

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

The Laird LTE Rotatable Shell Omnidirectional Antenna is a tough low-profile antenna for outdoor or indoor applications and features field diversity with vertical polarization. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications.

The LTE 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



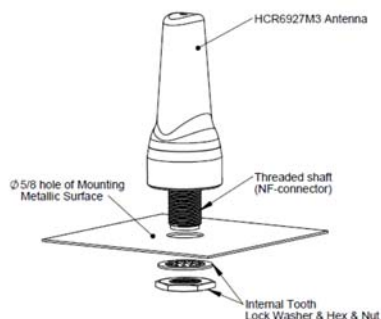
- Multi-band operation: 806-960 MHz / 1710-2700 MHz
- Meets IP67 protection rating for dust tight seal and temporary water immersion.
- True Field Diversity design ensures uninterrupted transmission & reception in challenging terrains.
- Conformance to RoHS
- U.S. Patent Pending

### MARKETS

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

### SPECIFICATIONS

| Model                 | HCR8065M3NBL-001<br>HCR8065M3PBL-001<br>HCR8065M3NBN-001<br>HCR8065M3PBN-001 | HCR8065M3NWL-001<br>HCR8065M3PWL-001<br>HCR8065M3NWN-001<br>HCR8065M3PWN-001 |
|-----------------------|--|--|
| Frequency             | 806-960 MHz  | 1710-2700 MHz  |
| Gain (Typical)        | 2.1 dBi  | 2.6 dBi  |
| Gain (Max)            | 2.2 dBi  | 3.2 dBi  |
| VSWR                  | < 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  |  |



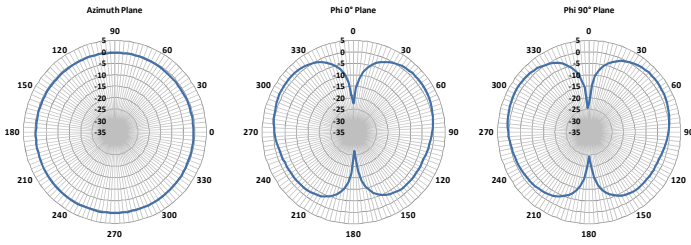
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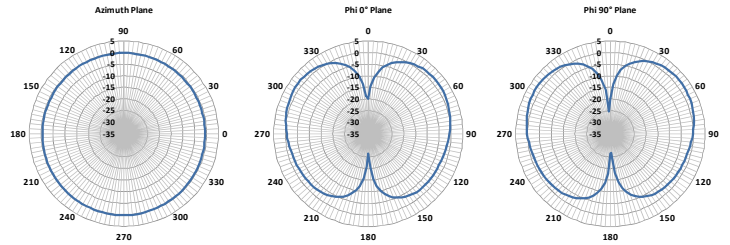
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### RADIATION PATTERNS

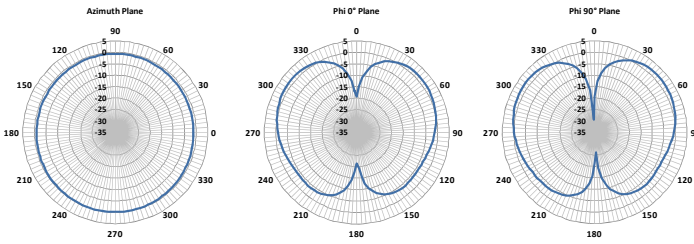
**Radiation Pattern at 806 MHz**



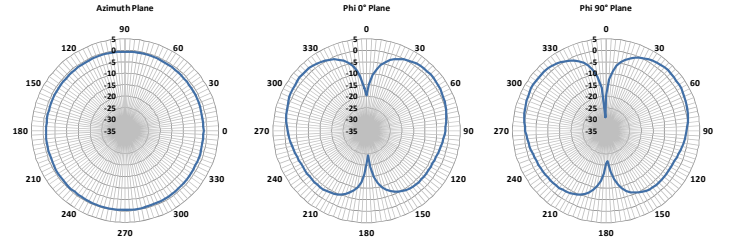
**Radiation Pattern at 840 MHz**



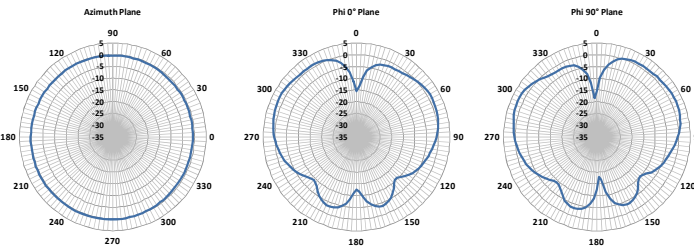
**Radiation Pattern at 920 MHz**



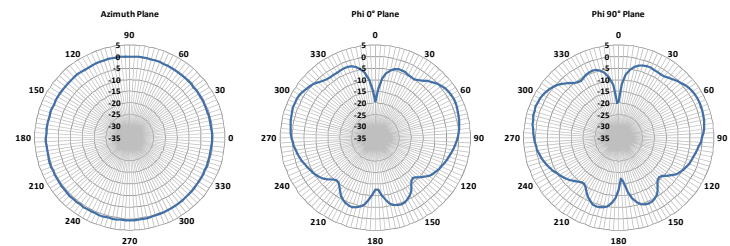
**Radiation Pattern at 1850 MHz**



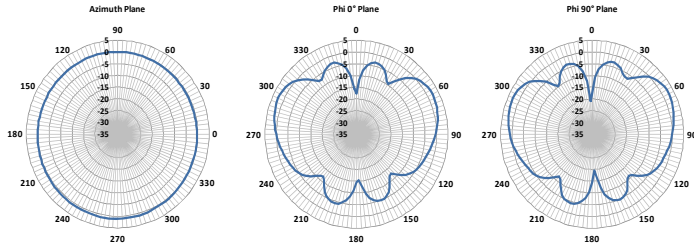
**Radiation Pattern at 1710 MHz**



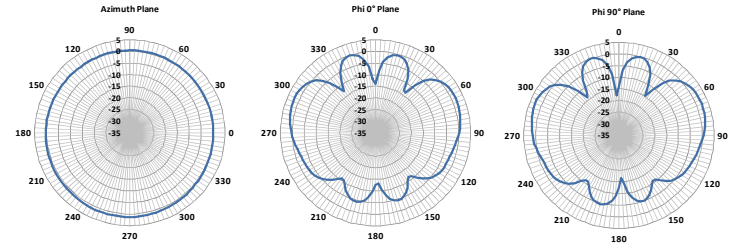
**Radiation Pattern at 1950 MHz**



**Radiation Pattern at 1990 MHz**



**Radiation Pattern at 2200 MHz**



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