



Wi-Fi 6/6E TRIPLE BAND EMBEDDED ANTENNA

**Part Numbers: 2344655-1, 2344655-2
2344655-3, 2344655-4
2344655-5, 2344655-6
2344655-7, 2344655-8**

FEATURES & BENEFITS

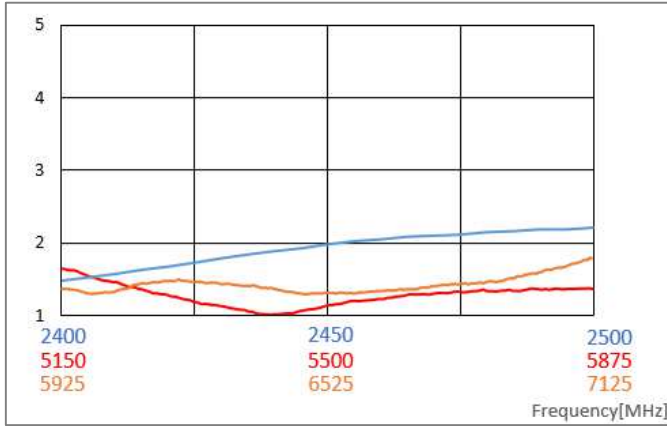
- Wi-Fi 6, also including Wi-Fi 6E new 6GHz band, Bluetooth, ZigBee
- Adhesive backing on PCB simplifies mounting within the device
- Omnidirectional coverage
- No matching components required
- Ground-plane independent design
- Different cable length and connector options available

SPECIFICATIONS (Shown as 2344655-1 : Others can vary with different cable lengths.)

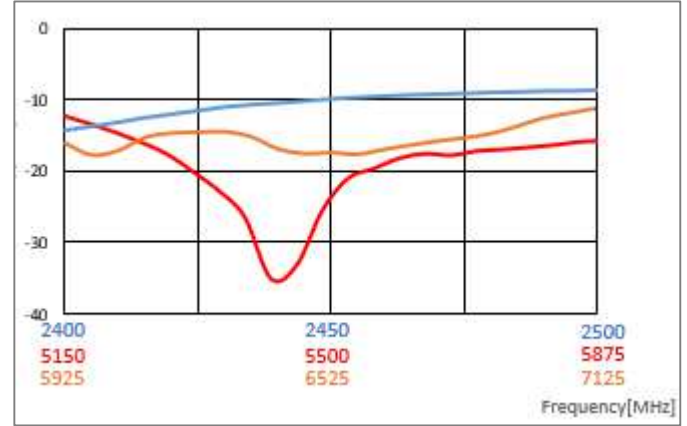
| | | | |
|-----------------------|--|-----------|-----------|
| Frequency Range (MHz) | 2400-2500 | 5150-5875 | 5925-7125 |
| VSWR | < 2.7:1 | < 1.8:1 | < 1.8:1 |
| Average Efficiency | 62% | 78% | 75% |
| Peak Gain | 1.4dBi | 3.7dBi | 5.9dBi |
| Average Gain | -2.5dB | -1.3dB | -0.9dB |
| Power Handling | 10 Watt cw | | |
| Feed Point Impedance | 50 ohms unbalanced | | |
| Polarization | Linear | | |
| Size | 33 mm x 8.0 mm x 1.0 mm | | |
| Weight | < 1.2 g | | |
| Mounting | Adhesive Tape | | |
| Mating Connectors | MHF and MHF4-type, Refer to page 5 | | |
| Cable (Coaxial) | 0.81mm and 1.13mm Dia., Refer to page 5 | | |
| Operating Temperature | -40 to +85°C | | |
| Storage Temperature | -40 to +85°C | | |
| Hazardous Materials | A certificate of conformance is available from the product page on TE website. | | |

RF DATA (Shown as 2344655-1 : Others can vary with different cable lengths.)

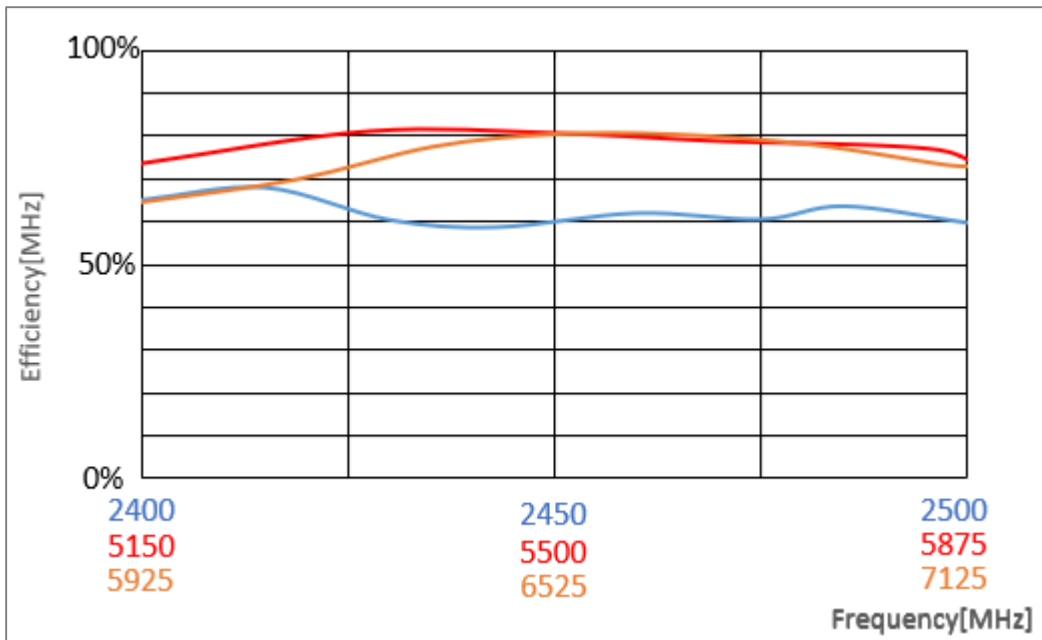
VSWR



Return Loss



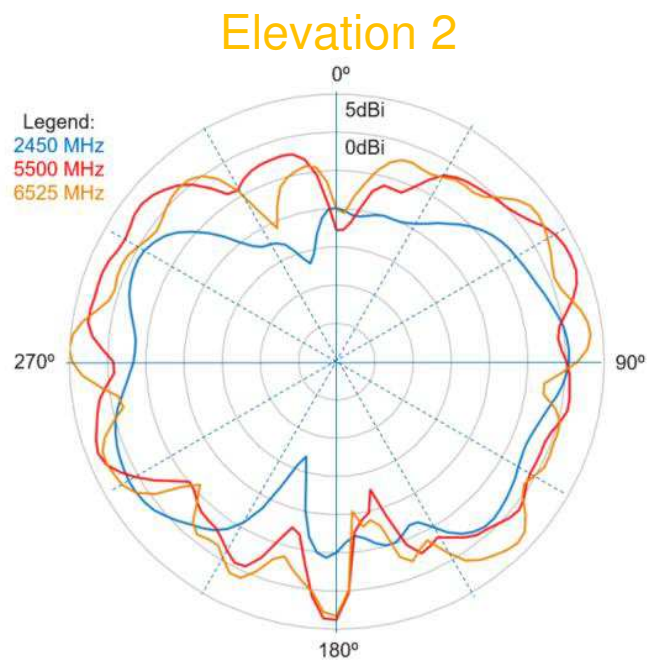
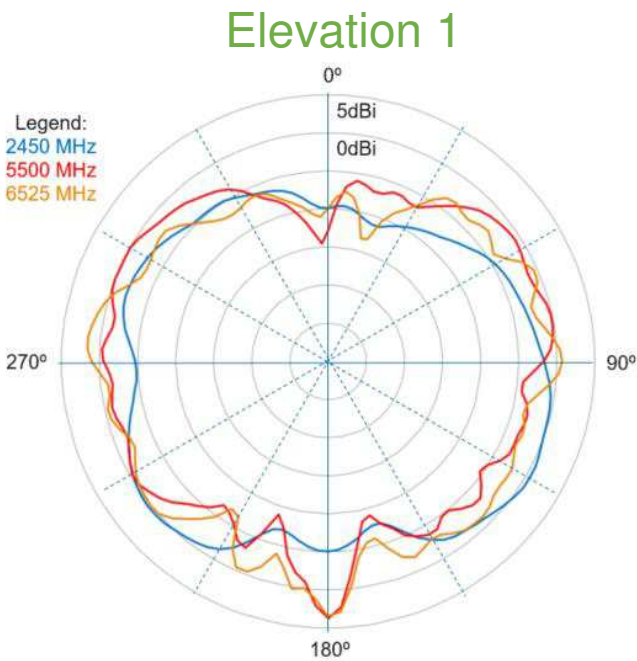
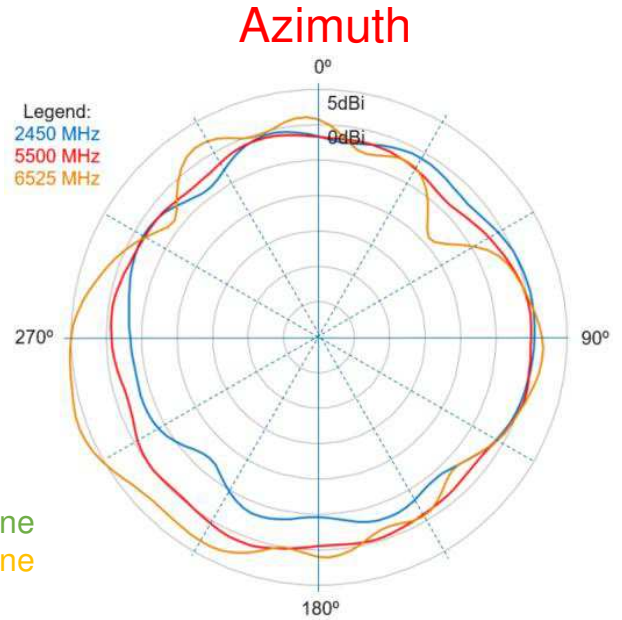
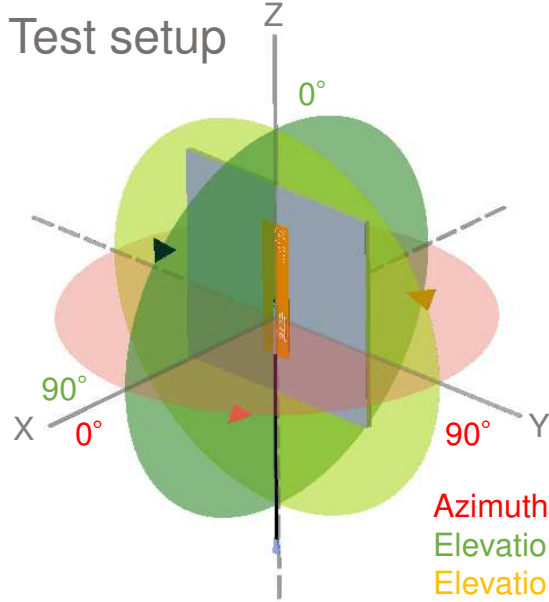
Efficiency



Data measured in free space and on plastic device enclosure

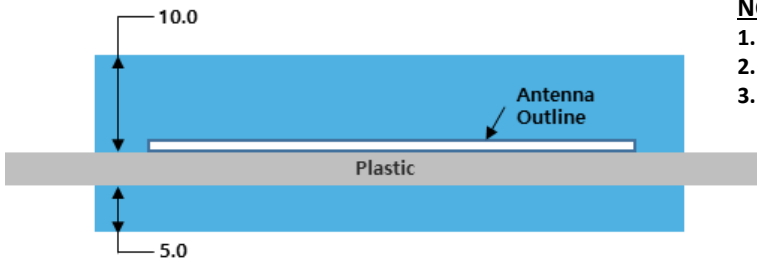
RADIATION PATTERN

(Shown as 2344655-1 : Others can vary with different cable lengths.)



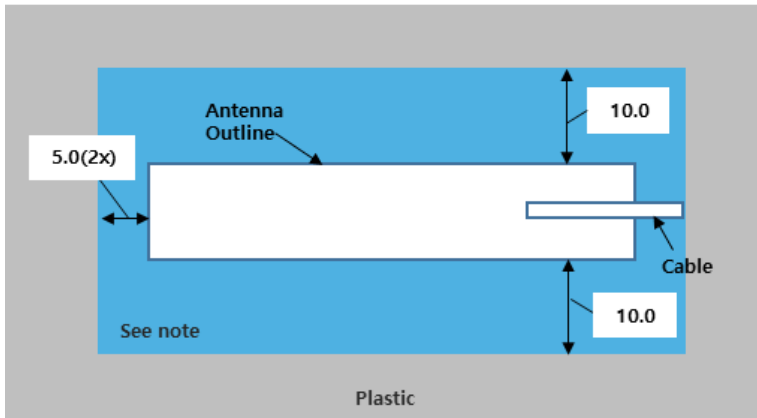
Data measured in free space and on plastic device enclosure

KEEP OUT AREA



NOTES

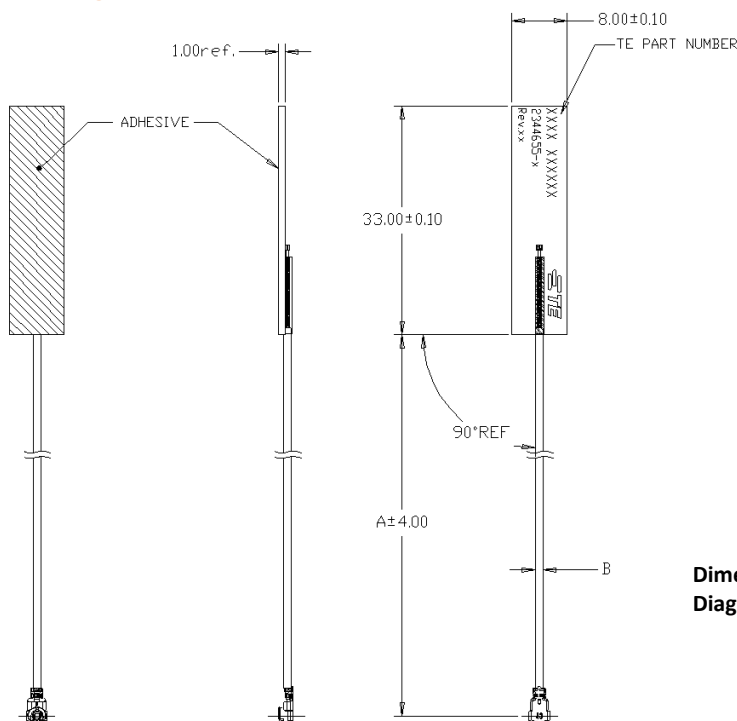
1. Antenna designed to be mounted on plastic cover.
2. Area in blue indicates Keep Out Area
3. Contact TE if keep out zone cannot be guaranteed.



Dimension: mm
Diagrams is not into scale

DIMENSIONS

(Refer to Page5 for dimension "A" and "B")



Dimension: mm
Diagrams is not into scale