



OCX24688H-CS1

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

The TE OCX24688H-CS1 is a 2.4-2.5/4.9-6.875 GHz tri-band Omni-directional 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	OCX24688H-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	2.8:1	2.8:1
Peak Gain, Max (dBi)	4	7	7	7
Average Gain, Near Horizon (dBi)	1.8 ± 0.5	2.5 ± 1.0	2.5 ± 1.0	2.5 ± 1.0
Average 3 dB Beamwidth (°)	62	31	29	26
Nominal Impedance (Ohms)	50			
Max Input Power - Ambient 25°C (W)	2			
Polarization	Horizontal Linear			
Self-Identifying Antenna (SIA)	1-wire EEPROM			

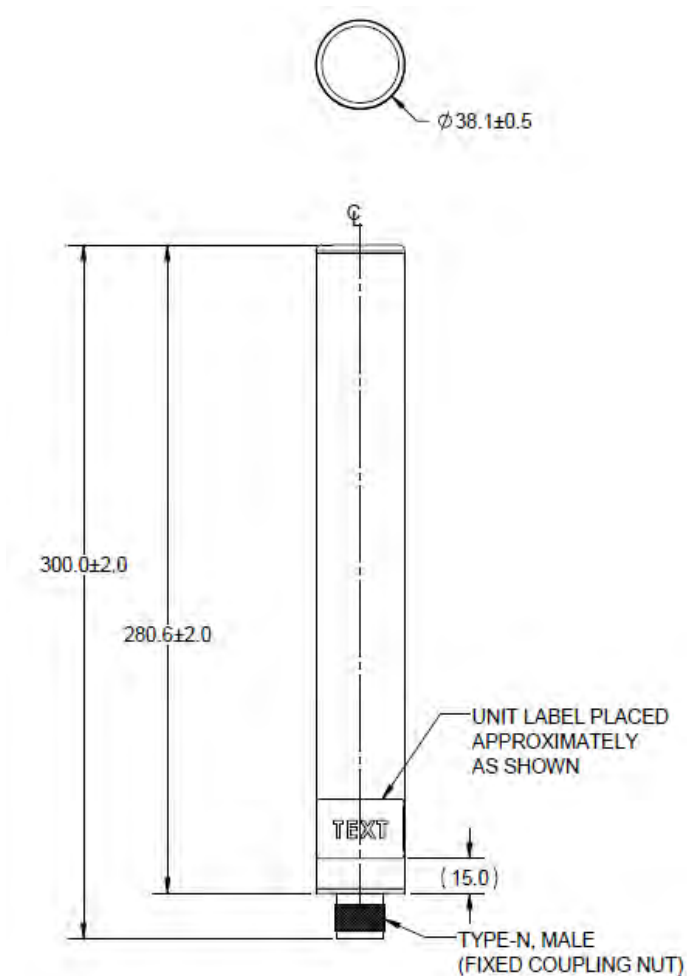
MECHANICAL SPECIFICATION

Dimension H x D - mm (inches)	300 x 38.1 (11.8 x 1.5)
Weight - kg (lbs.)	0.168 (0.37)
Radome Material	Stable Gray UV Polycarbonate
Connector	Type N Male
Wind Loading, Survival (mph)	165
IP Rating	IP-67

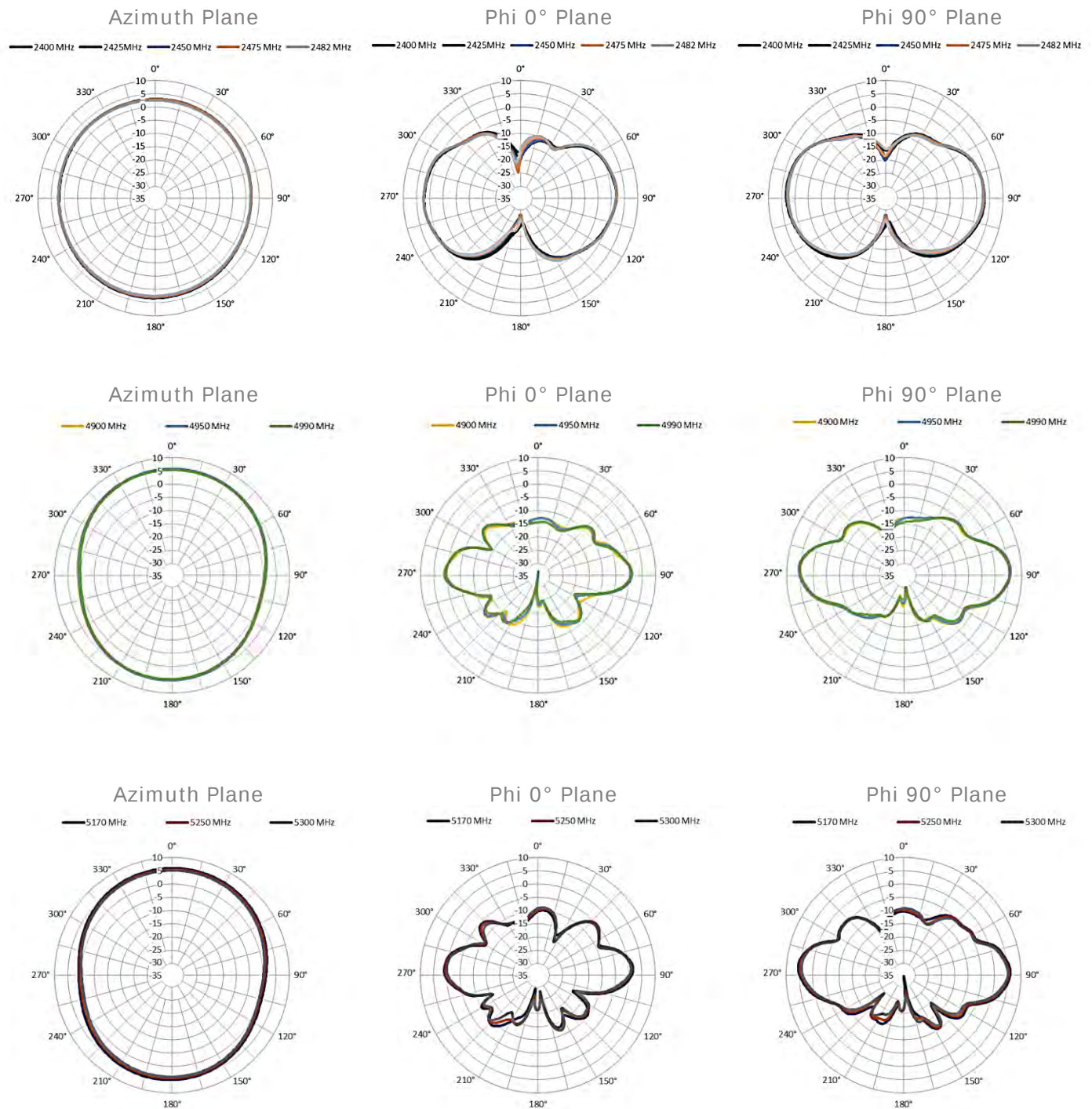
ENVIRONMENTAL SPECIFICATIONS

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



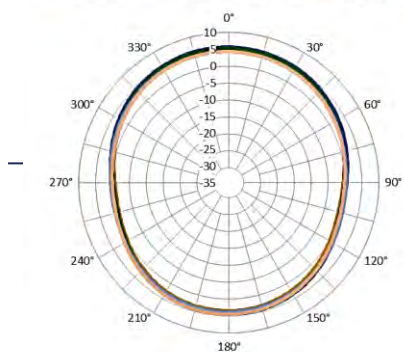
RADIATION PATTERNS



RADIATION PATTERNS

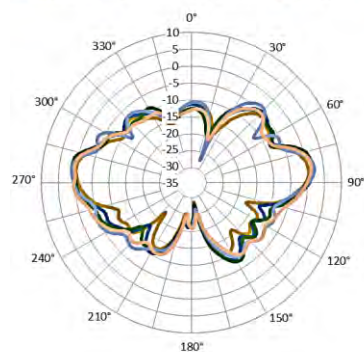
Azimuth Plane

5490 MHz 5600 MHz 5700 MHz 5800 MHz 5900 MHz



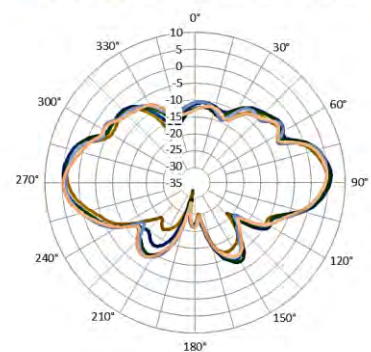
Phi 0° Plane

5490 MHz 5600 MHz 5700 MHz 5800 MHz 5900 MHz



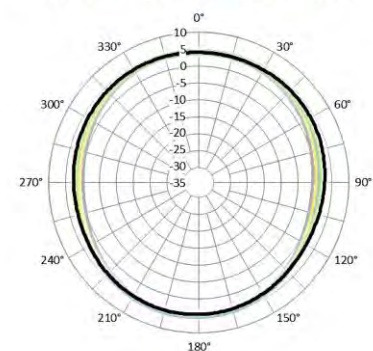
Phi 90° Plane

5490 MHz 5600 MHz 5700 MHz 5800 MHz 5900 MHz



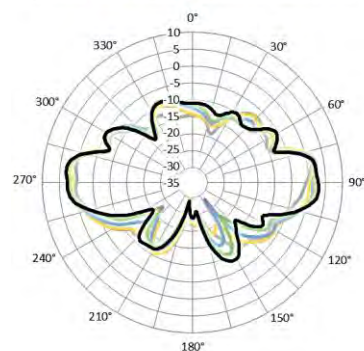
Azimuth Plane

6000 MHz 6100 MHz 6200 MHz 6300 MHz 6400 MHz



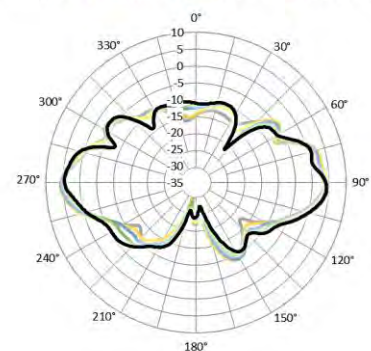
Phi 0° Plane

6000 MHz 6100 MHz 6200 MHz 6300 MHz 6400 MHz



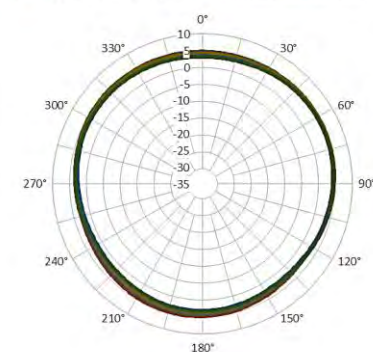
Phi 90° Plane

6000 MHz 6100 MHz 6200 MHz 6300 MHz 6400 MHz



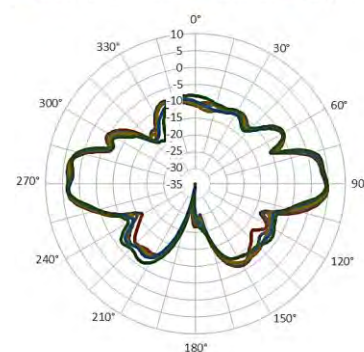
Azimuth Plane

6500 MHz 6600 MHz 6700 MHz 6800 MHz 6875 MHz



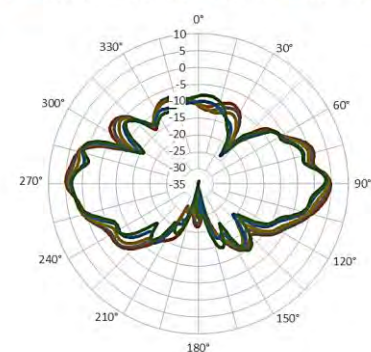
Phi 0° Plane

6500 MHz 6600 MHz 6700 MHz 6800 MHz 6875 MHz



Phi 90° Plane

6500 MHz 6600 MHz 6700 MHz 6800 MHz 6875 MHz



Company Address: TE Connectivity, 3101 Fulling Mill Road, Middletown, PA, 17057, USA

TE TECHNICAL SUPPORT CENTER

USA:	+1 (800) 522-6752
Canada:	+1 (905) 475-6222
Mexico:	+52 (0) 55-1106-0800
Latin/S. America:	+54 (0) 11-4733-2200
Germany:	+49 (0) 6251-133-1999
UK:	+44 (0) 800-267666
France:	+33 (0) 1-3420-8686
Netherlands:	+31 (0) 73-6246-999
China:	+86 (0) 400-820-6015

te.com

TE, and TE connectivity (logo) are trademarks owned or licensed by the TE Connectivity Ltd. family of companies. All other logos, products and/or company names referred to herein might be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

TE Connectivity warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations TE Connectivity will, at its option, either repair or replace any part of its products that prove defective because of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the TE Connectivity product is installed. Useful lifetime of the original end product may vary but is not warranted to exceed one (1) year from the original date of the end product purchase.

©2022 TE Connectivity. All Rights Reserved.

01/23 **Original**