

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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 **HUAWEI**

 **VVDN**
TECHNOLOGIES

Tenda Infinova

dji

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JABIL

Catalogue

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1 Product Description

This wavelink antenna covers WiFi2.4 and WiFi5.8.

2 Product Features

Easy to install
High efficiency
Removable





苏州海宣电子科技有限公司

Suzhou Wavelink Electronics Technology Co.,Ltd

3 Product Specifications

Passive Electrical Specifications

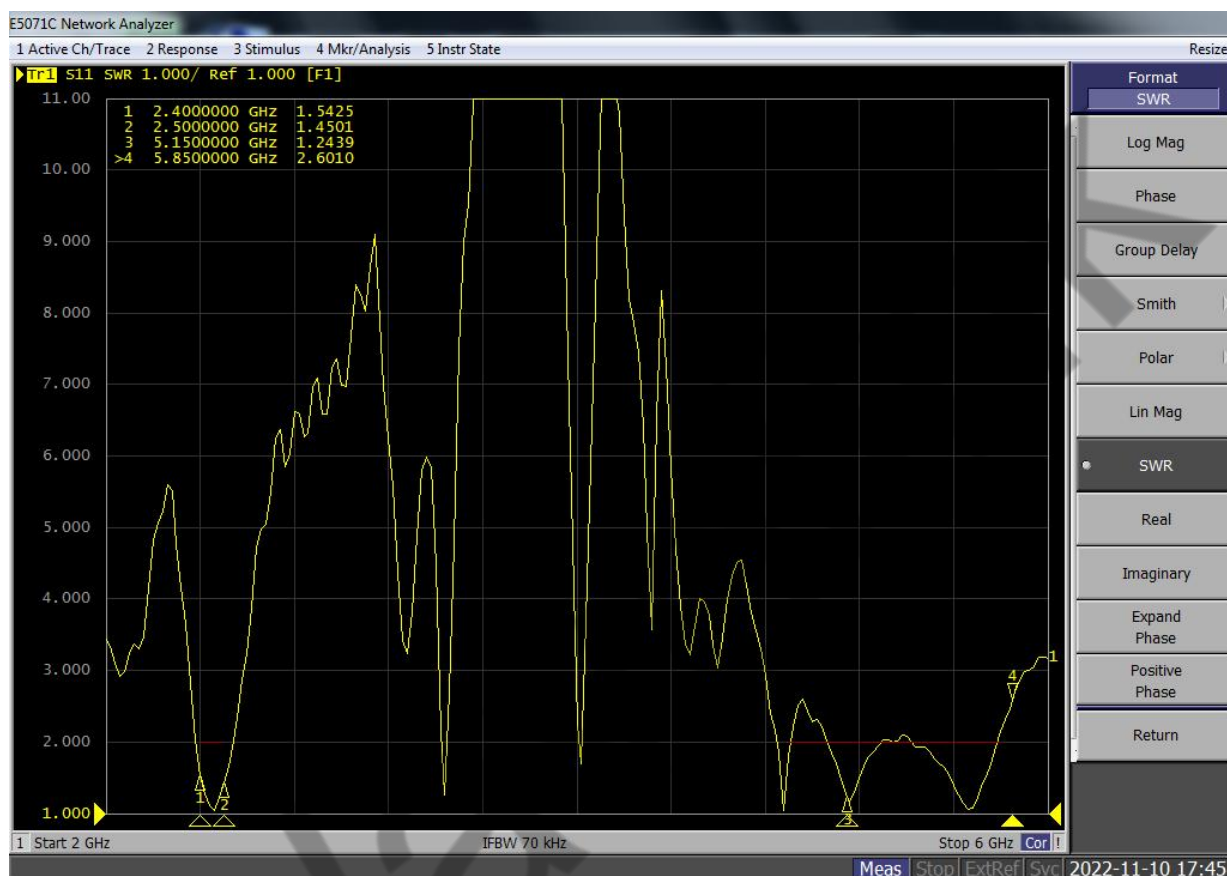
Frequency Range	2400-2500 MHz 5150-5850MHz
Input Impedance	50 Ω
VSWR	≤ 3
Gain	≤ 5 dBi
Polarization Type	Linear

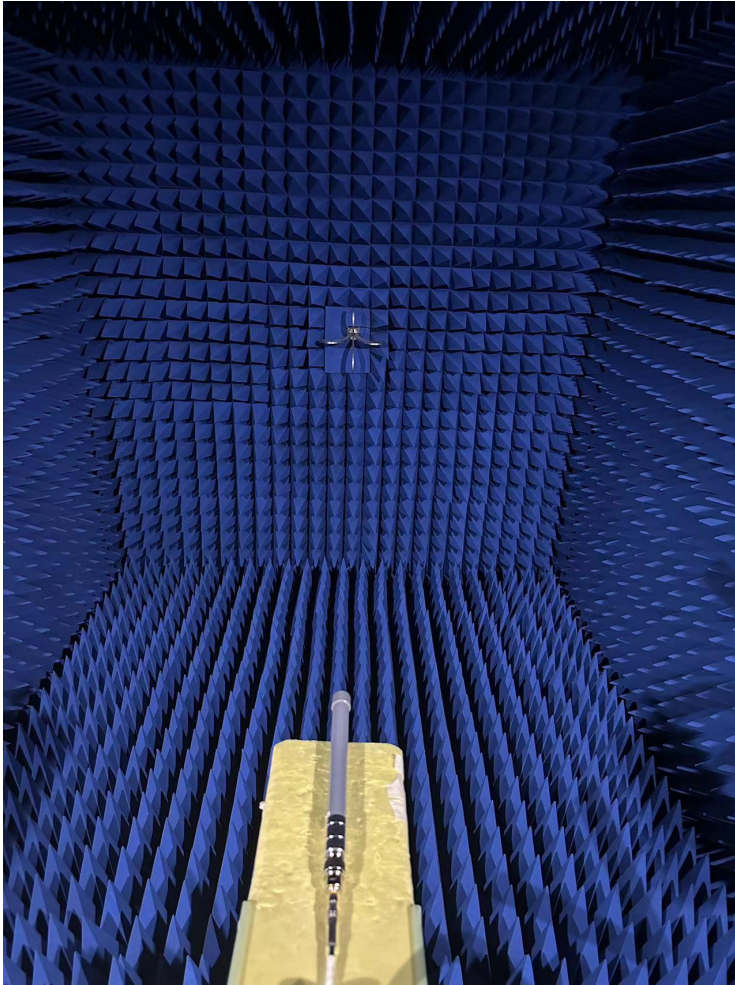
Mechanical Specifications

Antenna Size	275 mm $\times$ 20 mm
Casing	PCB
Connector Type	N Male
Working Temperature	-40 $^{\circ}$ C to +85 $^{\circ}$ C
Radome Color	Grey

4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

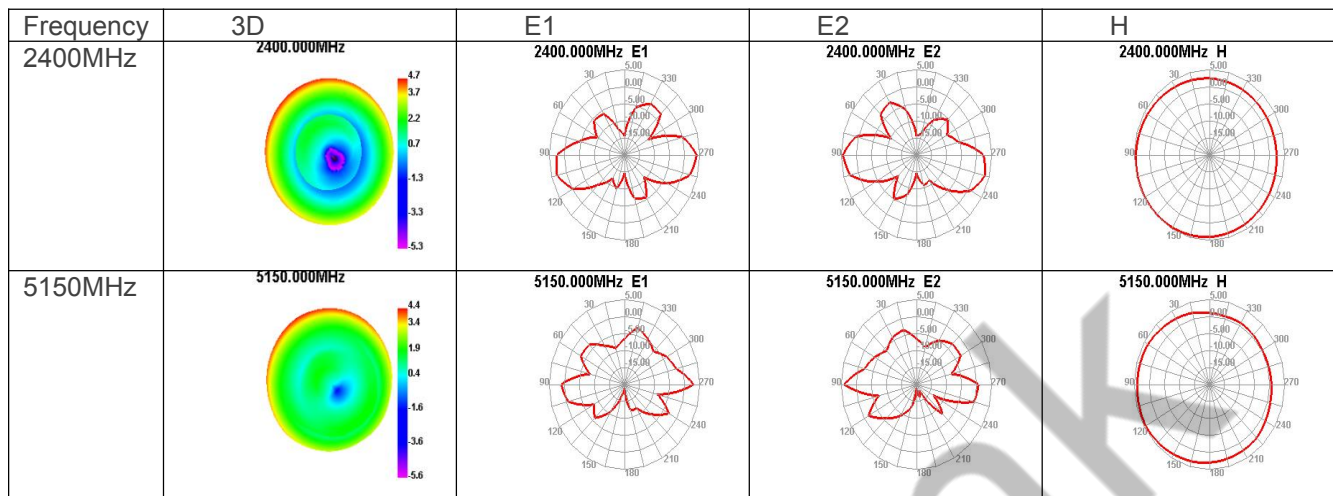




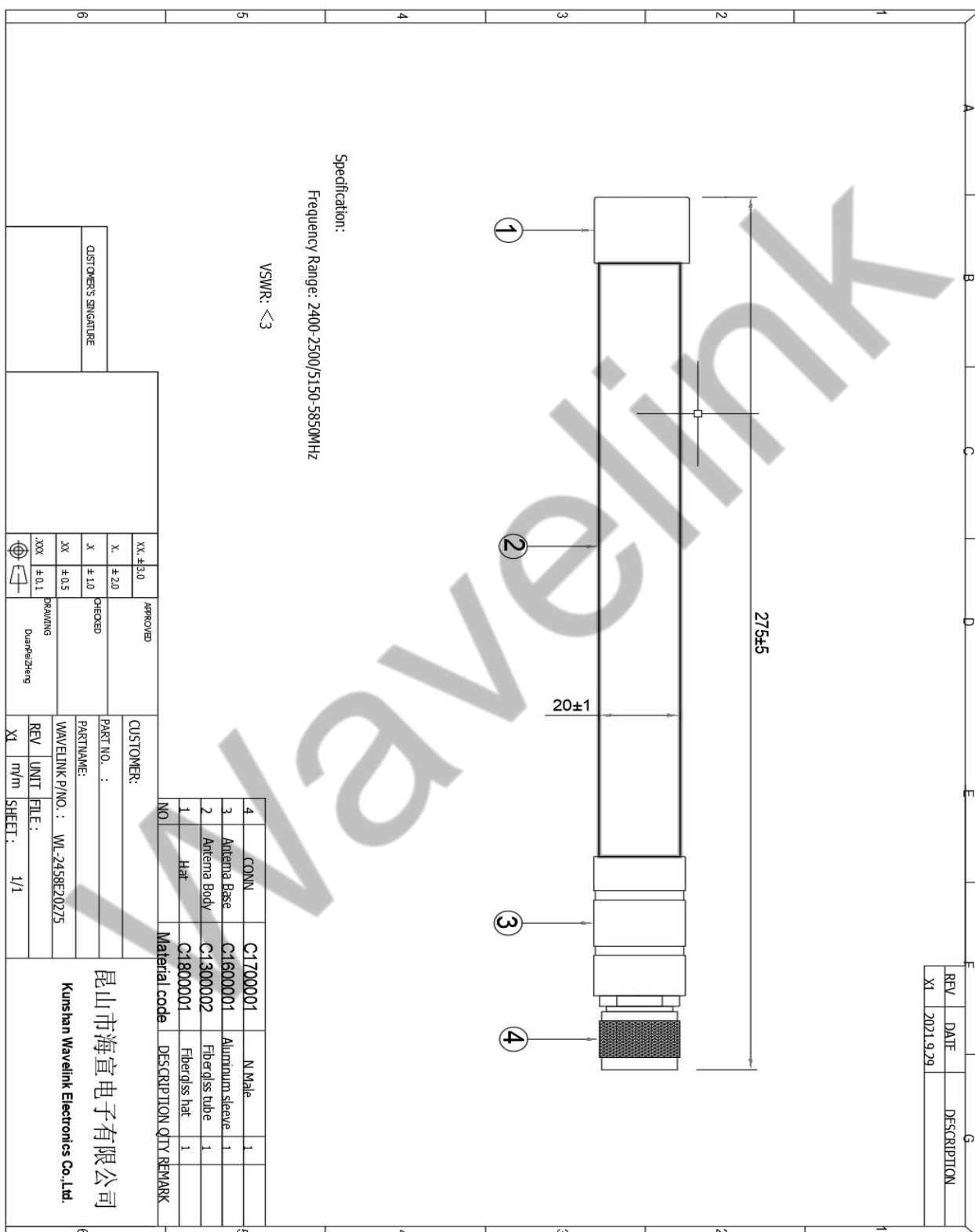
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
2400	82.56	-0.83	4.74	2.59	4.74	-19.98	0.83	46.78	46.66
2410	81.04	-0.91	4.62	2.47	4.62	-20.33	0.91	46.54	46.47
2420	77.55	-1.1	4.39	2.24	4.39	-21.96	1.1	46.78	46.77
2430	78.07	-1.08	4.39	2.24	4.39	-24.47	1.08	46.65	46.52
2440	77.89	-1.09	4.34	2.19	4.34	-31.55	1.09	46.79	46.73
2450	78.14	-1.07	4.29	2.14	4.29	-33.42	1.07	46.92	46.83
2460	77.59	-1.1	4.17	2.02	4.17	-27.04	1.1	47.02	46.93
2470	73.34	-1.35	3.84	1.69	3.84	-24.07	1.35	46.82	46.7
2480	75.33	-1.23	3.87	1.72	3.87	-21.11	1.23	47.15	47.03
2490	76.81	-1.15	3.87	1.72	3.87	-19.67	1.15	47.25	47.04
2500	69.41	-1.59	3.41	1.26	3.41	-18.38	1.59	47.08	46.9

5150	53.83	-2.69	4.44	2.29	4.44	-24.08	2.69	52.43	52.34
5160	49.38	-3.06	4.08	1.93	4.08	-26.12	3.06	52.12	52.18
5170	47.39	-3.24	3.9	1.75	3.9	-24.12	3.24	52.6	52.46
5180	48.18	-3.17	3.93	1.78	3.93	-21.71	3.17	52.05	52.05
5190	43.35	-3.63	3.42	1.27	3.42	-20.42	3.63	52.18	52.17
5200	49.19	-3.08	3.89	1.74	3.89	-18.74	3.08	52.5	52.27
5210	43.17	-3.65	3.27	1.12	3.27	-18.55	3.65	52.27	52.38
5220	41.3	-3.84	3.02	0.87	3.02	-18.75	3.84	52.4	52.27
5230	43.44	-3.62	3.16	1.01	3.16	-18.66	3.62	52.24	52.27
5240	39.7	-4.01	2.69	0.54	2.69	-19.24	4.01	52.38	52.3
5250	43.11	-3.65	2.96	0.81	2.96	-19.56	3.65	52.27	52.3
5260	41.71	-3.8	2.72	0.57	2.72	-20.33	3.8	52.58	52.56
5270	38.88	-4.1	2.33	0.18	2.33	-21.48	4.1	52.68	52.73
5280	41.83	-3.79	2.53	0.38	2.53	-21.71	3.79	52.54	52.75
5290	44.14	-3.55	2.68	0.53	2.68	-22.11	3.55	52.86	52.77
5300	40.43	-3.93	2.2	0.05	2.2	-23.57	3.93	52.57	52.74
5310	43.57	-3.61	2.4	0.25	2.4	-25.39	3.61	52.64	52.76
5320	44.09	-3.56	2.33	0.18	2.33	-28.17	3.56	53.01	53.1
5330	42.2	-3.75	2	-0.15	2	-31.32	3.75	52.84	53.07
5340	47.23	-3.26	2.38	0.23	2.38	-30.9	3.26	52.93	53.13
5350	47.28	-3.25	2.26	0.11	2.26	-27.5	3.25	53.1	53.18
5360	48.55	-3.14	2.24	0.09	2.24	-24.48	3.14	53.07	53.26
5370	50.47	-2.97	2.29	0.14	2.29	-23.03	2.97	53.05	53.27
5380	46.83	-3.29	1.87	-0.28	1.87	-22.96	3.29	53.13	53.16
5390	46.24	-3.35	1.7	-0.45	1.7	-22.31	3.35	52.63	52.77
5400	58.54	-2.33	2.59	0.44	2.59	-20.16	2.33	53.43	53.58
5410	62.29	-2.06	2.72	0.57	2.72	-18.98	2.06	53.54	53.62
5420	60.4	-2.19	2.45	0.3	2.45	-18.69	2.19	53.45	53.52
5430	61.24	-2.13	2.35	0.2	2.35	-18.32	2.13	53.6	53.75
5440	64.43	-1.91	2.49	0.34	2.49	-17.73	1.91	53.9	53.8
5450	62.58	-2.04	2.33	0.18	2.33	-17.89	2.04	53.96	53.96
5460	70.32	-1.53	2.81	0.66	2.81	-17.18	1.53	54.16	54.21
5470	65.42	-1.84	2.49	0.34	2.49	-17.02	1.84	53.92	53.79
5480	67.95	-1.68	2.63	0.48	2.63	-16.02	1.68	53.84	53.78
5490	70.18	-1.54	2.75	0.6	2.75	-14.61	1.54	53.87	53.89
5500	64.47	-1.91	2.47	0.32	2.47	-14.8	1.91	53.87	53.76
5510	69.44	-1.58	2.89	0.74	2.89	-15.57	1.58	53.73	53.72
5520	65.97	-1.81	2.74	0.59	2.74	-16.41	1.81	53.63	53.68
5530	71.98	-1.43	3.17	1.02	3.17	-16.28	1.43	53.99	53.91
5540	66.87	-1.75	2.89	0.74	2.89	-16.16	1.75	53.7	53.69
5550	68.81	-1.62	3.05	0.9	3.05	-15.82	1.62	53.94	53.98

5560	69.35	-1.59	3.15	1	3.15	-16.23	1.59	53.96	54.02
5570	68.47	-1.64	3.13	0.98	3.13	-17.05	1.64	54.05	53.98
5580	77.52	-1.11	3.71	1.56	3.71	-17.17	1.11	54.53	54.71
5590	66.34	-1.78	3.1	0.95	3.1	-18.42	1.78	54.27	54.3
5600	69.57	-1.58	3.36	1.21	3.36	-19.58	1.58	54.33	54.33
5610	66.33	-1.78	3.23	1.08	3.23	-20.9	1.78	54.14	54.42
5620	61.78	-2.09	2.94	0.79	2.94	-21.68	2.09	54.12	54.07
5630	62.39	-2.05	3	0.85	3	-21.68	2.05	53.81	53.96
5640	63.94	-1.94	3.14	0.99	3.14	-21.07	1.94	53.97	54.06
5650	61.36	-2.12	2.91	0.76	2.91	-20.86	2.12	53.97	54.04
5660	56.47	-2.48	2.58	0.43	2.58	-20.62	2.48	53.91	53.96
5670	55.97	-2.52	2.61	0.46	2.61	-19.9	2.52	53.95	54.04
5680	53.98	-2.68	2.54	0.39	2.54	-20.88	2.68	54.11	54.19
5690	54.96	-2.6	2.7	0.55	2.7	-21.53	2.6	54.12	54.05
5700	54.26	-2.66	2.71	0.56	2.71	-21.66	2.66	54.07	54.28
5710	49.34	-3.07	2.38	0.23	2.38	-22.08	3.07	54.1	54.06
5720	46.95	-3.28	2.19	0.04	2.19	-21.75	3.28	54.12	54.09
5730	48.17	-3.17	2.35	0.2	2.35	-21.54	3.17	54.19	54.3
5740	48.04	-3.18	2.37	0.22	2.37	-21.49	3.18	54.46	54.39
5750	47.79	-3.21	2.4	0.25	2.4	-21.49	3.21	54.33	54.22
5760	44.66	-3.5	2.19	0.04	2.19	-22.1	3.5	54.29	54.29
5770	43.1	-3.66	2.11	-0.04	2.11	-22.17	3.66	54.53	54.36
5780	37.92	-4.21	1.64	-0.51	1.64	-22.74	4.21	54.48	54.35
5790	42.94	-3.67	2.25	0.1	2.25	-21.85	3.67	54.4	54.34
5800	42.17	-3.75	2.25	0.1	2.25	-21.78	3.75	54.54	54.37
5810	41.58	-3.81	2.24	0.09	2.24	-22.61	3.81	54.38	54.21
5820	45.97	-3.37	2.74	0.59	2.74	-23.61	3.37	54.57	54.44
5830	39.82	-4	2.23	0.08	2.23	-24.73	4	54.61	54.45
5840	44.7	-3.5	2.84	0.69	2.84	-23.08	3.5	54.67	54.43
5850	41.94	-3.77	2.67	0.52	2.67	-21.56	3.77	54.72	54.61



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.