	2.29	15	43.43	43.19
1790	58.97	-2.29	1.28	-0.87	1.28	-19.05	2.29	15	43.24	42.93
1800	58.91	-2.3	1.16	-0.99	1.16	-19.41	2.3	15	43.22	42.83
1810	61.89	-2.08	1.54	-0.61	1.54	-20.49	2.08	15	43.51	43.1
1820	60.7	-2.17	1.63	-0.52	1.63	-20.97	2.17	0	43.48	43.11
1830	61.61	-2.1	1.87	-0.28	1.87	-20.85	2.1	0	43.51	43.14
1840	54.73	-2.62	1.41	-0.74	1.41	-20.84	2.62	0	43.51	43.17
1850	59.44	-2.26	1.73	-0.42	1.73	-19.89	2.26	0	43.63	43.35
1860	60.78	-2.16	1.76	-0.39	1.76	-20.56	2.16	0	43.69	43.39
1870	56.65	-2.47	1.38	-0.77	1.38	-22.03	2.47	0	43.56	43.27
1880	59.16	-2.28	1.57	-0.58	1.57	-24.23	2.28	0	43.65	43.38

1890	57.83	-2.38	1.53	-0.62	1.53	-26.74	2.38	0	43.67	43.34
1900	60.28	-2.2	1.82	-0.33	1.82	-32.73	2.2	0	43.64	43.41
1910	55.92	-2.52	1.65	-0.5	1.65	-31.31	2.52	0	43.69	43.44
1920	58.92	-2.3	1.99	-0.16	1.99	-29.46	2.3	0	43.79	43.57
1930	59.41	-2.26	2.06	-0.09	2.06	-27.3	2.26	15	43.89	43.65
1940	54.38	-2.65	1.66	-0.49	1.66	-26.58	2.65	15	43.87	43.66
1950	59.1	-2.28	1.97	-0.18	1.97	-25.25	2.28	15	43.95	43.7
1960	59.32	-2.27	1.96	-0.19	1.96	-23.83	2.27	15	43.94	43.69
1970	58.82	-2.3	1.98	-0.17	1.98	-22.14	2.3	15	44.09	43.96
1980	62.03	-2.07	2.28	0.13	2.28	-20.14	2.07	15	44.17	43.95
1990	60.73	-2.17	2.31	0.16	2.31	-19.19	2.17	15	44.2	44.06
2000	63.91	-1.94	2.64	0.49	2.64	-17.94	1.94	15	44.57	44.42
2010	68.64	-1.63	3	0.85	3	-19.93	1.63	15	44.69	44.52
2020	70.2	-1.54	3.27	1.12	3.27	-23.56	1.54	15	44.86	44.78
2030	71.44	-1.46	3.46	1.31	3.46	-23.96	1.46	15	45.04	44.98
2040	72.6	-1.39	3.58	1.43	3.58	-21.53	1.39	15	45.12	45.07
2050	74.02	-1.31	3.71	1.56	3.71	-19.31	1.31	15	45.01	44.95
2060	76.64	-1.16	3.88	1.73	3.88	-17.03	1.16	15	45.26	45.2
2070	77.43	-1.11	3.9	1.75	3.9	-14.9	1.11	15	45.22	45.06
2080	80.69	-0.93	4.01	1.86	4.01	-13.46	0.93	15	45.28	45.12
2090	83.03	-0.81	4	1.85	4	-14.9	0.81	15	45.5	45.36
2100	86.16	-0.65	4.09	1.94	4.09	-16.33	0.65	30	45.71	45.51
2110	65.25	-1.85	2.82	0.67	2.82	-18.2	1.85	30	44.31	44.12
2120	67.38	-1.71	2.85	0.7	2.85	-17.45	1.71	30	44.53	44.39
2130	64.42	-1.91	2.52	0.37	2.52	-15.9	1.91	30	44.47	44.28
2140	65.9	-1.81	2.52	0.37	2.52	-15.84	1.81	30	44.41	44.26
2150	60.4	-2.19	2.08	-0.07	2.08	-15.3	2.19	30	44.38	44.31
2160	64.54	-1.9	2.28	0.13	2.28	-14.93	1.9	30	44.5	44.39
2170	68.97	-1.61	2.45	0.3	2.45	-14.97	1.61	30	44.74	44.7
2180	66.49	-1.77	2.13	-0.02	2.13	-14.56	1.77	30	44.71	44.69
2190	72.35	-1.41	2.3	0.15	2.3	-13.21	1.41	30	45	44.95
2200	74.02	-1.31	2.21	0.06	2.21	-12.19	1.31	30	45.09	45.01
2210	70.45	-1.52	1.91	-0.24	1.91	-11.79	1.52	30	45.12	45.08
2220	71.23	-1.47	1.94	-0.21	1.94	-11.5	1.47	45	45.26	45.2
2230	72.64	-1.39	2.04	-0.11	2.04	-11.78	1.39	45	45.26	45.17
2240	73.46	-1.34	2.1	-0.05	2.1	-12.69	1.34	45	45.48	45.44
2250	67.21	-1.73	1.65	-0.5	1.65	-14.37	1.73	45	45.26	45.18
2260	70.41	-1.52	1.71	-0.44	1.71	-15.33	1.52	45	45.38	45.33
2270	73.3	-1.35	1.63	-0.52	1.63	-15.76	1.35	45	45.65	45.67
2280	63.27	-1.99	0.74	-1.41	0.74	-16.52	1.99	45	45.53	45.52
2290	72.93	-1.37	1.12	-1.03	1.12	-15.59	1.37	45	45.9	45.86
2300	65.38	-1.85	0.39	-1.76	0.39	-15.41	1.85	45	45.79	45.81
2310	64.59	-1.9	0.04	-2.11	0.04	-14.98	1.9	90	45.95	45.82
2320	68.95	-1.61	0.58	-1.57	0.58	-15.78	1.61	90	45.96	45.9

2330	67.72	-1.69	0.96	-1.19	0.96	-15.8	1.69	90	46.17	46.12
2340	71.21	-1.47	1.7	-0.45	1.7	-14.62	1.47	60	46.36	46.27
2350	65.84	-1.81	1.7	-0.45	1.7	-15.6	1.81	30	46.31	46.27
2360	64.37	-1.91	1.76	-0.39	1.76	-16.15	1.91	30	46.38	46.32
2370	56.1	-2.51	1.16	-0.99	1.16	-16.49	2.51	30	46.32	46.3
2380	58.09	-2.36	1.24	-0.91	1.24	-15.94	2.36	30	46.45	46.33
2390	59.25	-2.27	1.28	-0.87	1.28	-15.68	2.27	60	46.66	46.66
2400	54.46	-2.64	0.98	-1.17	0.98	-16.18	2.64	60	46.78	46.66
2410	52.3	-2.82	1.01	-1.14	1.01	-16.34	2.82	60	46.54	46.47
2420	51.67	-2.87	1.19	-0.96	1.19	-15.92	2.87	45	46.78	46.77
2430	50.05	-3.01	1.12	-1.03	1.12	-15.24	3.01	30	46.65	46.52
2440	50.81	-2.94	1.07	-1.08	1.07	-14.28	2.94	30	46.79	46.73
2450	51.34	-2.9	0.81	-1.34	0.81	-13.35	2.9	60	46.92	46.83
2460	51.6	-2.87	0.38	-1.77	0.38	-12.72	2.87	60	47.02	46.93
2470	49.39	-3.06	0.01	-2.14	0.01	-13.66	3.06	60	46.82	46.7
2480	53.01	-2.76	0.46	-1.69	0.46	-13.63	2.76	60	47.15	47.03
2490	55.01	-2.6	0.71	-1.44	0.71	-13.57	2.6	60	47.25	47.04
2500	55.68	-2.54	0.8	-1.35	0.8	-13.3	2.54	60	47.08	46.9
2510	55.07	-2.59	0.77	-1.38	0.77	-13.06	2.59	60	47.12	46.99
2520	52.01	-2.84	0.55	-1.6	0.55	-12.69	2.84	60	46.86	46.73
2530	53.85	-2.69	0.74	-1.41	0.74	-13.46	2.69	60	46.86	46.77
2540	54.49	-2.64	0.84	-1.31	0.84	-14.34	2.64	60	46.67	46.65
2550	56.34	-2.49	1.06	-1.09	1.06	-14.19	2.49	45	46.89	46.85
2560	56.02	-2.52	1.11	-1.04	1.11	-13.9	2.52	45	46.64	46.58
2570	58.43	-2.33	1.35	-0.8	1.35	-13.82	2.33	45	46.93	46.95
2580	60.03	-2.22	1.46	-0.69	1.46	-13.58	2.22	45	46.92	46.77
2590	56.23	-2.5	1.16	-0.99	1.16	-13.7	2.5	60	46.68	46.61
2600	61.03	-2.14	1.58	-0.57	1.58	-12.8	2.14	60	47.08	46.99
2610	61.95	-2.08	1.67	-0.48	1.67	-12.02	2.08	75	46.94	46.85
2620	59.58	-2.25	1.52	-0.63	1.52	-12.53	2.25	60	46.88	46.79
2630	65.42	-1.84	1.98	-0.17	1.98	-12.99	1.84	60	47.1	47.01
2640	71.76	-1.44	2.55	0.4	2.55	-13.29	1.44	60	47.49	47.35
2650	75.99	-1.19	2.87	0.72	2.87	-15.03	1.19	30	47.39	47.27
2660	82.05	-0.86	3.17	1.02	3.17	-16.22	0.86	15	47.66	47.54
2670	83.53	-0.78	3.22	1.07	3.22	-17.29	0.78	15	47.76	47.6
2680	85.25	-0.69	3.32	1.17	3.32	-18.57	0.69	15	47.81	47.7
2690	83.04	-0.81	3.18	1.03	3.18	-20.31	0.81	15	47.82	47.71
2700	80.05	-0.97	3.05	0.9	3.05	-20.4	0.97	0	48.01	47.89
2710	83.55	-0.78	3.21	1.06	3.21	-16.99	0.78	15	47.92	47.8
2720	77.67	-1.1	2.9	0.75	2.9	-14.68	1.1	15	48.14	48.08
2730	80.56	-0.94	2.96	0.81	2.96	-12.67	0.94	15	48.25	48.08
2740	83.09	-0.8	3.06	0.91	3.06	-11.05	0.8	15	48.05	47.95
2750	79.8	-0.98	2.78	0.63	2.78	-11.2	0.98	15	48.48	48.39
2760	85.99	-0.66	2.96	0.81	2.96	-11.05	0.66	15	48.21	48.05

2770	78.19	-1.07	2.6	0.45	2.6	-11.69	1.07	15	48.16	48.11
2780	82.63	-0.83	2.96	0.81	2.96	-11.74	0.83	15	48.16	48.05
2790	80.3	-0.95	3.03	0.88	3.03	-12.32	0.95	15	48.23	48.14
2800	75.54	-1.22	2.97	0.82	2.97	-12.93	1.22	15	47.99	47.84
2810	76.6	-1.16	3.2	1.05	3.2	-13.29	1.16	15	48.11	47.99
2820	72.58	-1.39	3.05	0.9	3.05	-14.14	1.39	15	48.3	48.12
2830	77.56	-1.1	3.32	1.17	3.32	-14.23	1.1	30	48.21	48.04
2840	74.77	-1.26	3.02	0.87	3.02	-14.38	1.26	30	48.43	48.36
2850	75.32	-1.23	2.91	0.76	2.91	-14.31	1.23	30	48.37	48.19
2860	78.74	-1.04	2.97	0.82	2.97	-13.82	1.04	30	48.49	48.37
2870	77.26	-1.12	2.94	0.79	2.94	-15.03	1.12	30	48.57	48.5
2880	71.82	-1.44	2.75	0.6	2.75	-16.64	1.44	15	48.39	48.25
2890	75	-1.25	3.07	0.92	3.07	-18.28	1.25	15	48.45	48.32
2900	79.69	-0.99	3.33	1.18	3.33	-20.56	0.99	15	48.9	48.8
2910	75.35	-1.23	3	0.85	3	-20.04	1.23	30	48.71	48.51
2920	73.76	-1.32	2.75	0.6	2.75	-19.18	1.32	45	48.59	48.45
2930	73.28	-1.35	2.89	0.74	2.89	-22.63	1.35	45	48.63	48.41
2940	71.64	-1.45	3.14	0.99	3.14	-18.81	1.45	30	48.66	48.48
2950	80.98	-0.92	3.93	1.78	3.93	-14.56	0.92	30	49.12	48.85
2960	72.94	-1.37	3.61	1.46	3.61	-14.8	1.37	30	48.59	48.39
2970	71.72	-1.44	3.59	1.44	3.59	-15.72	1.44	30	48.88	48.63
2980	77.59	-1.1	3.93	1.78	3.93	-14.44	1.1	30	48.76	48.42
2990	75.28	-1.23	3.76	1.61	3.76	-12.97	1.23	30	48.9	48.67
3000	77.21	-1.12	3.83	1.68	3.83	-13.4	1.12	30	48.79	48.36
3010	71.6	-1.45	3.46	1.31	3.46	-13.8	1.45	30	48.42	48.14
3020	80.61	-0.94	3.97	1.82	3.97	-12.86	0.94	30	49.19	48.85
3030	77.05	-1.13	3.8	1.65	3.8	-12.53	1.13	30	48.64	48.28
3040	70.63	-1.51	3.44	1.29	3.44	-12.46	1.51	30	48.51	48.18
3050	72.04	-1.42	3.58	1.43	3.58	-12.18	1.42	30	48.39	48.06
3060	77.16	-1.13	3.91	1.76	3.91	-11.93	1.13	30	48.76	48.44
3070	80.37	-0.95	4.06	1.91	4.06	-11.85	0.95	30	49.08	48.79
3080	76.4	-1.17	3.79	1.64	3.79	-12.31	1.17	30	48.77	48.55
3090	72.44	-1.4	3.54	1.39	3.54	-12.66	1.4	30	48.6	48.35
3100	73.54	-1.33	3.67	1.52	3.67	-12.98	1.33	30	48.71	48.51
3110	74.95	-1.25	3.83	1.68	3.83	-14.39	1.25	30	48.8	48.65
3120	69.68	-1.57	3.57	1.42	3.57	-16.65	1.57	30	48.86	48.73
3130	68.3	-1.66	3.5	1.35	3.5	-17.47	1.66	30	48.49	48.39
3140	68.53	-1.64	3.52	1.37	3.52	-16.89	1.64	30	48.8	48.79
3150	69.34	-1.59	3.52	1.37	3.52	-16.34	1.59	30	49	48.96
3160	70.65	-1.51	3.52	1.37	3.52	-15.19	1.51	30	48.87	48.85
3170	61.56	-2.11	2.86	0.71	2.86	-15.83	2.11	30	48.82	48.84
3180	66.62	-1.76	3.26	1.11	3.26	-15.73	1.76	30	48.79	48.75
3190	74.97	-1.25	3.87	1.72	3.87	-15.43	1.25	30	49.49	49.53
3200	68.19	-1.66	3.52	1.37	3.52	-17.29	1.66	15	49.02	49

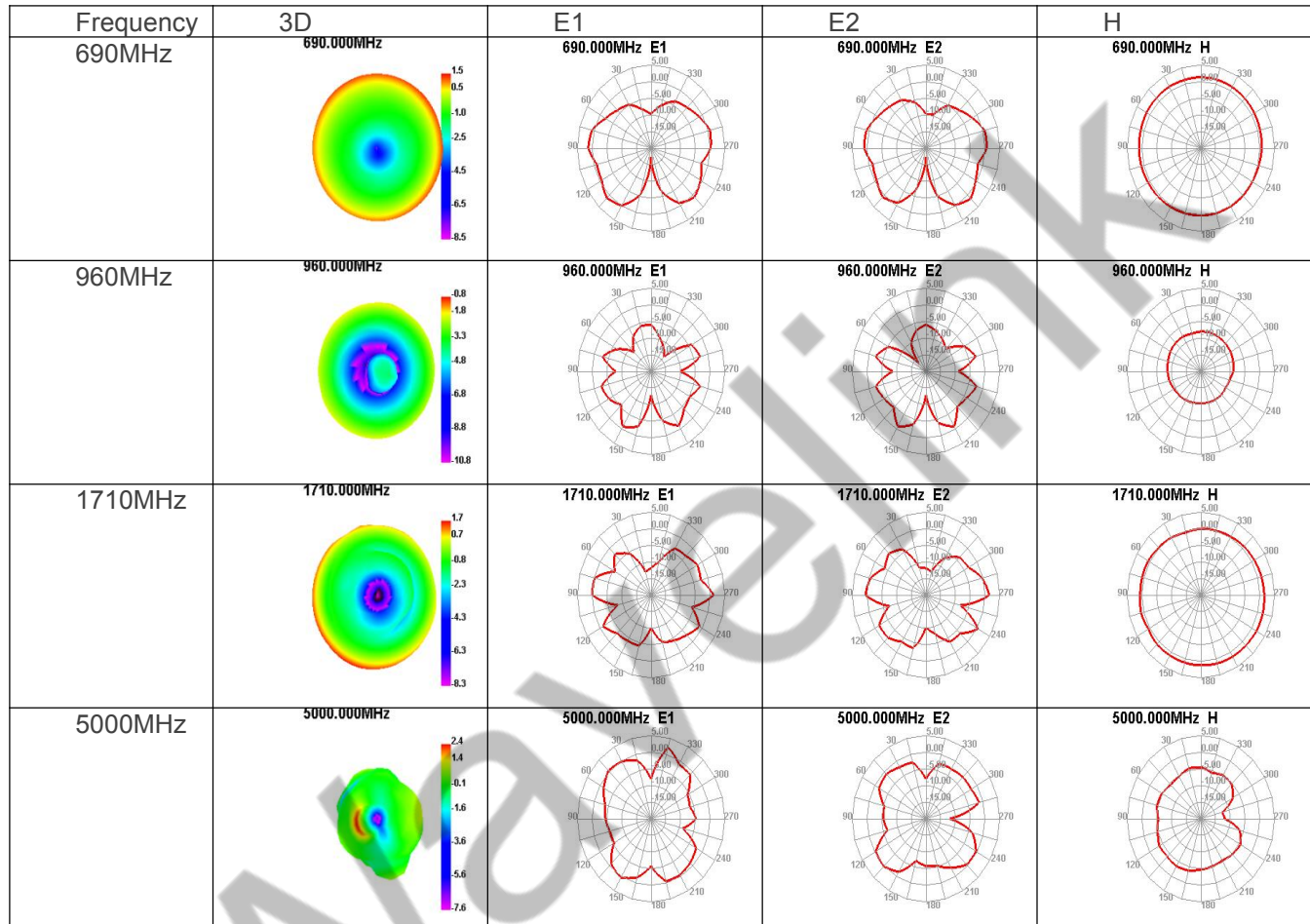
3210	66.45	-1.78	3.41	1.26	3.41	-19.37	1.78	15	48.74	48.77
3220	65.55	-1.83	3.33	1.18	3.33	-21.76	1.83	15	48.7	48.67
3230	72.34	-1.41	3.74	1.59	3.74	-21.66	1.41	30	49.16	49.14
3240	73.2	-1.35	3.8	1.65	3.8	-19.87	1.35	30	49.34	49.32
3250	71.56	-1.45	3.73	1.58	3.73	-19.15	1.45	30	49.18	49.09
3260	64.43	-1.91	3.35	1.2	3.35	-19.03	1.91	30	49.02	48.98
3270	67.78	-1.69	3.6	1.45	3.6	-17.98	1.69	15	49.18	49.11
3280	71.12	-1.48	3.79	1.64	3.79	-17.19	1.48	15	49.36	49.3
3290	64.87	-1.88	3.32	1.17	3.32	-15.94	1.88	15	49.01	48.94
3300	65.19	-1.86	3.26	1.11	3.26	-15.52	1.86	15	48.98	48.93
3310	71.46	-1.46	3.6	1.45	3.6	-15.03	1.46	30	49.34	49.24
3320	73.4	-1.34	3.7	1.55	3.7	-14.57	1.34	30	49.5	49.39
3330	71.29	-1.47	3.51	1.36	3.51	-15.21	1.47	30	49.47	49.31
3340	67.44	-1.71	3.35	1.2	3.35	-15.35	1.71	30	49.16	49.04
3350	80.26	-0.95	4.3	2.15	4.3	-15.55	0.95	30	49.85	49.69
3360	78.42	-1.06	4.33	2.18	4.33	-14.87	1.06	30	49.84	49.68
3370	80.05	-0.97	4.44	2.29	4.44	-15.38	0.97	15	49.7	49.51
3380	83.87	-0.76	4.58	2.43	4.58	-17.44	0.76	15	49.94	49.69
3390	82.68	-0.83	4.41	2.26	4.41	-18.79	0.83	15	49.88	49.71
3400	99.85	-0.01	5.17	3.02	5.17	-18.61	0.01	30	50.33	50.05
3410	86.91	-0.61	4.49	2.34	4.49	-19.77	0.61	30	50.02	49.8
3420	94.11	-0.26	4.76	2.61	4.76	-19.49	0.26	30	50.02	49.7
3430	88.88	-0.51	4.46	2.31	4.46	-18.96	0.51	30	49.91	49.61
3440	88.21	-0.54	4.34	2.19	4.34	-19.93	0.54	30	49.69	49.39
3450	92.88	-0.32	4.49	2.34	4.49	-20.22	0.32	30	49.99	49.71
3460	84.32	-0.74	3.97	1.82	3.97	-19.53	0.74	30	49.69	49.4
3470	98.69	-0.06	4.56	2.41	4.56	-17.02	0.06	30	50.31	49.99
3480	94.52	-0.24	4.28	2.13	4.28	-17.03	0.24	30	50.24	49.97
3490	83.89	-0.76	3.61	1.46	3.61	-17.31	0.76	30	49.83	49.52
3500	91.75	-0.37	3.86	1.71	3.86	-17.65	0.37	30	50.15	49.9
3510	83.6	-0.78	3.32	1.17	3.32	-18.56	0.78	30	49.8	49.53
3520	85.91	-0.66	3.26	1.11	3.26	-19.14	0.66	30	49.92	49.65
3530	85.41	-0.69	3.25	1.1	3.25	-19.5	0.69	30	49.97	49.68
3540	76.71	-1.15	2.89	0.74	2.89	-19.66	1.15	30	49.6	49.39
3550	87.93	-0.56	3.57	1.42	3.57	-18.09	0.56	30	49.98	49.74
3560	85.04	-0.7	3.52	1.37	3.52	-16.75	0.7	30	50.02	49.76
3570	87.81	-0.56	3.7	1.55	3.7	-15.36	0.56	30	49.98	49.78
3580	78.18	-1.07	3.17	1.02	3.17	-16.05	1.07	30	49.7	49.46
3590	82.4	-0.84	3.4	1.25	3.4	-15.44	0.84	30	49.91	49.74
3600	82.37	-0.84	3.35	1.2	3.35	-15.14	0.84	30	49.98	49.77
3610	75.79	-1.2	2.92	0.77	2.92	-15.7	1.2	30	49.76	49.58
3620	72.01	-1.43	2.65	0.5	2.65	-16.61	1.43	30	49.47	49.28
3630	77.78	-1.09	2.97	0.82	2.97	-17.29	1.09	30	49.89	49.73
3640	79.9	-0.97	3.11	0.96	3.11	-17.12	0.97	15	49.87	49.72

3650	78.16	-1.07	3.02	0.87	3.02	-16.58	1.07	15	49.81	49.62
3660	77.38	-1.11	2.94	0.79	2.94	-15.6	1.11	15	49.75	49.6
3670	74.17	-1.3	2.71	0.56	2.71	-14.78	1.3	15	49.57	49.42
3680	78.87	-1.03	2.9	0.75	2.9	-13.64	1.03	15	49.86	49.73
3690	79.59	-0.99	2.85	0.7	2.85	-12.86	0.99	15	49.99	49.9
3700	75.91	-1.2	2.6	0.45	2.6	-12.45	1.2	15	49.65	49.53
3710	77.79	-1.09	2.75	0.6	2.75	-11.45	1.09	15	49.92	49.81
3720	81.29	-0.9	3.06	0.91	3.06	-10.38	0.9	15	50.32	50.26
3730	77.16	-1.13	2.95	0.8	2.95	-10.42	1.13	15	49.92	49.83
3740	72.82	-1.38	2.8	0.65	2.8	-10.4	1.38	15	49.96	49.88
3750	73.8	-1.32	2.89	0.74	2.89	-10.04	1.32	15	49.83	49.72
3760	78.27	-1.06	3.09	0.94	3.09	-9.47	1.06	15	50.34	50.26
3770	74.55	-1.28	2.71	0.56	2.71	-9.29	1.28	15	50.06	49.99
3780	72.6	-1.39	2.38	0.23	2.38	-9.49	1.39	15	50.48	50.41
3790	71.54	-1.45	2.03	-0.12	2.03	-9.83	1.45	15	50.31	50.29
3800	72.59	-1.39	1.94	-0.21	1.94	-9.82	1.39	45	50.69	50.56
3810	71.86	-1.43	2.06	-0.09	2.06	-9.76	1.43	30	51.57	51.57
3820	72.74	-1.38	2.24	0.09	2.24	-9.73	1.38	30	50.58	50.52
3830	65.38	-1.85	1.91	-0.24	1.91	-10.26	1.85	30	50.73	50.67
3840	63.42	-1.98	1.97	-0.18	1.97	-10.52	1.98	30	50.34	50.29
3850	66.98	-1.74	2.37	0.22	2.37	-11.32	1.74	30	50.31	50.24
3860	62.64	-2.03	2.21	0.06	2.21	-13.23	2.03	30	50.29	50.22
3870	64.89	-1.88	2.44	0.29	2.44	-14.32	1.88	30	50.2	50.13
3880	67.56	-1.7	2.63	0.48	2.63	-14.43	1.7	30	50.55	50.48
3890	63.03	-2	2.31	0.16	2.31	-14.21	2	30	50.53	50.39
3900	69.83	-1.56	2.75	0.6	2.75	-13.33	1.56	30	50.9	50.82
3910	58.26	-2.35	1.93	-0.22	1.93	-13.94	2.35	30	50.61	50.51
3920	65.84	-1.82	2.44	0.29	2.44	-13.81	1.82	30	50.8	50.66
3930	66.98	-1.74	2.48	0.33	2.48	-14.48	1.74	30	51.53	51.39
3940	58.24	-2.35	1.82	-0.33	1.82	-15.74	2.35	30	51.07	50.98
3950	60.59	-2.18	2.05	-0.1	2.05	-15.78	2.18	30	50.86	50.72
3960	55.23	-2.58	1.72	-0.43	1.72	-15.68	2.58	30	51.31	51.24
3970	57.54	-2.4	1.93	-0.22	1.93	-14.8	2.4	30	50.92	50.82
3980	58.06	-2.36	1.97	-0.18	1.97	-14.39	2.36	30	51.35	51.18
3990	52.83	-2.77	1.57	-0.58	1.57	-14.12	2.77	30	50.56	50.49
4000	46.89	-3.29	1.13	-1.02	1.13	-14.06	3.29	30	50.53	50.41
4010	53.86	-2.69	1.83	-0.32	1.83	-12.96	2.69	15	50.73	50.66
4020	55.65	-2.54	2.02	-0.13	2.02	-14.76	2.54	15	51.04	50.93
4030	51.7	-2.86	1.7	-0.45	1.7	-16.09	2.86	15	51.19	51.14
4040	47.25	-3.26	1.47	-0.68	1.47	-16.22	3.26	15	50.74	50.67
4050	53.49	-2.72	2.43	0.28	2.43	-15.5	2.72	15	51.62	51.56
4060	47.81	-3.2	2.26	0.11	2.26	-16.83	3.2	15	51.11	51.11
4070	48.49	-3.14	2.43	0.28	2.43	-17.25	3.14	15	51.2	51.1
4080	48.88	-3.11	2.42	0.27	2.42	-17.09	3.11	15	51.11	51.07

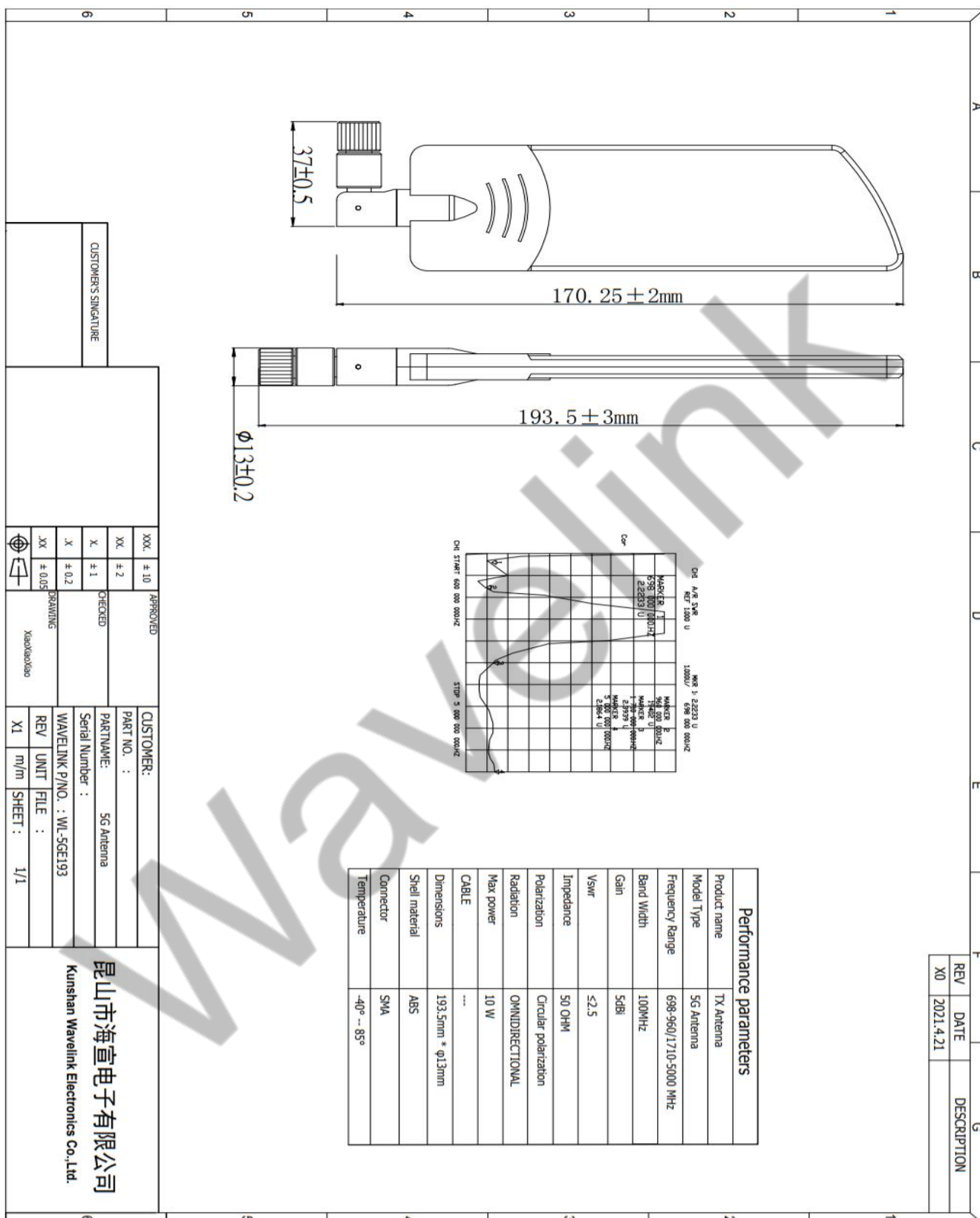
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4100	47.21	-3.26	1.68	-0.47	1.68	-17.38	3.26	0	51.01	50.94
4110	47.36	-3.25	1.48	-0.67	1.48	-15.77	3.25	15	50.77	50.71
4120	48.86	-3.11	1.7	-0.45	1.7	-14.33	3.11	15	50.78	50.71
4130	44.47	-3.52	1.35	-0.8	1.35	-13.45	3.52	15	50.77	50.68
4140	53.3	-2.73	2.18	0.03	2.18	-15.04	2.73	15	51.63	51.54
4150	51.49	-2.88	2.1	-0.05	2.1	-18.5	2.88	15	51.11	51.04
4160	46.77	-3.3	1.77	-0.38	1.77	-22.09	3.3	15	50.83	50.74
4170	50.39	-2.98	2.24	0.09	2.24	-23.65	2.98	15	50.79	50.69
4180	49.96	-3.01	2.36	0.21	2.36	-21.02	3.01	15	50.7	50.65
4190	47.61	-3.22	2.34	0.19	2.34	-18.15	3.22	15	50.71	50.63
4200	51.05	-2.92	2.76	0.61	2.76	-15.85	2.92	15	50.98	50.89
4210	50.06	-3.01	2.73	0.58	2.73	-13.85	3.01	15	50.95	50.91
4220	54.72	-2.62	3.1	0.95	3.1	-11.66	2.62	15	51.54	51.45
4230	46.52	-3.32	2.33	0.18	2.33	-12.86	3.32	15	51.3	51.26
4240	55.29	-2.57	3.01	0.86	3.01	-12.48	2.57	15	51.41	51.41
4250	45.87	-3.38	2.1	-0.05	2.1	-13.69	3.38	15	51.11	51.09
4260	49.58	-3.05	2.34	0.19	2.34	-13.8	3.05	15	51.35	51.3
4270	59.46	-2.26	3.04	0.89	3.04	-13.73	2.26	15	51.74	51.75
4280	46.04	-3.37	1.9	-0.25	1.9	-15.27	3.37	15	51.32	51.32
4290	49.54	-3.05	2.06	-0.09	2.06	-14.53	3.05	15	51.41	51.41
4300	49.15	-3.08	1.84	-0.31	1.84	-13.83	3.08	15	51.19	51.28
4310	51.54	-2.88	1.74	-0.41	1.74	-14.09	2.88	15	51.51	51.48
4320	54.79	-2.61	1.61	-0.54	1.61	-13.64	2.61	15	51.4	51.48
4330	50.5	-2.97	0.87	-1.28	0.87	-14.79	2.97	15	51.3	51.35
4340	53.73	-2.7	1.14	-1.01	1.14	-15.87	2.7	15	51.28	51.39
4350	48.9	-3.11	0.93	-1.22	0.93	-16.56	3.11	0	51.19	51.22
4360	53.43	-2.72	1.57	-0.58	1.57	-15.31	2.72	0	51.72	51.81
4370	58.31	-2.34	2.2	0.05	2.2	-13.61	2.34	0	51.66	51.74
4380	55.29	-2.57	2.29	0.14	2.29	-12.65	2.57	0	52.43	52.43
4390	58.47	-2.33	2.79	0.64	2.79	-13	2.33	0	51.75	51.93
4400	53.76	-2.7	2.65	0.5	2.65	-13.49	2.7	0	51.7	51.7
4410	57.23	-2.42	3.15	1	3.15	-13.38	2.42	0	51.48	51.61
4420	56.64	-2.47	3.22	1.07	3.22	-13.56	2.47	0	51.13	51.2
4430	57.84	-2.38	3.41	1.26	3.41	-13.76	2.38	0	51.33	51.38
4440	61.26	-2.13	3.72	1.57	3.72	-13.87	2.13	0	51.58	51.63
4450	58.65	-2.32	3.57	1.42	3.57	-14.89	2.32	0	51.7	51.67
4460	55.99	-2.52	3.41	1.26	3.41	-15.7	2.52	0	51.21	51.24
4470	51.78	-2.86	3.11	0.96	3.11	-16.17	2.86	0	51.77	51.68
4480	55.58	-2.55	3.47	1.32	3.47	-15.19	2.55	15	51.16	51.18
4490	57.29	-2.42	3.59	1.44	3.59	-14.03	2.42	15	51.41	51.39
4500	57.01	-2.44	3.51	1.36	3.51	-14.53	2.44	15	51.55	51.48
4510	58.66	-2.32	3.51	1.36	3.51	-14.71	2.32	15	51.36	51.37
4520	57.36	-2.41	3.27	1.12	3.27	-16.75	2.41	15	51.46	51.41

4530	60.45	-2.19	3.35	1.2	3.35	-19.5	2.19	15	51.49	51.48
4540	62.14	-2.07	3.3	1.15	3.3	-19.23	2.07	15	51.4	51.42
4550	67.6	-1.7	3.52	1.37	3.52	-16.11	1.7	15	51.88	51.86
4560	62.96	-2.01	3.12	0.97	3.12	-16.52	2.01	15	51.9	51.92
4570	64.19	-1.93	3.1	0.95	3.1	-17.14	1.93	15	51.56	51.6
4580	69.57	-1.58	3.36	1.21	3.36	-17.46	1.58	15	51.8	51.84
4590	65.26	-1.85	3.13	0.98	3.13	-18.72	1.85	15	51.58	51.64
4600	65.44	-1.84	3.23	1.08	3.23	-20.6	1.84	15	51.28	51.32
4610	64.17	-1.93	3.28	1.13	3.28	-22.39	1.93	30	51.3	51.43
4620	61.33	-2.12	3.2	1.05	3.2	-23.09	2.12	30	51.42	51.46
4630	64.38	-1.91	3.5	1.35	3.5	-21.69	1.91	30	51.53	51.67
4640	58.54	-2.33	3.23	1.08	3.23	-19.55	2.33	15	51.32	51.43
4650	61.7	-2.1	3.65	1.5	3.65	-16.72	2.1	15	51.38	51.46
4660	57.9	-2.37	3.57	1.42	3.57	-15.74	2.37	15	51.12	51.3
4670	59.32	-2.27	3.88	1.73	3.88	-16.26	2.27	15	51.11	51.26
4680	59.43	-2.26	4.08	1.93	4.08	-17.11	2.26	15	51.55	51.67
4690	56.41	-2.49	4.03	1.88	4.03	-17.73	2.49	15	51.42	51.56
4700	60.31	-2.2	4.53	2.38	4.53	-18.47	2.2	15	51.45	51.61
4710	58.33	-2.34	4.5	2.35	4.5	-19.74	2.34	15	51.97	52.07
4720	57.92	-2.37	4.61	2.46	4.61	-19.23	2.37	15	51.6	51.79
4730	58.07	-2.36	4.74	2.59	4.74	-19.8	2.36	15	51.57	51.66
4740	59.33	-2.27	4.84	2.69	4.84	-19.91	2.27	15	51.6	51.72
4750	58.48	-2.33	4.83	2.68	4.83	-23.41	2.33	15	51.39	51.45
4760	60.95	-2.15	4.99	2.84	4.99	-26.9	2.15	15	51.46	51.64
4770	57.8	-2.38	4.74	2.59	4.74	-24.81	2.38	15	51.44	51.49
4780	66.74	-1.76	5.26	3.11	5.26	-24.37	1.76	15	52.06	52.11
4790	63.69	-1.96	4.97	2.82	4.97	-22.76	1.96	15	51.81	51.93
4800	66.84	-1.75	5.05	2.9	5.05	-19.13	1.75	15	52.39	52.32
4810	61.4	-2.12	4.57	2.42	4.57	-17.54	2.12	15	51.73	51.86
4820	55.62	-2.55	4	1.85	4	-17.03	2.55	15	51.56	51.53
4830	60.41	-2.19	4.21	2.06	4.21	-15.98	2.19	15	51.54	51.59
4840	60.65	-2.17	4.06	1.91	4.06	-14.84	2.17	15	51.85	51.89
4850	58.86	-2.3	3.74	1.59	3.74	-13.67	2.3	15	51.61	51.66
4860	59.68	-2.24	3.67	1.52	3.67	-12.42	2.24	15	51.68	51.71
4870	60.59	-2.18	3.6	1.45	3.6	-11.64	2.18	15	51.93	51.9
4880	54.79	-2.61	3.03	0.88	3.03	-12.34	2.61	15	51.63	51.74
4890	53.8	-2.69	2.83	0.68	2.83	-12.6	2.69	15	51.67	51.69
4900	56.92	-2.45	2.95	0.8	2.95	-12.73	2.45	15	51.87	51.94
4910	51.62	-2.87	2.42	0.27	2.42	-13.33	2.87	15	51.57	51.69
4920	50.25	-2.99	2.21	0.06	2.21	-13.78	2.99	0	51.64	51.72
4930	54.72	-2.62	2.51	0.36	2.51	-13.89	2.62	0	51.9	52.03
4940	46.86	-3.29	1.78	-0.37	1.78	-15.24	3.29	0	51.49	51.67
4950	53.92	-2.68	2.31	0.16	2.31	-15.04	2.68	0	51.87	52.01
4960	53.61	-2.71	2.21	0.06	2.21	-14.98	2.71	0	51.76	51.93

4970	51.72	-2.86	1.97	-0.18	1.97	-14.67	2.86	0	51.93	52.18
4980	47.98	-3.19	1.59	-0.56	1.59	-14.22	3.19	0	51.64	51.87
4990	56.63	-2.47	2.42	0.27	2.42	-12.78	2.47	0	52.18	52.41
5000	55.22	-2.58	2.41	0.26	2.41	-12.44	2.58	0	52.14	52.37



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 8the 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.