

WB-5600S

Part # 1000-2174-201



Designed for high performance,
up to 200 W

Effective operation in the UHF/SHF
bands up to 6 GHz

500-6000 MHz UHF/SHF Vehicle Jamming Antenna

The WB-5600S antenna is a wideband vehicle antenna with an frequency bandwidth of 500-6000 MHz and works ground plane independently. This antenna is well suited for communication and jamming applications in the UHF/SHF bands up to 6 GHz.

Specifications

Electrical

Frequency Range	500-6000 MHz
VSWR	$\leq 3.0:1$
Gain	(See measured patterns on pg 2)
Polarization	Nominally Vertical
Power Rating (RMS)	500-1000 MHz : 200 W 1000-2000 MHz : 150W 2000-4000 MHz: 100 W 4000-6000 MHz : 80 W
Nominal Impedance	50 Ω
Radiation Pattern	Omnidirectional

Mechanical

RF Connection	Type 'N' Female (1 each)
Radiator	Radome protected
Mounting	4 holes (.41") on 4.5" Bolt Circle & 3/6 NATO pattern mount
Height	15.55 inches (395 mm)
Weight	5 lbs (2.1 kg)
Standard Color	Black / Olive Green

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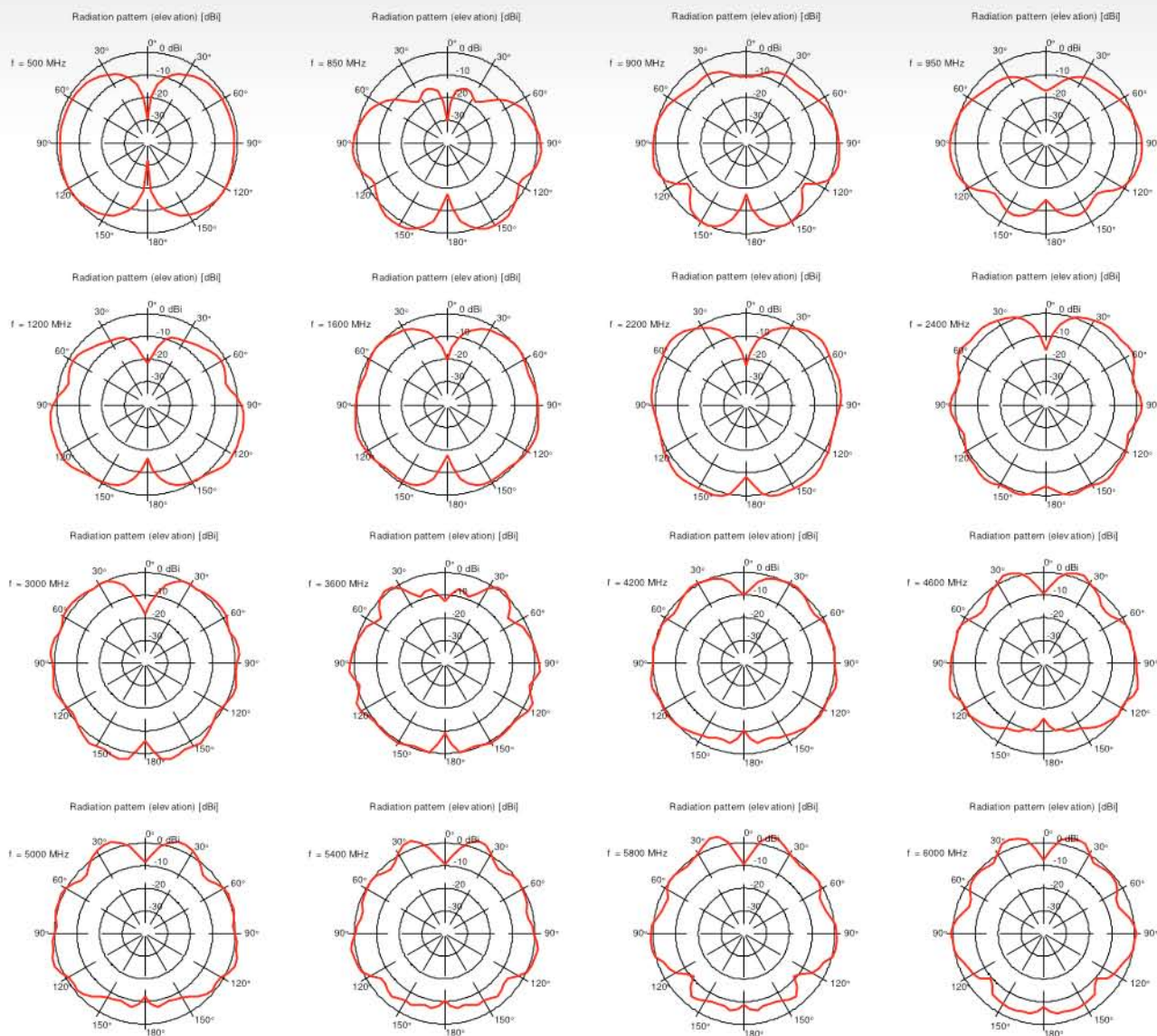


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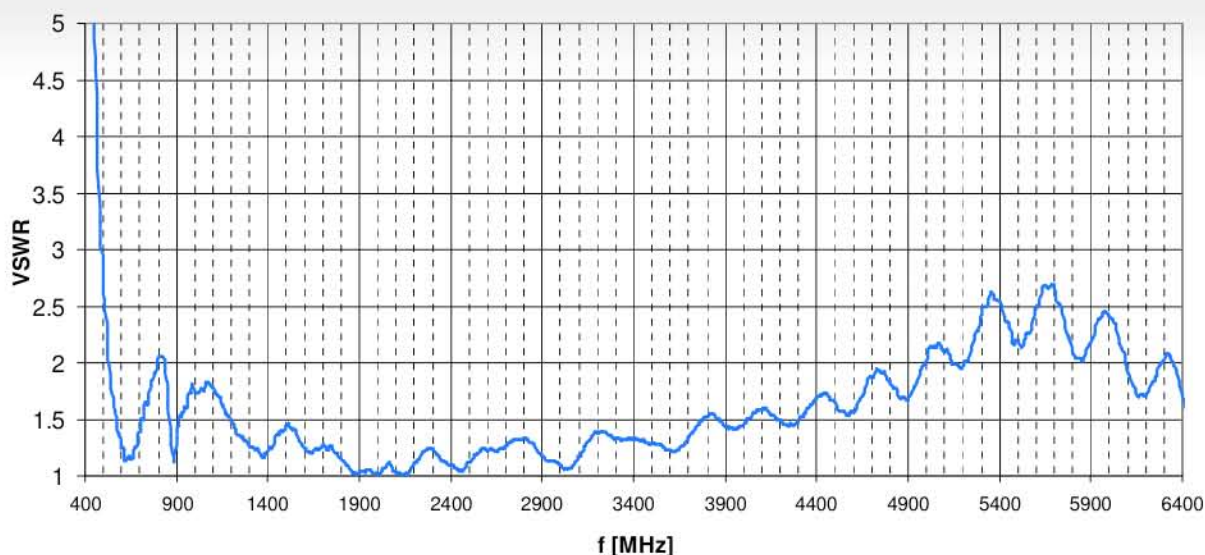
Measured free space radiation patterns and VSWR response
with the antenna mounted in a no ground plane environment:



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For perfect operation there should be free space around the antenna.



Environmental Specifications

Temperature

*Operating -40° C to +71° C

*Storage -40°C to +85°C

Humidity

MIL-STD-810E Method 507.3 Procedure III
(cycle with extreme at 95% RH, +60° C)

Shock

MIL-STD-810F, Method 516.5 Procedure I (terminal peak sawtooth shock pulse, peak 40 g, duration 11 ms, three shocks each of three orthogonal axes in both positive and negative direction)

Radome Vibration

MIL-STD-810, Method 514.5 Category 24 – All material-minimum integrity test, exposure levels according to Figure 514.5C-17

Blowing Rain

MIL-STD-810F Method 506.4 Procedure I (rainfall rate 150 mm/h, wind speed 30 m/s)

Water Immersion

MIL-STD-810F Method 512.4 Procedure I (depth 1 m)

Wind Speed

118 mph (190 km/h)

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