

# MEA-2700-UWB-SM

## 4G/LTE/CELLULAR/CDMA ANTENNA

Part #: 100-00141-01

### Description

The MEA-2700-UWB-SM is a high efficiency cellular wide band LTE antenna for use with all 4G LTE frequencies. This antenna was designed for automotive, IOT, and telematics communication. High efficiency, high gain and omni-directional properties provides the antenna consistent and stable connectivity with high throughput data to devices with cellular needs. The antenna housing consists of black ABS UV resistant plastic, with a heavy-duty metal in the base.

### Electrical Specifications

| Parameter           | Specification         |
|---------------------|-----------------------|
| Frequency Range     | 698-960/1710-2700 MHz |
| Band width          | 266/990 MHz           |
| Gain                | 3 dBi                 |
| V.S.W.R             | ≤ 2.5                 |
| Radiation           | Omni-Directional      |
| Polarization        | Vertical              |
| Maximum Input Power | 50W                   |
| Impedance           | 50 Ω                  |

### Mechanical Specifications

| Parameter               | Specification    |
|-------------------------|------------------|
| Antenna Dimensions      | Φ 48 x 82 mm     |
| Weight                  | 160 g            |
| Operating Temperature   | -40 °C to +70 °C |
| Antenna Radome Material | ABS              |
| Connector               | N-connector      |
| Cable Type              | RG58U            |
| Cable Length            | 3M               |
| Mount Type              | Screw            |
| Antenna Color           | Black            |
| ROHS Compliant          | Yes              |



### Features

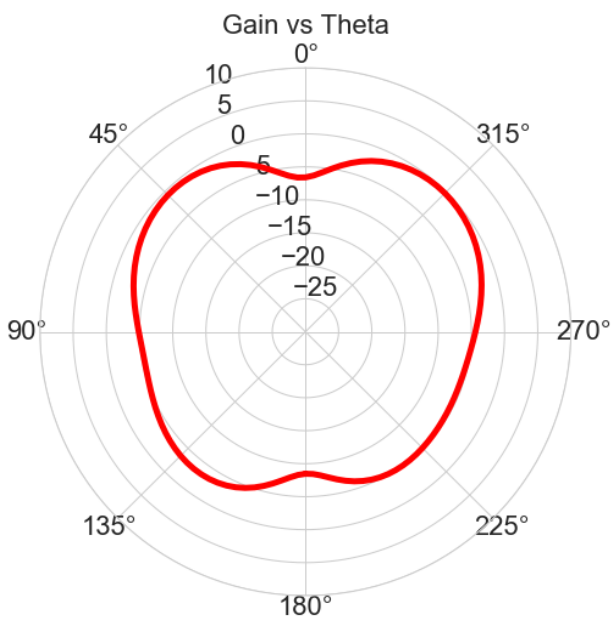
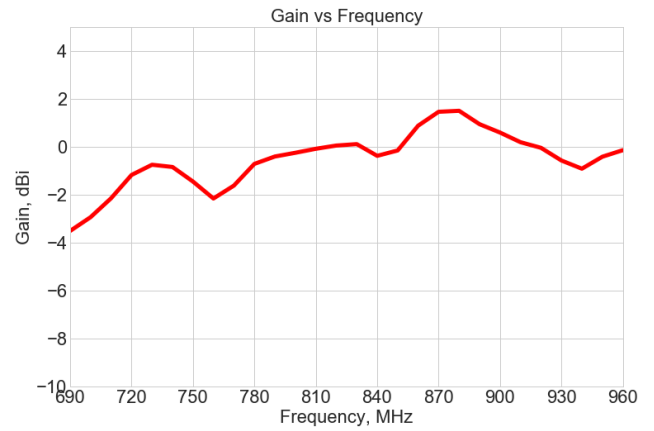
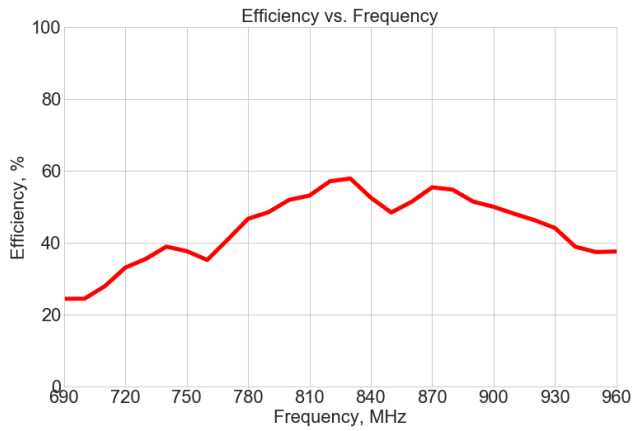
- High Performance
- 4G LTE Ultra-Wideband Automotive Antenna
- ROHS Compliant
- Frequency ranges: 698 - 960 MHz and 1710 - 2700 MHz
- Custom Cable and Connector
- Rated IP67

### Applications

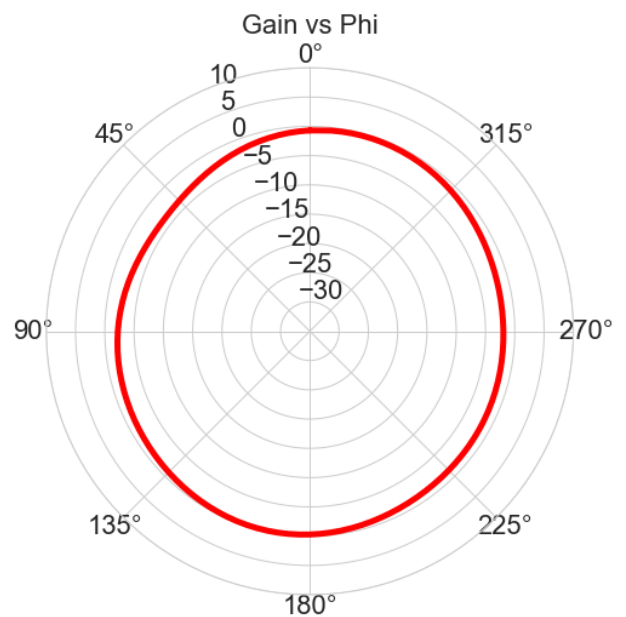
- Telematics
- LTE
- Automotive
- Fleet tracking
- IOT
- Telematics

## Radiation Specifications

698-960 MHz



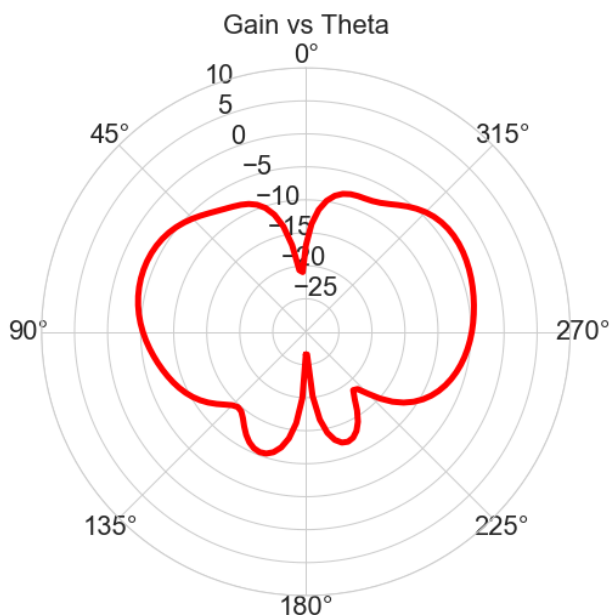
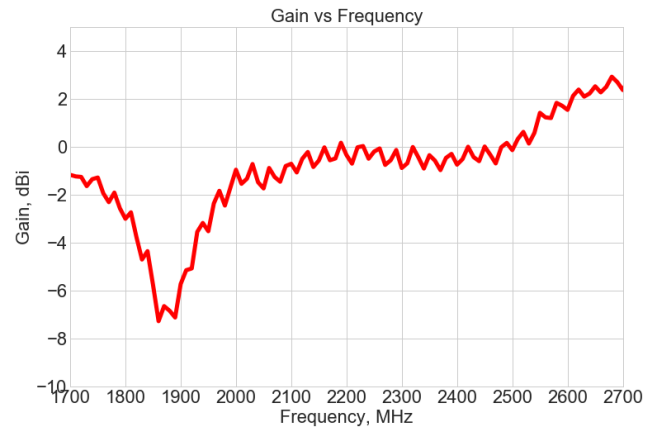
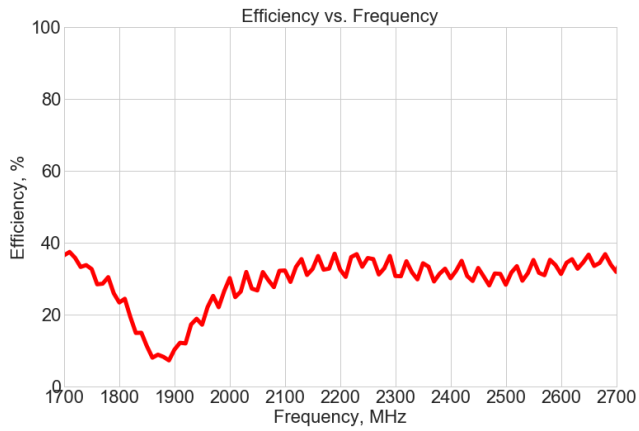
Gain dBi, Elevation Cut  $\Phi = 0$ , Frequency 850.00(MHz)



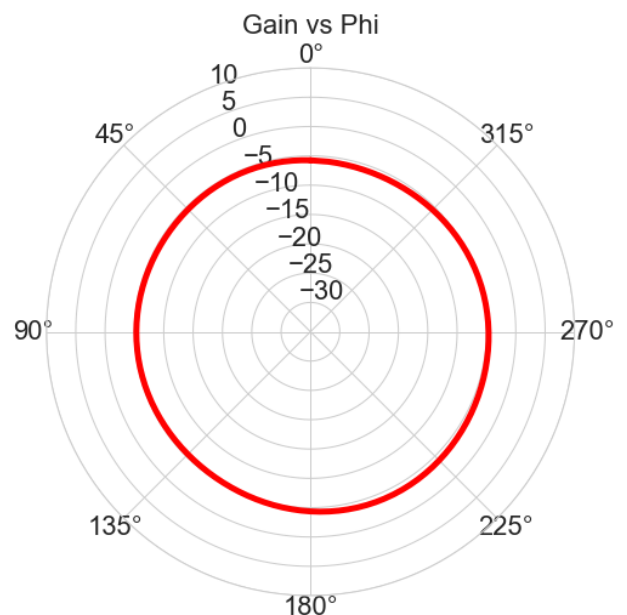
Gain dBi, Conical Cut  $\Theta = 45$ , Frequency 850.00(MHz)

## Radiation Specifications

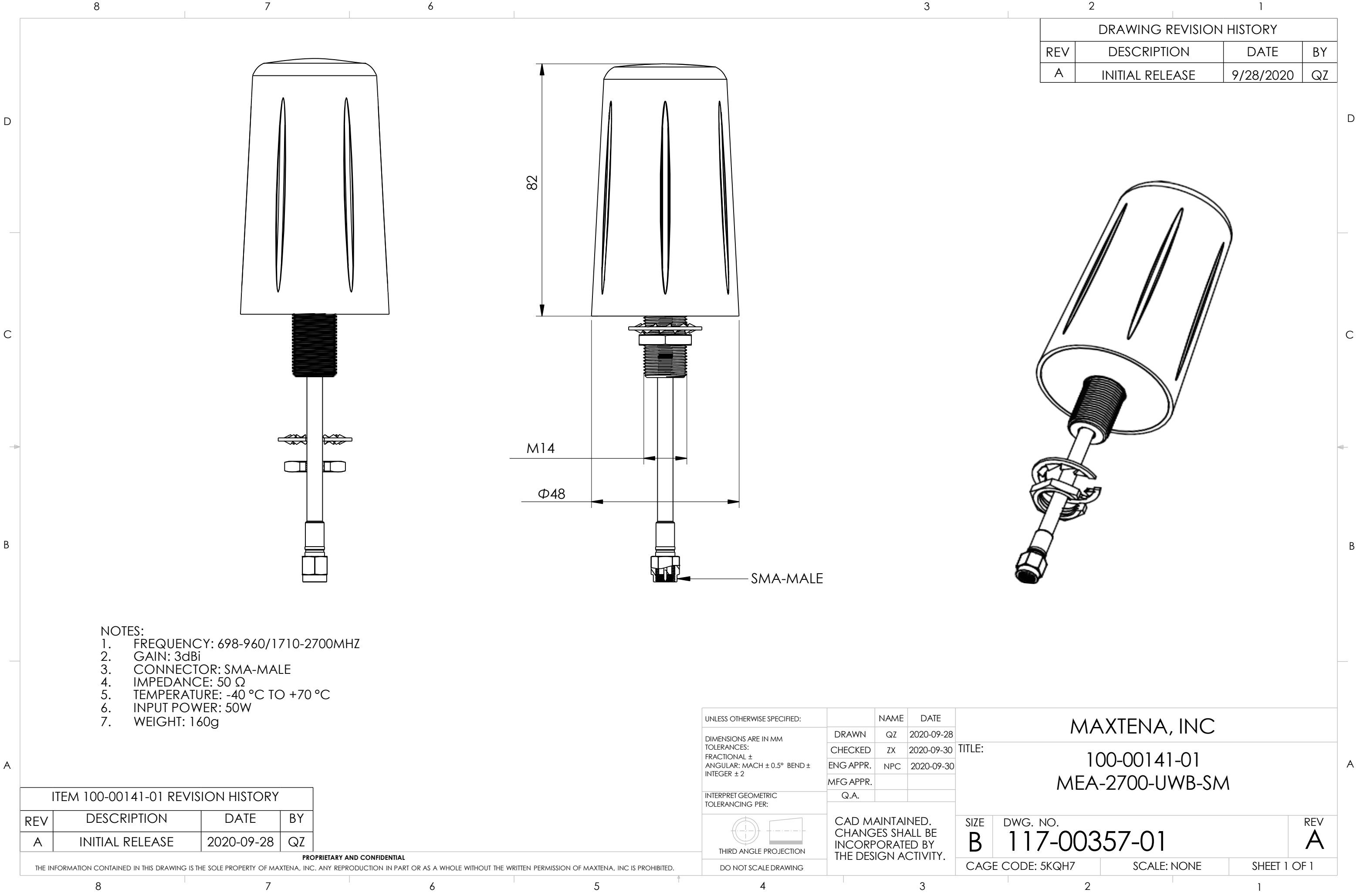
1710-2700 MHz



Gain dBi, Elevation Cut  $\Phi = 0$ , Frequency 1800.00(MHz)



Gain dBi, Conical Cut  $\Theta = 45$ , Frequency 1800.00(MHz)



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