

#### INTRODUCTION

The TAMP141 is an ultra wideband omnidirectional external antenna with high performance, covering the entire 4G LTE and 5G Sub6 frequency bands. It can be used for connecting wireless communication devices such as Consumer Premise Equipment (CPE) or various IoT applications, sensors, trackers, and smart devices to the mobile network.

#### APPLICATION

Any wireless device using 4G and/or 5G Sub6 frequency bands operating in any region throughout the world.

The TAMP141 performs especially well in the lower 600 MHz bands where newer sub6 5G bands operate.

Example Uses – Wireless Routers, Gateways, CPEs, Automotive devices, IoT devices, etc.

### Features and Benefits

- **External Antenna with Hinge Covering All 4G/5G Sub6 Bands with high Performance**
- Antenna Size: 196.32 mm x 36 mm x  $\Phi$ 13 mm
- Connector : SMA (male)
- Color : Black / White
- Operating Frequency Bands
  - o 617~960Mhz
  - o 1447~2690Mhz
  - o 3300~5925Mhz
- High Efficiency up to 82%
- Peak Gain: 2.1~ 6.4 dBi
- RoHS Compliance



### Performance

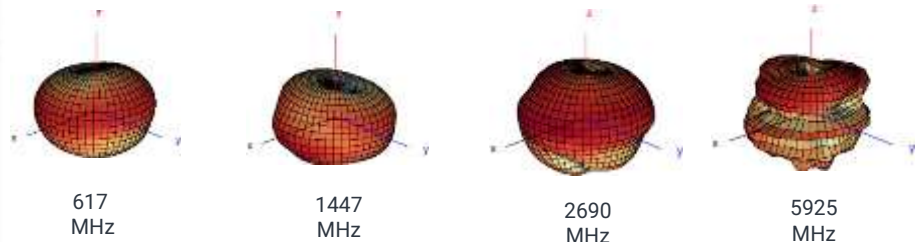
#### Gain and Efficiency

Frequency [MHz]	617	960	1447	2170	2305	2690	3300	4200	5000	5925
Efficiency [%]	57.7	77.2	72.8	82.2	70.8	77.5	75.3	76.3	77.5	66.0
Peak Gain [dBi]	2.12	3.23	2.90	2.24	1.82	2.07	6.41	2.99	3.76	4.16
Impedance	50 $\Omega$									
Polarization	Vertical									
Directivity	Omnidirectional									

#### VSWR



#### Radiation Pattern



### Dimension (unit: mm)

