Laird TECHNOLOGIES®

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

S5151290P12SMF
Directional Antenna

WIDE ANGLE COVERAGE DIRECTIONAL ANTENNA

Laird Technologies' 12 dBi gain 90° "Wide H-plane" sectored antenna offers the systems integrator both an antenna for use with sectorized base stations and wide area coverage directional antenna for use where a wide directional pattern characteristic would be preferable to an omnidirectional pattern characteristic. Enclosed in an attractive UV-stable weatherproof radome, it is both attractive enough to satisfy indoor aesthetic requirements and rugged enough to withstand outdoor exposures.

Anywhere from one to four of the 90° sectored antennas can be deployed at abase station site depending on the area coverage that is called for and single antennas can be mounted to a wall or mast to provide wide area directional coverage. An articulating mount can be used to mount the antenna to a mast and can also be used to customize the antenna pattern tilt whether mounting to a mast or wall surface. The design is both electrically and mechanically robust ensuring a lifetime of stable, trouble-free service and predictable, reliable, consistent performance.

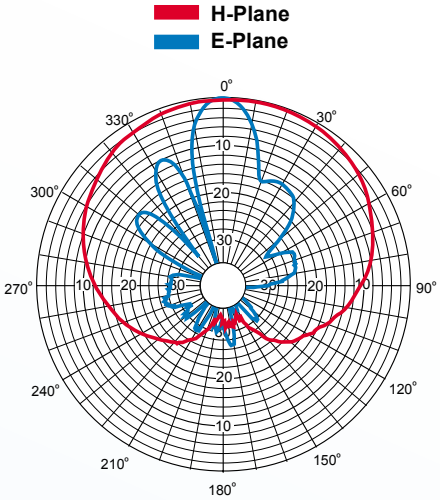
FEATURES

- UV stable weatherproof radome
- Optional articulating mounts

MARKETS

- WiMAX

PARAMETER	SPECIFICATION
Model number	S5151290P12SMF
Frequency (GHz)	5.15 - 5.35
Gain (dBi)	12
VSWR 5.15 - 5.25 GHz	2.0:1
VSWR 5.25 - 5.35 GHz	1.5:1
E-Plane (3dB beamwidth)	16°
H-Plane (3dB beamwidth)	90°
Polarization	Linear Vertical
Weight (Antenna Only) lb. (kg)	0.4 (.18)
Mounting Style	Wall / Mast
Front-to-back ratio (dB)	25
Dimensions in (cm)	2.4 x 9.5 x 1.0 (6.1 x 24.2 x 2.6)
Enclosure	Polycarbonate
Power (Watts)	20
RF Connector (f)	SMA
Pigtail (in)	12



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ANT-DS-S5151290P12SMF 0611

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