

Overview

Southwest Antennas Part # 1001-265 is a half wave dipole omni-directional antenna with a frequency range of 1,980 to 2,700 MHz and 2.0 dBi of peak gain.

Part # 1001-265 offers a wide operating frequency covering many popular bands used by the military, federal law enforcement, broadcast video, and ISM. The matte black radome and a black chrome non-rotating TNC(m) RF connector makes this antenna ideal for tactical deployments.

The antenna's small size allows for a number of applications, including hand-held and bodyworn tactical MIMO / MANET mesh radio systems, unmanned vehicles, and surveillance systems.

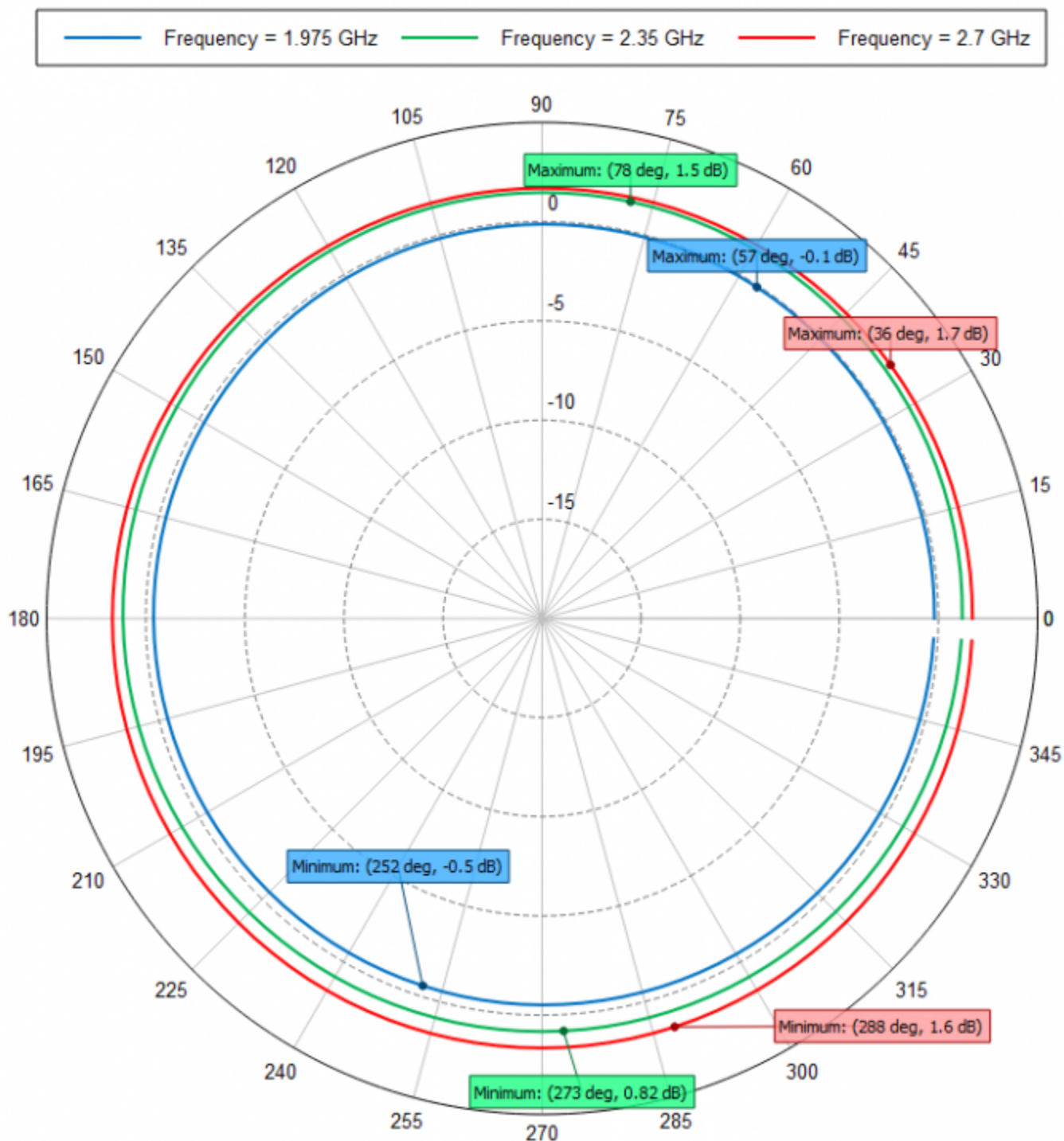
Features:

- Broad Band Coverage
- Half Wave Dipole Design
- 1,980 - 2,700 MHz
- 24W Power Handling
- 2.0 dBi Omni Radiation Pattern
- Black Chrome Non-Rotating TNC(m) Connector



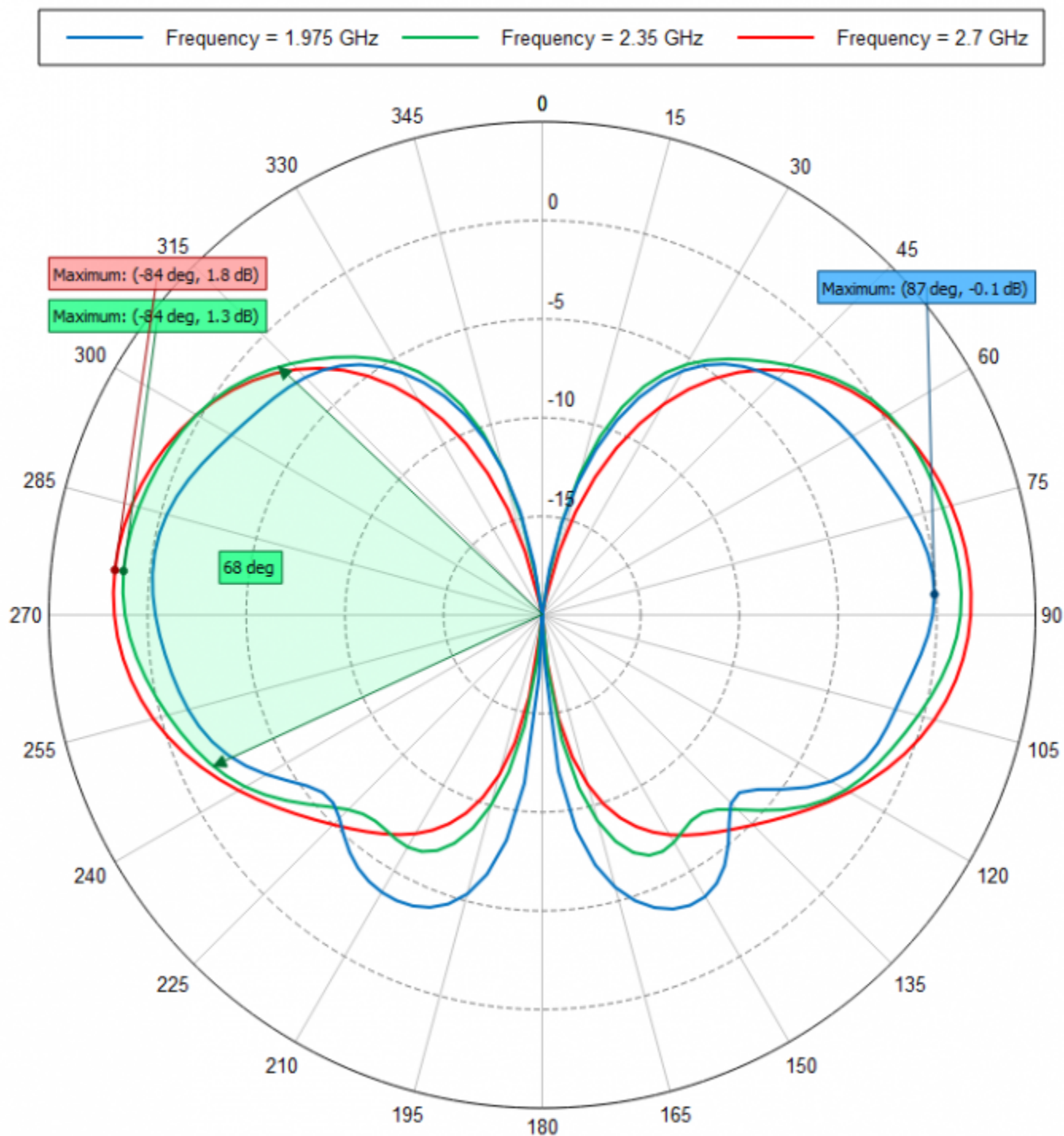
Antenna Specifications

| Parameter | Value | Units | Tolerance |
|-----------------------------|---------------------|-------------|-----------|
| Antenna Pattern | Omni Antenna | | |
| Frequency Band | L & S | | |
| Impedance | 50 | Ohms | |
| Minimum Frequency | 1.98 / 1,980 | GHz / MHz | |
| Maximum Frequency | 2.7 / 2,700 | GHz / MHz | |
| Frequency Bandwidth | 0.72 / 720 | GHz / MHz | |
| Maximum VSWR | 2:1 | Ratio | |
| Maximum Gain | 2 | dBi | |
| Polarization | Vertical | | |
| Maximum RF Input Power | 24 | Watts | |
| Horizontal (AZ) Beamwidth | 360 | Degrees | |
| Vertical (EL) Beamwidth | 63 - 76 | Degrees | |
| Ground Plane Required | No | | |
| Radome Material | G10 Fiberglass | | |
| Color | Black | | |
| RF Connector Type | TNC(m) Non-Rotating | | |
| RF Connector Features | Black Chrome | | |
| Operating Temperature Range | -40 to +85 | C | |
| Product Height | 4.92 / 124.97 | inches / mm | |
| Product Diameter | 0.56 / 14.27 | inches / mm | TBD |
| Product Weight | 2.1 / 58.5 | oz / grams | |



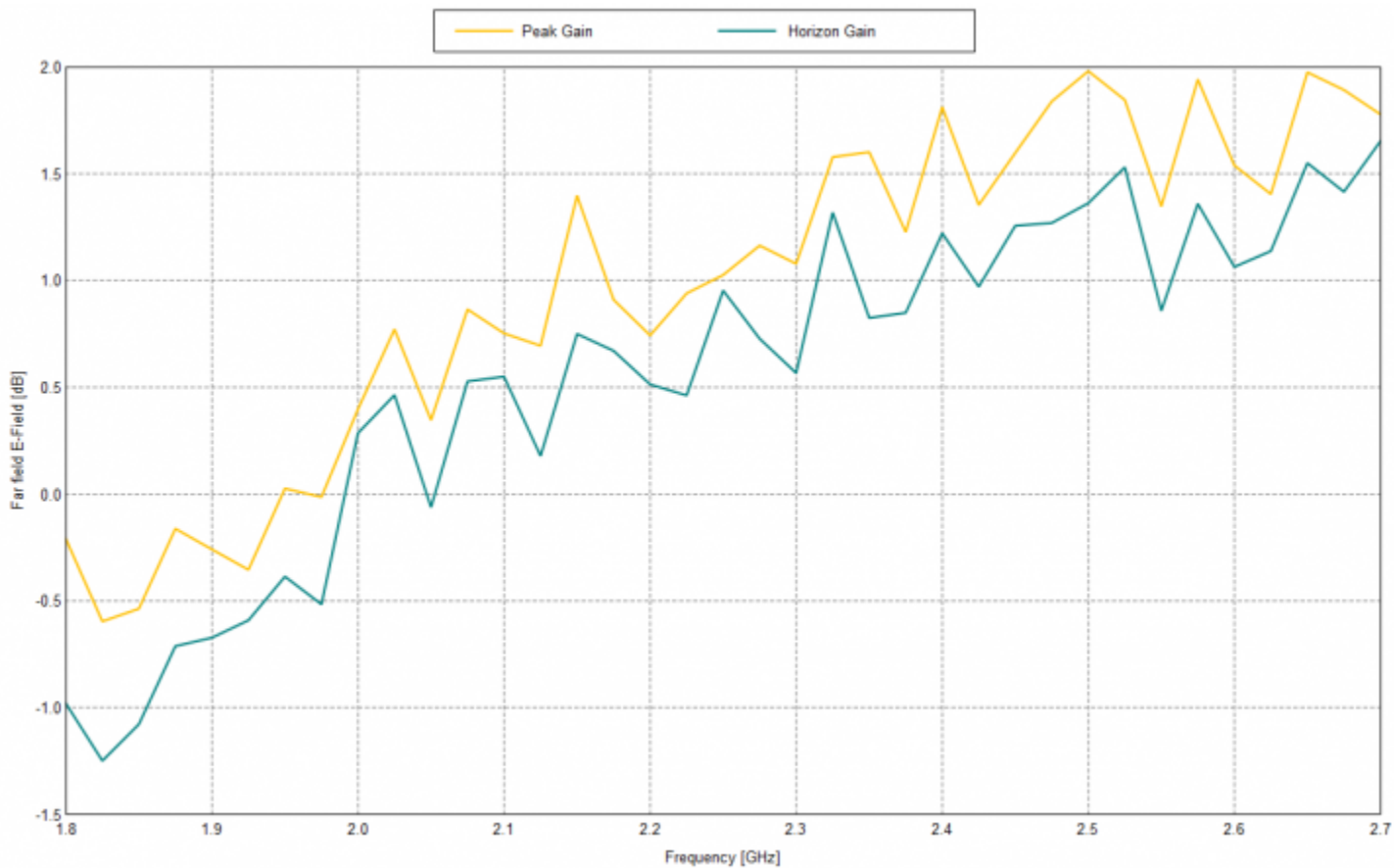
Azimuth Pattern

Referenced to 0 dBi

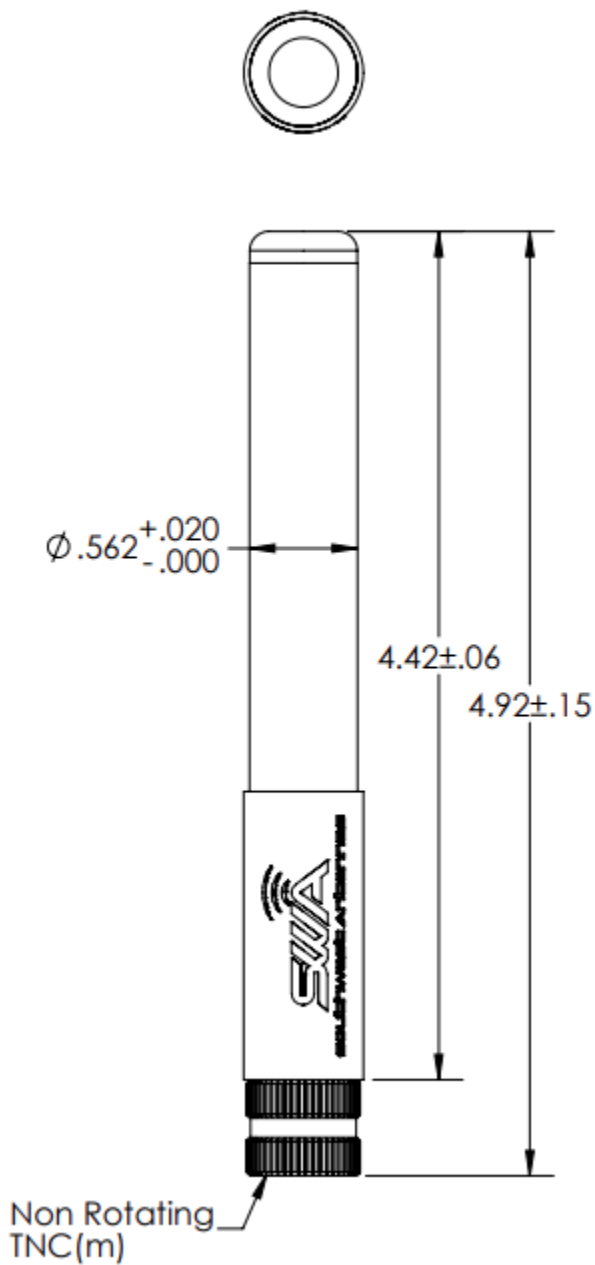


Elevation Pattern

Referenced to 0 dBi



Gain vs. Frequency Plot



Engineering Drawing

All dimensions are in inches