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1. Antenna Electrical Specification

External Antenna	
Freq	2.4~2.5GHz
Gain	5.76dBi
VSWR	<2
Impedance	50 ohm
Polarization	Linear
Type of Antenna	PCB Antenna
Outline Dimensions	41mm*27mm*1mm L=400mm
Manufacture	EcoFlow
Efficiency	≥50.01%
Connector Type	1.37mm-IPEX1
Operating Temperature	-40°C ~+85°C
Storage Temp	-40°C ~+85°C

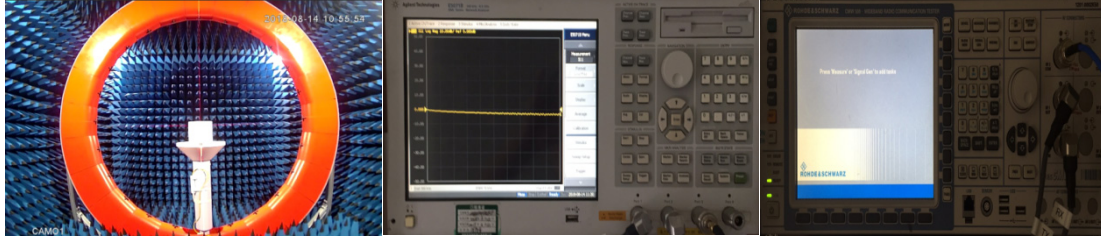
2. Test Items and Equipment

	Test items	Test equipment
S Parameter	1.Return Loss 2.VSWR	Network analyzer (Agilent E5071B)

The whole machine of
Passive parameters

- 1.Frequency
- 2.Gain
- 3.Radiation Pattern

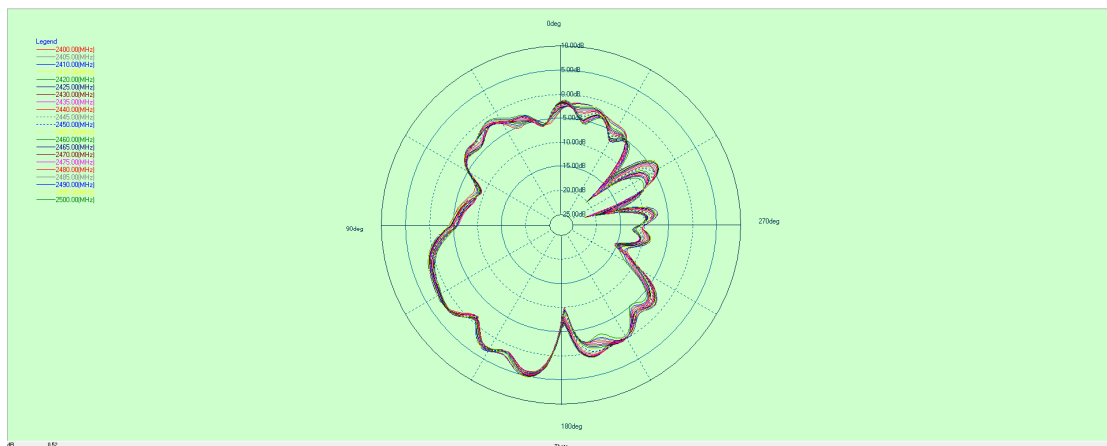
- 1.3D microwave darkroom
(6m*6m*6m)
- 2.Network analyzer
(Agilent E5071B)



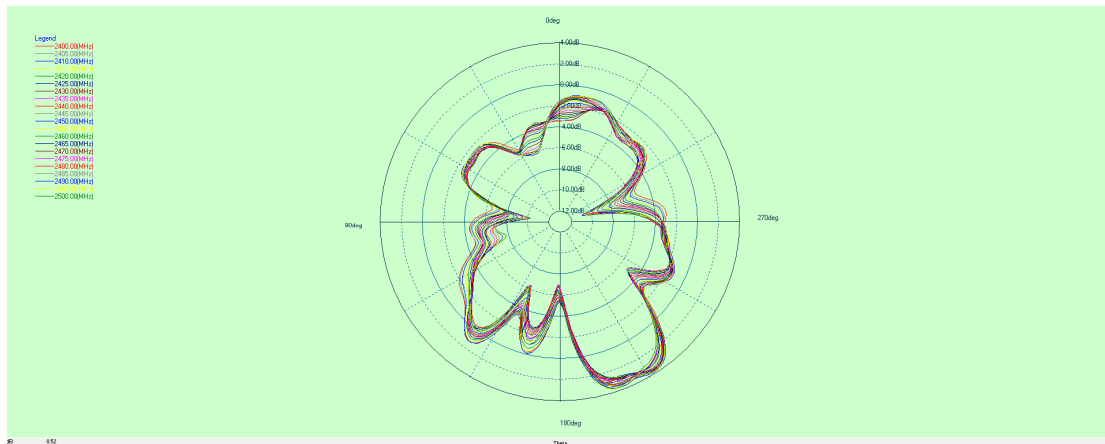
3. Pattern and Gain

3.1 On-board Antenna

PHI=0DEG



PHI=90DEG

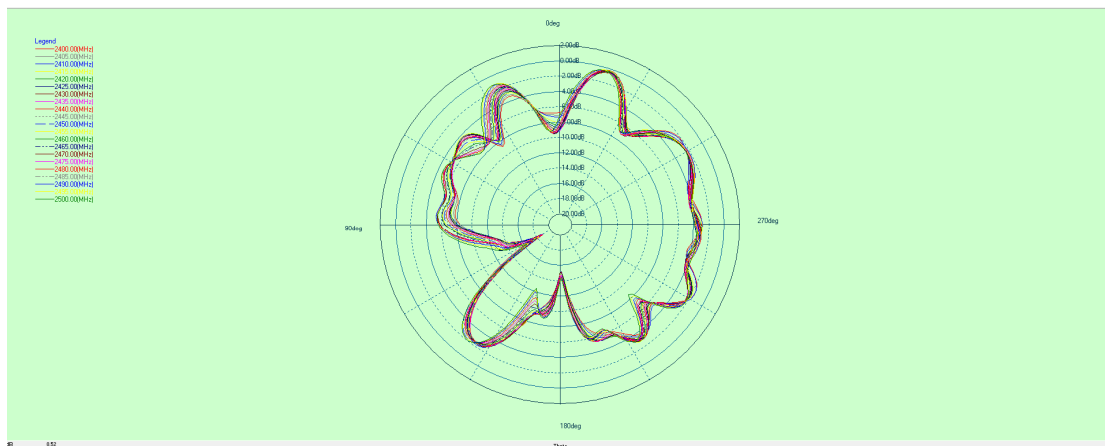


THETA=90DEG

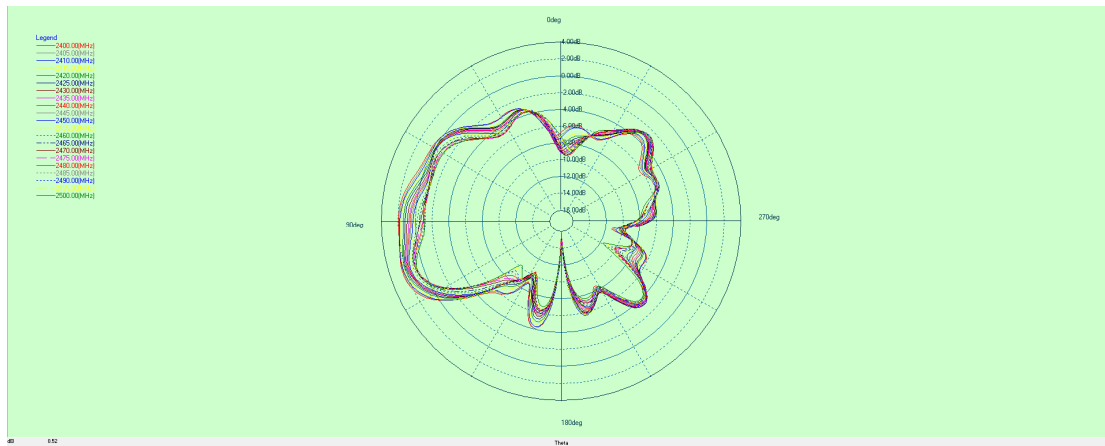


3.2 External Antenna

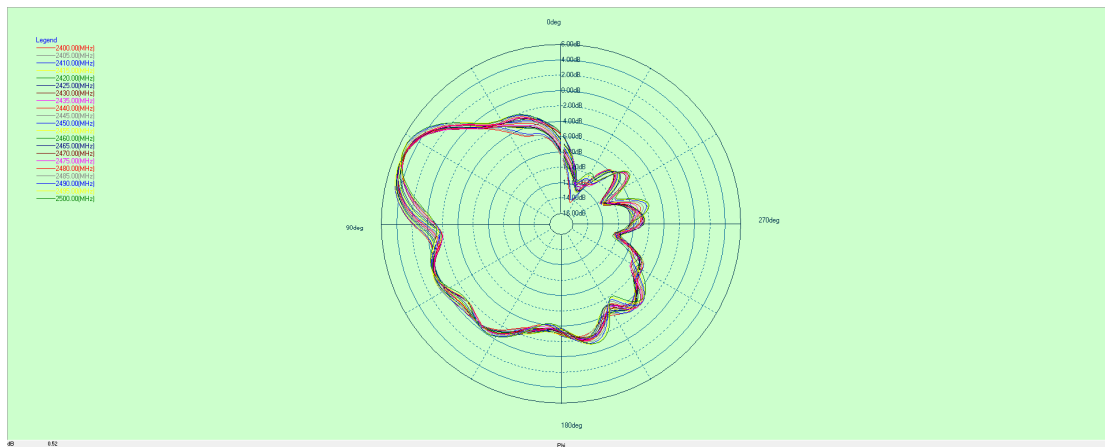
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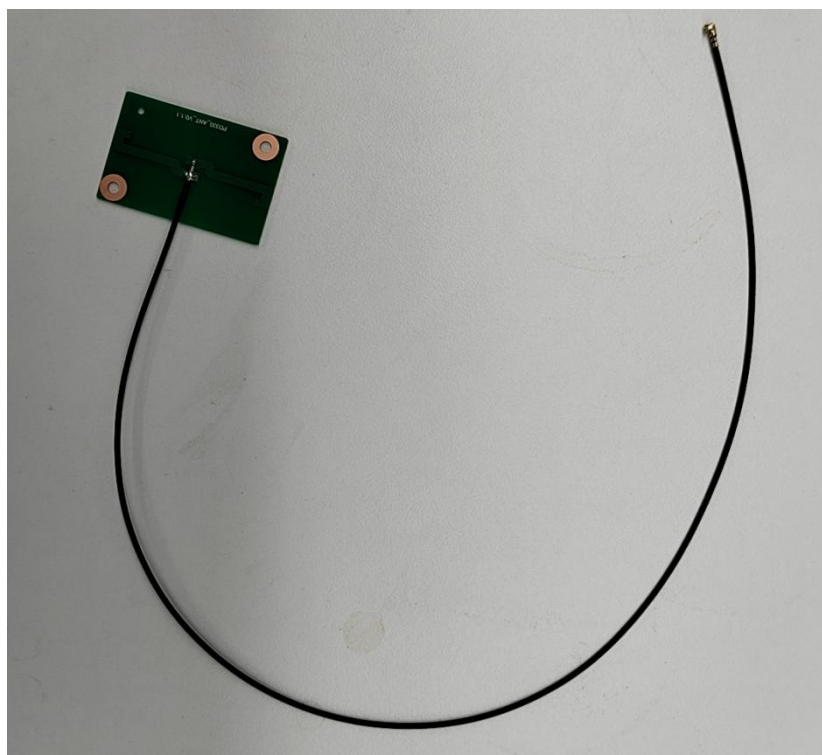


4. Gain and efficiency

External Antenna	
Gain(dBi)	efficiency
5.65	52.42%
5.61	52.57%
5.71	53.52%
5.68	53.34%
5.55	52.42%
5.54	51.95%
5.44	51.26%
5.42	51.34%
5.50	51.91%
5.54	52.31%
5.61	52.64%
5.61	52.78%
5.50	52.11%
5.38	51.33%

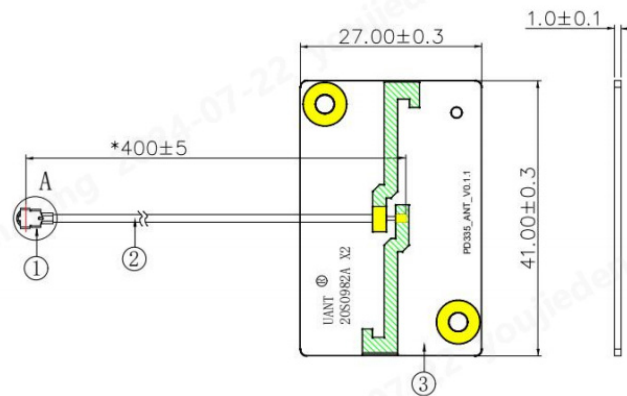
5.49	51.04%
5.49	51.01%
5.52	51.26%
5.65	52.28%
5.75	53.04%
5.76	53.21%
5.64	52.54%

5. Photograph of Antenna



External Antenna

6. Mechanical Specification



Specification:

Frequency Rang: 2400-2500MHz

ANTENNA Manufacturer: Dongguan Youbi Electronics Co., LTD

ADRESS: Building 79, New Sun Industrial City, Lincun Community, Tangxia Town, Dongguan City, Guangdong Province