



4G/3G/2G, NB-IoT, Cat-M, Lora, Sigfox, Wi-Fi 2.4, ZigBee, Bluetooth WORLD BAND ANTENNA

Part Numbers: 2195773-1

FEATURES & BENEFITS

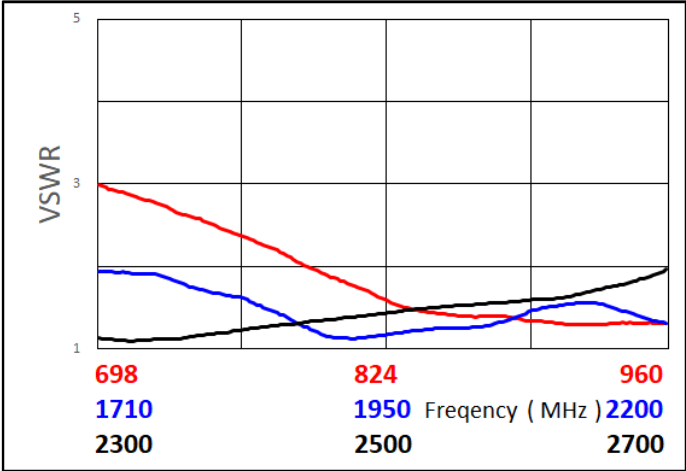
- External chassis mount antenna
- Multi Band Antenna
- Minimum or no matching circuits required
- Bandwidth and performance are not dependent on ground plane size

SPECIFICATIONS

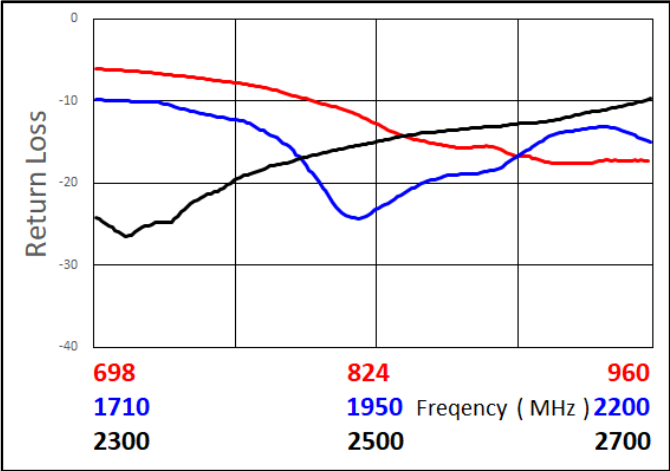
| | | |
|---|--|-----------|
| Frequency Range (MHz) | 698-960 | 1710-2700 |
| VSWR | < 3 : 1 | < 2 : 1 |
| Average Efficiency | 38% | 62% |
| Peak Gain | 0.17 dBi | 5.43 dBi |
| Average Gain | -4.2 dBi | -2.1 dBi |
| Power Handling | 10 Watt cw | |
| Feed Point Impedance | 50 ohms unbalanced | |
| Polarization | Linear | |
| Size | 113 x 17.7 mm | |
| Weight | 17.2 g | |
| Mounting | External chassis mounting antenna | |
| Mating Connector | SMA Male 90° | |
| Operating Temperature | -30 to +75°C | |
| Storage Temperature | -30 to +75°C | |
| Packaging Specification | Bag & Box | |
| Hazardous Materials | A certificate of conformance is available from the product page on TE website. | |
| Data measured in free space without ground plane. Application data may vary | | |

RF DATA

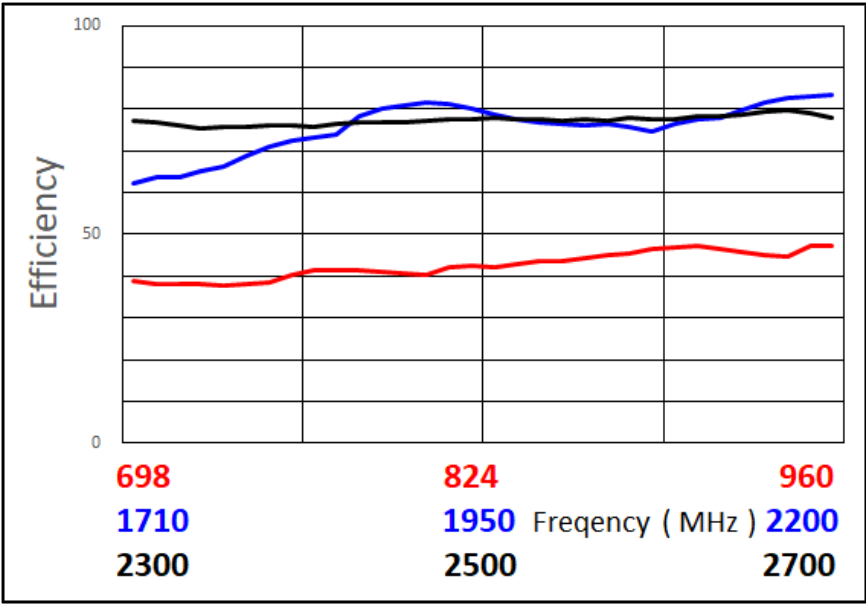
VSWR



Return Loss



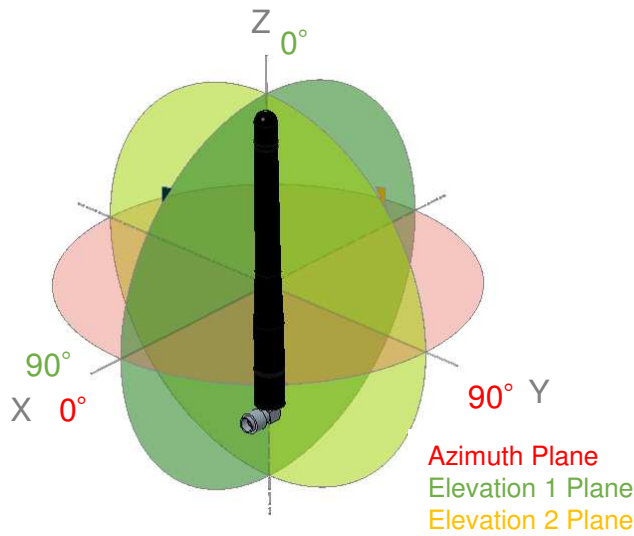
Efficiency



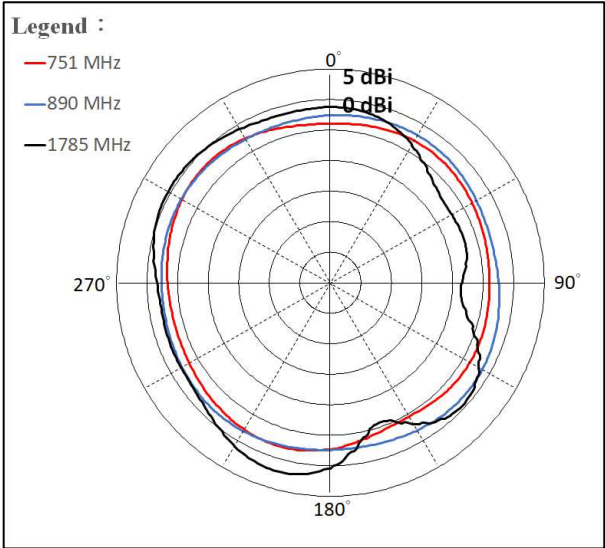
Data measured in free space without ground plane. Application data may vary.

RADIATION PATTERN

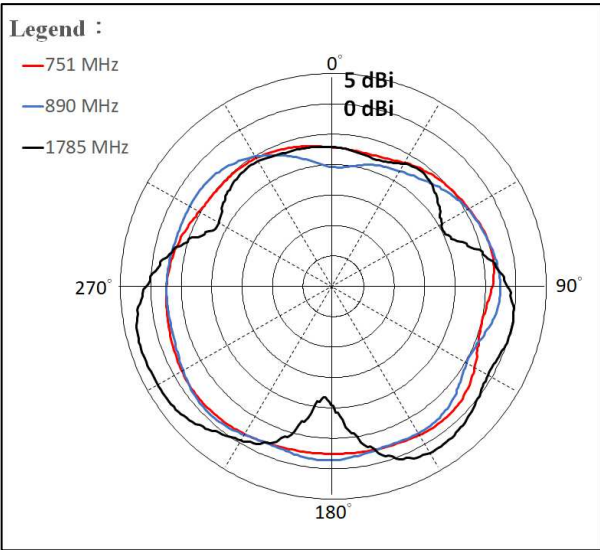
Test setup



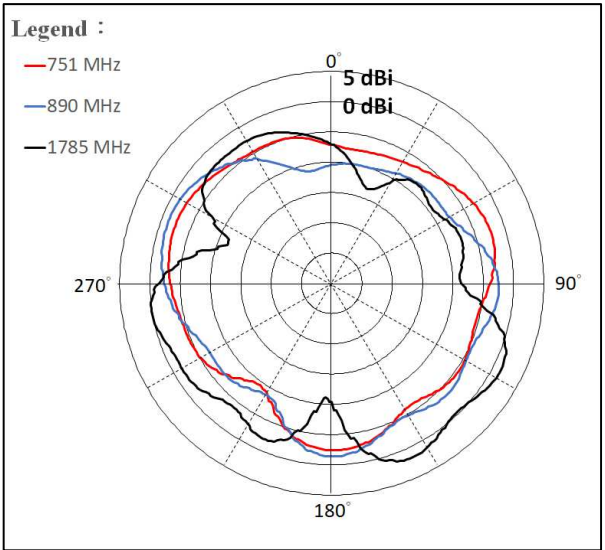
Azimuth



Elevation 1



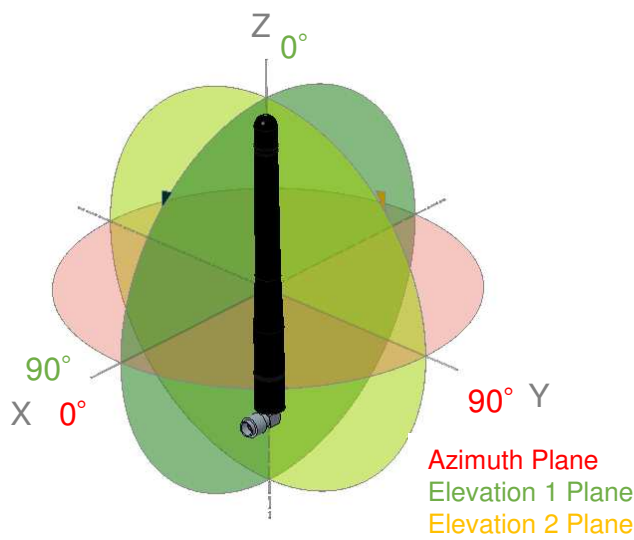
Elevation 2



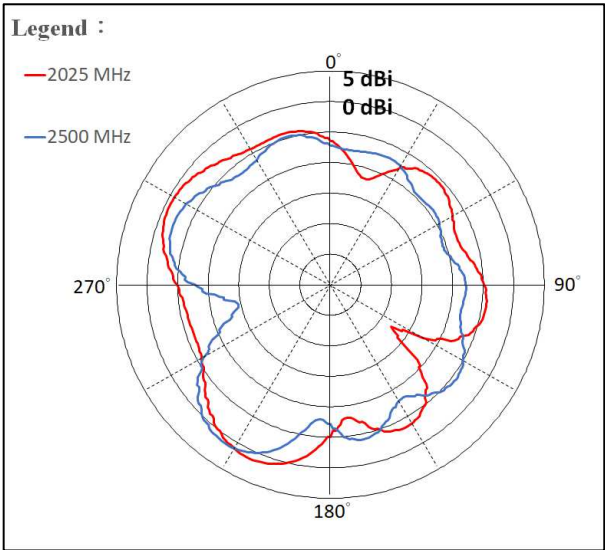
Data measured in free space without ground plane. Application data may vary

RADIATION PATTERN

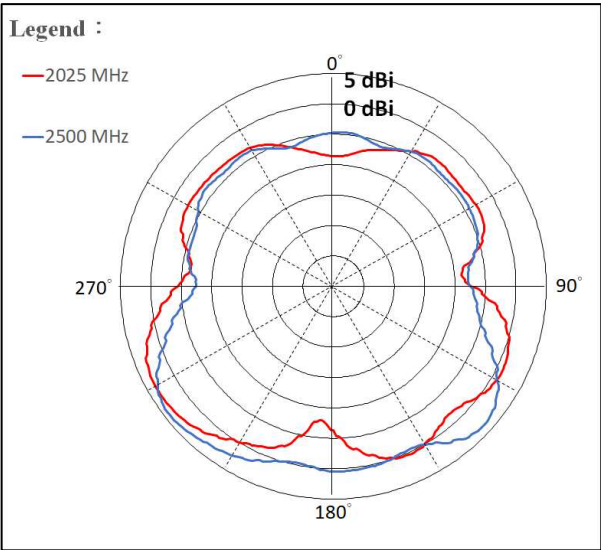
Test setup



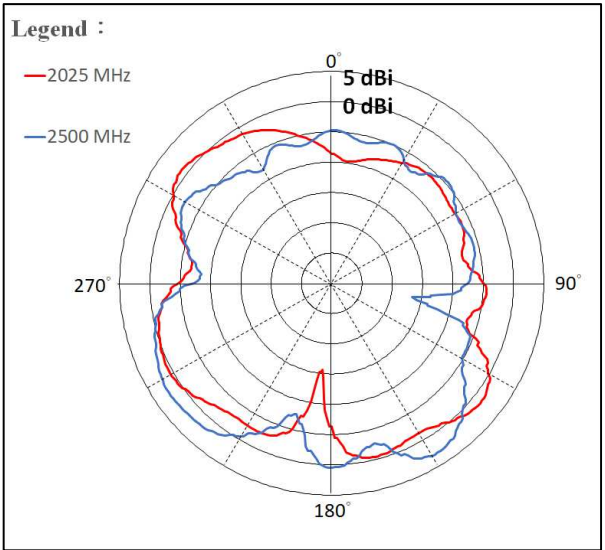
Azimuth



Elevation 1

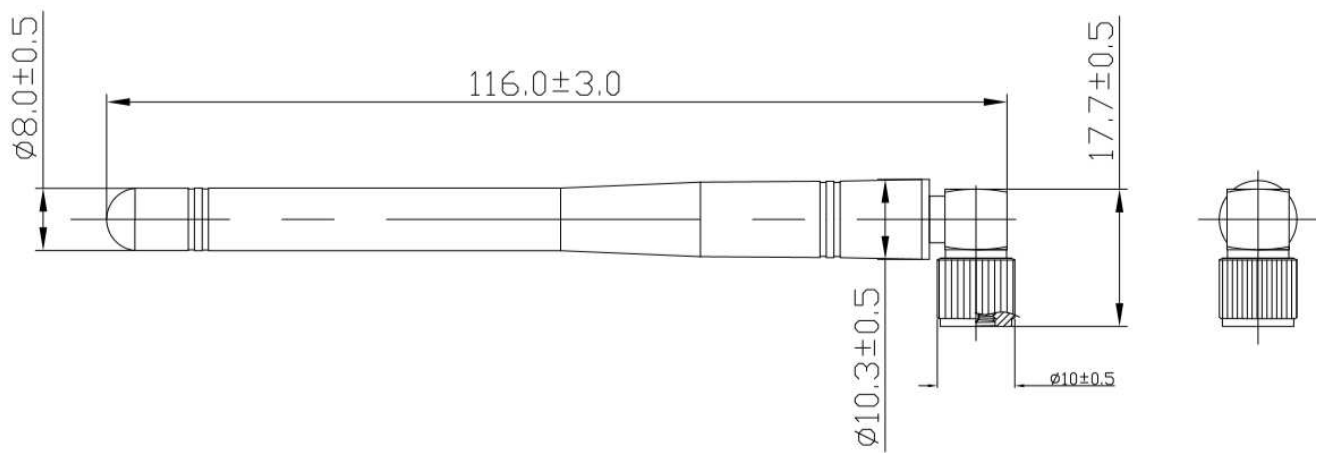


Elevation 2







Data measured in free space without ground plane. Application data may vary

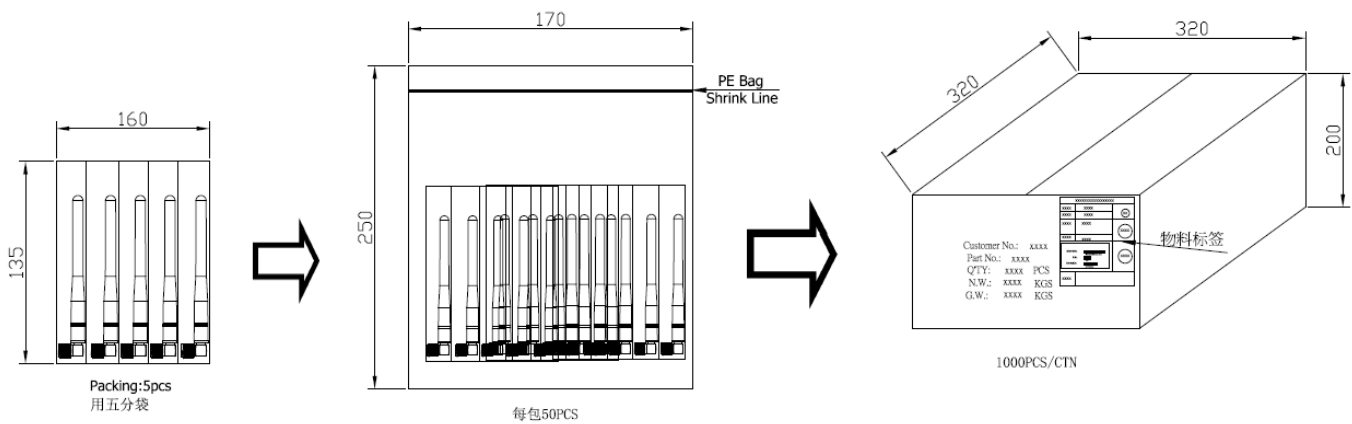
DIMENSIONS



MATING COMPONENTS

| | | | |
|-------------------|----------------|---|--|
| 2195773-1 | SMA | 5-1814400-2: SMA JACK, RIGHT ANGLE | 2016682-2: SMA GEN1 (MHF type),1.13 cable, Length=100mm 2016682-4: SMA GEN1 (MHF type),1.13 cable, Length=200mm |
| | |  |  |
| | | 5-1814832-2: SMA JACK, VERTICAL | 2016694-2: SMA GEN4 (MHF4 type),1.13 cable, Length=100mm 2016694-4: SMA GEN4 (MHF4 type),1.13 cable, Length=200mm |
| | |  |  |
| PART NUMBER | CONNECTOR TYPE | RF CONNECTOR | SMA JACK TO MICRO COAX CABLE ASSEMBLIES |
| MATING COMPONENTS | | | |

PACKAGING



TE TECHNICAL SUPPORT CENTER

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- Canada: +1 (905) 475-6222
- Mexico: +52 (0) 55-1106-0800
- Latin/S. America: +54 (0) 11-4733-2200
- Germany: +49 (0) 6251-133-1999
- UK: +44 (0) 800-267666
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