

# Product Specification



## CCAT-121 Series

### Omni Antenna

- **Omnidirectional UHF Antenna**
- **Covers 746 - 960 MHz in 3 Ranges**
- **Several Mounting Options**

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## Electrical Specifications

FREQUENCY RANGE	746-806 MHz, 806-869 MHz, 885-960 MHz
NOMINAL GAIN	8.5 dBd
BANDWIDTH (1.4:1 VSWR)	75 MHz
PATTERN	Omnidirectional
POLARIZATION	Vertical
HORIZONTAL BEAMWIDTH	360°
VERTICAL BEAMWIDTH	6.5°
ELECTRICAL DOWNTILT (FIXED)	0,1,2,3,4,5,6°
PASSIVE INTERMODS (2X+43 dBm Tones)	-150 dBc Max
POWER RATING	500 W Avg.
NOMINAL IMPEDANCE	50 Ohms

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## Environmental Specifications

OPERATING TEMPERATURE	-55 to +70 Degs C
WEATHERIZATION	For Outdoor Use
LIGHTNING PROTECTION	DC Ground

Rev: 122921

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## Mechanical Specifications

CONNECTOR

Type 'N' Male, Optional - 7/16 DIN Male,  
4.3/10.0 Male

LENGTH

130 Ins. [3310 mm]

DIAMETER

2.0 Ins. [52 mm]

WEIGHT

26.0 lbs. [11.8 kg]

RATED WIND VELOCITY, NO ICE

124 MPH [200 km/h]

RADOME MATERIAL

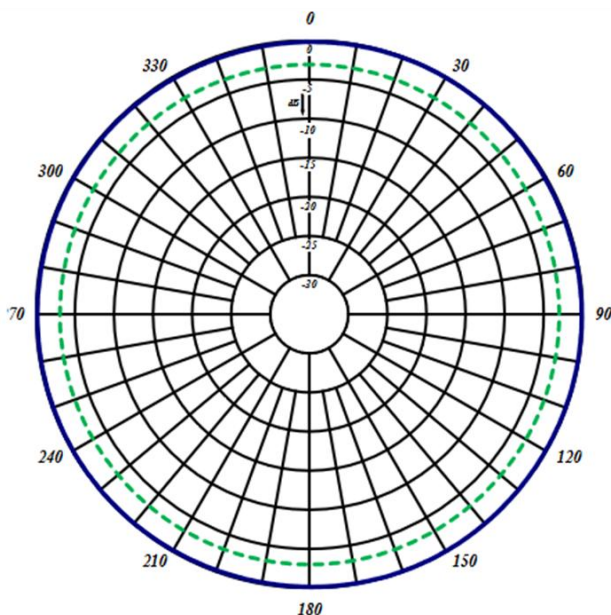
Fiberglass, Lt Grey, RAL 7035

RADIATING ELEMENT MATERIAL

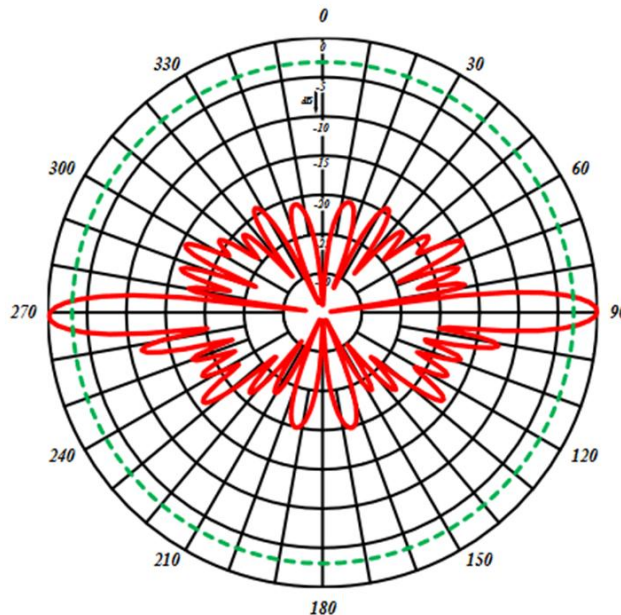
Brass

MOUNTING

Pole Mount Included



Horizontal Pattern



Vertical Pattern

Rev: 122921