

**Table 1-4. Antenna Part Number 901167-1 Specifications**

<b>Characteristic</b>	<b>Specification</b>
Frequency Range	2.39 GHz – 2.49 GHz and 4.9 – 5.9 GHz
Typical Gain	2.5 dBi at 2.45 GHz, 2 dBi at 5.0 GHz, 3.0 dBi at 5.25 GHz and 5.8 GHz
Peak Gain	3.5 dBi at 2.45 GHz, 2.5 dBi at 5.0 GHz, 3.5 dBi at 5.25 GHz and 5.8 GHz
VSWR	<4.0:1
Nominal Impedance	50 ohms
Radome Material	Ultem 1000 Thermoplastic
Cable	7.25-inch Plenum, RG-316U coaxial
Polarization	Horizontal
Grounding Protection	DC Grounded
Connector Type	Male TNC
Size	0.48 inch x 4.7 inches x 0.5 inch
Weight	1 ounce
Operating Temperature Range	-40°C to +71°C

**Table 1-5. Antenna Part Number 901167-2 Specifications**

<b>Characteristic</b>	<b>Specification</b>
Frequency Range	2.39 GHz – 2.49 GHz and 4.9 – 5.9 GHz
Typical Gain	-4.0 dBi at 2.45 GHz, -3.5 dBi at 5.15 GHz, -1.0 dBi at 5.25 GHz, -2.2 dBi at 5.85 GHz
Peak Gain	2.6 dBi at 2.4 GHz, 0 dBi at 5.15 GHz, 1.2 dBi at 5.25 GHz and 5.85 GHz
VSWR	<4.0:1
Nominal Impedance	50 ohms
Radome Material	Ultem 1000 Thermoplastic
Cable	7.25-inch Plenum, RG-316U coaxial
Polarization	Horizontal
Grounding Protection	DC Grounded
Connector Type	Male TNC
Size	0.48 inch x 4.7 inches x 0.5 inch
Weight	1 ounce
Operating Temperature Range	-40°C to +71°C

**Table 1-6. Antenna Part Number 901058-1 Specifications**

Characteristic	Specification
Frequency Range	2.2 GHz – 2.5 GHz
Radiation Pattern	Omni-directional
Typical Gain	4.15 dBi at 2.35 GHz
Peak Gain	5.00 dBi at 2.35 GHz
Input Power	1000 Watts peak, 50 Watts continuous
VSWR	≤ 1.5:1
Nominal Impedance	50 ohms
Material	A-356 Aluminum Alloy Casting
Finish	Skydrol Resistant Enamel
Polarization	Vertical
Grounding Protection	DC Grounded
Lightning Protection	DC Grounded per MIL-A-9094, B-5087
Connector Type	Female TNC
Size	1.3 inches x 5.17 inches x 1.75 inches
Weight	3 ounces
Operating Temperature Range	-53°C to +85°C
Altitude	-1,800 feet to +70,000 feet

**Table 1-7. Antenna Part Number 901563-2 Specifications**

Characteristic	Specification
Frequency Range	1.9 GHz – 2.5 GHz
J1	1.9 GHz – 2.5 GHz
J2	4.8 – 5.875 GHz
Typical Gain	4.00 dBi at 2.45 GHz, 4.45 dBi at 2.50 GHz, 4.80 at 4.80 GHz, 4.85 dBi at 5.25 GHz, 3.45 dBi at 5.875 GHz
Peak Gain	4.75 dBi at 2.45 GHz, 4.85 dBi at 2.50 GHz, 5.00 dBi at 4.8 GHz, 5.00 dBi at 5.25 GHz, 4.00 dBi at 5.875 GHz
Radiation Pattern	Omni-directional
Input Power	1000 Watts peak, 50 Watts continuous
VSWR	≤ 2.0:1
Nominal Impedance	50 ohms
Material	Aluminum Alloy 6061-T6, Thermoset Plastic
Finish	Skydrol Resistant Polyurethane Enamel Gloss White FED-STD-595 Color 17925
Polarization	Vertical
Lightning Protection	DC Grounded per MIL-A-9094, B-5087
Connector Type	Female TNC
Size	2.86 inches x 5.12 inches x 2.00 inches
Weight	7 ounces
Operating Temperature Range	-54°C to +85°C
Altitude	-1,800 feet to +70,000 feet