

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

Characteristic	Specification
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

Characteristic	Specification
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	4.8 – 5.875 GHz
J2	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
Typical 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
Peak Gain	Omni-directional
Radiation Pattern	1000 Watts peak, 50 Watts continuous
Input Power	≤ 2.0:1
VSWR	50 ohms
Nominal Impedance	Aluminum Alloy 6061-T6, Thermoset Plastic
Material	Skydrol Resistant Polyurethane Enamel
Finish	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