



L000659-02

Wi-Fi 6E Tri-Band Omni Array Antenna 2.4-2.5, 4.9-6.0, 6.0-7.125 GHz

L000659-02 is a 2.4-2.5, 4.9-6.0, 6.0-7.125 GHz center-fed tri-band omnidirectional array antenna especially designed to complement interior or exterior mounted Wi-Fi 6E wireless network systems.

The antenna is supplied with an integrated and rotatable type-N male connector and sleeved base for ease of installation.

Sealing permits upright orientation in both indoor and outdoor locations, or inverted orientation for indoor mounting.

FEATURES AND BENEFITS

- Tri-Band Wi-Fi coverage including legacy Wi-Fi, Wi-Fi 6, Wi-Fi 6E and Wi-Fi 7
- High performance beam pattern
- Direct to access point (AP) mounting
- Suitable for upright or inverted orientations

APPLICATIONS

- WLAN
- Wi-Fi - Wi-Fi 7 (802.11be), Wi-Fi 6E (802.11ax), Wi-Fi 6 (802.11ax), Wi-Fi 5 (802.11ac), Wi-Fi 4 (802.11n), 802.11b/g
- Automation and control
- Outdoor and indoor applications

ELECTRICAL SPECIFICATION			
Operating Frequency (MHz)	2400-2500	4900-6000	6000-7125
VSWR - Average	<2.0:1		
Peak Gain - Max (dBi)	3.0	5.8	6.2
Total Efficiency Average (%)	80	79	76
Average 3 dB Beamwidth (°)	50	20	20
Input Max Power (W)	2		
Polarization	Linear, Vertical		
Azimuth Beamwidth (All Models)	360°, Omnidirectional		
Nominal Impedance (Ohms)	50		

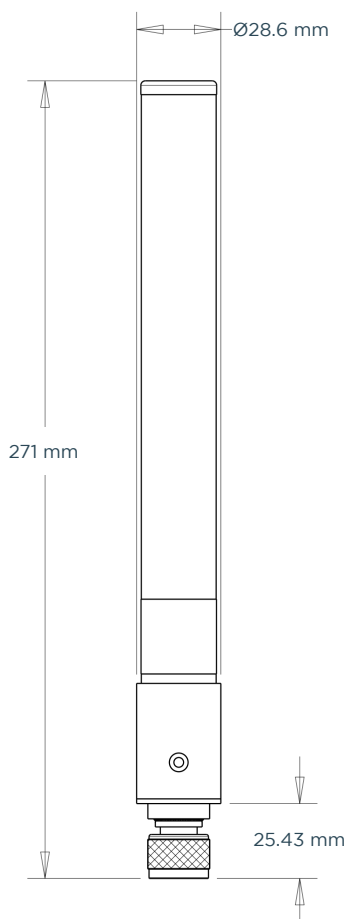
MECHANICAL SPECIFICATION

Dimensions – height x circumference – mm (in.)	271 x Ø28.6 (10.67 x Ø1.13)
Weight – g (lbs.)	137 (0.30)
Radome	Polycarbonate, UV (White)
Connector	Type-N Male (Rotatable)
Wind Loading mph (kph)	120 (193)
Vibration	IEC 60068-2-64 (Vibration, broad-band random)
Shock	IEC 60068-2-27
Earthquake	IEC 60068-2-6 [Fc]

ENVIRONMENTAL SPECIFICATION

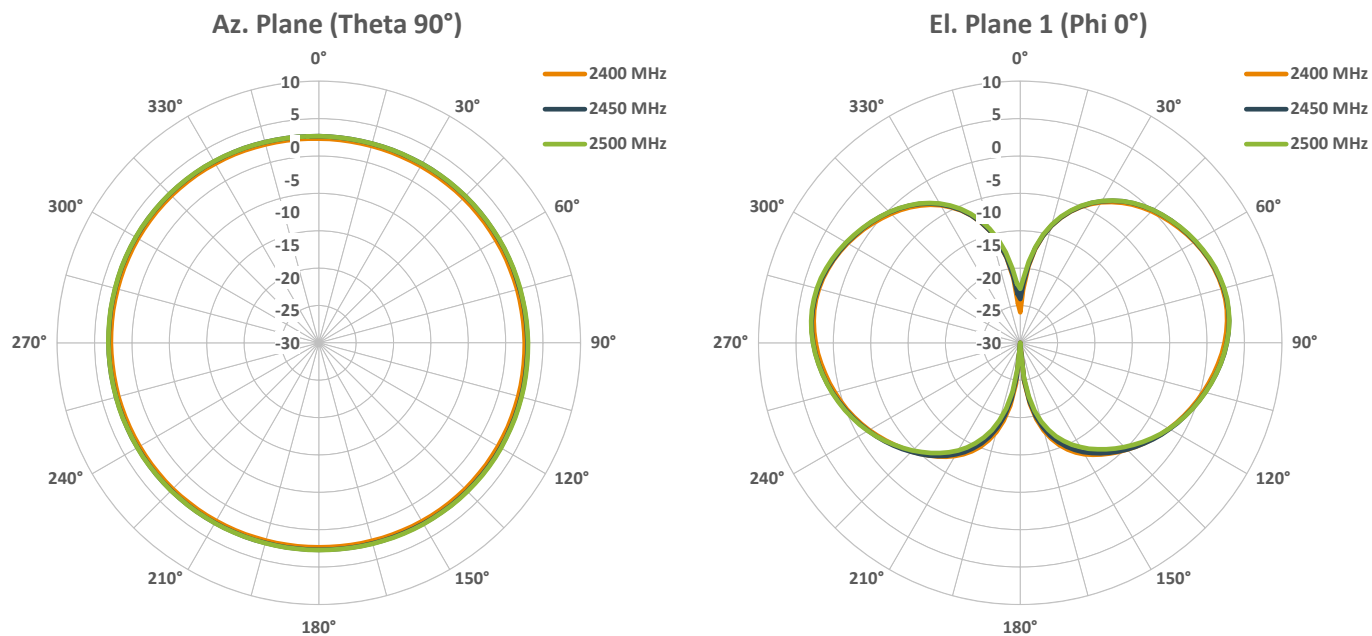
Operating Temperature – °C (°F)	-40 to +70°C (-40 to +158°F)
Storage Temperature – °C (°F)	-40 to +70°C (-40 to +158°F)
Material Substance Compliance	RoHS Compliant CE & UKCA

MECHANICAL DRAWINGS

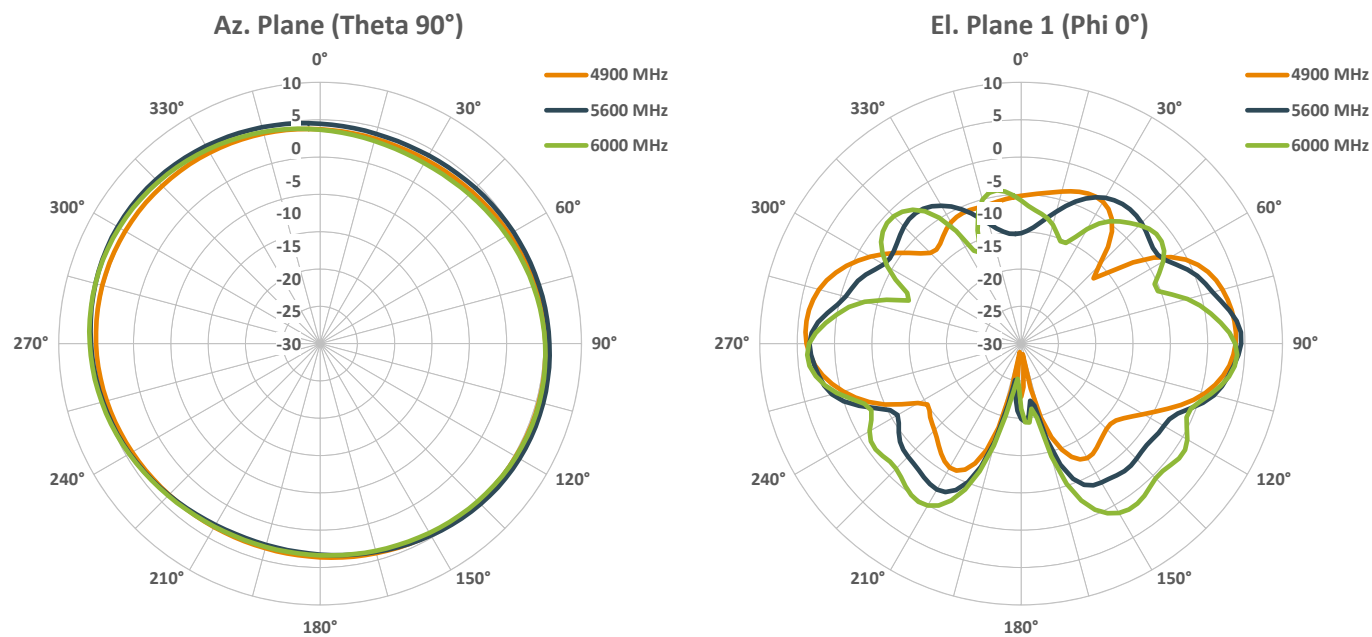


RADIATION PATTERNS

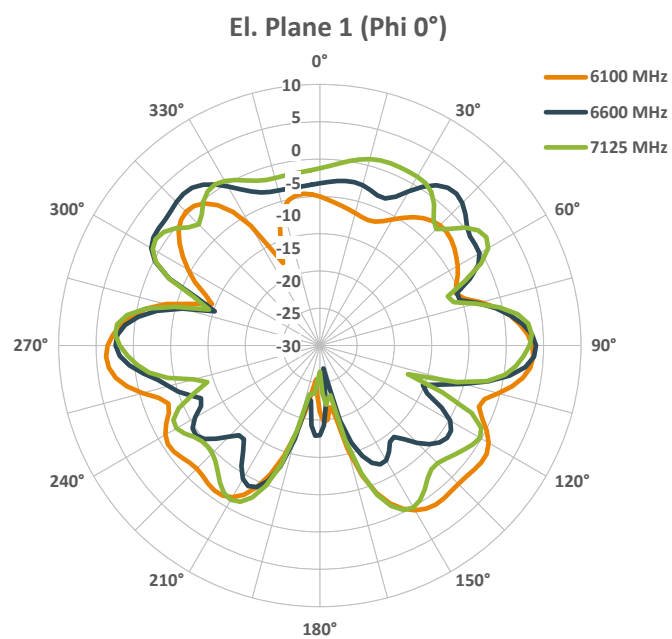
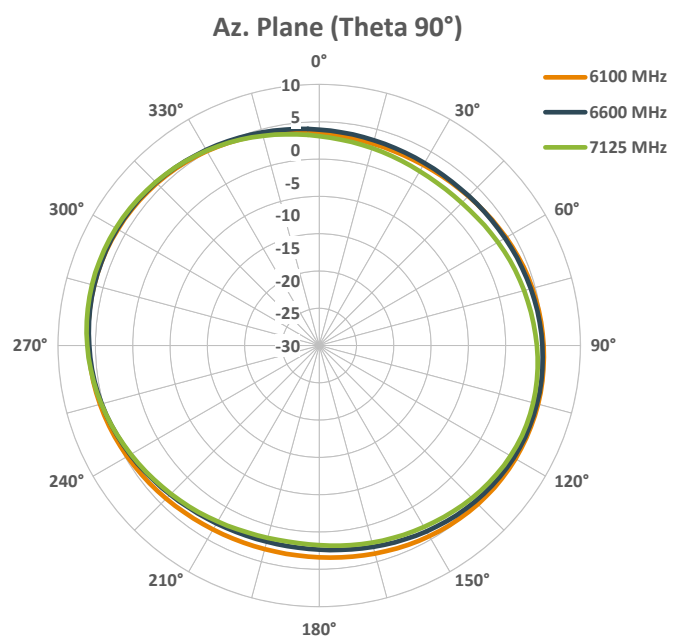
Radiation Patterns at 2.4 - 2.5 GHz



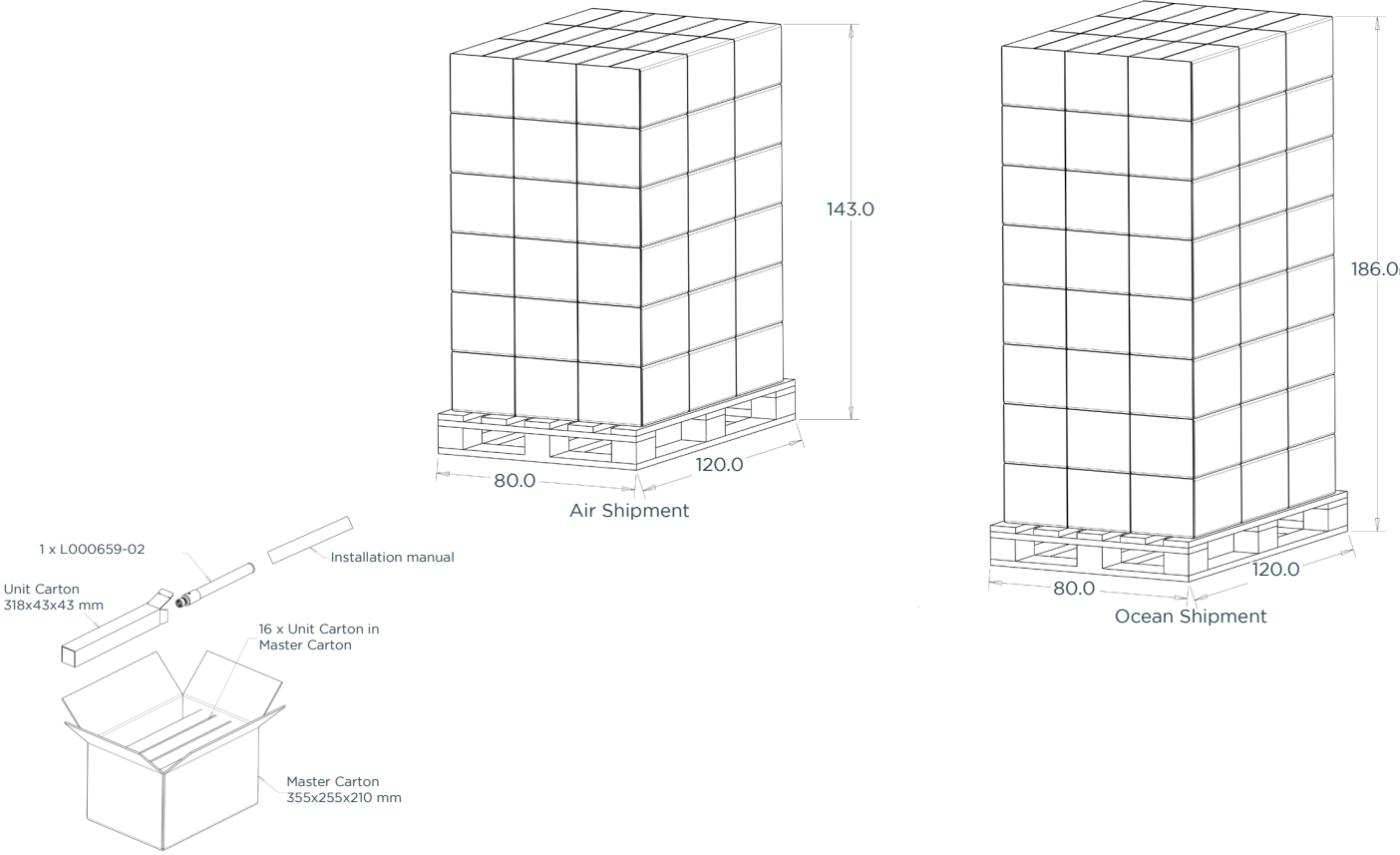
Radiation Patterns at 4.9 - 6.0 GHz



Radiation Patterns at 6.0 - 7.125 GHz



PACKING INFORMATION



PACKAGED DIMENSIONS	Unit Carton	Master Carton	Air Palet	OCEAN PALLET
Number of Antennas	1	16	864	1152
Height cm (in)	31.8 (12.52)	21.0 (8.27)	143.0 (56.3)	186.0 (73.23)
Length cm (in)	4.3 (1.70)	35.5 (13.98)	120.0 (47.24)	120.0 (47.24)
Width cm (in)	4.3 (1.70)	25.5 (10.04)	80.0 (31.5)	80.0 (31.5)
Est. Shipping Weight kg (lbs.)	0.19 (0.42)	3.27 (7.21)	188.58 (415.75)	247.44 (545.52)

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