

698-2700MHz, Dual Band WiFi and GPS Triple Port Low Profile Heavy Duty Transport Antenna, One Bottom Exit with 3 LSZH coaxial Pigtails

EAM3-698-2700-W-G-2 series antennas are low profile antennas ruggedized for heavy duty transport applications. The aerodynamic and low profile heavy duty radome assembly meets the application requirements for a variety of vehicles, including cars, buses, trucks, trams, trains and unmanned aerial vehicles. One of its three ports covers 698-2700MHz full frequency range, which is universal for various applications and supports frequency re-banding. Its second port supports 802.11 2.4/5.8GHz dual band WiFi and the third port supports GPS with 28dB built in LNA to improve the GPS receiving sensitivity. The unit comes with 3 one feet pigtail connectors with one exit at base plate bottom. The standard connectors are N female, SMA male and SMB male. For other connector options, please contact sales@excelwavetechnologies.com. The antenna is designed for installation on a metal surface with 4 bolts. The thick antenna base plate provides solid reliable attachment to the installation surface as well as secured waterproofing with the supplied heavy duty gasket.



| Model Number | | EAM3-698-2700-W-G-2 | | |
|-----------------------|--------------------|--|------------|--------------|
| Port-1 | Frequency range | 698-2700MHz | | |
| | VSWR | 698-806MHz | 806-960MHz | 1710-2700MHz |
| | | 2.0:1 | 1.5:1 | 1.5:1 |
| | Gain (Absolute) | 4.0dBi | 4.5dBi | 5.0dBi |
| Polarization | | Vertical | | |
| Port-2 | Frequency range | 2400-2500MHz/5150-5850MHz | | |
| | VSWR | 1.8:1 | | |
| | Gain (Absolute)) | 5.0dBi | | |
| | Polarization | | Vertical | |
| Port-3 | Frequency range | 1575±10MHz | | |
| | VSWR | 2.0:1 | | |
| | Gain | 3dBi passive gain +28dB typical LNA gain | | |
| | GPS Supply Voltage | 3-5VDC | | |
| | Polarization | | RHC | |
| Input impedance | | 50Ω | | |
| Max power, Total | | 200W | | |
| Connectors | | N-female(Port-1), SMA male(Port-2), SMB male(Port-3), Pigtail, 1 Bottom Exit | | |
| Dimensions | | 11.42"x3.94"x5.12" (290mmx100mmx130mm) | | |
| Radome material | | ASA | | |
| Radome color | | Dark Green | | |
| Weather proofing | | IP65 | | |
| Operating temperature | | -40 - +55 °C | | |