

JX190-45(BN982) Antenna specification

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ANT type: PCB Antenna

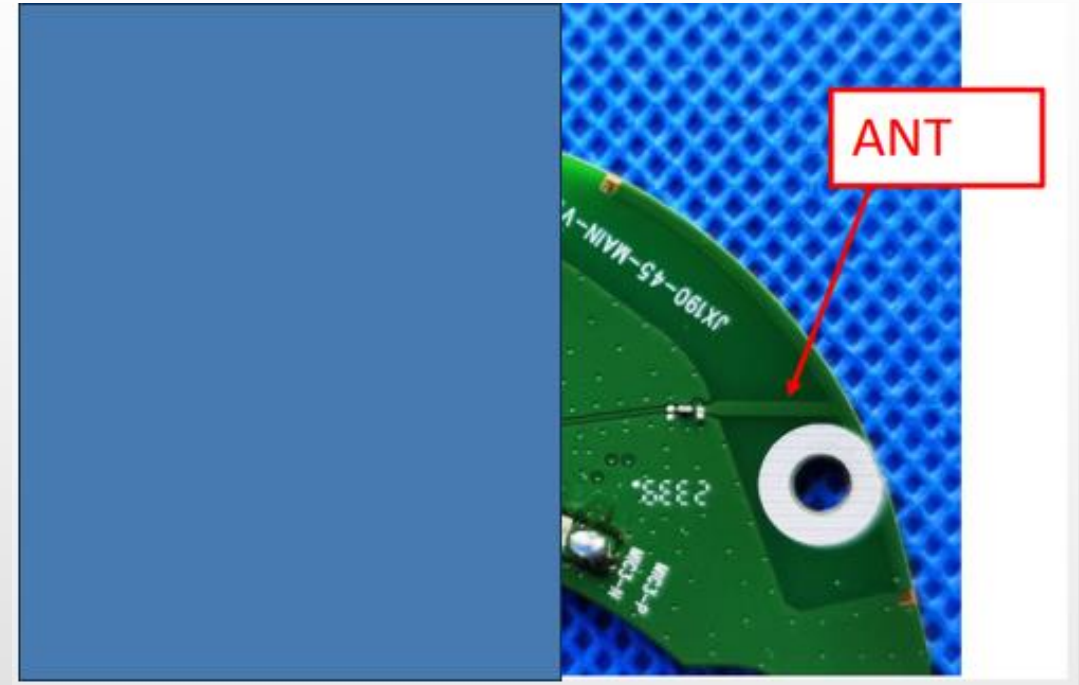
Checked by: Jiang

Date: 2023.11.1

Jiang

1.The basic parameters

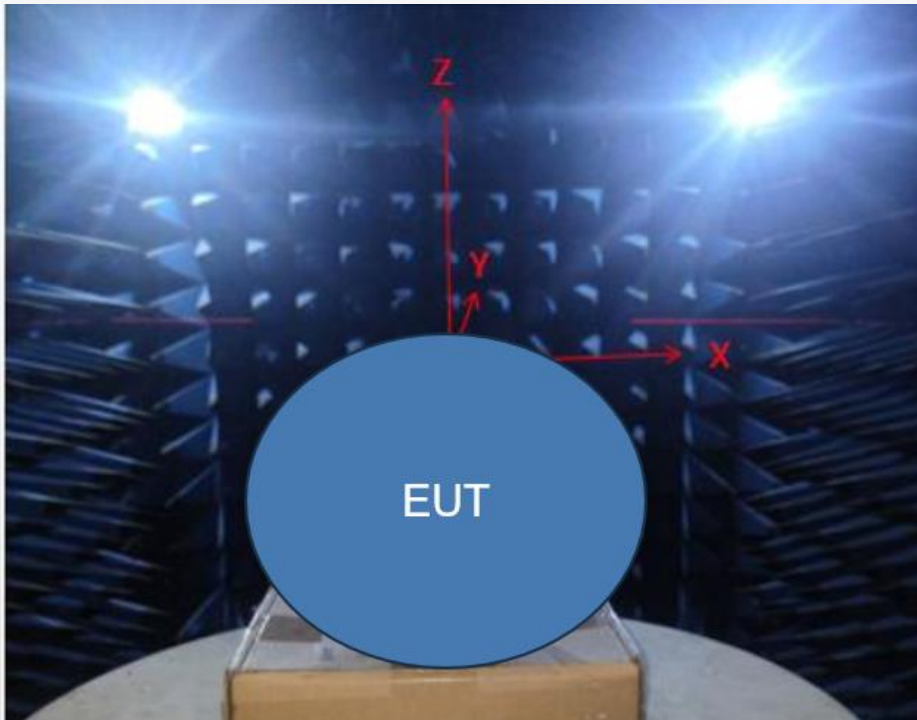
- Ambient temperature :26 ° C
- Ambient humidity :65%
- The parameters are as follows:
- Frequency Range:2400-2480MHz; Impedance:50Ω;
- VSWR:<2:1Across band;
- Polarization: Linear
- Gain(Peak Gain):1.89dBi
- Antenna Type: PCB Antenna



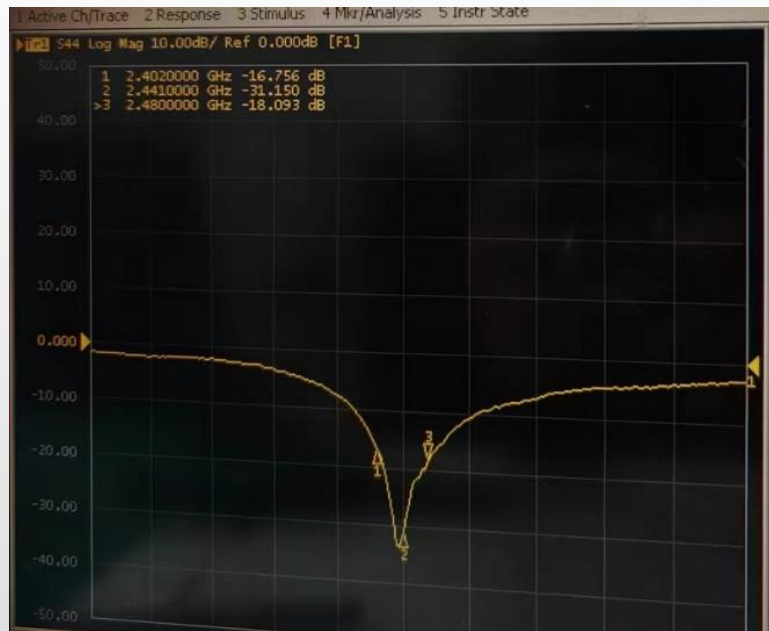
- **Note:**when assembling the antenna, the horn should be avoided near the antenna, and the microphone and other wires should be passed above to avoid affecting the antenna radiation effect.

2. Test Equipment & Conditions

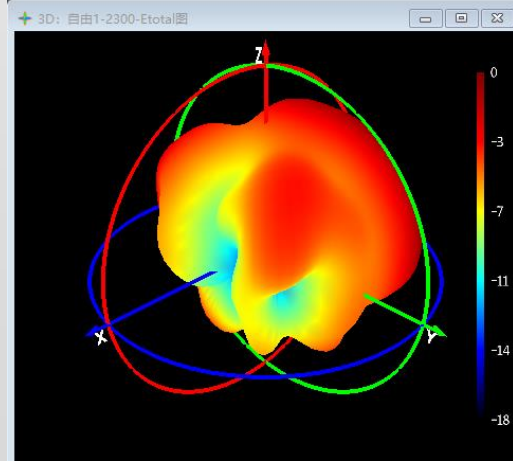
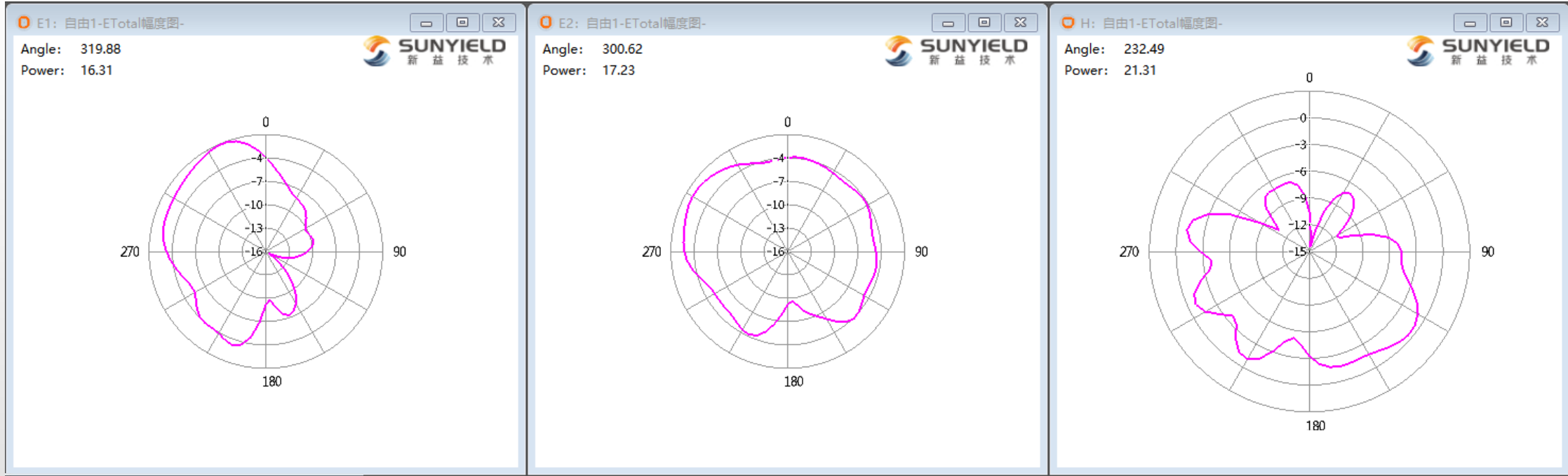
- NetWork Analyzers, Comprehensive tester, 3D Chamber Test System:



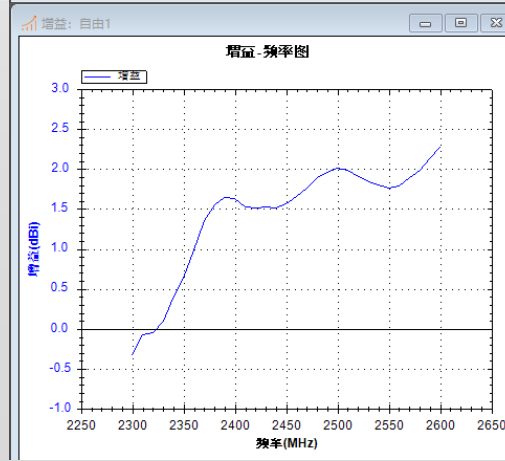
3. Impedance and return loss



4. Passive direction diagram



3D



5. Test report

Frequency(MHz)	Gain(dBi)	Efficiency(dB)	Efficiency(%)
2400	1.63	-3.1	49.01
2410	1.53	-2.94	50.8
2420	1.51	-2.77	52.88
2430	1.52	-2.63	54.61
2440	1.51	-2.56	55.46
2450	1.56	-2.5	56.19
2460	1.66	-2.48	56.45
2470	1.76	-2.46	56.73
2480	1.89	-2.4	57.54

Thanks!