

CommScope CMAX-OMF8-43-UWI53 Cell-Max(tm) Low PIM Omni MIMO In-building Antenna, 617-6000 MHz

SKU: ACC-CS-00019

MPN: CMAX-OMF8-43-UWI53

Description

The CommScope CMAX-OMF8-43-UWI53 Cell-Max™ Low PIM Omni MIMO In-building Antenna offers exceptional performance for in-building wireless applications, operating across a wide frequency range of 617-6000 MHz. This dual-polarised antenna supports 2x2 MIMO configurations, ensuring robust and reliable connectivity with its two input ports. Designed with high-quality ASA Plastic and Polycarbonate materials, it reliably functions within a temperature range of -40 °C to 60 °C, making it suitable for diverse environments.

With a low PIM rating of -153 dBc and a 50 Ω impedance, the antenna supports up to 100 W of input power, ensuring excellent signal integrity and minimal interference. Its peak gain ranges from 3.8 dBi to 6.0 dBi across various frequency bands, maintaining a consistent 360° azimuth beamwidth and a VSWR of 1.7:1, providing uniform coverage and performance.

Ideal for enhancing indoor wireless networks, this antenna is compliant...

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RF Specification

Start Frequency:	617 MHz	Polarisation:	Dual Pol (V, H)
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	100 W		

RF Connectors

Ports	RF Interface	Length
1	4.3-10 Female	500 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth	XPD
617 MHz	698 MHz	3.8 dBi	> 17 dB	< 1.7:1	360°	> 15 dB
698 MHz	960 MHz	4 dBi	> 11 dB	< 1.7:1	360°	> 17 dB
1695 MHz	2700 MHz	4 dBi	> 11 dB	< 1.7:1	360°	> 18 dB
3300 MHz	4200 MHz	6 dBi	> 11 dB	< 1.7:1	360°	> 19 dB
4800 MHz	6000 MHz	6 dBi	> 11 dB	< 1.7:1	360°	> 19 dB

Physical Specification

Input Ports:	2	Dimensions:	65 x 207 (H x Dia)
MIMO:	2x2 MIMO	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	

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