



FEATURES

- › Meets class IP65 dust and water immersion protection standards
- › Wide range of beamwidths in one product
- › Includes Pole Mounting Hardware
- › Includes Two N-type to N-type LMR-195 1 meter coax cables
- › Ultra wideband frequency performance
- › High gain antenna in compact package
- › Low profile, rugged design for outdoor use
- › Lifetime Warranty

Antenna

Frequency Range	4.94 - 5.875 GHz
Polarization	Dual Linear, Vertical and Horizontal
Horizontal (AZ) Beamwidth	60° (at 3dB), 90° (at 3dB), 120° (at 6dB)
Gain (dBi)	18, 17, 16
Vertical (EL) Beamwidth	8.0°
VSWR 4.94 - 5.875 GHz	1.5:1 Typical
Front-to-Back Ratio	>25dBi
Cross Polarization	>25dBi
Sidelobe Level	>12dBi
Port to Port Isolation	>25dBi
Power Rating	20W
Impedence	50 ohms
Lightning Protection	DC Ground

Connectors

Antenna	2 × N-Type Jack
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Electrical & Mechanical

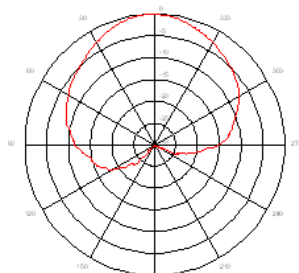
Size (L × W × H)	15 × 6.4 × 2.5 in. (38.1 × 16.26 × 6.35 cm)
	Excluding Bracket and Adjustment Slide
Pole Mount Diameter Range	2.0 to 2.75 in (5.0 to 7.0cm)
Mechanical Downtilt	+15°/-30°
Unit Weight:	5lbs/2.3kg

Environmental

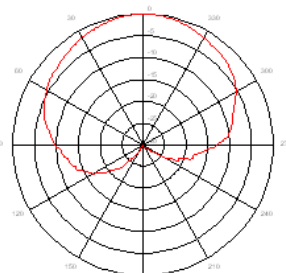
Radome	IP-65 UV stabilized ABS plastic
MTBF	>100,000 hours
Wind Survivability	125mph (201kph)
Wind Load	0.67ft ²
Operating Temp	-45° C to +75° C
Storage Temp	-45° C to +85° C
Relative Humidity	5% to 95%

NOTE: In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

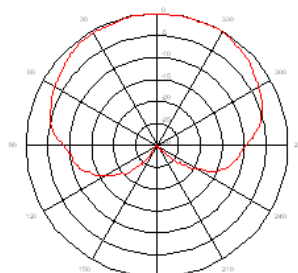
RF PATTERNS



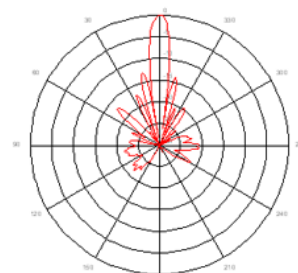
60° Horizontal



90° Horizontal



120° Horizontal



Vertical, Typical

Part Number	Description
NWAVBSA1	External Dual Polarization Variable Beam Sector Antenna
Included Accessories	Mounting Hardware Kit, Two 1m long N to N-type outdoor cables included