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CommScope CMAX-O-43-UW-153 Cell-Max(tm) Low PIM Omni In-building Antenna, 617-6000 MHz

SKU
ACC-CS-00018
MPN
CMAX-O-43-UW-I53

Description

The CommScope CMAX-O-43-UW-153 Cell-Max Low PIM Omni In-building Antenna is a versatile solution designed for seamless integration into complex network environments. Operating across a broad frequency range of 617-6000 MHz, this antenna is ideal for 4G and 5G applications, offering reliable performance in diverse conditions with a temperature range of -40 °C to 60 °C. Its robust ASA plastic and polycarbonate construction ensures durability, while its lightweight design at 0.6 kg facilitates easy installation.

This omni-directional antenna features a 1x1 SISO configuration, delivering consistent RF performance with a 3rd Order PIM rating of -153 dBc and a 50 Ω impedance, supporting up to 100 W of input power. With a single 4.3-10 Female interface, it ensures straightforward connectivity and integration into existing systems. The antenna offers peak gain values ranging from 2.1 dBi to 5.4 dBi across various frequency bands, maintaining a...

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RF Specification

Cable 1: 4G-5G

Start Frequency
617 MHz
Stop Frequency
5925 MHz
Max. Input Power
100 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Length
1	4.3-10 Female	Straight	500 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth

617 MHz	698 MHz	2.1 dBi	> 11.7 dB	< 1.7:1 360°
698 MHz	960 MHz	2.1 dBi	> 11.4 dB	< 1.5:1 360°
1400 MHz	1600 MHz	3 dBi	> 11.7 dB	< 1.7:1 360°
1710 MHz	2700 MHz	4 dBi	> 14 dB	< 1.5:1 360°
3300 MHz	4200 MHz	4.3 dBi	> 12.7 dB	< 1.6:1 360°
5150 MHz	5925 MHz	5.4 dBi	> 12.7 dB	< 1.6:1 360°

Physical Specification

Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
60 °C
PIM, 3rd Order
-153 dBc
Dimensions
82 x 206
Materials
ASA Plastic, Polycarbonate (PC)
Weight
0.6 kg
Compliance/Certifications
ISO 9001 Quality Management
,
RoHS

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