



CMD69273

2-Port MIMO Ceiling Mount Antenna 698-960 MHz/1710-2700 MHz

CMD69273 is an indoor broadband 2-port MIMO omnidirectional ceiling mount antenna. It is designed to provide pattern coverage that is optimized for indoor requirements at 698-960 MHz and 1710-2700 MHz for the CELLULAR, UMTS, and LTE/WiMAX frequency bands. The individual antenna elements are designed with linear H/V-polarization components oriented to provide a pattern that has been specifically shaped to provide optimal performance from a ceiling mount location.

FEATURES AND BENEFITS

- Mounts directly and easily to ceiling tile
- Two radiating elements optimized for indoor MIMO applications
- Low cross correlation between radiating elements
- Complete cellular and 3G/4G data communications in a single antenna
- Radiating elements oriented to provide maximal coverage

ELECTRICAL SPECIFICATION

Operating Frequency (MHz)	698-960		1710-2700	
Peak Gain (dBi)	700 MHz: 3.35	800/900 MHz: 4.4	1800/1900/UMTS MHz: 5.0	2400/2500 MHz: 5.6
Isolation (dB)	700/800 MHz: < -20	900 MHz: < -17	1800/1900/2100 MHz: < -20	2400/2500 MHz: < -20
VSWR - Max	2.0:1			
Nominal Impedance (Ohms)	50			
Max Power - Ambient 25°C (W)	50			
Polarization	Linear H/V			

MECHANICAL SPECIFICATION

Dimensions - diameter x height - mm (in.)	218.7 (8.6) x 43.5 (1.71)
Weight - kg (oz.)	0.41 (14.46)
Cable Type	Plenum-rated
Radome Material/Enclosure	UV Stable ASA
Mounting	Ceiling mount (flush mount with screws and anchors)

ENVIRONMENTAL SPECIFICATION

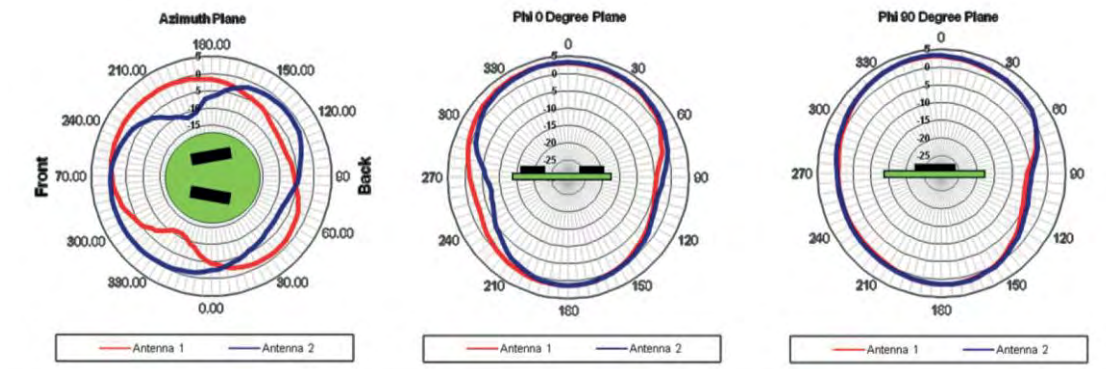
Operating Temperature - °C (°F)	-30 to +70°C (-22 to +158°F)
Storage Temperature (°C)	-40 to +85°C (-40 to +185°F)
Flammability Rating	UL 94HB materials
Material Substance Compliance	RoHS
Standard for Safety: Information Technology Equipment	UL/CSA/EN/IEC/CB-Scheme 60950-1 Listed

CONFIGURATION

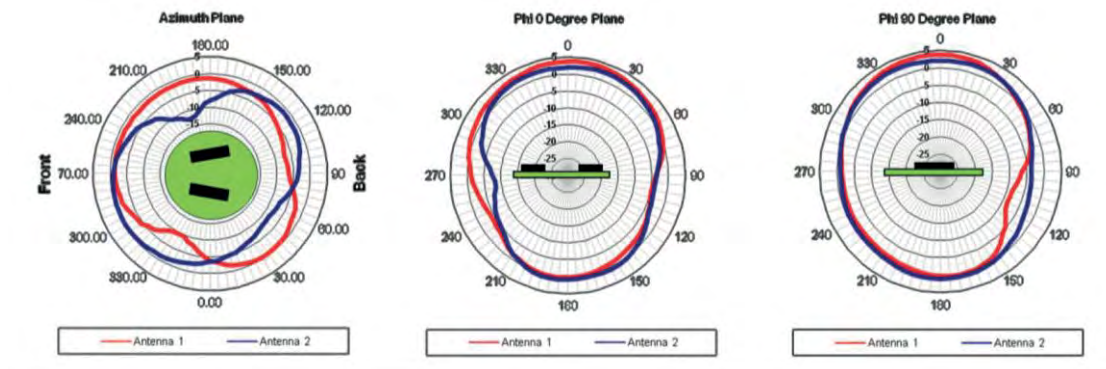
PART NUMBER	CABLE LENGTH	CONNECTOR
CMD69273-30NF	Dual 30 cm (12 in.)	Dual Type N-Female
CMD69273-30NM	Dual 30 cm (12 in.)	Dual Type N-Male

RADIATION PATTERNS

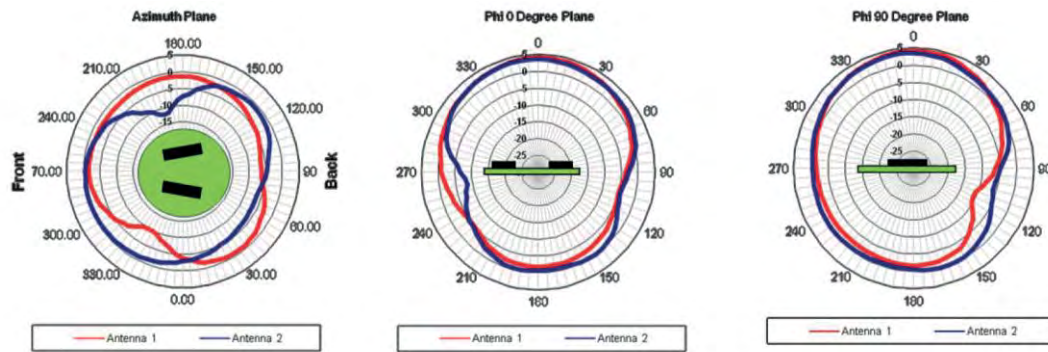
750 MHz



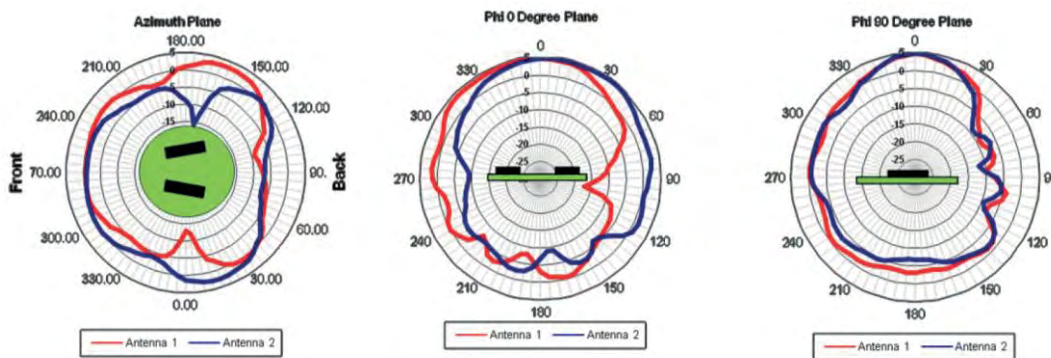
869 MHz



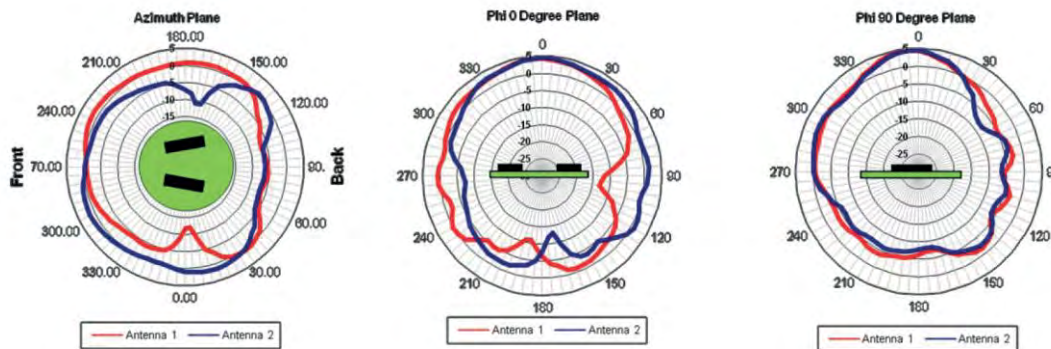
915 MHz



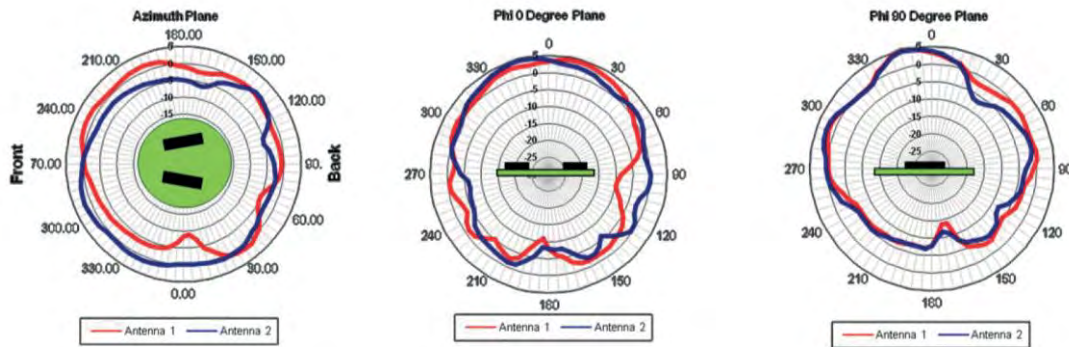
1780 MHz



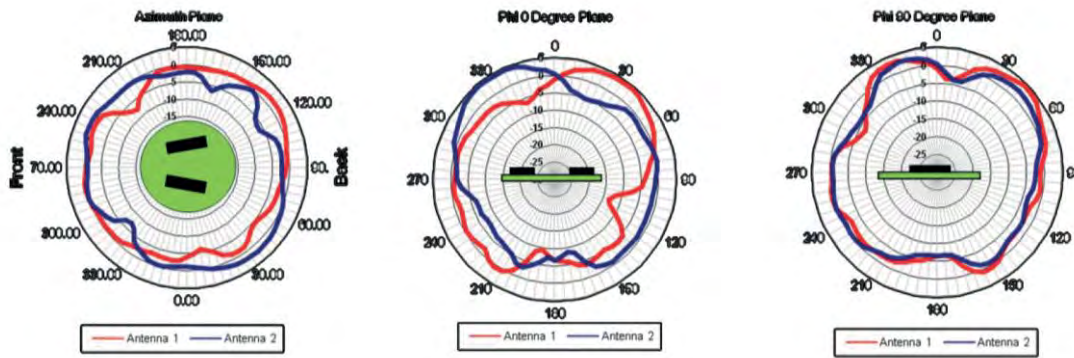
1910 MHz



2110 MHz



2600 MHz



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