



THE HCR ROTATABLE SHELL OMNIDIRECTIONAL ANTENNA – WHEN HIGH PERFORMANCE IS DESIRED & EXTREME RUGGEDNESS & LOW PROFILE IS REQUIRED.

The HCR Rotatable Shell Omnidirectional Antenna is a tough low-profile antenna for outdoor or indoor applications. This antenna provides frequency agility, low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications.

The HCR Rotatable Shell Omnidirectional Antenna is available in various industry standard mounting configurations including a threaded permanent stud mount model for vandal resistant mounting on brackets, panels, ceilings or any other kind of housing.

FEATURES AND BENEFITS

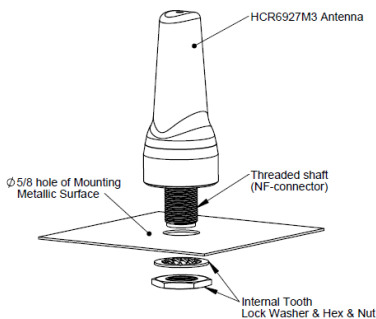
- Multi-band operation: 806-960 MHz / 1710-2200 MHz
- Meets IP67 protection rating for dust tight seal and temporary water immersion.
- Permanent mount provides vandal resistant protection for remote installations.
- Conformance to RoHS

MARKETS

- Security / Public Safety
- Commercial & Industrial- M2M
- Transportation
- Electric, Gas, & Water Utilities
- Retail, Consumer & Home
- Fixed Radio Applications

SPECIFICATIONS

Model	HCR8065M3NBL-001 HCR8065M3PBL-001 HCR8065M3NBN-001 HCR8065M3PBN-001	HCR8065M3NWL-001 HCR8065M3PWL-001 HCR8065M3NWN-001 HCR8065M3PWN-001
Frequency	806-960 MHz	1710-2200 MHz
Gain (Typical)	2.1 dBi	2.6 dBi
Gain (Max)	2.2 dBi	3.2 dBi
VSWR (2' x 2' ground plane)	< 2:1	
Max Input Power	10 watts	
Radiation Pattern	Omnidirectional	
Polarization	Vertical	
Normal Impedance	50 Ohm	
Antenna Dimension (")	83.3 H x 36.5 D mm (3.47 x 1.4)	
Antenna Color	Black / White	
Weight (lbs)	NMO: 106 g (0.23) P-Mount: 192.5 g (0.42)	
Wind Survival (mph)	282 km/h (175)	
Mounting	NMO / P-Mount	
Operating Temperature	-30° C to 70° C	
Storage Temperature	-40° C to 85° C	
Ingression Protection	IP67	
RoHS Compliance	Yes	



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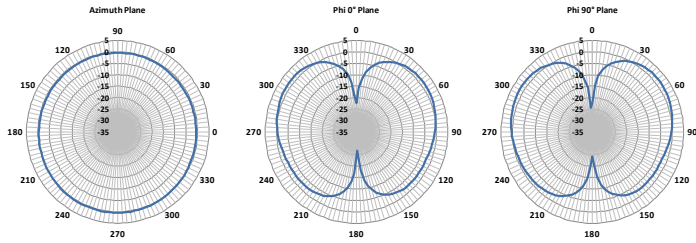
HCR8065M3NBL-001	NMO mount black w/Logo	HCR8065M3NWL-001	NMO mount white w/logo
HCR8065M3PBL-001	P mount black w/logo	HCR8065M3PWL-001	P mount white w/logo
HCR8065M3NBN-001	NMO mount black no logo	HCR8065M3PBN-001	NMO mount white no logo
HCR8065M3PBN-001	P mount black no logo	HCR8065M3PWN-001	P mount white no logo

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

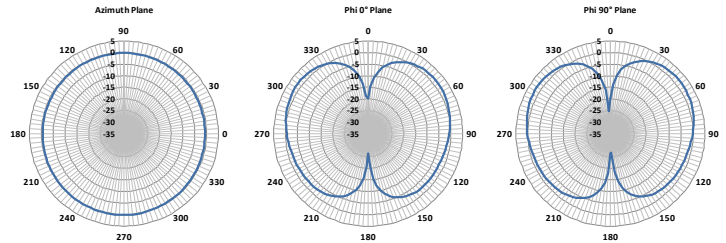


RADIATION PATTERNS: 30 cm Ground Plane

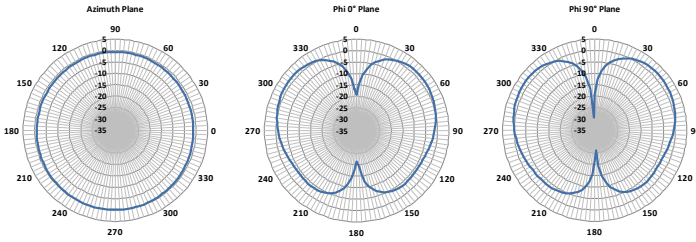
Radiation Pattern at 806 MHz



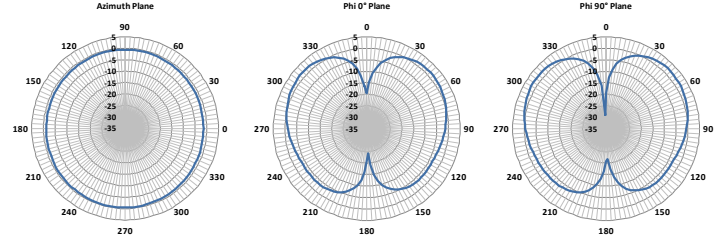
Radiation Pattern at 840 MHz



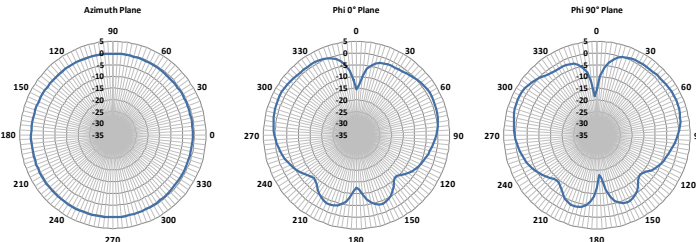
Radiation Pattern at 920 MHz



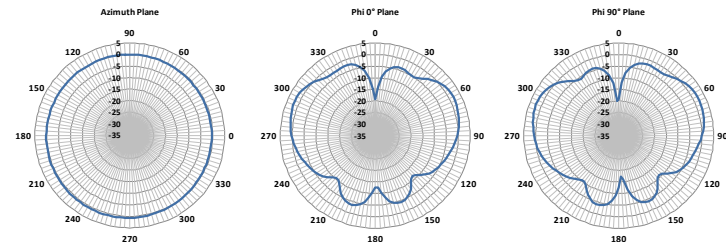
Radiation Pattern at 1850 MHz



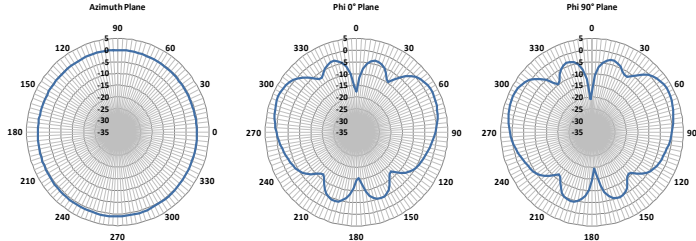
Radiation Pattern at 1710 MHz



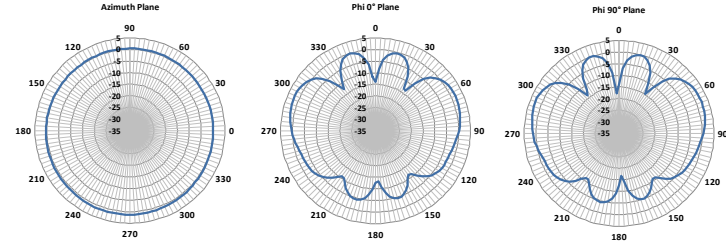
Radiation Pattern at 1950 MHz



Radiation Pattern at 1990 MHz



Radiation Pattern at 2200 MHz



ANT-DS-HCR8065M_0516

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