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# Vertical or Horizontal Polarized Broadband Directional Antenna

## YE572113

### 5725-6000 MHz VERTICAL OR HORIZONTAL POLARIZED DIRECTIONAL ANTENNA

The Laird YE572113 12.5 dBi gain directional antenna operates in the 5725-6000 MHz band and is designed to complement interior or exterior mounted wireless communication systems. The YE572113 directional antenna provides high gain performance and is configured with a 30 cm Plenum Rated cable terminated with an SMA connector. The YE572113 standard articulating arm mount enables either wall or mast mounting providing maximum installation flexibility. The Laird YE572113 high gain directional antenna is an excellent solution for both indoor and outdoor applications.



Patent Pending YE572113



#### FEATURES

- 12.5 dBi antenna gain.
- SMA male connector with 30 cm (1') RG58 Low Temperature Plenum Rated cable.
- IP67 Rated, lightweight design for indoor & outdoor use.
- UV Stable polycarbonate radome.
- Standard articulating arm mount for mast or wall installations.
- Performance engineered for optimum performance.

#### MARKETS - APPLICATIONS

- Wireless broadband systems
- DSRC (Dedicated Short Range Communications)
- ITS (Intelligent Transportation Systems)
- Point-to-multi-point systems
- WLAN access points

PARAMETER	SPECIFICATIONS		
Model	YE572113		
Frequency Bands, MHz	5725- 5850	5850- 5925	5925- 6000
Peak Gain, dBi (Avg)	12.5	13.0	12.7
Peak Gain, (Max)	13.2	13.2	12.9
VSWR, Avg	1.4:1	1.2:1	1.4:1
VSWR, Max	1.8:1	1.5:1	2.0:1
Nominal Impedance	50Ω		
Polarization	Vertical or Horizontal		
Azimuth 3 dB Beamwidth	35°		
Elevation 3 dB Beamwidth	35°		
Front-to-Back Ratio	15 dB		
Side Lobe	14 dB		
Max Power (Ambient 25°C)	25 Watts		
Antenna Dimension (L x W)	149.1 x 58.6 mm (5.87" x 2.31")		
Weight w/ Bracket	0.16 kg (0.35 lbs)		
Antenna Color	White		
Radome	ASA, UV Stable		
Wind Operational	160 km/h (100 mph)		
Wind Survival	220 km/h (136 mph)		
Operating Temperature	-30°C to +70°C		
Storage Temperature	-40°C to +80°C		
Ingression Protection	IP67		
Material Substance Compliance	RoHS		

#### SPECIFICATIONS

PART NUMBER	CABLE LENGTH	CONNECTOR
YE572113-30SMAM	30 cm (12")	SMA Male
YE572113-30RSMM	30 cm (12")	RP SMA Male

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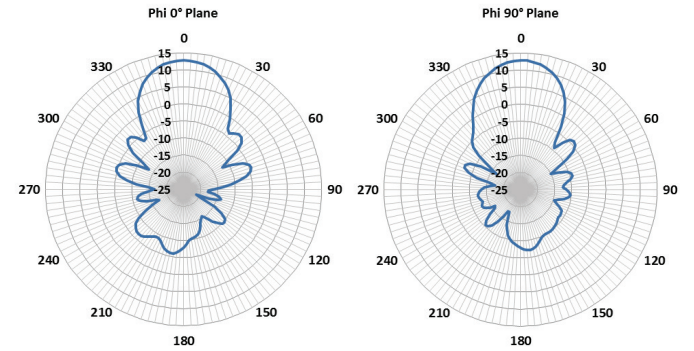
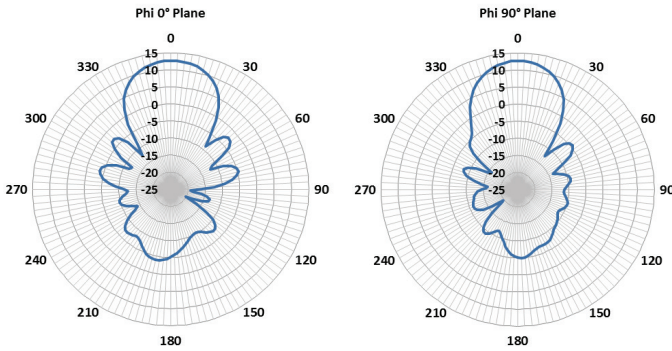
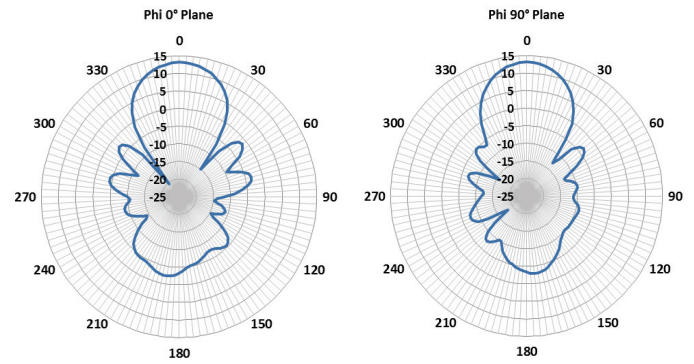
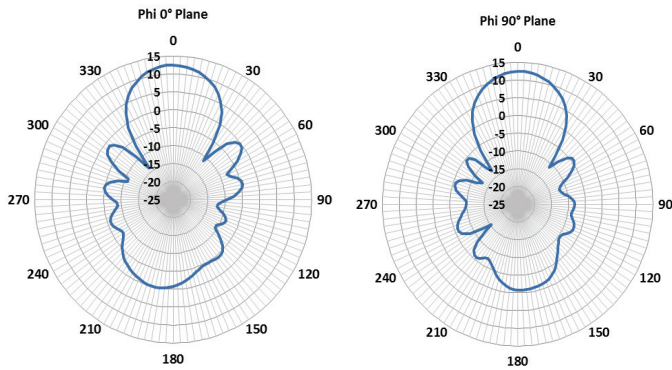
**RADIATION PATTERNS**

**5725 MHz**

**5850 MHz**

**5925 MHz**

**6000 MHz**



ANT-DS-YE572113 0117

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