



“Patent Pending”

## EM-M20007 LTE-Poly Pro Flexible Poly-Band Antenna for LTE NMO Applications

- Capacitive Coupled Design Optimizes LTE Signal Performance while Maintaining Low-Profile Tapered Form Factor (Patent Pending)
- Flexible Elastomeric Polymer Housing Resists High Speed Impact and Damage from low hanging obstructions
- Dust and O-ring Seals for Reliable High Pressure Car Wash & Waterproof Performance
- Rugged “All Brass” Construction with Black Chrome Finish and Silver Plated Contact Maximizing Conductivity and System Reliability
- Broadband/Multi-band Performance to Comply Simultaneously with all LTE Operational Bands

### Electrical Specifications

Frequency Bands	698-960 MHz / 1710-2500 MHz
VSWR	1.5:1 typical, 2:1 max
Impedance	50Ω
Gain	698-960 MHz 1710-2150 MHz 2150-2500 MHz
	2 dBi (698-960 MHz) 3 dBi (1710-2150 MHz) 5 dBi (2150-2500 MHz)
Power Rating	100 W
Polarization	Linear, Vertical
E-Plane	70 Degrees / 35 Degrees, Nominal
H-Plane	Omnidirectional
Ground Plane	Required

### Mechanical Specifications

Height	4.0 in. (102 mm)
Diameter	1.6 in. (40 mm)
NMO Mount Type*	EM-M11001-195, EM-MTR11001-195
Color	Black
Radiator Material	Brass / Black Chrome Plating
Radome Material	Elastomeric Polymer, Proprietary
Operating Temperature	-40° to 85° C
Corrosion	Salt Fog
Humidity	95%

\*Recommended NMO Mounts/Cable Assemblies sold separately. Performance may vary when using other manufacturer's (not recommended) NMO type mounts.