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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  $\Omega$  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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## [CommScope](#)

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we shape the always-on networks of tomorrow. For more than 40 years, our global team of greater than 20,000 employees, innovators and technologists have empowered customers in all regions of the world to anticipate what's next and push the boundaries of ...

## 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  $\Omega$

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

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RoHS

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