



## HCR8065M

### Rotatable Shell Omni-Directional Antenna 806-960 MHz/1710-2200 MHz

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.

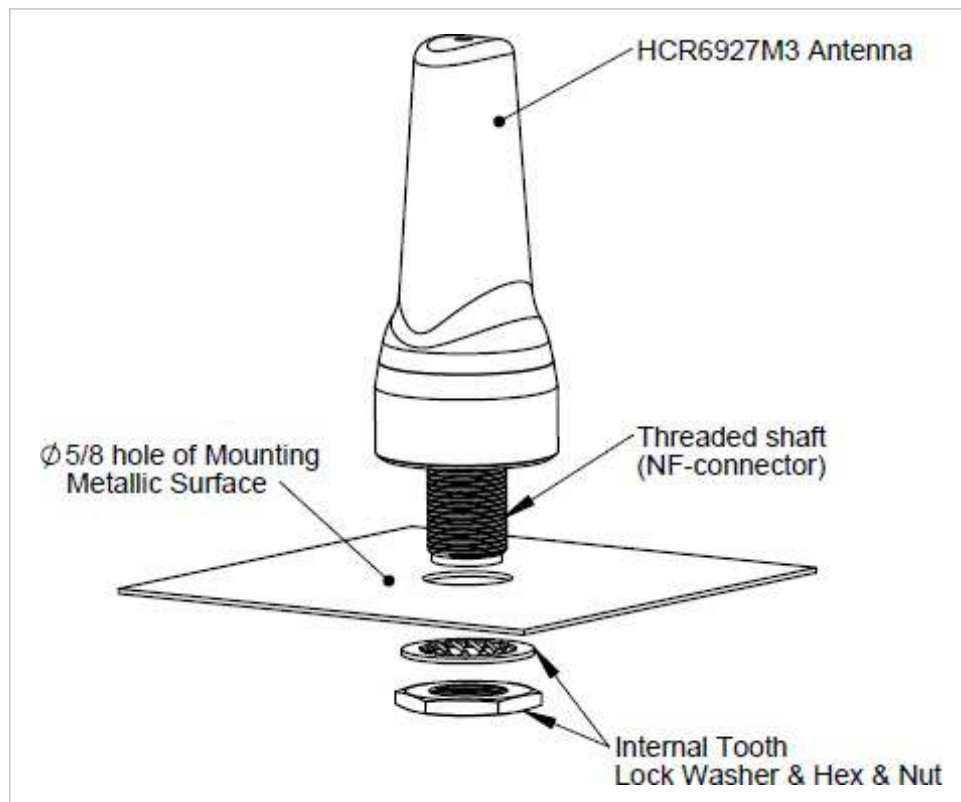
The HCR Rotatable Shell Omnidirectional Antenna is available in various industry standard mounting configurations including a threaded permanent stud mount model for vandal resistant mounting on brackets, panels, ceilings or any other kind of housing.

#### 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 and Industrial- M2M
- Transportation
- Electric, Gas, and Water Utilities
- Retail, Consumer & Home
- Fixed Radio Applications



## SPECIFICATIONS

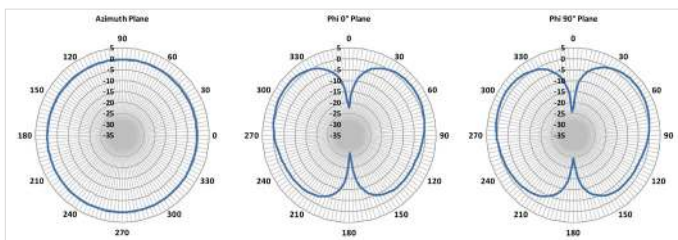
Model	HCR8065M3NBL-001 HCR8065M3PBL-001 HCR8065M3NBN-001 HCR8065M3PBN-001	HCR8065M3NWL-001 HCR8065M3PWL-001 HCR8065M3NWN-001 HCR8065M3PWN-001
Frequency	806-960 MHz	1710-2200 MHz
Gain (Typical)	2.1 dBi	2.6 dBi
Gain (Max)	2.2 dBi	3.2 dBi
VSWR (2" x 2" ground plane)	< 2:1	
Max Input Power	10 watts	
Radiation 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	

HCR8065M3NBL-001 NMO mount black w/Logo  
HCR8065M3PBL-001 P mount black w/logo  
HCR8065M3NBN-001 NMO mount black no logo  
HCR8065M3PBN-001 P mount black no logo

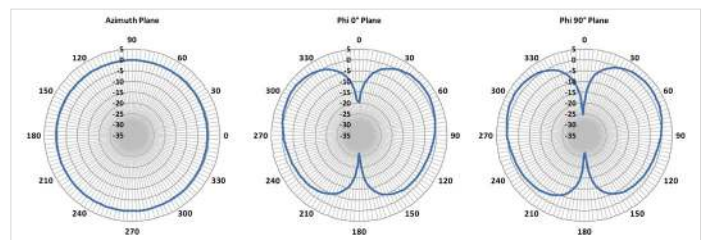
HCR8065M3NWL-001 NMO mount white w/logo  
HCR8065M3PWL-001 P mount white w/logo  
HCR8065M3PBN-001 NMO mount white no logo  
HCR8065M3PWN-001 P mount white no logo

## RADIATION PATTERNS

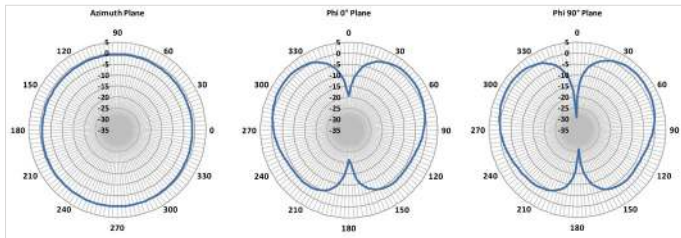
### 806 MHz



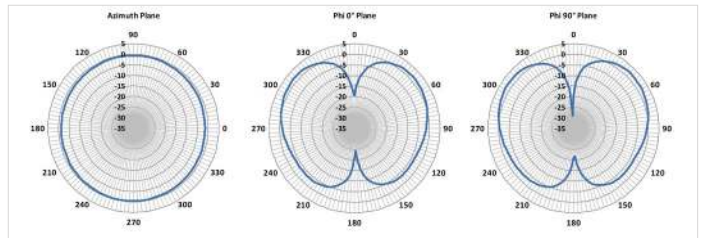
### 840 MHz



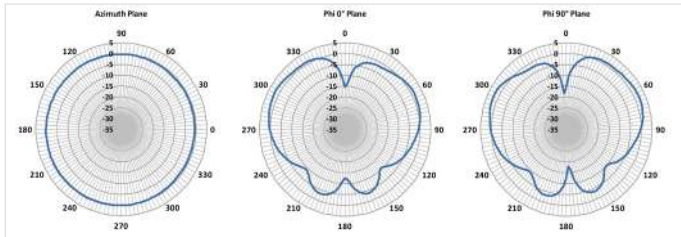
## 920 MHz



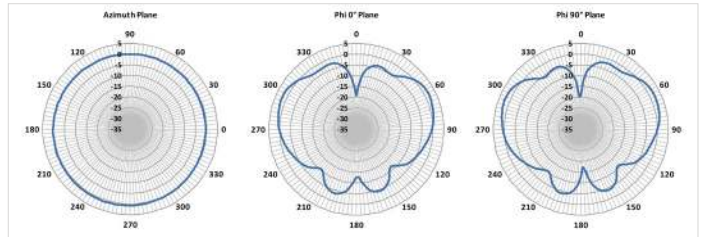
## 1850 MHz



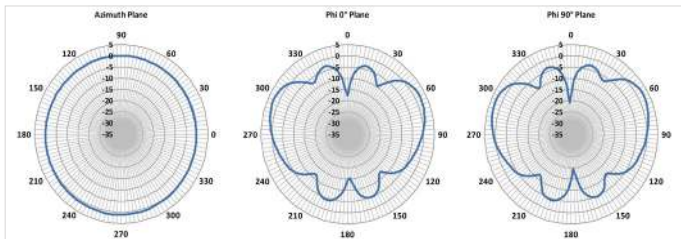
## 1710 MHz



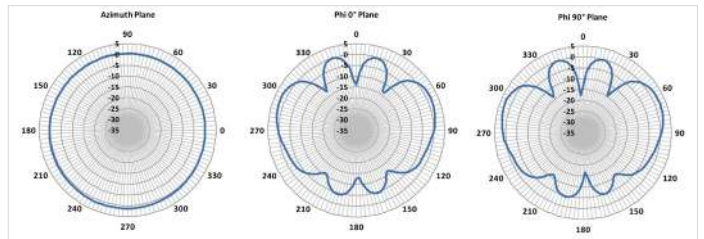
## 1950 MHz



## 1990 MHz



## 2200 MHz



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