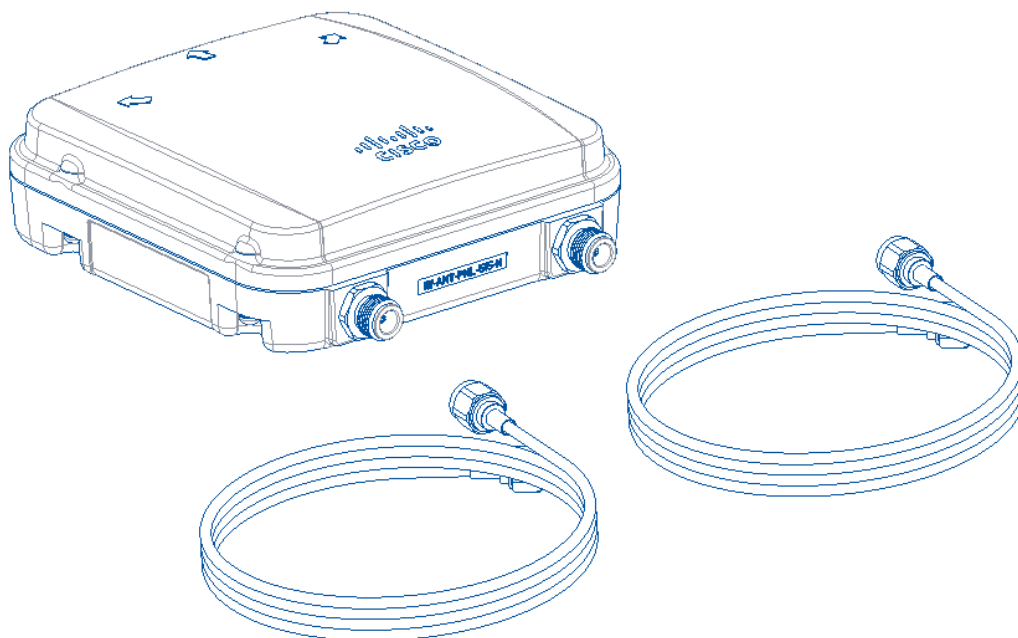


IW-ANT-PNL-515-N

1: Antenna overview



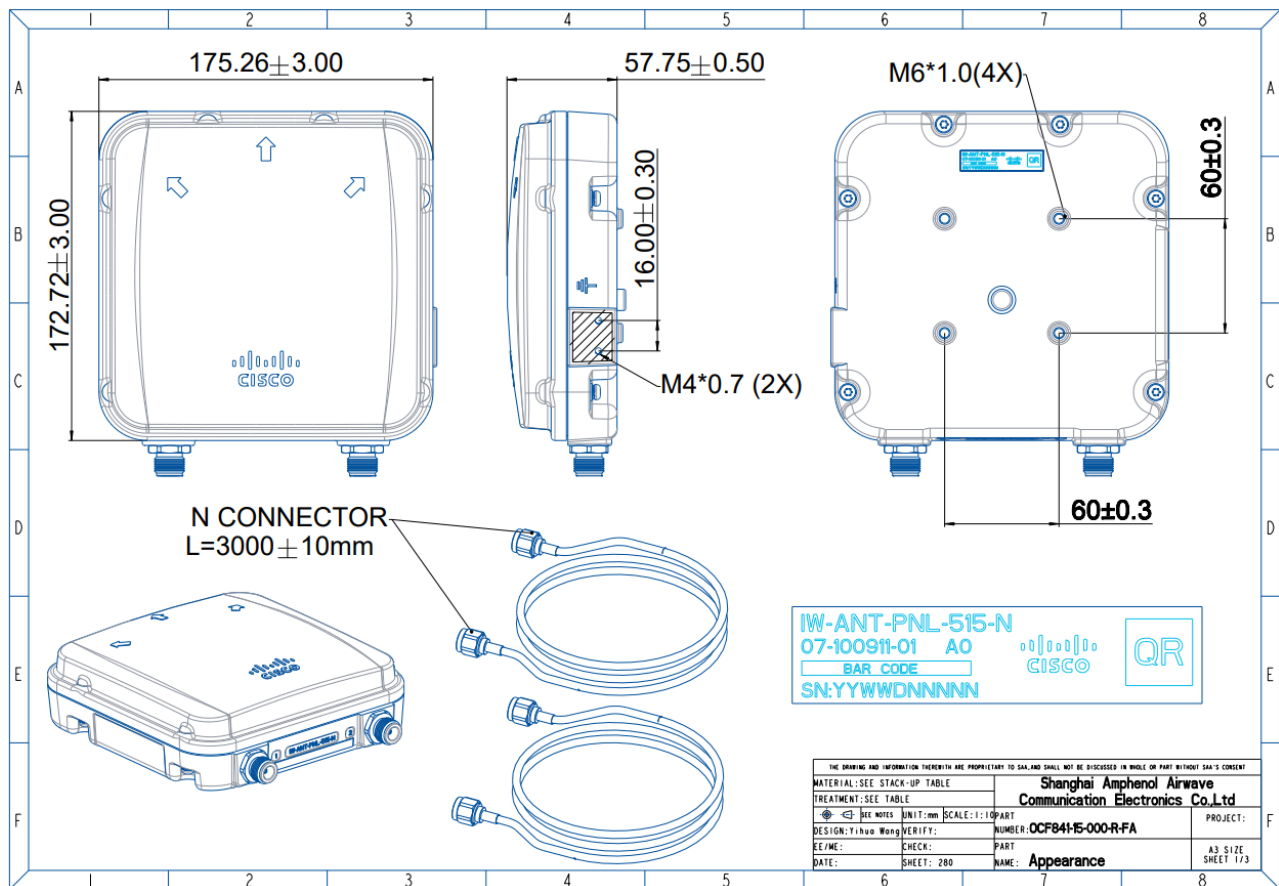
2: General RF Specifications

Description	Directional 2-port array	
	4900-5925 MHz	5925-6875 MHz
Frequency	4900-5925 MHz	5925-6875 MHz
Polarization	$\pm 45^\circ$	$\pm 45^\circ$
VSWR	$< 2.2:1$	$< 2.2:1$
Port-to-Port Isolation	> 25 dB	> 25 dB
Max. Gain	15 dBi	15 dBi
Gain ≥ 30 deg elevation	3 dBi	3 dBi
HPBW (V, H)	21 $\pm$ 4 deg, 28 $\pm$ 5 deg	17 $\pm$ 4 deg, 26 $\pm$ 5 deg

3: Mechanical Specifications

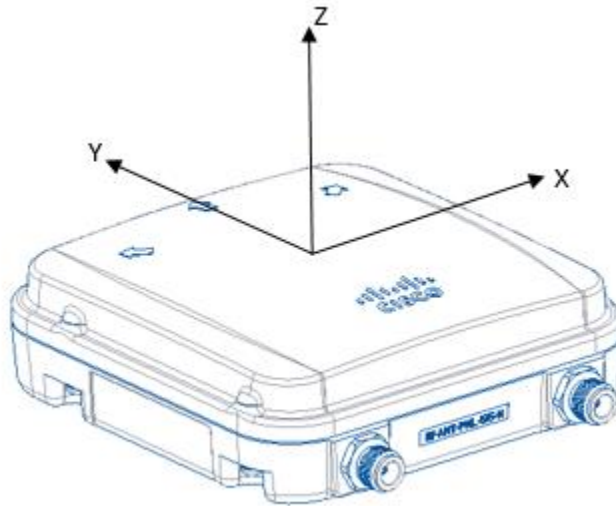
Device size	191mm * 175mm * 58mm
Cable length	3 m
Cable Type	LMR 240
Connector	N-Type, female
Wind rating	200 km/h (max)
Operating temp	-40 to +85 °C
Flammability	UL-94, V0
IP rating	IP66, IP67

4: Mechanical Drawing

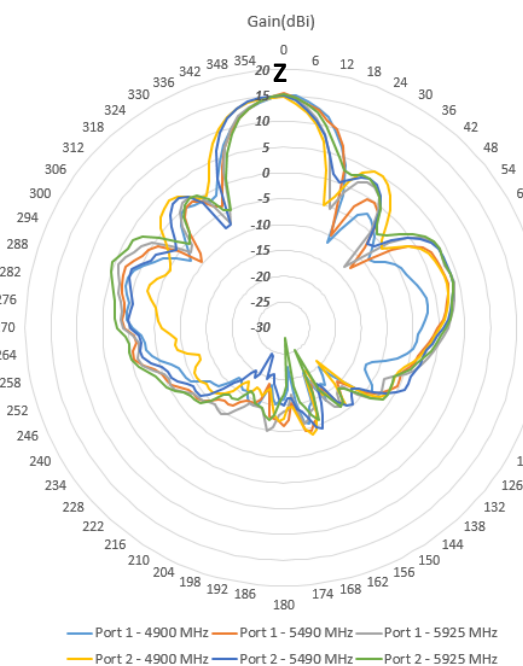


5: RF Performance: Radiation Patterns

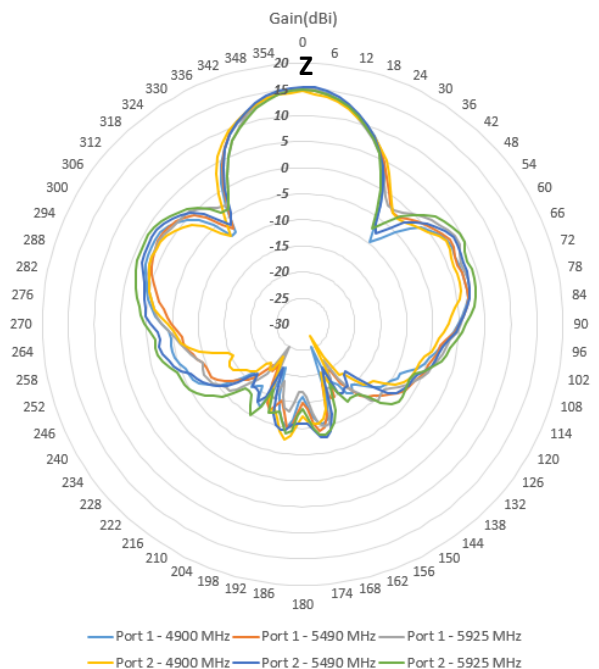
5.1: Radiation pattern test coordinate system with the DUT



5.2: 5 GHz Radiation Pattern

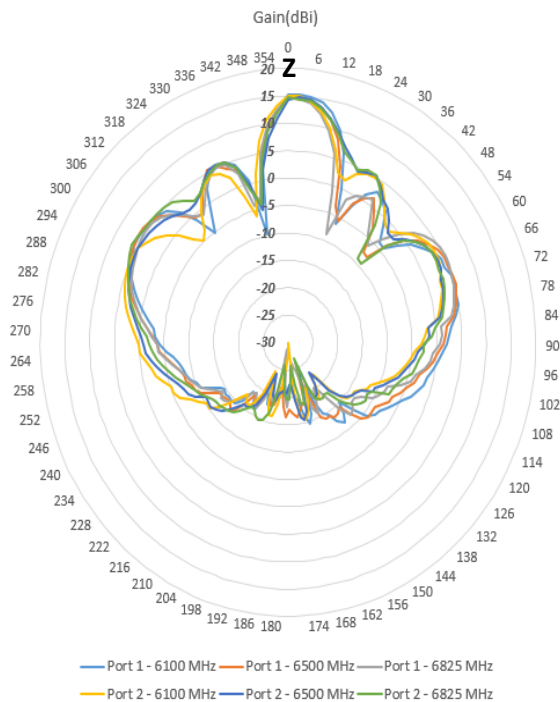


Vertical plane

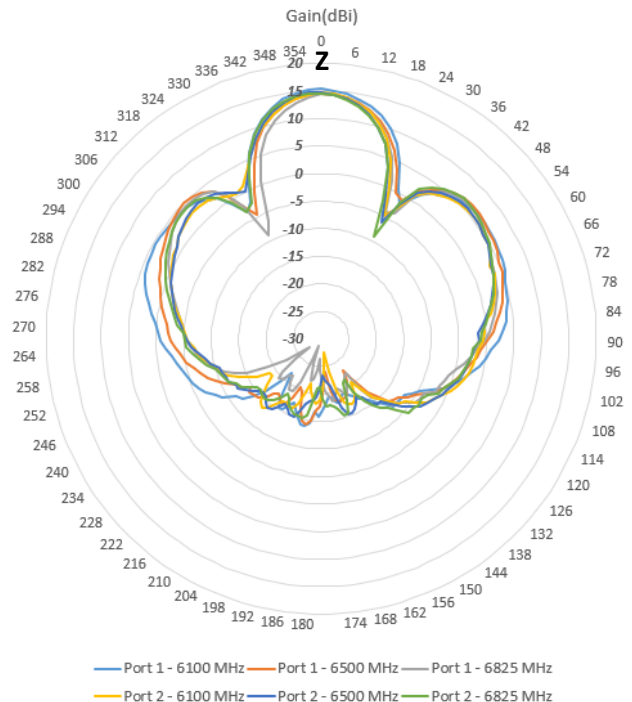


Horizontal plane

5.3: 6 GHz Radiation Pattern



Vertical plane



Horizontal plane

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