

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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1 Product Description

This wavelink antenna covers 5250-5800MHz.

2 Product Features

Easy to install
High efficiency
Removable



3 Product Specifications

Passive Electrical Specifications

Frequency Range	5250-5800MHz
Input Impedance	50 Ω
VSWR	< 3

Gain ≤6 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 260 mm ×20 mm

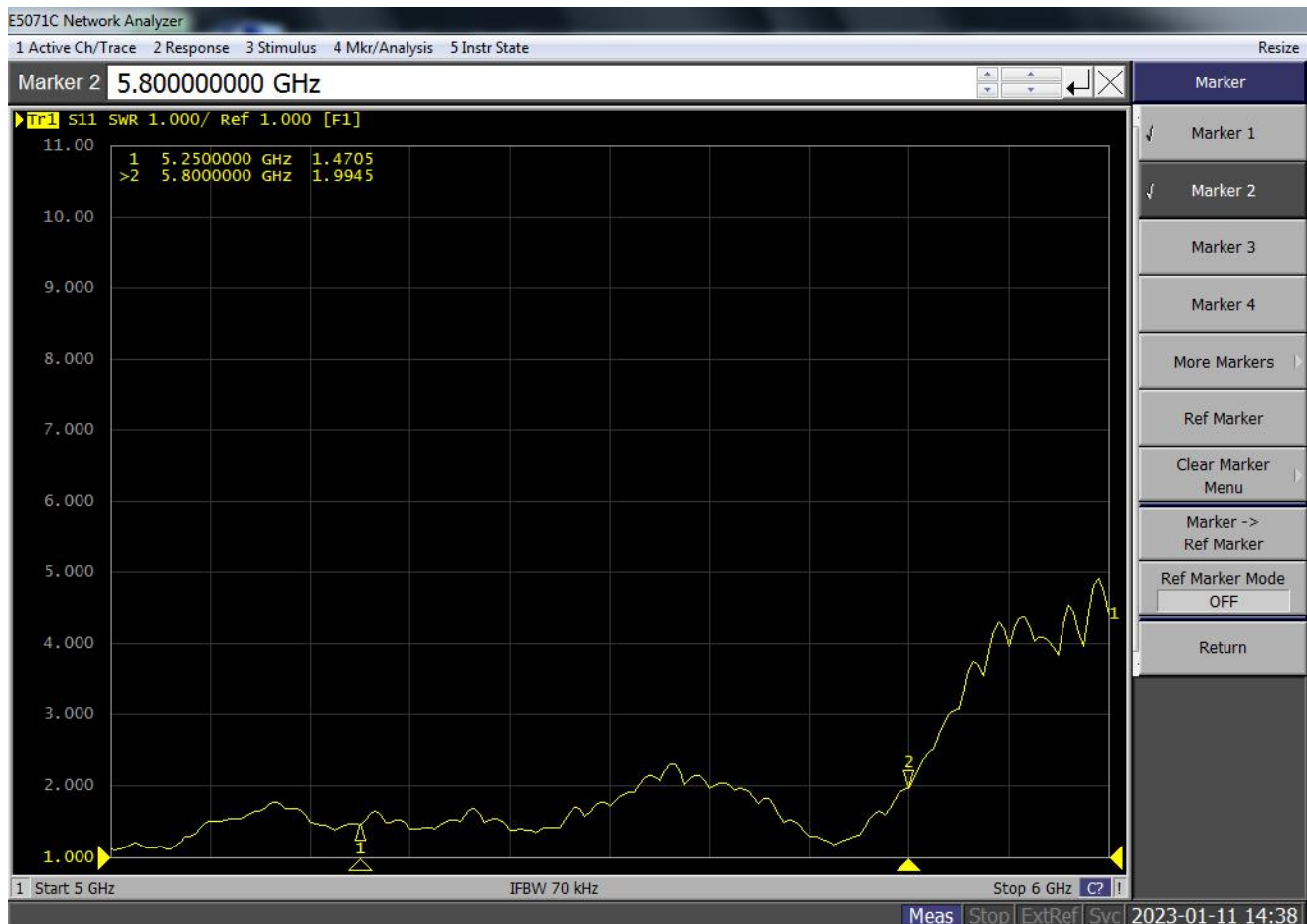
Connector Type N Male

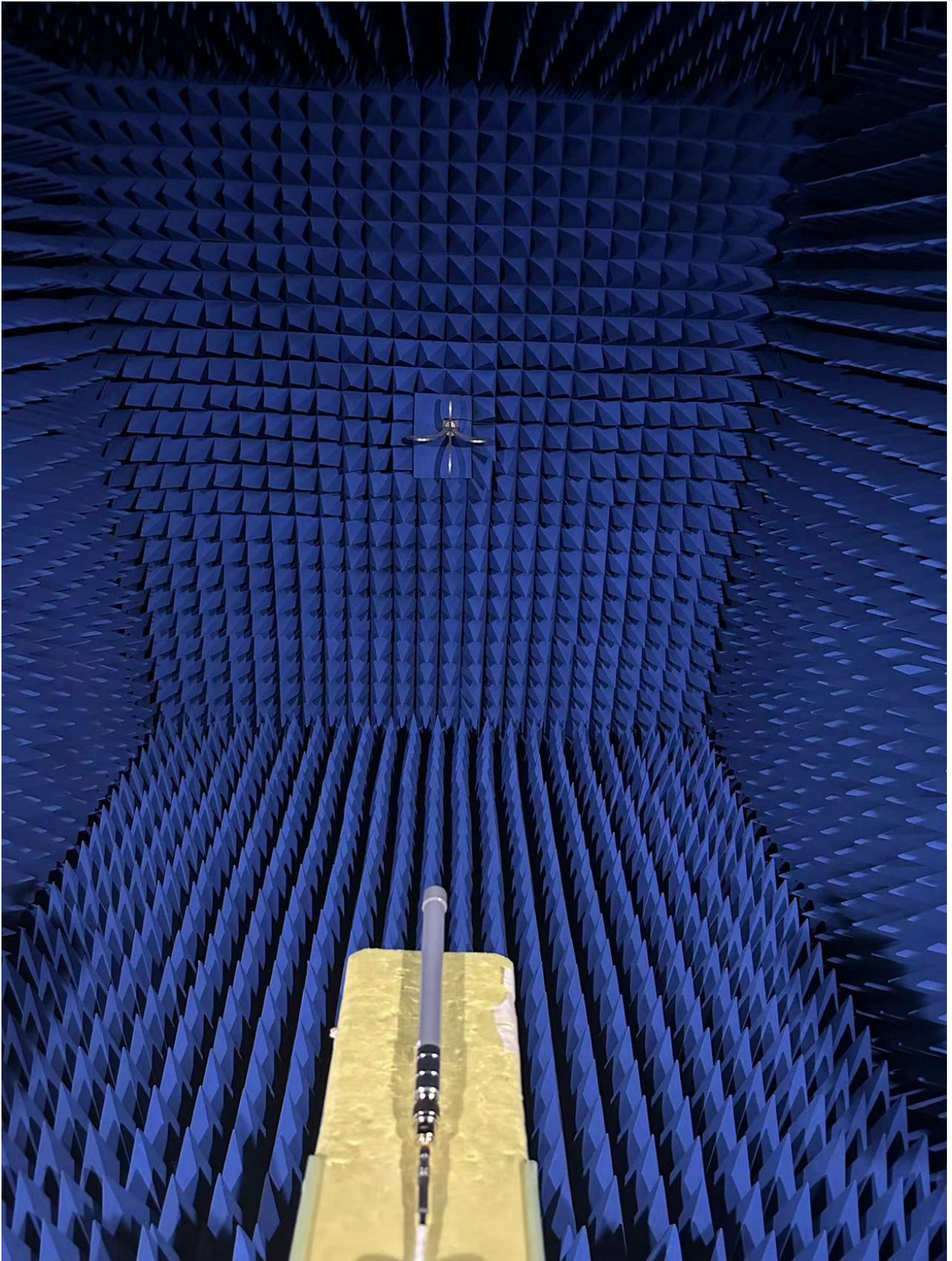
Working Temperature -40 °C to +85 °C

Radome Color Gray

4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

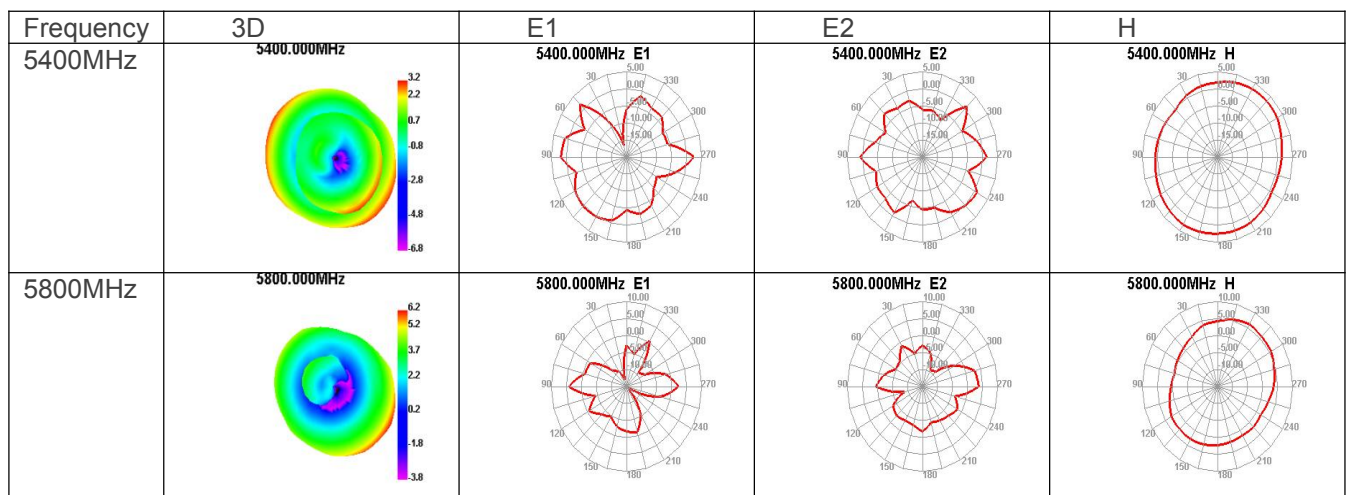




Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
5250	48.54	-3.14	3.64	1.49	3.64	-18.19	3.14	52.27	52.3
5255	49.22	-3.08	3.6	1.45	3.6	-18.28	3.08	52.5	52.48
5260	51.84	-2.85	3.74	1.59	3.74	-17.67	2.85	52.58	52.56
5265	49.94	-3.02	3.48	1.33	3.48	-17.46	3.02	52.47	52.59
5270	50.4	-2.98	3.4	1.25	3.4	-17.58	2.98	52.68	52.73
5275	54.65	-2.62	3.62	1.47	3.62	-17.41	2.62	52.86	52.86
5280	54.46	-2.64	3.46	1.31	3.46	-17.15	2.64	52.54	52.75
5285	55.8	-2.53	3.42	1.27	3.42	-17.22	2.53	52.55	52.67
5290	58.61	-2.32	3.5	1.35	3.5	-17.08	2.32	52.86	52.77
5295	56.79	-2.46	3.21	1.06	3.21	-17.16	2.46	52.79	52.9
5300	55.6	-2.55	2.96	0.81	2.96	-17.32	2.55	52.57	52.74
5305	57.56	-2.4	2.99	0.84	2.99	-17.04	2.4	52.57	52.61
5310	57.54	-2.4	2.87	0.72	2.87	-16.94	2.4	52.64	52.76
5315	59.56	-2.25	2.89	0.74	2.89	-16.49	2.25	52.86	53
5320	62.42	-2.05	3	0.85	3	-16.13	2.05	53.01	53.1
5325	61.74	-2.09	2.86	0.71	2.86	-15.86	2.09	52.89	53.15
5330	60.65	-2.17	2.71	0.56	2.71	-15.79	2.17	52.84	53.07
5335	61.14	-2.14	2.82	0.67	2.82	-15.83	2.14	52.92	52.98
5340	62.43	-2.05	2.94	0.79	2.94	-15.68	2.05	52.93	53.13
5345	64.16	-1.93	3.09	0.94	3.09	-15.81	1.93	53.03	53.24
5350	64.35	-1.91	3.12	0.97	3.12	-16.01	1.91	53.1	53.18
5355	63.59	-1.97	3.06	0.91	3.06	-16.44	1.97	52.95	53.18
5360	65.69	-1.82	3.16	1.01	3.16	-16.51	1.82	53.07	53.26
5365	65.63	-1.83	3.09	0.94	3.09	-16.97	1.83	53.2	53.23
5370	64.74	-1.89	2.97	0.82	2.97	-17.29	1.89	53.05	53.27
5375	65.63	-1.83	2.98	0.83	2.98	-17.21	1.83	53.05	53.32
5380	63.87	-1.95	2.77	0.62	2.77	-17.64	1.95	53.13	53.16
5385	60.2	-2.2	2.45	0.3	2.45	-17.7	2.2	52.89	52.95
5390	59.68	-2.24	2.31	0.16	2.31	-17.92	2.24	52.63	52.77
5395	67.36	-1.72	2.76	0.61	2.76	-17.58	1.72	53.08	53.22
5400	72.93	-1.37	3.15	1	3.15	-17.23	1.37	53.43	53.58
5405	73.71	-1.32	3.25	1.1	3.25	-17.57	1.32	53.47	53.53
5410	74.76	-1.26	3.36	1.21	3.36	-17.47	1.26	53.54	53.62
5415	73.2	-1.35	3.33	1.18	3.33	-17.71	1.35	53.41	53.61
5420	72.29	-1.41	3.28	1.13	3.28	-17.6	1.41	53.45	53.52
5425	72.97	-1.37	3.36	1.21	3.36	-17.26	1.37	53.59	53.63
5430	73.65	-1.33	3.46	1.31	3.46	-17.02	1.33	53.6	53.75
5435	72.77	-1.38	3.5	1.35	3.5	-16.88	1.38	53.77	53.72
5440	71.58	-1.45	3.54	1.39	3.54	-16.69	1.45	53.9	53.8
5445	73.93	-1.31	3.78	1.63	3.78	-16.09	1.31	53.81	53.98
5450	73.3	-1.35	3.87	1.72	3.87	-15.77	1.35	53.96	53.96
5455	70.83	-1.5	3.82	1.67	3.82	-15.71	1.5	54.29	54.11

5460	73.93	-1.31	4.13	1.98	4.13	-15.14	1.31	54.16	54.21
5465	75.17	-1.24	4.33	2.18	4.33	-14.78	1.24	53.88	53.95
5470	70.12	-1.54	4.12	1.97	4.12	-14.84	1.54	53.92	53.79
5475	72.05	-1.42	4.34	2.19	4.34	-14.6	1.42	53.94	53.91
5480	75.66	-1.21	4.68	2.53	4.68	-14.18	1.21	53.84	53.78
5485	72.2	-1.41	4.57	2.42	4.57	-13.97	1.41	53.87	53.75
5490	73.12	-1.36	4.73	2.58	4.73	-13.76	1.36	53.87	53.89
5495	75.53	-1.22	4.96	2.81	4.96	-13.25	1.22	53.89	53.86
5500	67.81	-1.69	4.57	2.42	4.57	-13.6	1.69	53.87	53.76
5505	65.46	-1.84	4.49	2.34	4.49	-13.39	1.84	53.74	53.76
5510	70.91	-1.49	4.9	2.75	4.9	-12.91	1.49	53.73	53.72
5515	69.62	-1.57	4.88	2.73	4.88	-13.09	1.57	53.75	53.73
5520	66.91	-1.74	4.75	2.6	4.75	-13.32	1.74	53.63	53.68
5525	71.13	-1.48	5.09	2.94	5.09	-12.91	1.48	53.78	53.72
5530	72.92	-1.37	5.24	3.09	5.24	-12.89	1.37	53.99	53.91
5535	68.6	-1.64	5.02	2.87	5.02	-13.08	1.64	53.78	53.85
5540	66.73	-1.76	4.96	2.81	4.96	-13.23	1.76	53.7	53.69
5545	69.68	-1.57	5.17	3.02	5.17	-12.83	1.57	53.94	53.88
5550	68.97	-1.61	5.18	3.03	5.18	-12.71	1.61	53.94	53.98
5555	63.2	-1.99	4.84	2.69	4.84	-12.99	1.99	53.85	53.85
5560	64.54	-1.9	4.94	2.79	4.94	-12.65	1.9	53.96	54.02
5565	67.51	-1.71	5.17	3.02	5.17	-12.39	1.71	53.93	54.03
5570	63.79	-1.95	4.94	2.79	4.94	-13.07	1.95	54.05	53.98
5575	68.39	-1.65	5.24	3.09	5.24	-13.13	1.65	54.47	54.49
5580	74.37	-1.29	5.6	3.45	5.6	-13.25	1.29	54.53	54.71
5585	63.1	-2	4.91	2.76	4.91	-14.44	2	54.31	54.31
5590	58.5	-2.33	4.57	2.42	4.57	-15.44	2.33	54.27	54.3
5595	67.22	-1.72	5.16	3.01	5.16	-15.06	1.72	54.35	54.54
5600	62.51	-2.04	4.82	2.67	4.82	-15.98	2.04	54.33	54.33
5605	55.54	-2.55	4.29	2.14	4.29	-16.7	2.55	54.3	54.36
5610	58.86	-2.3	4.52	2.37	4.52	-16.8	2.3	54.14	54.42
5615	57	-2.44	4.36	2.21	4.36	-17.31	2.44	54.03	54.09
5620	52.99	-2.76	4	1.85	4	-17.7	2.76	54.12	54.07
5625	54.92	-2.6	4.13	1.98	4.13	-17.72	2.6	54.01	54.2
5630	54.91	-2.6	4.07	1.92	4.07	-17.77	2.6	53.81	53.96
5635	54.7	-2.62	4.03	1.88	4.03	-18.24	2.62	53.89	53.89
5640	56.81	-2.46	4.13	1.98	4.13	-18.1	2.46	53.97	54.06
5645	55.38	-2.57	3.96	1.81	3.96	-18.3	2.57	53.95	54.03
5650	53.75	-2.7	3.75	1.6	3.75	-18.74	2.7	53.97	54.04
5655	52.59	-2.79	3.62	1.47	3.62	-18.9	2.79	53.96	54.12
5660	50.22	-2.99	3.37	1.22	3.37	-19.2	2.99	53.91	53.96
5665	51.66	-2.87	3.52	1.37	3.52	-19.37	2.87	53.93	53.97
5670	51.4	-2.89	3.57	1.42	3.57	-19.56	2.89	53.95	54.04
5675	48.66	-3.13	3.36	1.21	3.36	-19.81	3.13	54.01	54.03

5680	52.97	-2.76	3.78	1.63	3.78	-19.76	2.76	54.11	54.19
5685	57.01	-2.44	4.15	2	4.15	-19.63	2.44	54.1	54.23
5690	53.05	-2.75	3.89	1.74	3.89	-19.92	2.75	54.12	54.05
5695	53.85	-2.69	3.98	1.83	3.98	-19.76	2.69	54.15	54.19
5700	55.48	-2.56	4.15	2	4.15	-19.24	2.56	54.07	54.28
5705	52.28	-2.82	3.95	1.8	3.95	-19.31	2.82	54.07	54.05
5710	53.7	-2.7	4.12	1.97	4.12	-18.92	2.7	54.1	54.06
5715	55.4	-2.56	4.32	2.17	4.32	-18.89	2.56	54.07	54.16
5720	53.12	-2.75	4.22	2.07	4.22	-18.85	2.75	54.12	54.09
5725	55.69	-2.54	4.49	2.34	4.49	-18.37	2.54	54.22	54.22
5730	58	-2.37	4.73	2.58	4.73	-18.25	2.37	54.19	54.3
5735	57.89	-2.37	4.81	2.66	4.81	-18.1	2.37	54.31	54.21
5740	62.49	-2.04	5.18	3.03	5.18	-17.83	2.04	54.46	54.39
5745	63.59	-1.97	5.33	3.18	5.33	-18.08	1.97	54.34	54.46
5750	61.4	-2.12	5.22	3.07	5.22	-18.49	2.12	54.33	54.22
5755	62.38	-2.05	5.35	3.2	5.35	-18.96	2.05	54.4	54.23
5760	59.2	-2.28	5.16	3.01	5.16	-19.13	2.28	54.29	54.29
5765	58.37	-2.34	5.12	2.97	5.12	-19.19	2.34	54.38	54.23
5770	64.32	-1.92	5.57	3.42	5.57	-18.95	1.92	54.53	54.36
5775	62.63	-2.03	5.51	3.36	5.51	-19.41	2.03	54.42	54.45
5780	60.03	-2.22	5.37	3.22	5.37	-19.02	2.22	54.48	54.35
5785	65.47	-1.84	5.77	3.62	5.77	-18.64	1.84	54.65	54.39
5790	66.25	-1.79	5.86	3.71	5.86	-18.02	1.79	54.4	54.34
5795	64.92	-1.88	5.83	3.68	5.83	-18.08	1.88	54.28	54.21
5800	69.77	-1.56	6.18	4.03	6.18	-17.35	1.56	54.54	54.37



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.