NEXTIVITY
Smarter by Design

Data Sheet

Wideband Directional Antenna

Compact Directional Donor Antenna

MODEL NUMBERS: A32-UV2-400, A32-UV4-400, A32-UV7-400

The Wideband Directional Antenna is a donor antenna for CEL-FI deployments, delivering 617 MHz to 4200 MHz LTE and 5G coverage, 7.4 to 10.2 dBi gain, and up to an 18 dB front-to-back ratio for focused donor-site performance. Built for rooftop or mast installation, it includes a UV-stabilized ABS radome, aluminum reflector, 4.3-10, SMA, or N-type female connector options, COMPASS XR and WAVE PRO antenna-pointing app compatibility, standard brackets, and Antenna Mount support.

Wideband Directional Antenna

Features and benefits:

- SISO donor antenna designed for CEL-FI systems.
- Wide 617–4200 MHz operating frequency range.
- Strong directional performance: up to 10.2 dBi gain, high front-to-back isolation, and narrow beamwidths help optimize SINR from the donor site.
- Flexible installation: compact, lightweight design with connector options, pole mounting, and COMPASS XR and WAVE Pro app support.

Electrical Specifications

Frequency	617–698 MHz	698–960 MHz	1710–2700 MHz	3300–4200 MHz
Network Technology	2G/3G/4G/5G			
Gain	7.4 dBi	9.2 dBi	10.2 dBi	10 dBi
VSWR	2.5:1 max.	2.0:1 max.	1.8:1 max.	2.0:1 max.
Polarization	Vertical			
Horizontal Beamwidth	97°	86°	72°	63°
Vertical Beamwidth	69°	60°	54°	46°
Front to Back Ratio	7 dB min.	17 dB min.	18 dB min.	15 dB min.
Impedance	50 Ω nom.			
Power Rating	50 W max.			

Mechanical Specifications

Connector	A32-UV2-400: 1x SMA Female
	A32-UV4-400: 1x N-type Female
	A32-UV7-400: 1x 4.3-10 Female
Pigtail Cable	11.8 in (0.3m) RG58
Random Material & Color	UV Stabilized ABS, White(RAL 9003)
Operating Temperature	-40 to 149 °F (-40 to 65 °C)
Storage Temperature	-40 to 149 °F (-40 to 65 °C)
Ingress Protection Rating	IP65 when pole mounted
Mounting	Pole Mount only, Ø1.50 to Ø2.05 in (Ø38 to Ø52 mm)
Unit Dimensions	17.44 x 8.27 x 2.56 in (443 x 210 x 65 mm)
Unit Weight	1.10 lbs (0.5 kg)

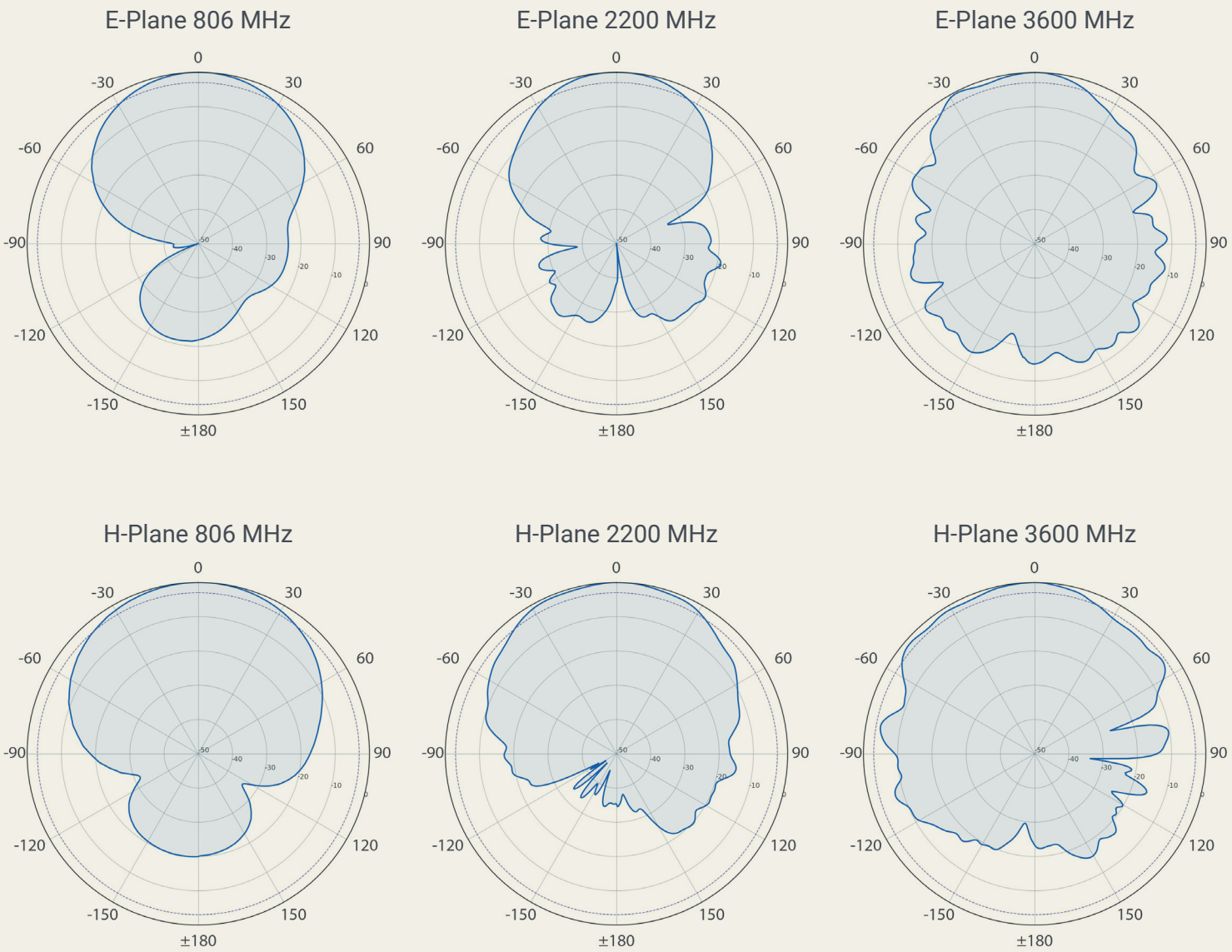
Compliance

CE	Compliant
RoHS	EN 63000: 2018 Compliant

Ordering Information

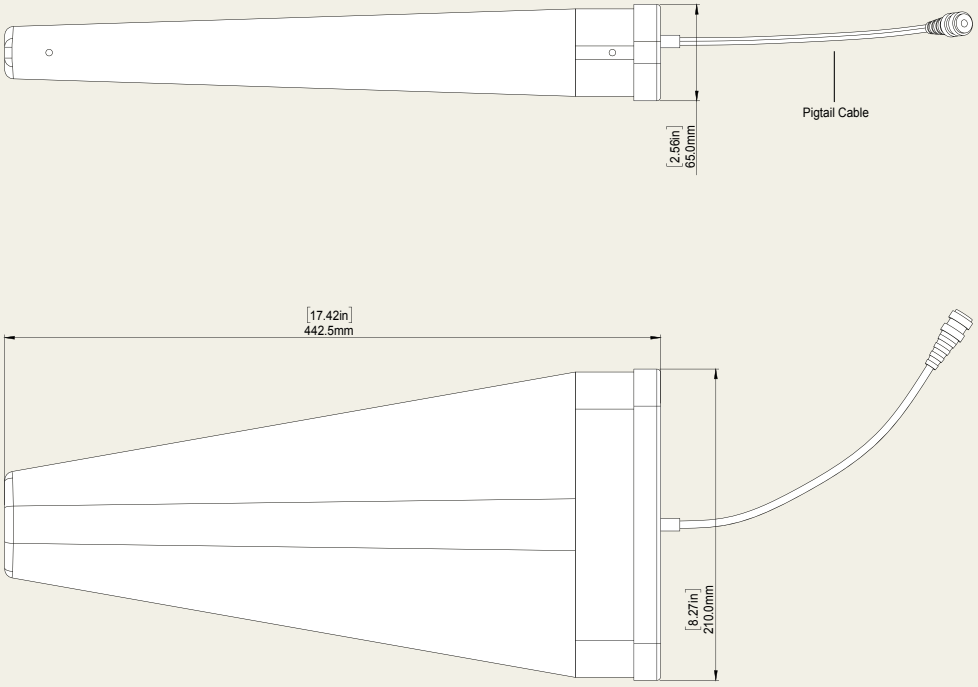
Model Number	A32-UV2-400	A32-UV4-400	A32-UV7-400
Region	AMER/EMEA/APAC		
Box Contents	Main Unit		
	Pole Mounting Kit		
Shipping Dimensions	19.88 x 8.63 x 2.88 in (505 x 219 x 73 mm)		
Shipping Weight	1.98 lbs (0.9 kg)		
GTIN-12 (U.P.C.)	812037034077	812037034626	812037034633

Radiation Pattern



*Note: Nextivity partners can access iBwave VEX files and design templates, along with MSI radiation pattern files in the Partner Portal. If you do not have access to the Portal, please send your request for information to info@nextivityinc.com.

Outline Drawing



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