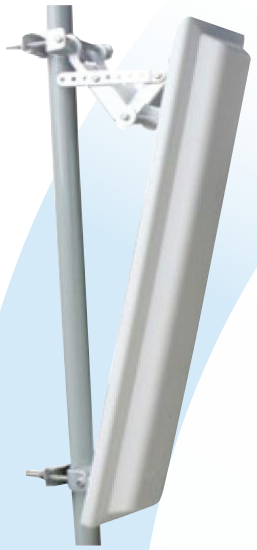
Innovative **Technology** for a **Connected** World

SA4958-120-19-DP
MIMO Sector Antenna



5 GHz 19 dBi MIMO SECTOR ANTENNA

The Laird Technologies SA4958-120-19-DP 5.5 GHz wide-band, dual-slant polarized 120° sector antenna covers frequencies from 4.9-5.85 GHz. Extremely low-side lobes, null fill below the horizon, and uniform energy distribution with the coverage area are achieved thanks to our highly skilled engineering staff and the utilization of our proprietary Artificial Intelligence RF Optimizing development tool. Laird Technologies' suite of high-performance sector antennas feature proprietary design elements resulting in extremely high levels of system performance and ruggedness while maintaining very slim profiles with low wind and ice loading.

FEATURES RoHS

- 4.9-5.85 GHz full-band coverage
- Ultra low-side lobe performance
- Maximum null fill below the horizon
- Uniform cell coverage
- Rugged carrier class construction

MARKETS

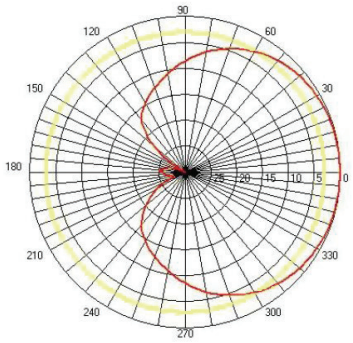
- High multi-path environment
- Large carrier class deployment
- Wireless broadband service provider
- Optimized for MIMO space time processing
- WiMAX

SPECIFICATIONS

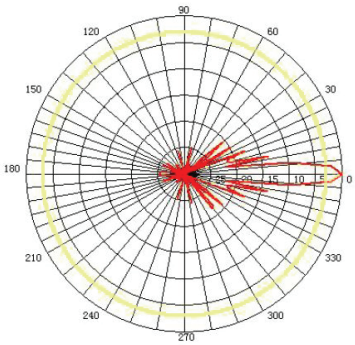
PARAMETER	SPECIFICATIONS
Frequency Range	4900-5850 MHz
Bandwidth	950 MHz
Gain	2 x 19 dBi
Horizontal Beamwidth	120°
Vertical Beamwidth	4°
F/B Ratio	>20 dB
Isolation	>25 dB
VSWR	<1.5 Typel; Max 1.7
Nominal Impedance	50Ω
Polarization	V and H
Max. Power	100 W
Dimension	700 mm x 140 mm x 50 mm
Weight	3 kg
Rated Wind Velocity	60 m/s
Connector Type	2 x N-female
Diameter Of Pole	30-70 mm

ANTENNA PATTERNS

H Plane



E Plane



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