

5G LTE Cellular Patch Antenna

617-960 MHz, 1427-2690 MHz, 3300-5000 MHz & 5150-5925 MHz

T5 Series



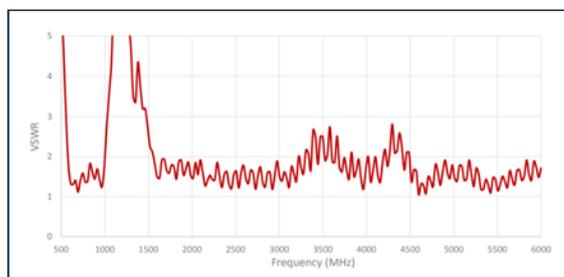
RFI brings 5G NR technology to our T5 Series by offering our new Ground Plane Independent adhesive mount antenna. This solution combines wideband multi-application device functionality that caters to 5G NR, 4G LTE, 3G, 2G and CDMA technologies operating within 617 MHz to 5925 MHz frequencies. The T5 Series is a low-cost solution with easy installation through the simple peel-and-stick application making this antenna ideal for commercial, industrial and consumer industries.

The T5 Series brings exceptional signal strength and quality in a 360-degree radiation pattern due to its omni-directional design while maintaining high peak gains and efficiencies. This antenna is designed with CATM technology taking LTE into the next generation of IoT applications making it fully compatible with existing LTE networks and reducing implementation costs for carriers via backward-compatibility. In addition, this antenna is a great solution to prepare for worldwide future technology such as NR (New Radio). The T5 Series offers NB-IoT (CAT-M2) designed to send data directly to primary servers eliminating the need for a gateway and keeping implementation costs low.

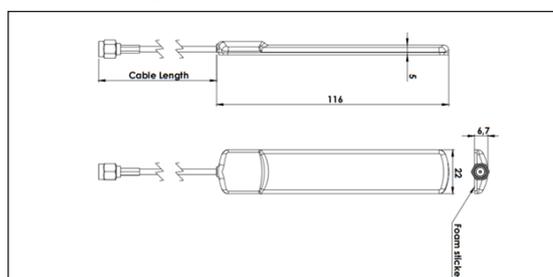
Key Features:

- Wideband frequency range; 617 to 5925 MHz
- Adhesive mount
- Ground Plane Independent
- Compact size: 116 x 22 x 6.7 mm

Typical VSWR:



Line Drawing:



Electrical Specifications

| Model Number | T5 Series | | | |
|---|--|-----------|-----------|-----------|
| Standards | 5G NR/4GLTE/FirstNet/CBRS/LPWA/CAT-X/CAT-Mx/CAT-NBx/NB-IoT/3G/2G | | | |
| Frequency MHz | 617-960 | 1427-2690 | 3300-5000 | 5150-5925 |
| Gain (Peak) dBi | 3.2 | 3.6 | 1.0 | 1.6 |
| VSWR | <1.5:1 | <1.7:1 | <1.8:1 | <1.5:1 |
| Impedance Ω | 50 | | | |
| Polarisation | Linear | | | |
| Radiation Pattern | Omni-Directional | | | |
| Max. Power W | 35 | | | |
| Antenna Measurement Conditions: Mounting on 300 x 300 x 25mm ABS Plate 1m of LL100 Cable Measured in Certified CTIA 3D Anechoic Chamber | | | | |

Mechanical Specifications

| Model Number | T5 Series |
|-------------------------------------|--|
| Mounting | Adhesive Mount |
| Dimensions mm | 116 x 22 x 6.7 |
| Radome Type | PC/ABS UV Stable |
| Radome Colour | Black |
| Standard Cable / Connector Versions | T5-3M-FME: 3m LL100 / FME female connector |
| | T5-3M-SMA: 3m LL100 / SMA male connector |
| | T5-4M-SMA: 4m LL100 / SMA male connector |
| | T5-5M-SMA: 5m LL100 / SMA male connector |
| Operational Temperature °C | -40 to +85 |
| Substance Compliance | REACH/RoHS |