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

Broadband Wireless Antenna

J33017S00-65N

3.5 GHz HIGH-PERFORMANCE 65° BEAMWIDTH DUAL 45° SLANT SECTOR

The Laird Technologies J33017S00-65N 3.5 GHz wideband, dual slant sector antenna, covers frequencies from 3.3 to 3.8 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. The antenna meets all aspects of ETSI EN 302.326-3 SS3. Laird Technologies' suite of high-performance sector antennas features proprietary design elements, resulting in extremely high levels of system performance and ruggedness while maintaining very slim profiles with low wind and ice loading.

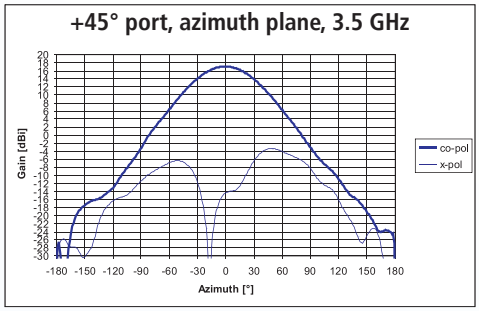
FEATURES RoHS

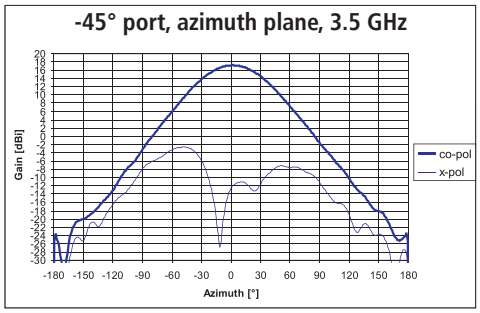
- Low side lobe performance
- Null fill below the horizon
- Excellent f/b ratio
- High level antenna-to-antenna co-located isolation
- Optimized for maximum ratio combining
- Rugged tilt-mount hardware included

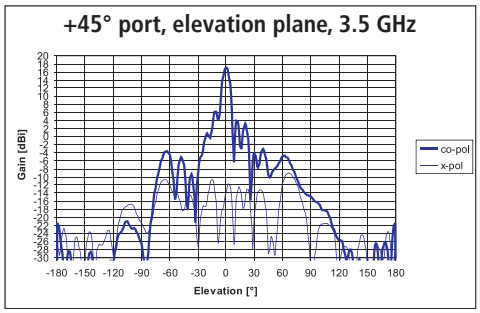
MARKETS

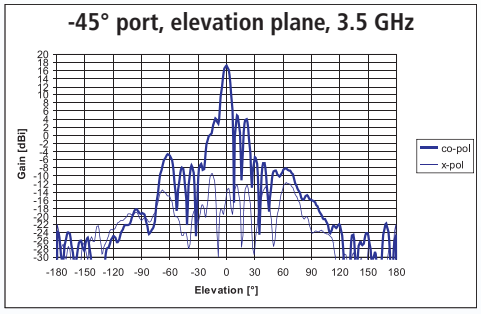
- High multi-path environment
- Large carrier class deployment
- WiMAX service provider
- Ideal base station antenna for high density wireless network coverage in mobile and fixed applications

ANTENNA PATTERNS









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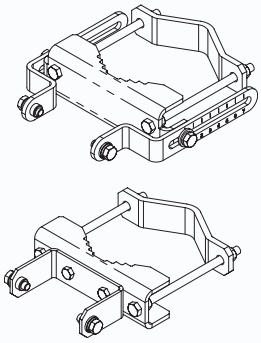
J33017S00-65N

SPECIFICATIONS

PARAMETER	SPECIFICATIONS
Antenna part number	J33017S00-65N
Frequency range	3.3-3.8 GHz
Minimum gain	16 dBi
Maximum VSWR	1.8:1, 1.5:1 Typ
3 dB beamwidth- Azimuth	65°
3 dB beamwidth- Elevation	7°
Elevation null fill	Down to -25°
Azimuth sidelobes	ETSI EN 302.326-3 SS 2
Polarization	+45° and -45°
Port-to-port isolation	> 25 dB
Front-to-back ratio	> 35 dB
Maximum input power	30 W average, 360 W peak
Input impedance	50 ohm
Typical cross polarization	<-20 dB
Mechanical size	28.2 in x 4.8 in x 2.7 in
Antenna weight	3.0 kg
Wind survival rating	Operational 100 mph/ Survival 136 mph
Antenna connection	Type N female
Radome	ASA Grey
Mount style	Mast mount
Mounting hardware	Tilt mount kit 1.5 in to 4.5 in dia.
Temperature	-40°C to +70°C
Lightning protection	DC-grounded



Mounting Kit:
JBXRK-01-TM5

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