



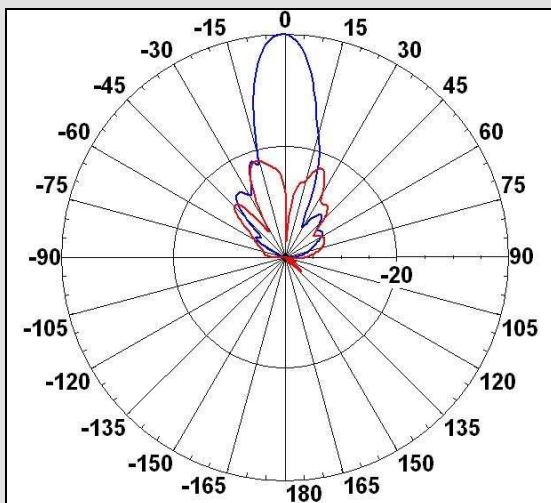
XA-22-A 5GHZ BROADBAND ANTENNA



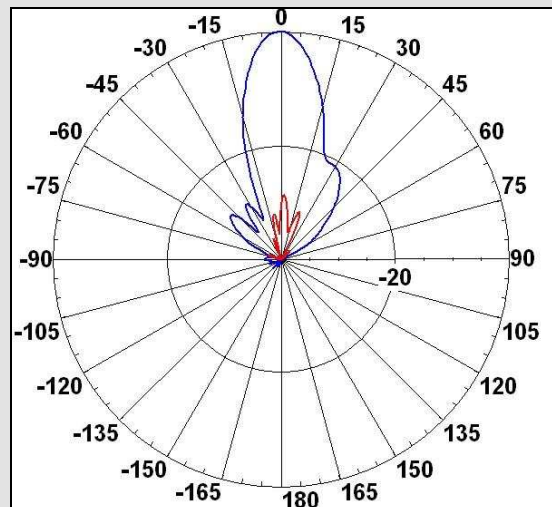
The Acurix Networks XA-22-A 5.15-5.875 GHz 22 dBi broadband antenna is available in 2 options:

-  Standalone with an N connector; or
-  Integrated with an enclosure as used in the Acurix Networks X1-A-22 108 Mbps intelligent bridging node

Azimuth Radiation Pattern
Midband Freq. 5.47 GHz



Elevation Radiation Pattern
Midband Freq. 5.47 GHz



Electrical Specifications

REGULATORY COMPLIANCE	ETSI EN 302 085 V.1.1.2 (2001-02) Range 1 RoHS, CE 0682
FREQUENCY RANGE	5.15 – 5.875 GHz
GAIN	21.5dBi (min) @ 5.15-5.25GHz & 22 dBi (min) @ 5.25-5.875GHz
VSWR	1.9:1 @ 5.15-5.25 GHz & 1.7:1 @ 5.25-5.875 GHz
3 DB BEAMWIDTH	AZ 9°(typ) & EL 9°(typ)
POLARIZATION	Linear Vertical or Horizontal
SIDELOBES	ETSI EN 302 085 V.1.1.2 (2001-02) TS1-TS3
CROSS POLARIZATION DISCRIMINATION	-28dB (max)
CROSS POLARIZATION	ETSI EN 302 085 V.1.1.2 (2001-02) TS1-TS3
F/B RATIO	-35 dB (max)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	6W (max)
LIGHTNING PROTECTION	DC Grounded

Mechanical & Environmental

DIMENSIONS (LXWXD)	305x305x15mm (max)
WEIGHT	1.2 kg (max)
CONNECTOR	N-Type Female
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
TEMPERATURE RANGE	-55°C to +71°C
HUMIDITY	ETSI EN300-2-4 T4.1E TO 95%
WATERTIGHTNESS	IP67
SOLAR RADIATION	ASTAM G53 1000h
WIND SPEED	Survival 220 Km/h & Operation 160 Km/h
ICE AND SNOW	25mm Radial



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