

2300 MHz-2700 MHz / 3300 MHz-4200 MHz, 17 dBi, 65-degree +/- 45 Dual Pol 8-port MIMO Sector antenna, 4 x 4 Type N Female connector



HG2342-17DP-065-8NF

Features

- Frequency coverage for 2300 MHz to 2700 MHz and 3300 MHz to 4200 MHz
- Very High Gain 17 dBi to 17.5 dBi Directional Antenna
- Easy Install universal mounting bracket provided
- Weatherproof ABS – UV Resistance PVC radome
- 4x4 MIMO with Type N Female connectors
- 65° beamwidth with dual +/-45 slant polarization
- 100 W max input power

Applications

- 2X2 and 4X4 MIMO ready with dual bands in one shell configuration
- 2.4/3.3/CBRS/sub 5GHz applications supported
- Wireless LAN systems & IEEE 802.16e applications
- Mobile WiMAX Wireless Internet Provider “cell” site
- Smart cities expansion for coverage and IOT / IIOT
- Outdoor or indoor point-to-point (PtP) or point-to-multipoint (PtMP) applications

Description

The L-com HG2342-17DP-065-8NF 8-port Sector Antenna works from 2300 MHz to 2700 MHz and 3300 MHz to 4200 MHz. provides industry leading gain, side lobes suppression, and high front-to-back ratio. The HG2342-17DP-065-8NF has gain performance of 17 dBi gain and is perfectly suited for macro base station or small cell deployments. Available in 65° beamwidth with dual +/-45 slant polarization.

The L-com's HG2342-17DP-065-8NF sector antennas have 8 Type N Female connectors which supports dual band with 2x2 or 4x4 MIMO configurations with 4 ports for 2300 MHz to 2700 MHz and 2x2 or 4x4 MIMO configurations with 4 ports for 3300 MHz to 4200 MHz and multiple combinations of popular radios can be used for high speeds or multiple technology deployments. The HG2342-17DP-065-8NF from L-com patterns are engineered to be symmetric in both polarizations, which will minimize chain imbalance. The sector antenna's 25 dB port to port isolation and 25 dB front to back ratio allows for channel (frequency) reuse and can reach high levels of spectral efficiency in the most challenging and noisy environments.

L-com's HG2342-17DP-065-8NF sector antenna has powder coated, high strength mounting brackets are built to withstand wind speeds of up to 135 mph and survive in corrosive environments with large swing in seasonal weather not impacting performance. The 2.3 GHz to 2.7 GHz and 3.3 GHz to 4.2 GHz sector antenna with 8 x N-type female connector has rugged and waterproof structure provides durable platform built for a broad range of environments and features a heavy-duty UV-resistance plastic radome for all-weather operation. This High performance 8-port sector antenna with N Female Type connector is in stock and ready to ship the same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

Configuration

Design	Sector
Band Type	Dual
Radiation Pattern	Directional
Polarization	45 Deg. Slant
Cable Type	Coax Cable
Connector Type	N Female
Number of Ports	8
Lightning Protection	DC Grounded

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: [2300 MHz-2700 MHz / 3300 MHz-4200 MHz, 17 dBi, 65-degree +/- 45 Dual Pol 8-port MIMO Sector antenna, 4 x 4 Type N Female connector](#)

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,300		4,200	MHz
Input VSWR		1.7:1	2:1	
Impedance		50		Ohms
Gain	17		17.5	dBi
Front to Back Ratio	25			dB
Horizontal (Azimuth) HPBW		65		Degrees
Vertical (Elevation) HPBW		7		Degrees
Input Power			100	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.3 to 2.7	3.3 to 4.2				GHz
Gain	17	17.5				dBi
Port to Port Isolation	25	25				dB
Front to Back Ratio	25	25				dB
VSWR Max	2:1	2:1				
Maximum Input Power	100	100				Watts

Mechanical Specifications

Radome Material	PVC
Size	
Length	51.18 in [130 cm]
Width	11.02 in [279.91 mm]
Height	3.14 in [79.76 mm]
Mounting Mast Diameter	1.37 to 1.96 in [34.80 to 49.78 mm]
Weight	17.637 lbs [8 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Wind Survivability	135 MPH [217.26 KPH]

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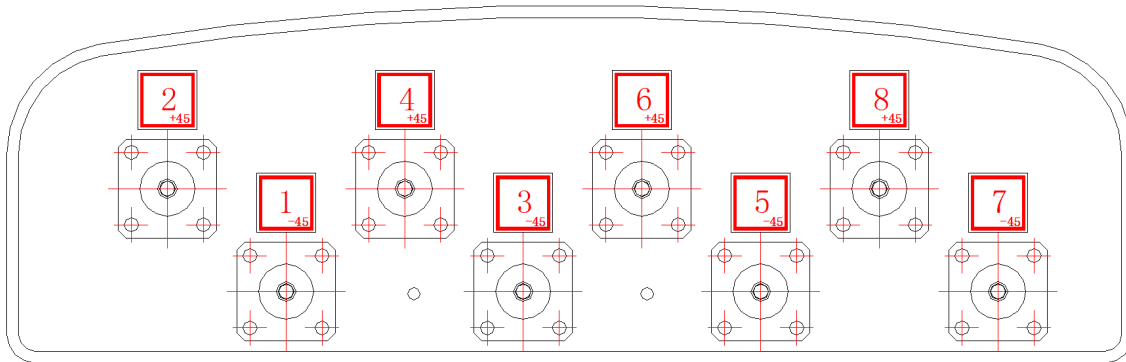


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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

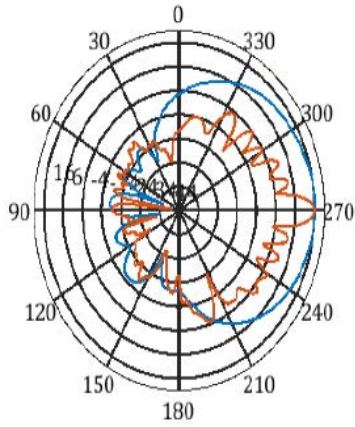
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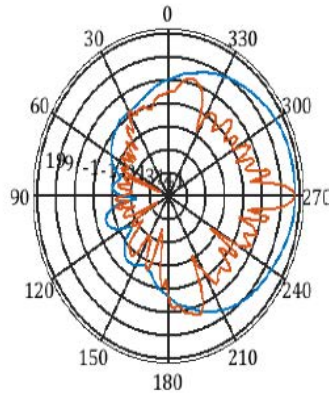
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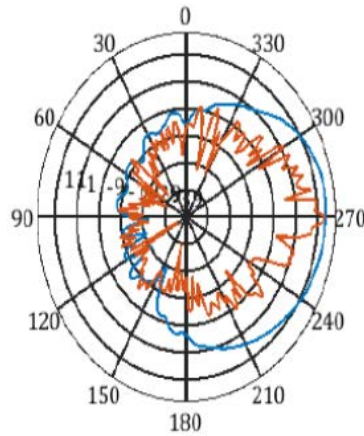
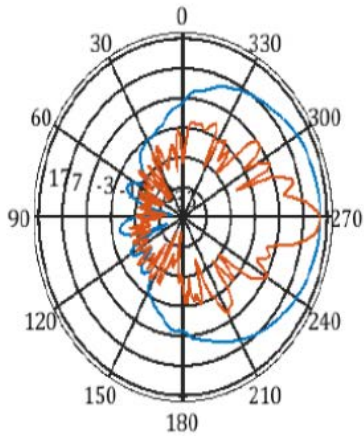
HG2342-17DP-065-8NF



f=2300MHz, Co@2-cuts



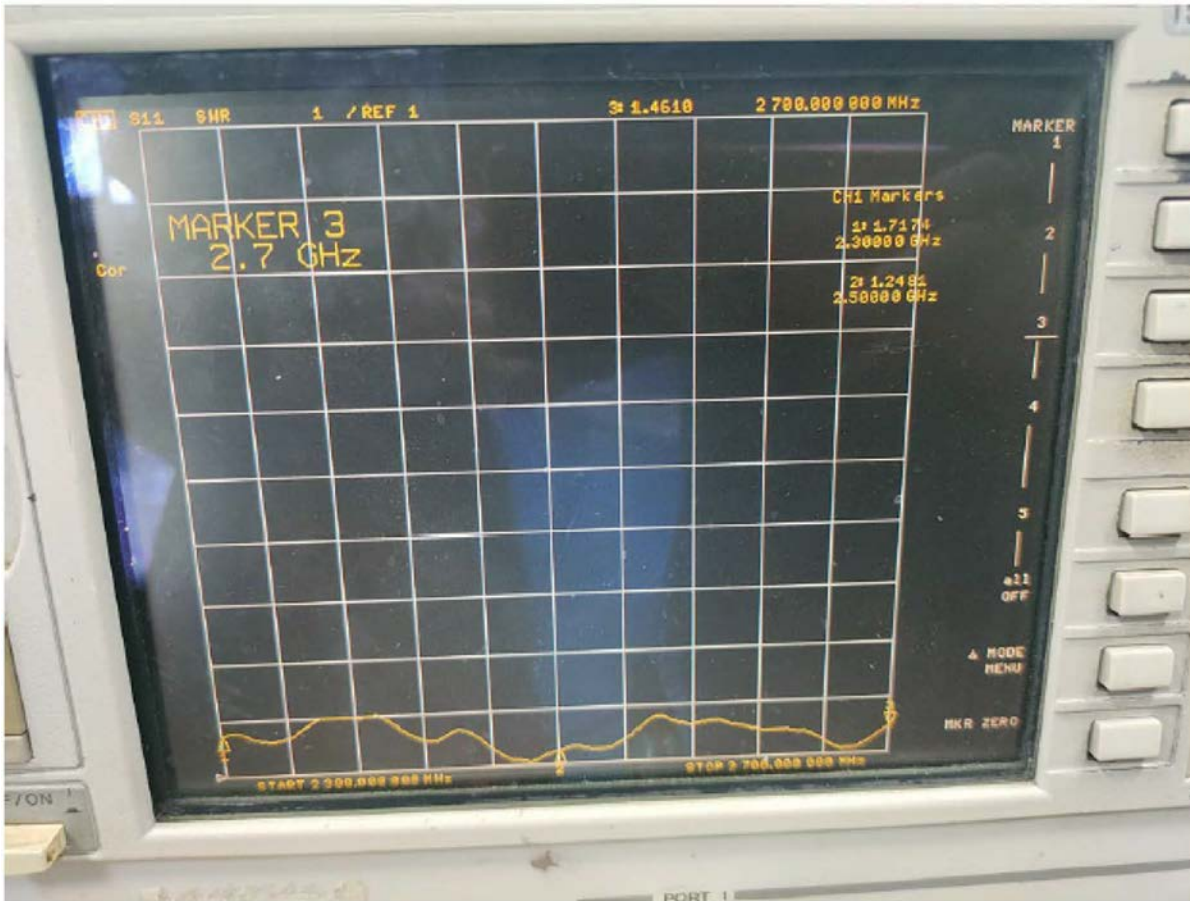
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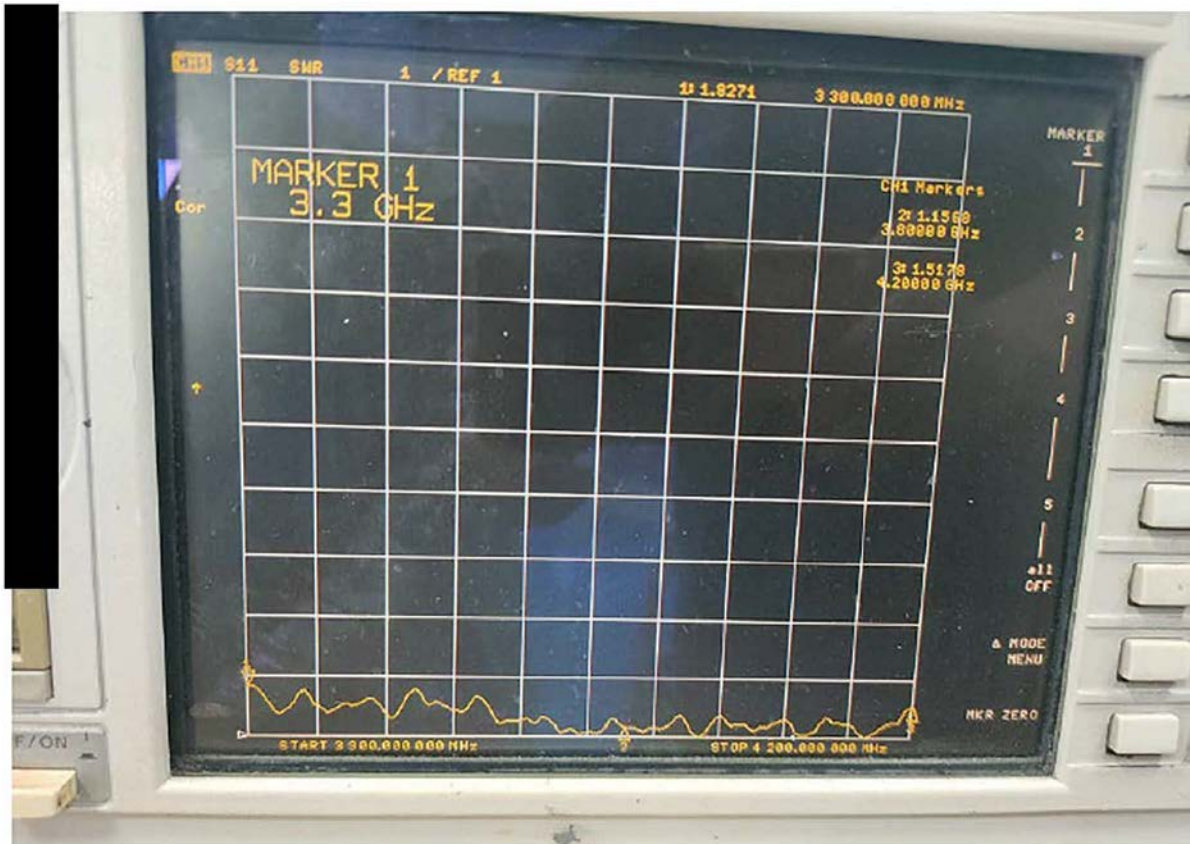


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2300 MHz-2700 MHz / 3300 MHz-4200 MHz, 17 dBi, 65-degree +/- 45 Dual Pol 8-port MIMO Sector antenna, 4 x 4 Type N Female connector from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

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L-com CAD Drawing

