

# **Symmetrical Horn Carrier Class Gen 2**

### HORN ANTENNA WITH N-FEMALE CONNECTORS

Symmetrical Horn CC Antennas Gen2 offer unique RF performance in a compact package. Scalar horn antennas have symmetrical main beam with identical beam width in Vertical and Horizontal plane. Exceptionally small side lobes ensure remarkable interference suppression. HG3-CC Gen2 Antennas are ideal for coverage of areas with clients close to the installation site, where null zone issues exist. High density AP clusters and radio co-location is made possible due to unique radiation patterns and compact size.

Symmetrical Horn CC Antennas Gen2 feature multiple improvements of RF performance and design, namely, optically lighter body and significantly improved bracket. Radome is made of more resistant material, and all of HG3-CC Gen2 antennas use only two radome sizes. HG3-CC Gen2 antenna is equipped with N-female connectors.

## TECHNICAL DATA

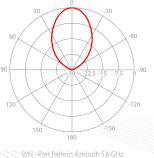
2x N Female Bulkhead Connector
Horn
UV Resistant polycarbonate, Polypropylene, Aluminium, Zinc, Stainless Steel
IP55
UL 94 HB
30-90 mm
-30°C to +55°C (-22°F to +131°F)
160 km/hour
44 N at 160 km/hour
± 25°
2.3 Kg / 5 lbs – single unit 3.6 Kg / 7.9 lbs – single unit incl. package 36.9 Kg / 81.3 lbs – carton (5 units)
Retail Box: 41.2 × 27.7 × 23.4 cm
Carton Box: 119 x 30 x 44 cm

#### PERFORMANCE

Frequency Range	5180 - 6400 MHz
Gain	16.2 dBi
Azimuth/Elevation BW -3 dB	H 27° / V 27°
Azimuth/Elevation BW -6 dB	H 40° / V 40°
Front-to-Back Ratio	35 dB
VSWR Max 5180-5850 MHz	1.6
VSWR Max 5850-6400 MHz	1.9
Polarization	Dual Linear H + V
Impedance	50 Ohm

#### **AZIMUTH PATTERN**



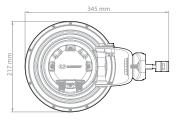


1/1 SYMMETRICAL HORN ANTENNAS Rev FEB-2019

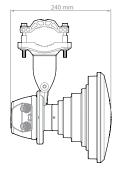
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#### **PRODUCT DIMENSIONS**



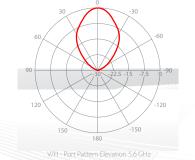






V/H Gain (IEEE) V/H VSWR

GAIN



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