

UltraWide Omnidirectional Antenna

2000-1616

Massive bandwidth, incredible performance, and cost effective!

Overview

The challenge – design the widest omni-directional antenna ever built period. Don’t forget to make it small, ruggedized, deployable, and uniform without sacrificing performance where signal detection is needed most. The answer – the all new UltraWide Omnidirectional Antenna from Anritsu. This antenna’s gain and efficiency have been maximized to give the greatest Omni-directional sensitivity from an amazingly low 20 MHz to well above 21 GHz. The nominal gain of the antenna is -7 to +0 dBi over 98% of the antenna. This ultrawide antenna offers the finest wideband sensor for receiving RF signals. This new sensor was optimized using state-of-the-art genetic algorithms and electromagnetic simulation tools. It covers the frequencies you need to detect most often – and then some. A perfect blend of performance and quality make this unit ideal for SIGINT and multiband communications applications. Complete with a ¼-20 tripod mount on the base. Specifications subject to change without notice.

Features

- Space-sensitive Passive Bi-Con Antenna
- Ultra-wideband: 20 MHz to 21 GHz
- Optimized Using State-of-the-Art Genetic Algorithms and Electromagnetic Simulation Tools
- Elegant SolidWorks Design
- Tripod Mountable
- MF, HF, VHF, UHF, SHF Coverage
- Weather-resistant ABS Housing
- Glare-free Coating
- Low Profile, Easily Deployable
- Easy to Set Up and Operate
- Excellent Power Handling
- Wide Operating Temperature Range
- Superior Engineering



Specifications

Electrical

Type	Modified Bi-conical
Frequency Range	20 MHz to 21 GHz
Impedance	50 Ohms, nominal
VSWR	<2:1, average
Antenna Gain	0 dBi or greater above 325 MHz; Approx -7 dB at 200 MHz
Polarization/Pattern	Vertical/Omni-directional
Maximum Continuous Power	10 Watts

Mechanical

Connector	Precision Type-N Female Out to Receiver
Housing	Weatherproof ABS
Mounting	Standard ¼-20 thread on base
Dimensions	Length: 40.64 cm (16") Depth: 2.54 cm (1") Width 15.24 cm (6") Weight: 0.37 kg (16 oz.)
Environmental	-35°C to +85°C

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