

NanoAnt Confidential
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1.1 DESCRIPTION;

1.0 DESCRIPTIONS AND PART NUMBER;

The antenna mounts to the housing of the projector, And after that, the feed point on the prolongation of metal plate should firmly touch the contact provided on the PCB in the respective area.

1.2 PART NUMBER

Part number	Frequency Band	HH Part Number
	2.4G /5G	

2.0 ELECTRICAL SPECIFICATIONS;

2.1 FREQUENCY BAND

WIFI 2.4G /5G

2.2 IMPEDANCE - Nominal impedance: 50

2.3 ACTIVE TEST REPORT

测试设备:

E5071C 网络分析仪

SG24 微波暗室



1) Antenna position

Location description: The antenna is shown in the figure.



2) Antenna S11 and efficiency

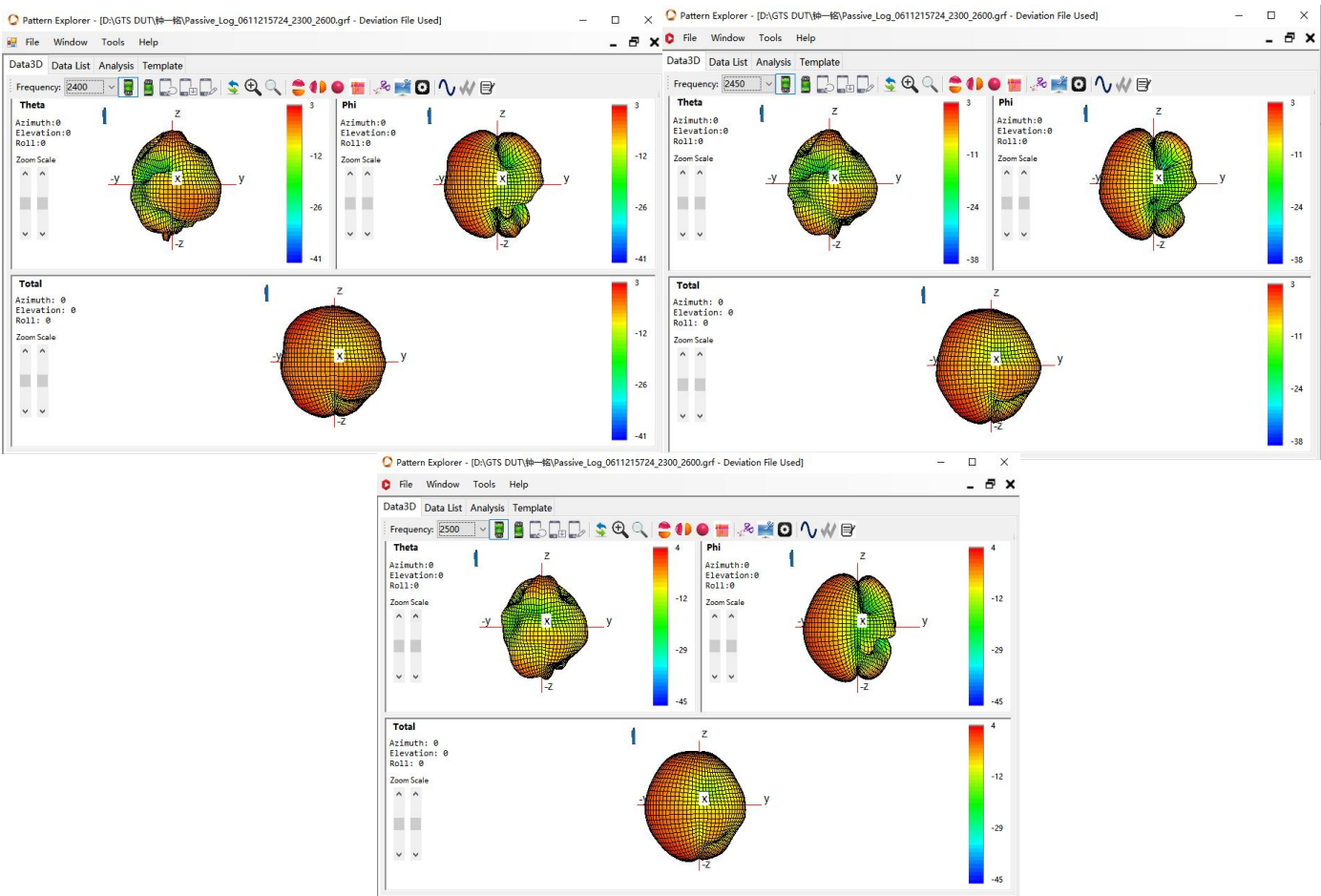
The image below shows the WIFI 2.4G/5G S11 and its efficiency



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Gain&Efficiency 增益和效率			
frequency 频率(Hz)	gain 增益(dB)	efficiency 效率(dB)	efficiency 效率
2400M	2.01	-3.11	48.87%
2410M	2.09	-3.06	49.49%
2420M	2.13	-3.02	49.85%
2430M	2.15	-3	50.16%
2440M	2.3	-2.91	51.15%
2450M	2.48	-2.77	52.9%
2460M	2.68	-2.54	55.67%
2470M	2.87	-2.28	59.17%
2480M	2.79	-2.18	60.5%
2490M	2.73	-2.25	59.63%
2500M	2.91	-2.29	58.99%

3) Direction Diagram



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3.0 MECHANICAL SPECIFICATIONS:**3.1 MECHANICAL CONFIGURATION**

The appearance of the antenna is in accordance with drawing

3.2 CONNECTOR TYPE

The connector type is an embedded type

4.0 ENVIRONMENTAL SPECIFICATIONS**4.1 TEMPERATURE**

Operating Temperature Range: -40 C ~ +85 C

Storage Temperature Range: -40 C ~ +120 C

4.2 SALT SPRAY TEST

Antenna be exposed in a 35°C, 5% salt fog chamber for 24 hours then check the appearance and performance against the specifications in normal temperature.

4.3 STATIC HUMIDITY TEST

The antenna is subjected to the following test:

Temperatures: +70°C and 90%--95%RH

Test Duration: 24 Hours

The antenna should not undergo any structural or functional change and remain within the electrical/mechanical specification.

5.0 PACKAGING

The antennas will be packed in bags, There are 100 or 200 /300antennas per bag. The bags are packed in corrugated fibreboard over box

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Drawing :

