

OCX24688-CS1

2.4-2.484 GHz, 4.9-6.875 GHz TRI-BAND OMNIDIRECTIONAL ARRAY

The OCX24688-CS1 is a 2.4-2.484/4.9-6.875 GHz tri-band omnidirectional array antenna especially designed to complement interior or exterior mounted wireless network systems. The integrated male N-connector is embedded in the antenna base cap for direct AP mounting. Sealing permits either upright or inverted orientation in outdoor locations. The antenna may also be pole-mounted when separation from the AP is required for optimum positioning.

ELECTRICAL SPECIFICATION

Model Number	OCX24688-CS1			
Cisco Model Number	IW-ANT-OMV-2567-N			
Cisco Mfg Part Number	07-100827-01			
Antenna Type	Tri-Band Omnidirectional Array			
Operating Frequency (MHz)	2400-2484	4900-4990	5170-5330	5490-6875
VSWR - Max	2.5:1	2.2:1	2.0:1	2.0:1
Peak Gain, Max (dBi)	4	7	7	7
Average Gain, Near Horizon (dBi)	3.5 ± 0.5	5.0 ± 1.0	5.0 ± 1.0	5.5 ± 1.0
Average 3 dB Beamwidth (°)	37	23	22	20
Nominal Impedance (Ohms)	50			
Max Input Power - Ambient 25°C (W)	2			
Polarization	Vertical Linear			
Self-Identifying Antenna (SIA)	1-wire EEPROM			

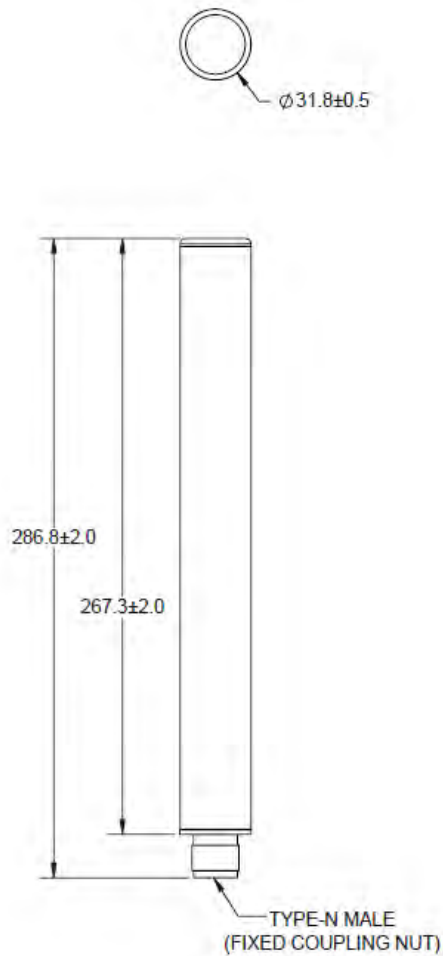
MECHANICAL SPECIFICATION

Dimension H x D - mm (inches)	286.8 x 31.8 (11.29 x 1.25)
Weight - kg (lbs.)	0.137 (0.3)
Radome Material	Stable Gray UV Polycarbonate
Connector	Type N Male
Wind Loading, Survival (mph)	165
IP Rating	IP-67

ENVIRONMENTAL SPECIFICATIONS

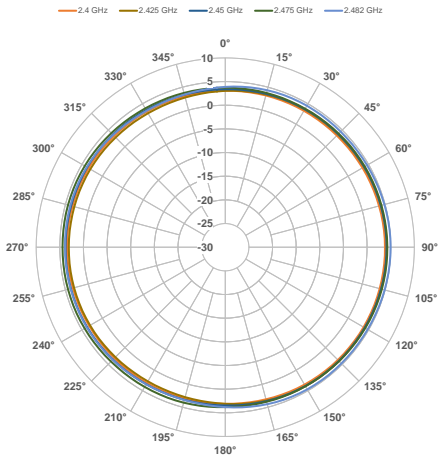
Operating Environment (Indoor or Outdoor)	Indoor/Outdoor
Operating Temperature - °C (°F)	-40 to +70°C (-40 to +158°F)
Storage Temperature - °C (°F)	-40 to +85°C (-40 to +185°F)
Material Substance Compliance	RoHS

MECHANICAL DRAWING AND MOUNTING

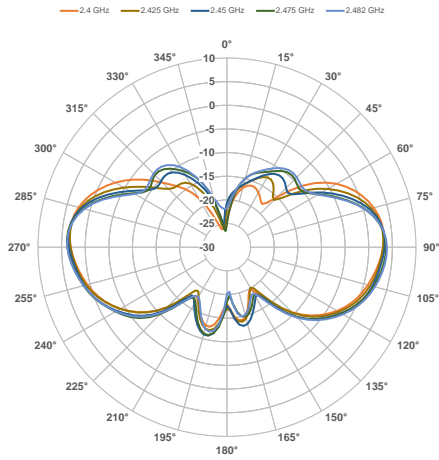


RADIATION PATTERNS

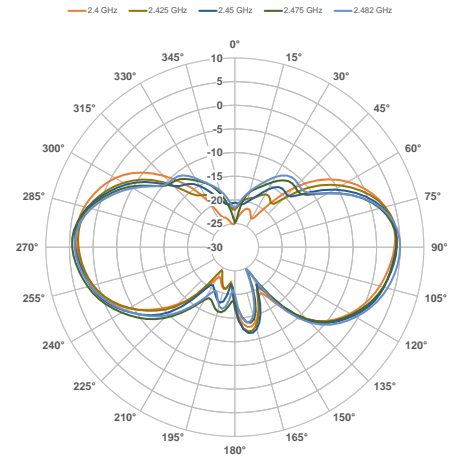
Azimuth Plane



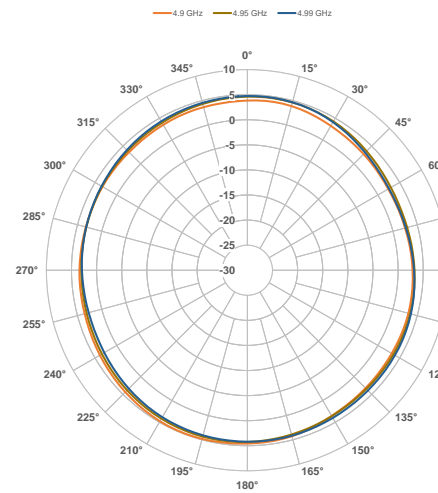
Phi 0° Plane



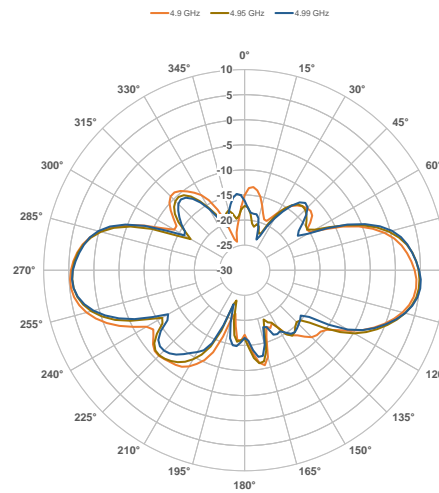
Phi 90° Plane



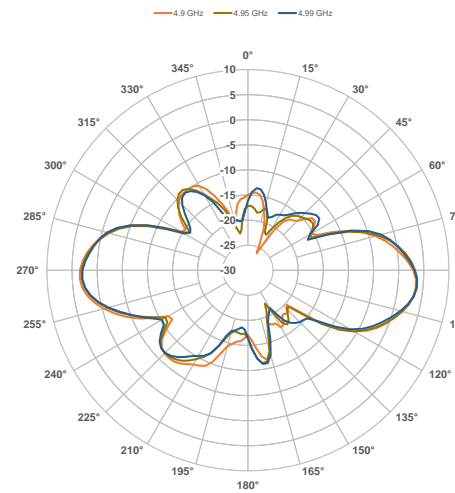
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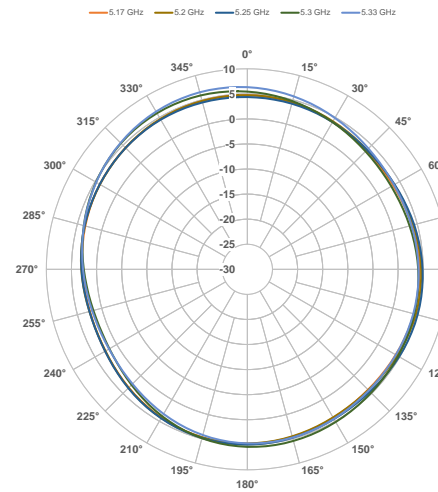
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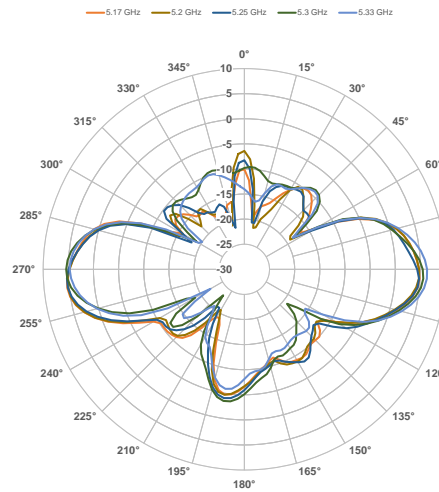
Phi 90° Plane



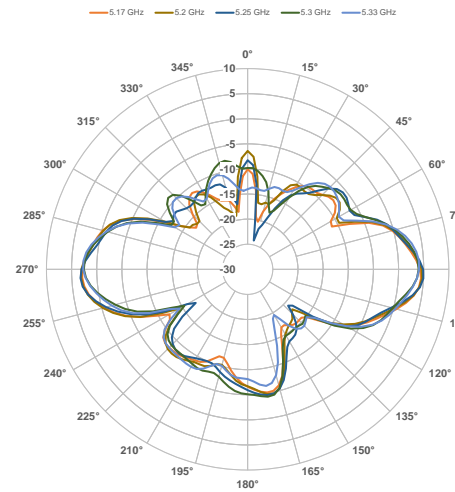
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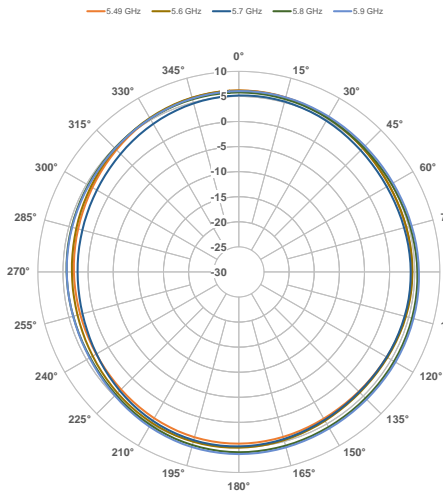
Phi 0° Plane



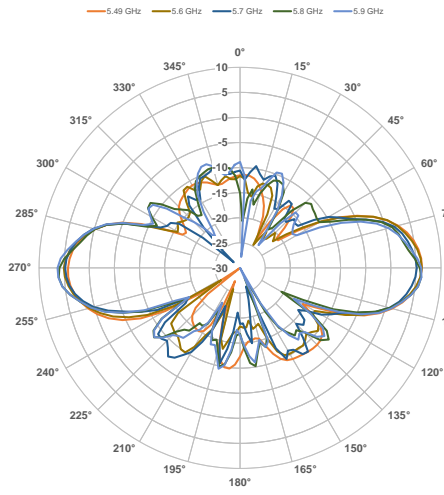
Phi 90° Plane



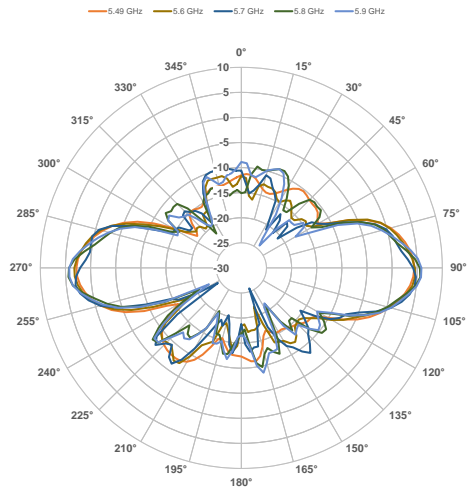
Azimuth Plane



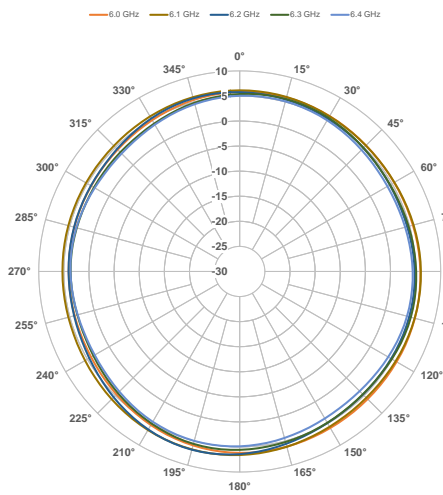
Phi 0° Plane



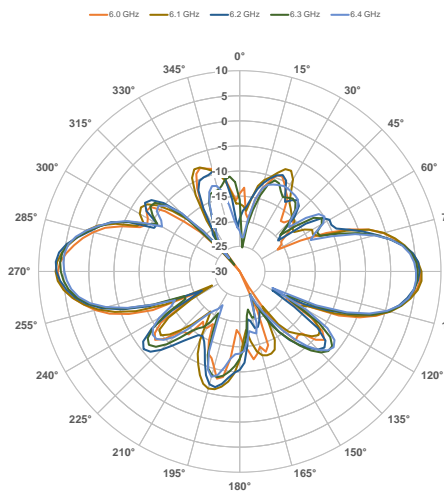
Phi 90° Plane



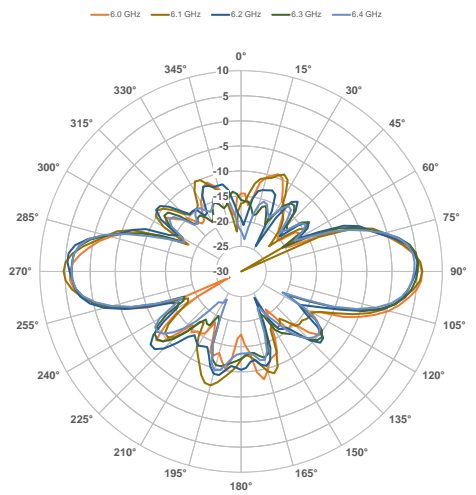
Azimuth Plane



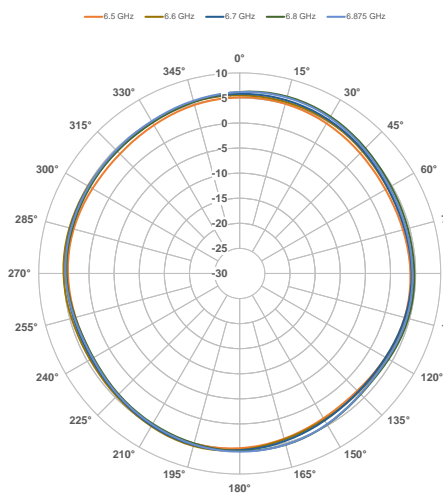
Phi 0° Plane



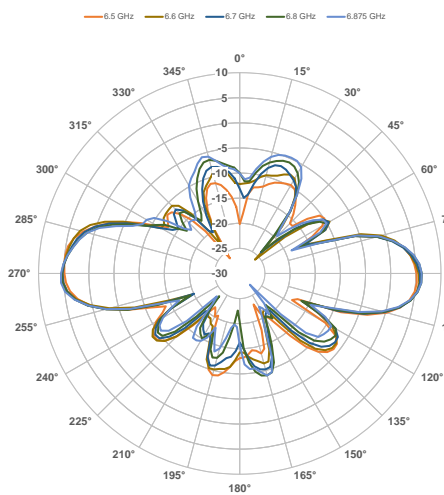
Phi 90° Plane



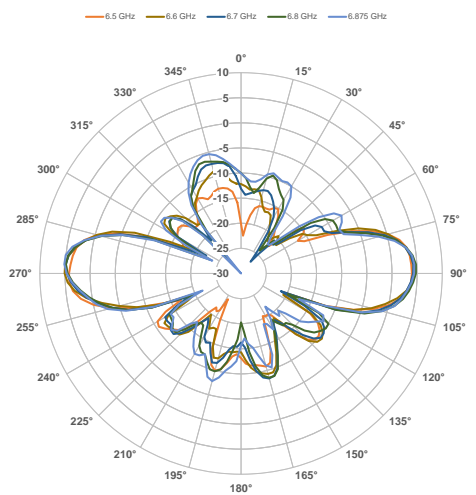
Azimuth Plane



Phi 0° Plane



Phi 90° Plane



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