

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...

[Read More](#)



RF Specification

Cable 1: 4G-5G

Start Frequency:	CommScope 617 MHz	Polarisation:	Vertical (V)
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	100 W		

CommScope (NASDAQ: COMM) helps design, build and manage wired and wireless networks around the world. As a communications infrastructure leader, we help our customers design, build and manage 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 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	Dimensions:	82 x 206
MIMO:	1x1 SISO	Materials:	ASA Plastic, Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Weight:	0.6 kg
Max. Operating Temperature:	60 °C	Compliance/Certifications:	ISO 9001 Quality Management
PIM, 3rd Order:	-153 dBc	RoHS	

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

