

IW-ANT-PNL5615-NS

Date	Changing Item	Version	Author
2024.07.12	First release	-A0	Zhouqijun.li

1: Antenna overview



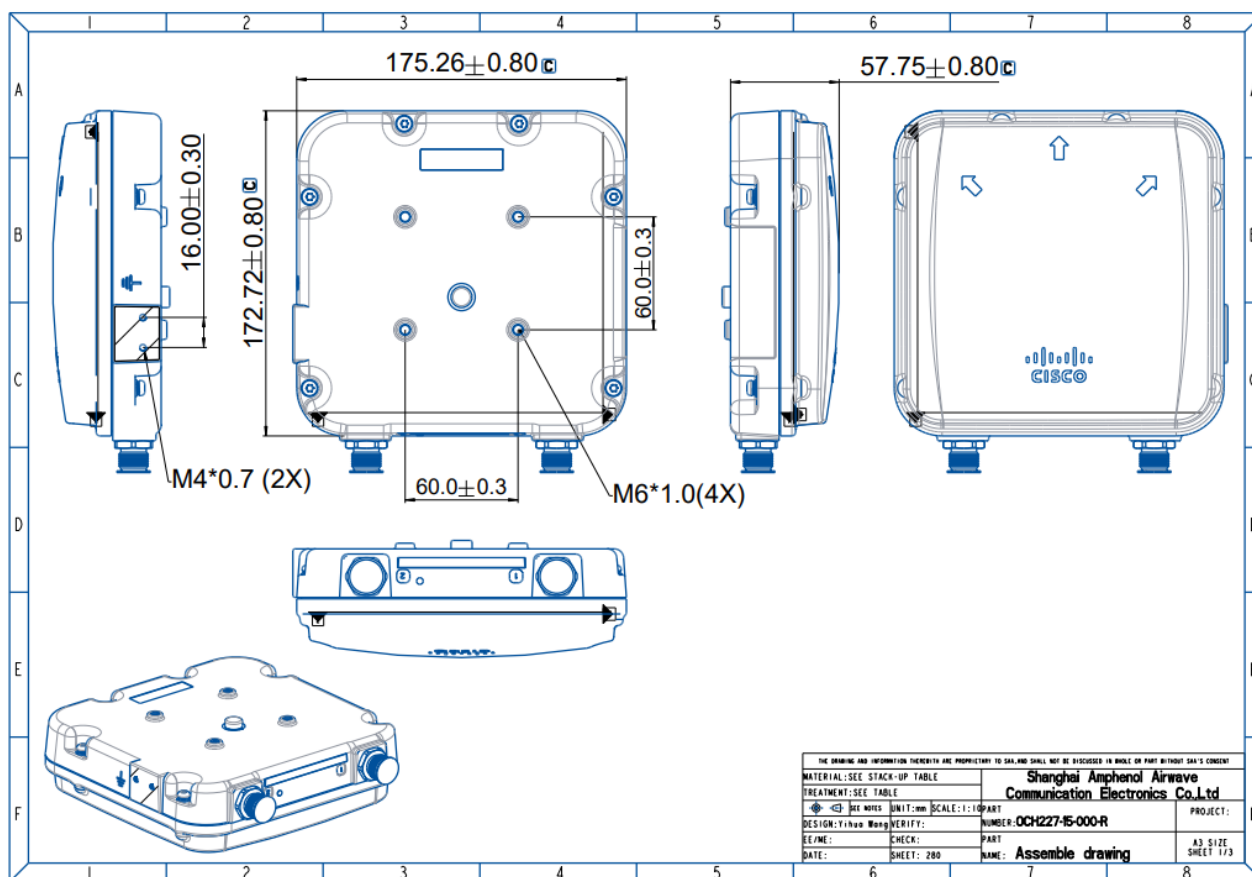
2: General RF Specifications

Description	Directional 2-port array	
Frequency	4900-5925 MHz	5925-7125 MHz
Polarization	$\pm 45^\circ$	$\pm 45^\circ$
Port-to-Port Isolation	> 25 dB	> 25 dB
Max. Gain	15 dBi	15 dBi
Gain ≥ 30 deg elevation	3 dBi	3 dBi

3: Mechanical Specifications

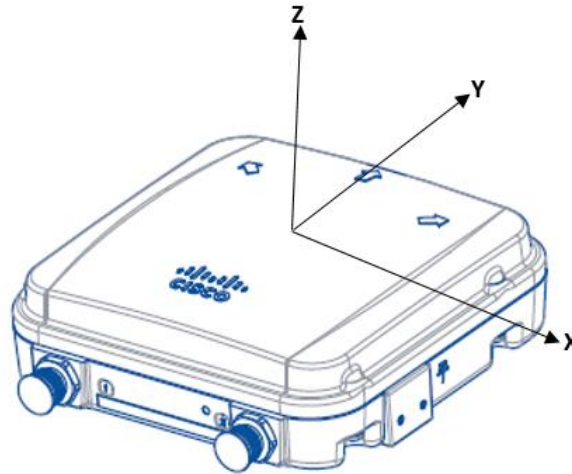
Device size	191mm * 175mm * 58mm
Connector	N-Type, female
Wind rating	200 km/h (max)
Operating temp	-40 to +85 °C
Flammability	UL-94, V0
IP rating	IP66, IP67

4: Mechanical Drawing

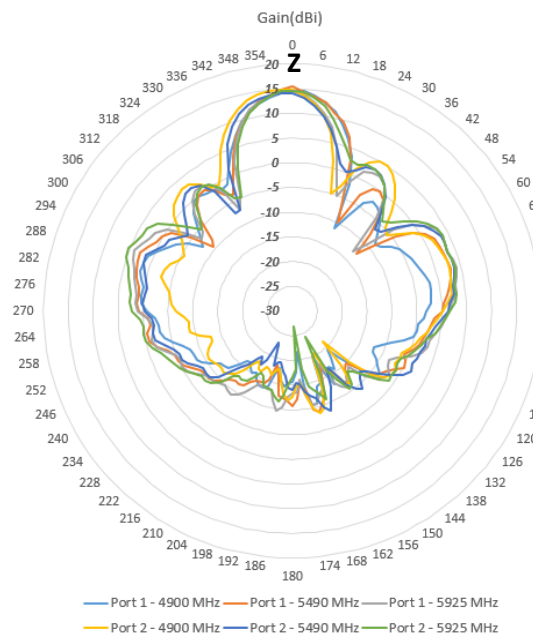


5: RF Performance

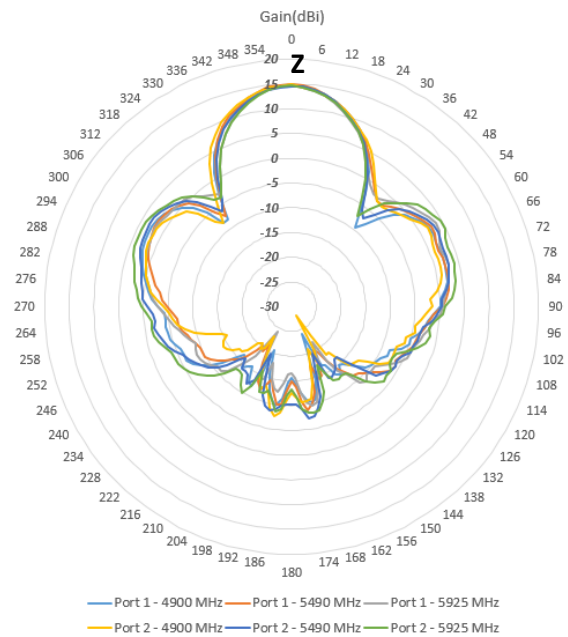
5.1 Radiation pattern test coordinate system with the DUT



5.2 5 GHz Radiation Pattern

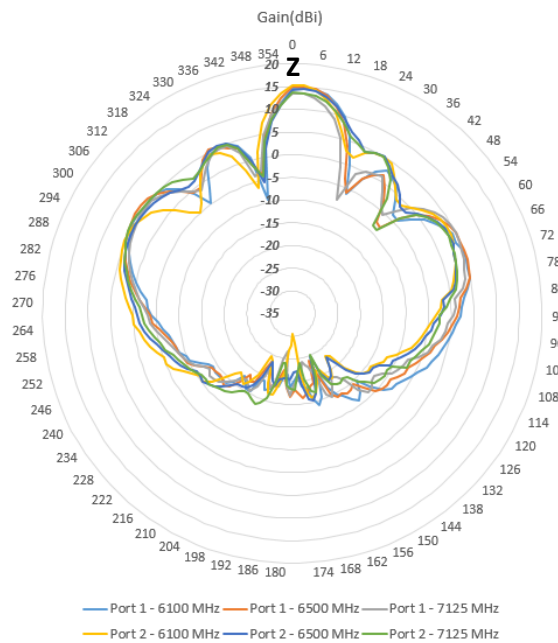


Vertical plane

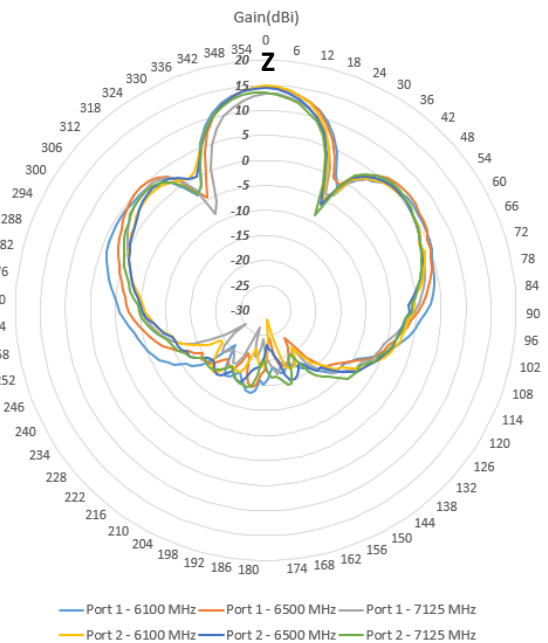


Horizontal plane

5.3 6 GHz Radiation Pattern



Vertical plane



Horizontal plane

Shanghai Amphenol Airwave Communication Electronics Co., Ltd.

No 689 Shen Nan Road, Xin Zhuang Industry Park,
Shanghai 201108 P. R. China
<http://www.amphenol-saa.com>