

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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Skyworth **NARI**

flex

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 **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



3 Product Specifications

Passive Electrical Specifications

Frequency Range	2400-2500 MHz 5150-5850MHz
Input Impedance	50 Ω
VSWR	≤ 3
Gain	≤ 6 dBi

Polarization Type Linear

Mechanical Specifications

Antenna Size 280mm × 20mm

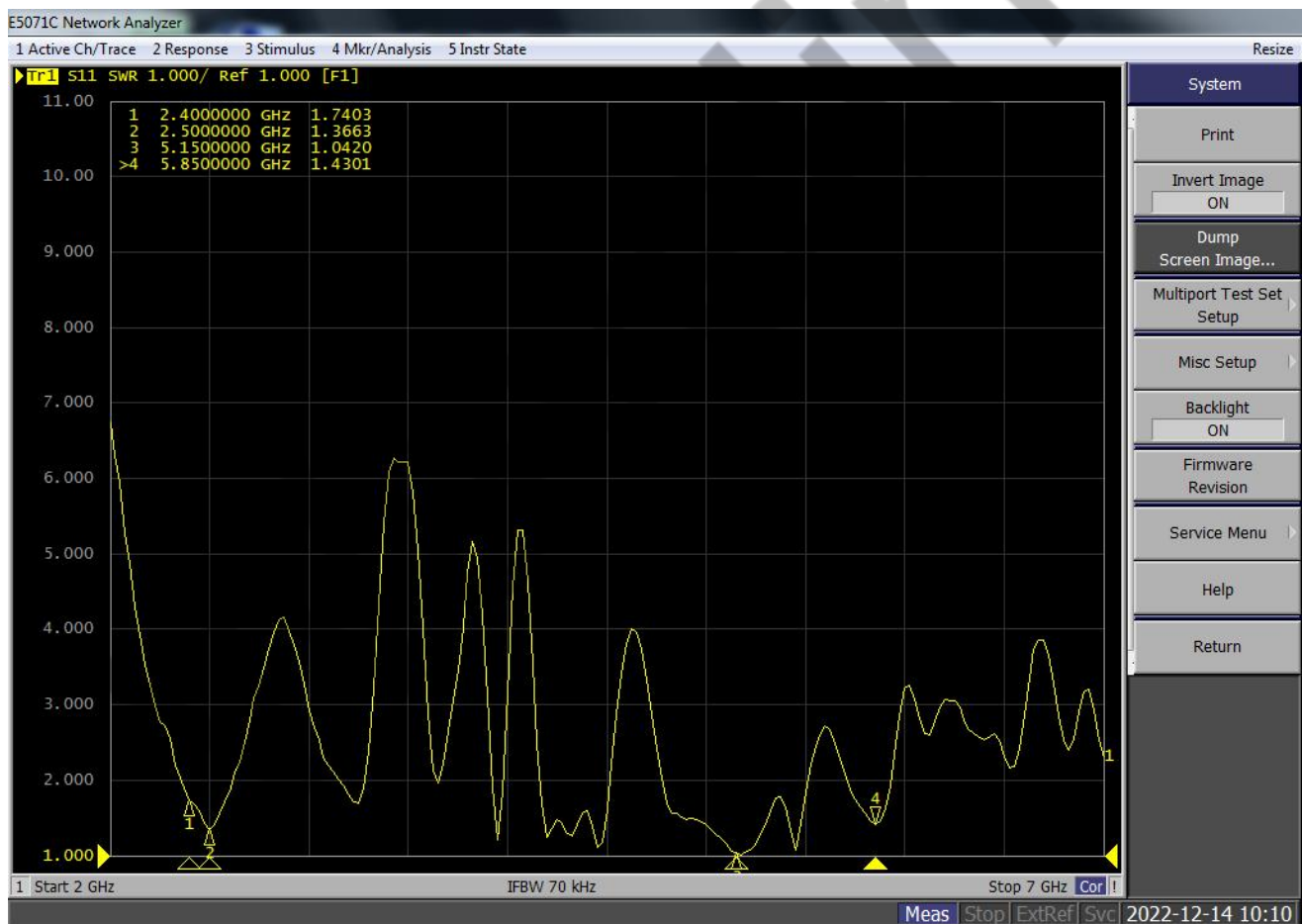
Connector Type N Male

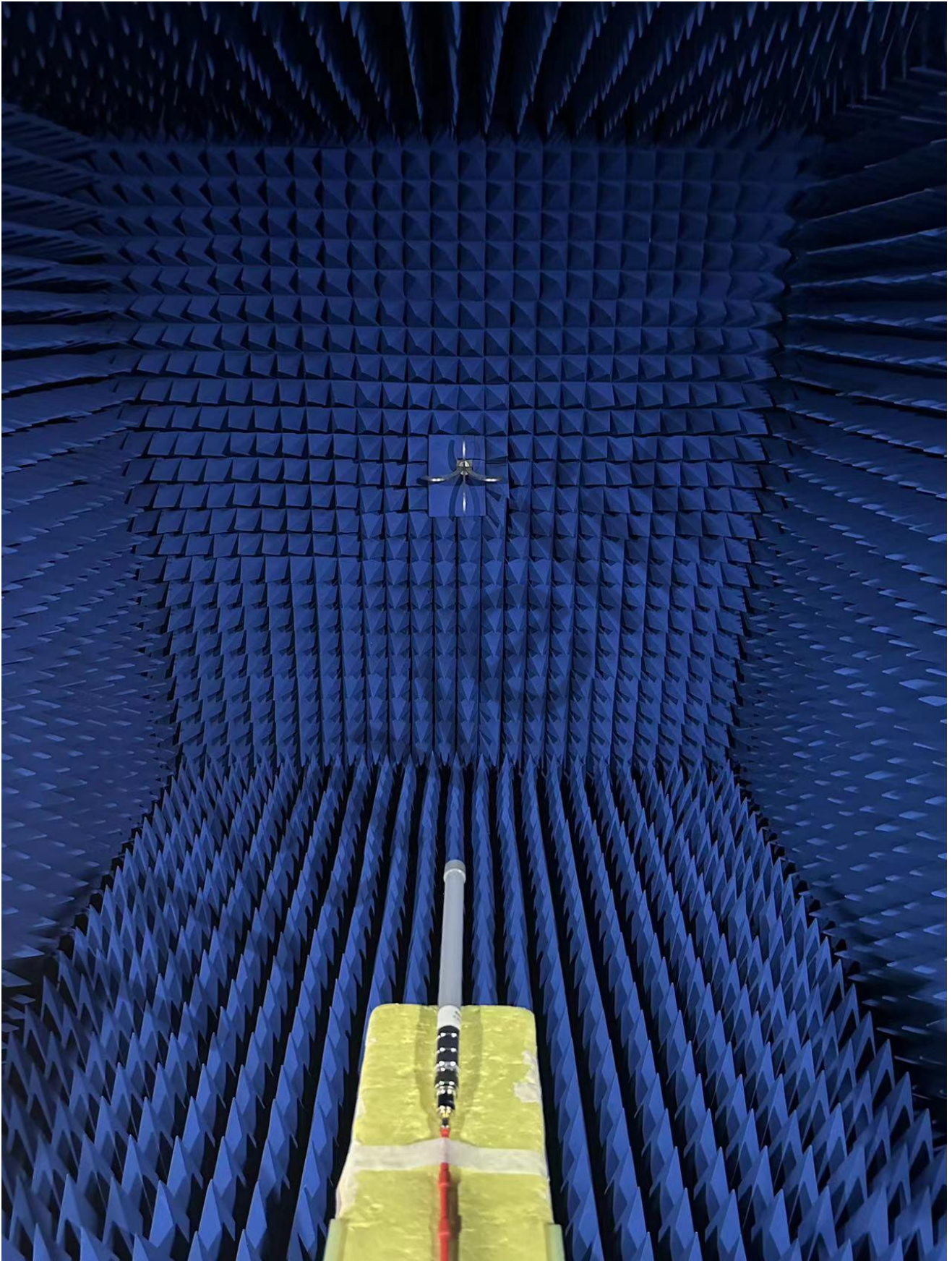
Working Temperature -40 °C to +85 °C

Radome Color Gray

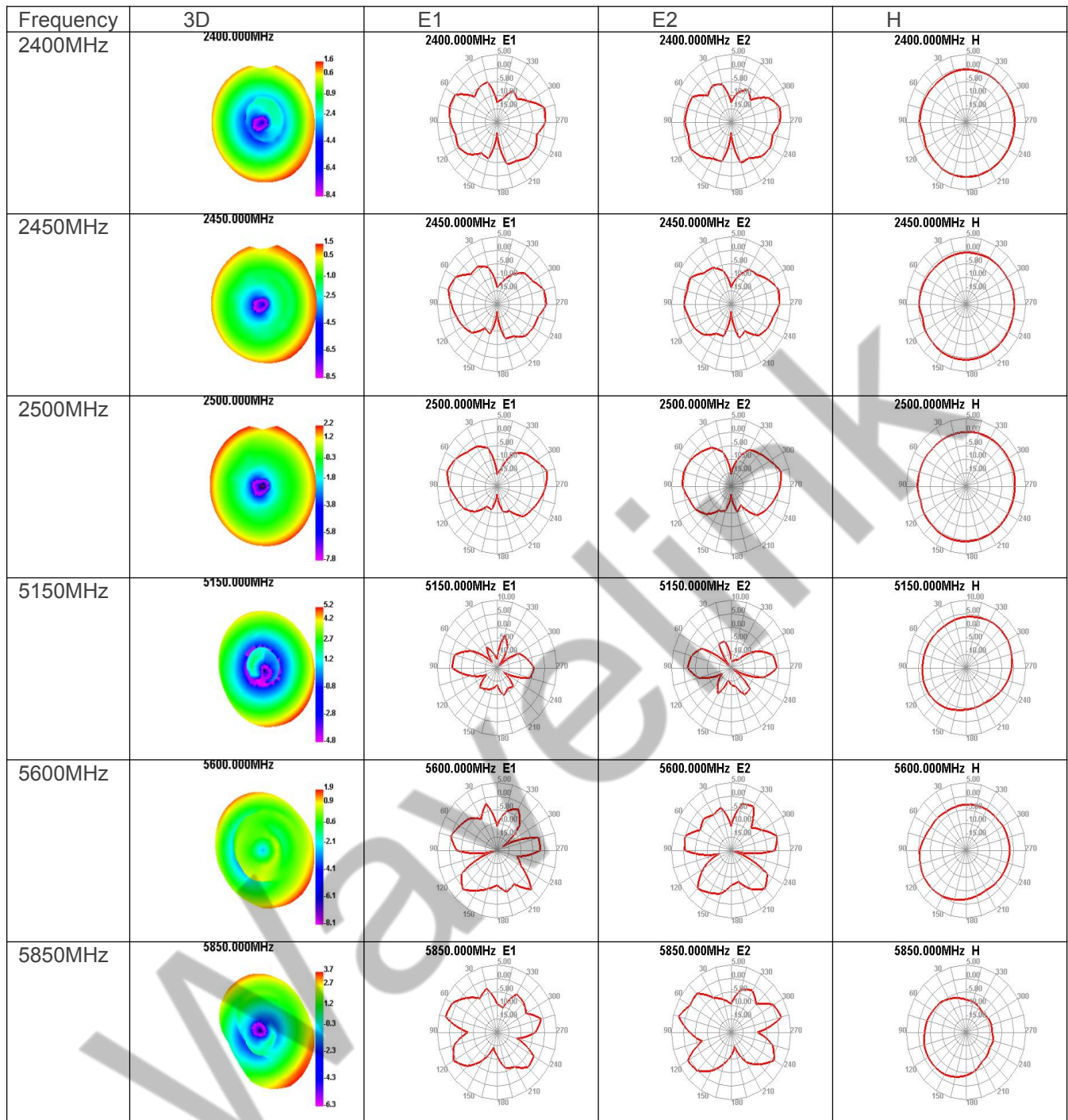
4 Overall Performance

KEYSIGHT VNA Network Analyzer E5071C 100 kHz – 8.5 GHz

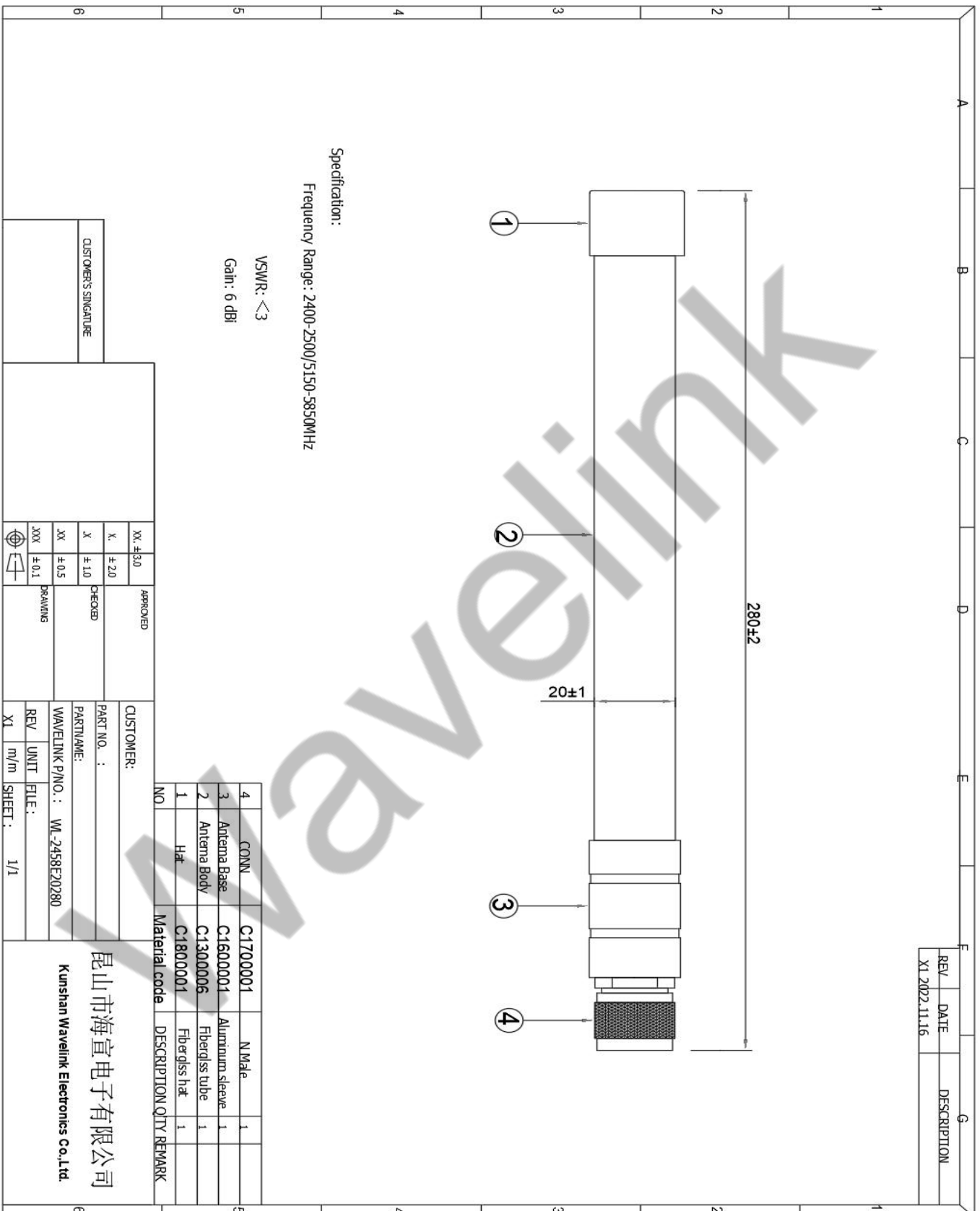




Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)	Max (dB)	Min (dB)	Directivity (dBi)	AttH (dB)	AttV (dB)
2400	64.57	-1.9	1.61	-0.54	1.61	-16.17	3.51	46.33	46.47
2410	64.26	-1.92	1.77	-0.38	1.77	-16.25	3.69	46.51	46.7
2420	65.57	-1.83	1.99	-0.16	1.99	-16.46	3.83	46.33	46.5
2430	68.92	-1.62	2.25	0.1	2.25	-15.99	3.87	46.7	46.83
2440	70.24	-1.53	2.25	0.1	2.25	-16.36	3.78	46.75	46.79
2450	61.74	-2.09	1.5	-0.65	1.5	-17.43	3.6	46.2	46.36
2460	66.98	-1.74	1.71	-0.44	1.71	-18.14	3.46	46.66	46.73
2470	68.87	-1.62	1.72	-0.43	1.72	-18.73	3.34	46.55	46.66
2480	68.57	-1.64	1.87	-0.28	1.87	-18.59	3.51	46.99	47.17
2490	71.64	-1.45	2.29	0.14	2.29	-17.11	3.74	46.73	46.8
2500	67.96	-1.68	2.23	0.08	2.23	-17.06	3.91	46.67	46.84
5150	72.74	-1.38	5.25	3.1	5.25	-20.81	6.63	52.78	52.82
5200	75.94	-1.2	5.57	3.42	5.57	-22.63	6.76	53.07	53.16
5250	71.55	-1.45	5.57	3.42	5.57	-20.94	7.03	53.31	53.39
5300	66.72	-1.76	5.49	3.34	5.49	-27.5	7.25	52.45	52.7
5350	66.95	-1.74	5.58	3.43	5.58	-19.56	7.32	52.92	53.28
5400	60.12	-2.21	4.8	2.65	4.8	-18.2	7.01	53.26	53.42
5450	61.57	-2.11	3.59	1.44	3.59	-16.52	5.7	53.75	53.73
5500	56.08	-2.51	3.51	1.36	3.51	-14.91	6.02	53.23	53.25
5550	52.28	-2.82	2.32	0.17	2.32	-19.7	5.13	52.88	53.04
5600	50.24	-2.99	1.86	-0.29	1.86	-26.56	4.85	52.82	53.2
5650	50.13	-3	2.36	0.21	2.36	-28.08	5.36	53.02	53.26
5700	55.95	-2.52	3.18	1.03	3.18	-23.6	5.71	53.34	53.6
5750	65.48	-1.84	3.85	1.7	3.85	-27.74	5.69	53.75	54.03
5800	68.55	-1.64	3.89	1.74	3.89	-22.07	5.53	54.18	54.41
5850	69.1	-1.61	3.66	1.51	3.66	-14.57	5.26	53.9	53.92



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 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.