



SWE025

PN: SW19068EB56



Sunnyway Technology

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1. Electrical Specifications

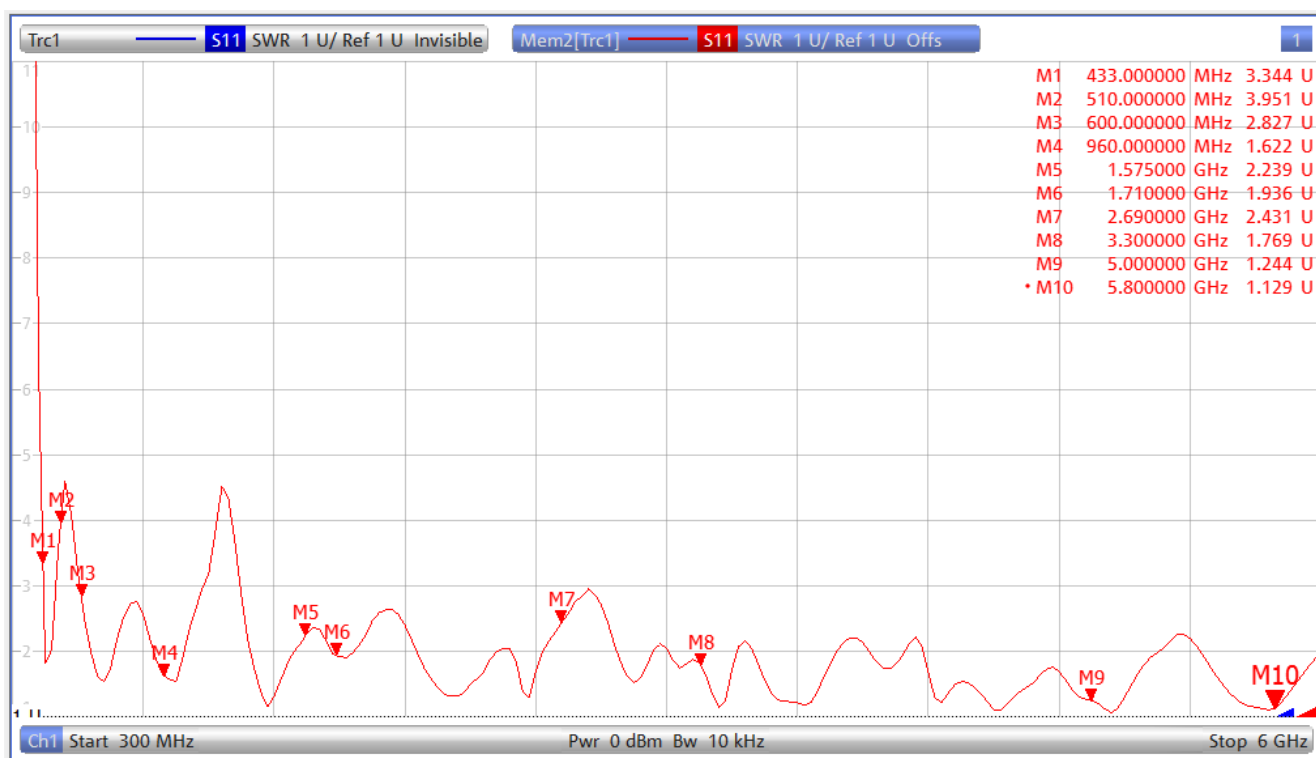
Standards	5G/4G/3G/2G/WiFi/BT/LoRa
Frequency range (MHz)	433~6000MHz
Peak Gain (dBi)	-1.5~4.5dBi
Average Gain (dB)	-4.6~-0.5dB
VSWR	< 4.5
Return Loss	< -4.0
Efficiency (%)	34~90%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specification

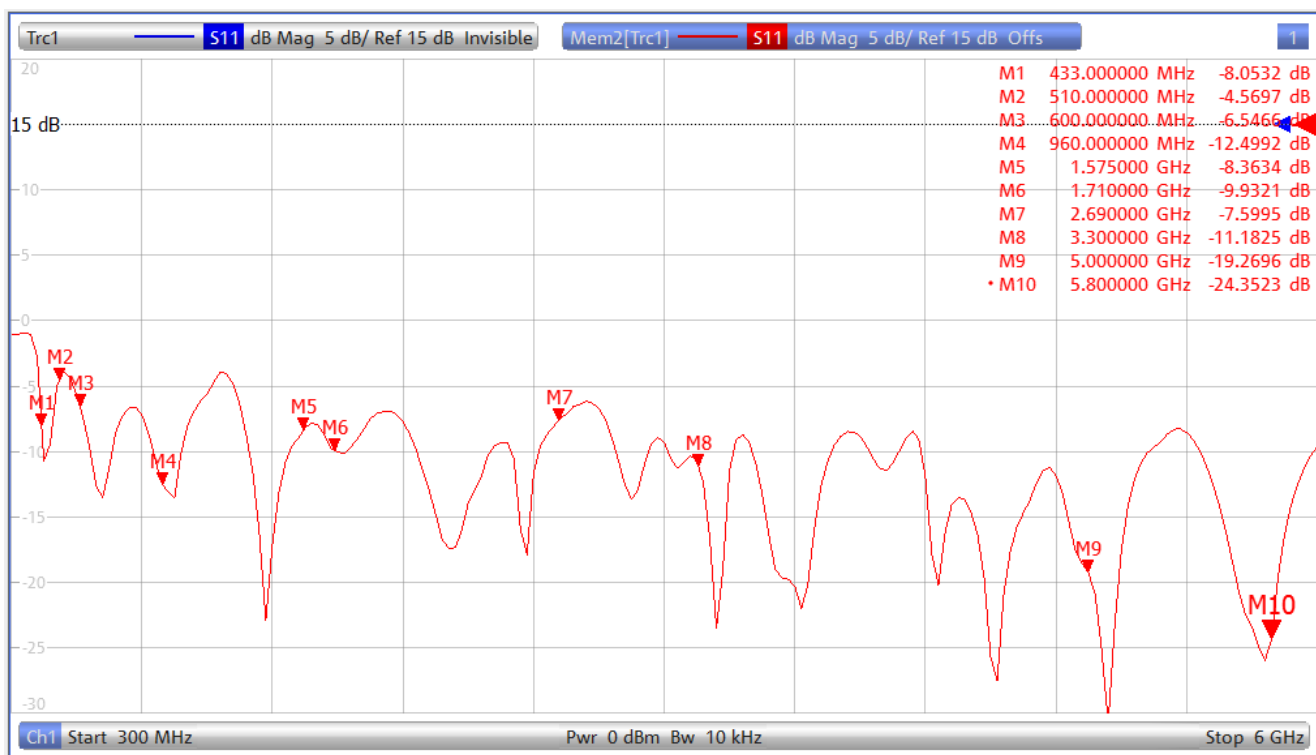
Mounting Type	Connector Mount
Connector Type	SMA (M)
Antenna size(mm)	220 x 28 x 8
Material	ABS+PC
Operating Temperature (°C)	- 40 °C ~ + 85 °C
Storage Temperature(°C)	- 40 °C ~ + 85 °C

3. Antenna parameters

FRE (MHz)	433	510	600	960	1575	1710	2690	3300	5000	5800
VSWR	3.34	3.95	2.82	1.62	2.23	1.93	2.43	1.76	1.24	1.12
Return Loss	-8.05	-4.56	-6.54	-12.4	-8.36	-9.93	-7.59	-11.1	-19.2	-24.3
Eff (%)	51.6	72.7	40.9	84.2	56.4	53.2	40.9	34.2	52.6	44.9
PEAK Gain (dBi)	-2.87	-1.38	-3.88	-0.75	-2.48	-2.74	-3.88	-4.66	-2.79	-3.48

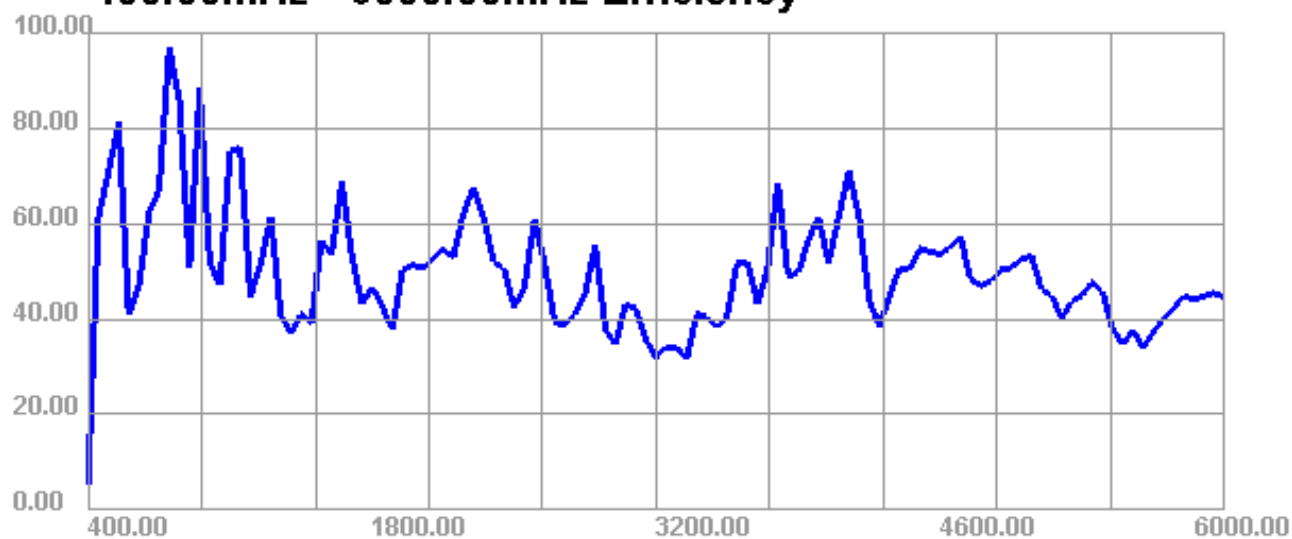


VSWR

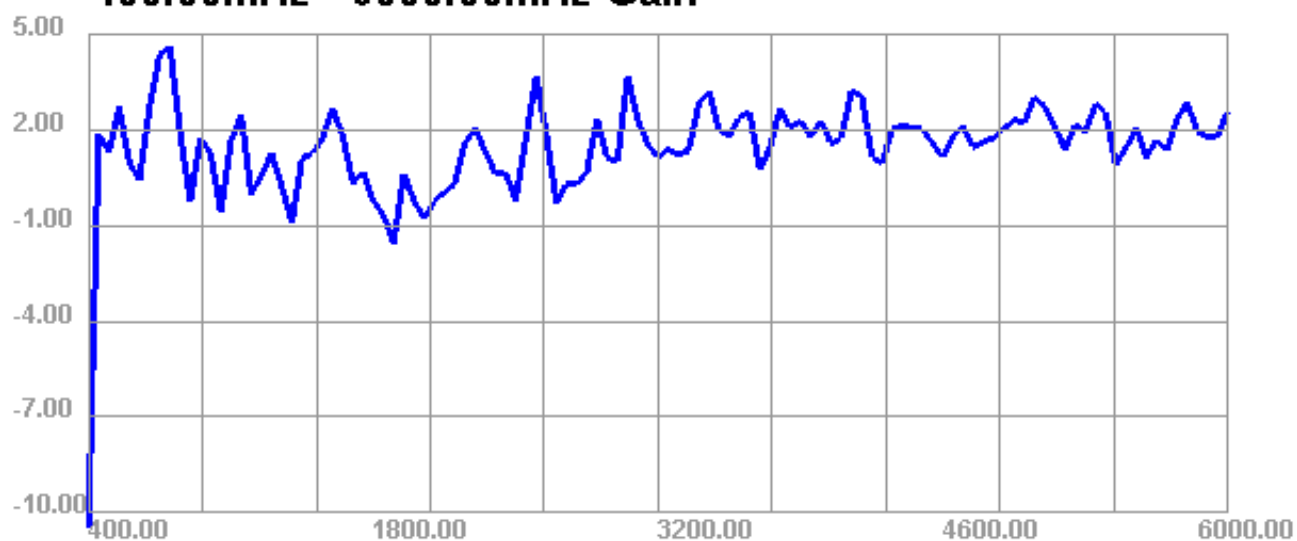


Return Loss

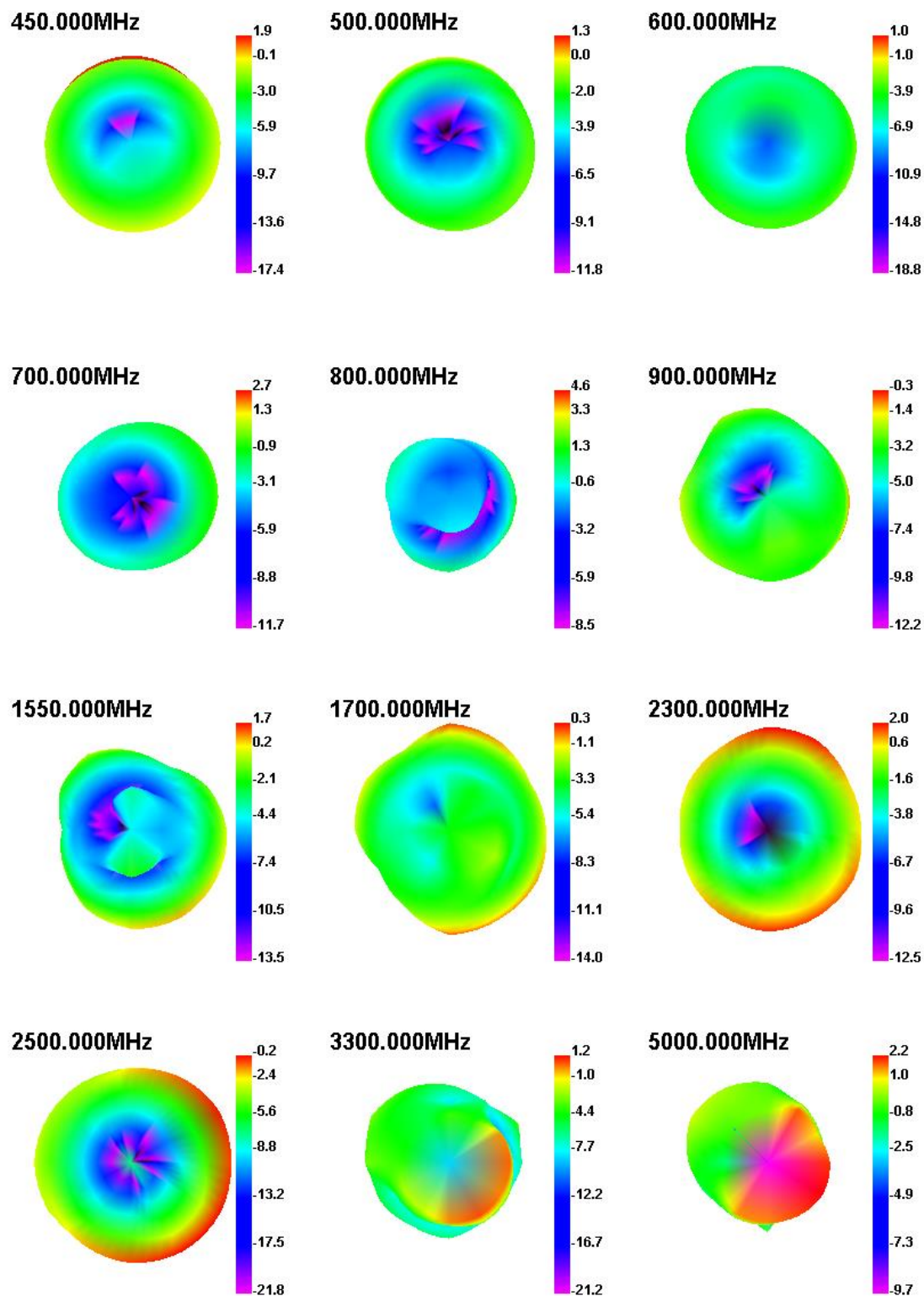
400.00MHz - 6000.00MHz Efficiency



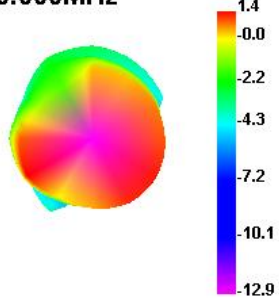
400.00MHz - 6000.00MHz Gain



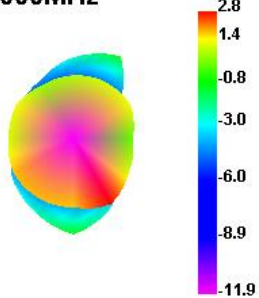
Directional pattern



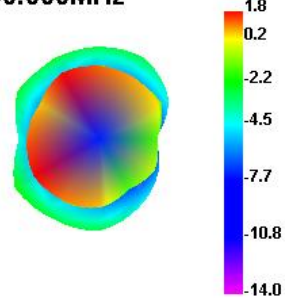
5200.000MHz



5800.000MHz

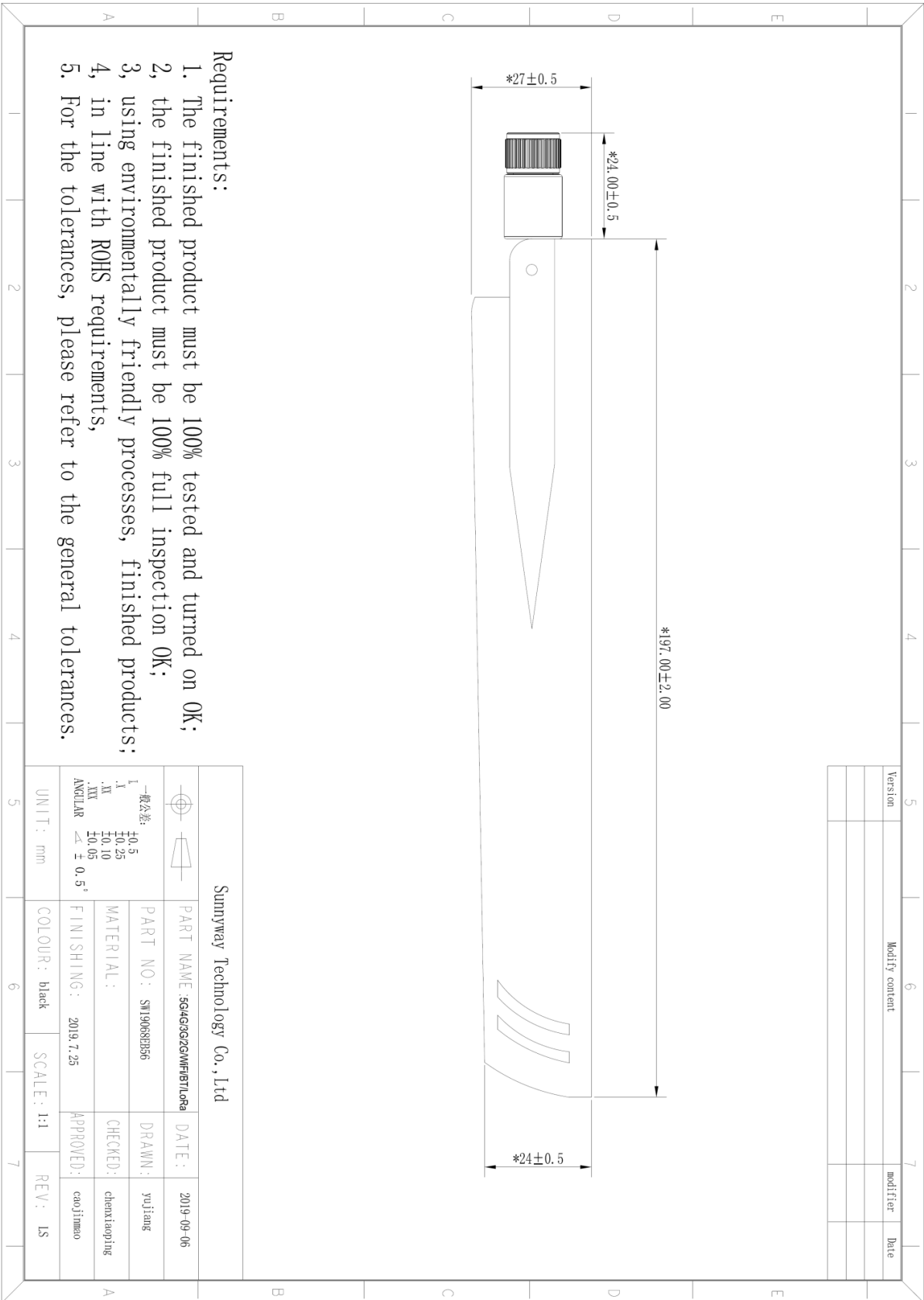


5950.000MHz





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1. The finished product must be 100% tested and turned on OK;
2. the finished product must be 100% full inspection OK;
- 3, using environmentally friendly processes, finished products;
- 4, in line with ROHS requirements,
5. For the tolerances, please refer to the general tolerances.

5	6	7
Version	Modify content	modifier Date