200-6000 MHz Wideband Vehicular Antenna

- Rugged
- High power rating, up to 200 W at 100% duty-cycle
- Effective coverage of the entire frequency range

FEATURES

The WB-1A is a rugged, high performance vehicular antenna for use in communcations and jamming applications within the 200 -6000 MHz frequency range. Designed primarily for military vehicles, its wide bandwidth makes it ideal for software defined radios.

SPECIFICATIONS

ELECTRICAL

Frequency Range	200-6000 MHz
Polarization	Vertical
Radiation Pattern	Omnidirectional
Gain	2-6 dBi (frequency dependent)
VSWR	≤2.5:1
Nominal Impedance	50 Ω
Power Rating (RMS)	200 W

MECHANICAL

Antenna Type	Monopole (ground plane required below 500 MHz)
Standard Color	Black
RF Connector	Female N-type
Mounting	4 holes (.41”) NATO standard on 4.5” Bolt Circle
Height	9 inches (1930 mm)
Diameter	6 inches
Weight	3 lbs (3.3 kg)

ENVIROMENTAL

Temperature	
Operating	-40° C to +55° 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
Vibration	MIL-STD-810, Method 514.5 Category 24
Water Immersion	MIL-STD-810F Method 512.4 Procedure I (depth 1 m)
Wind Speed	160 mph (99.42 km/h)
Blowing Rain	MIL-STD-810F Method 506.4 Procedure I (rainfall rate 150 mm/h, wind speed 30 m/s)

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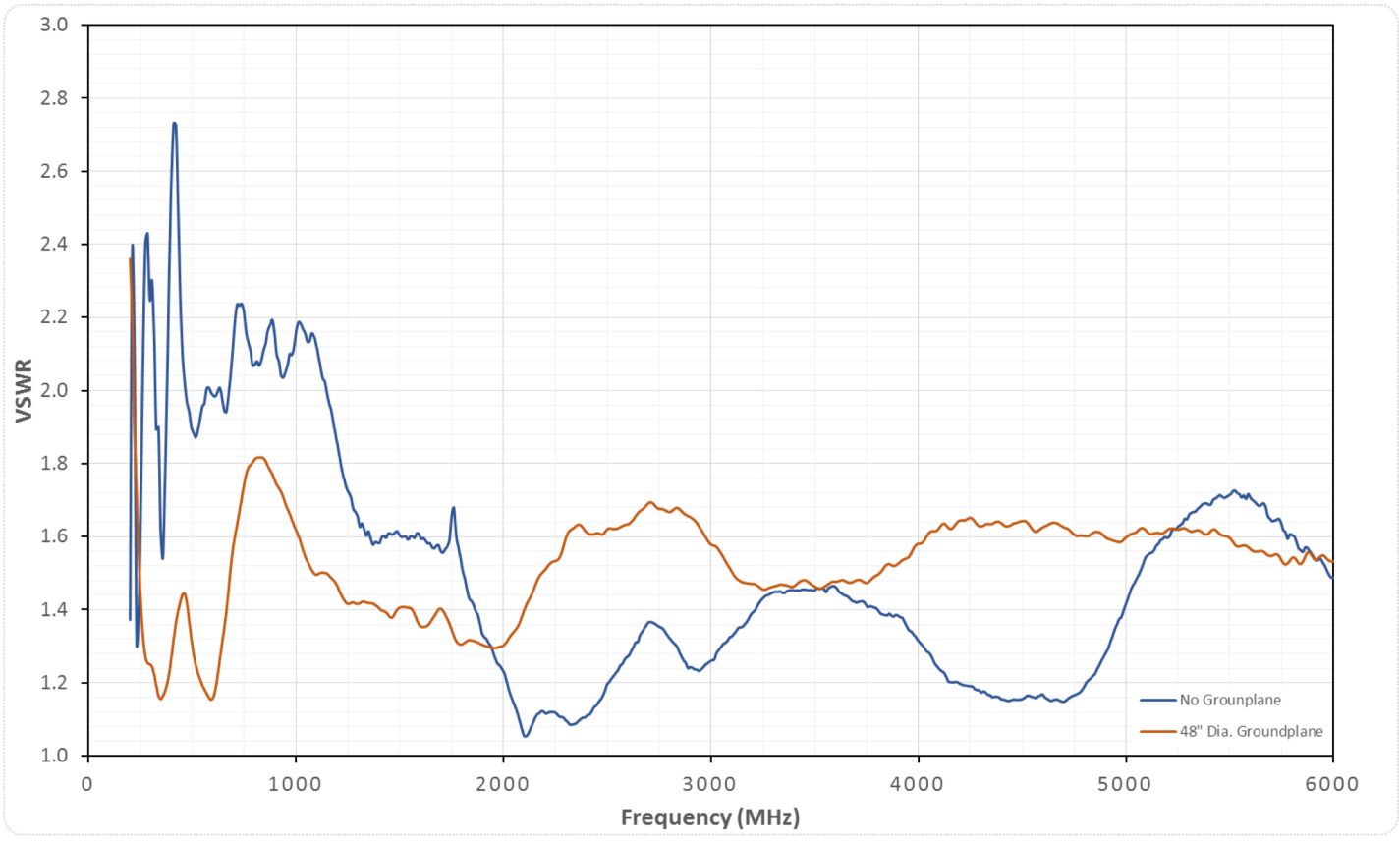
WB-1A VSWR



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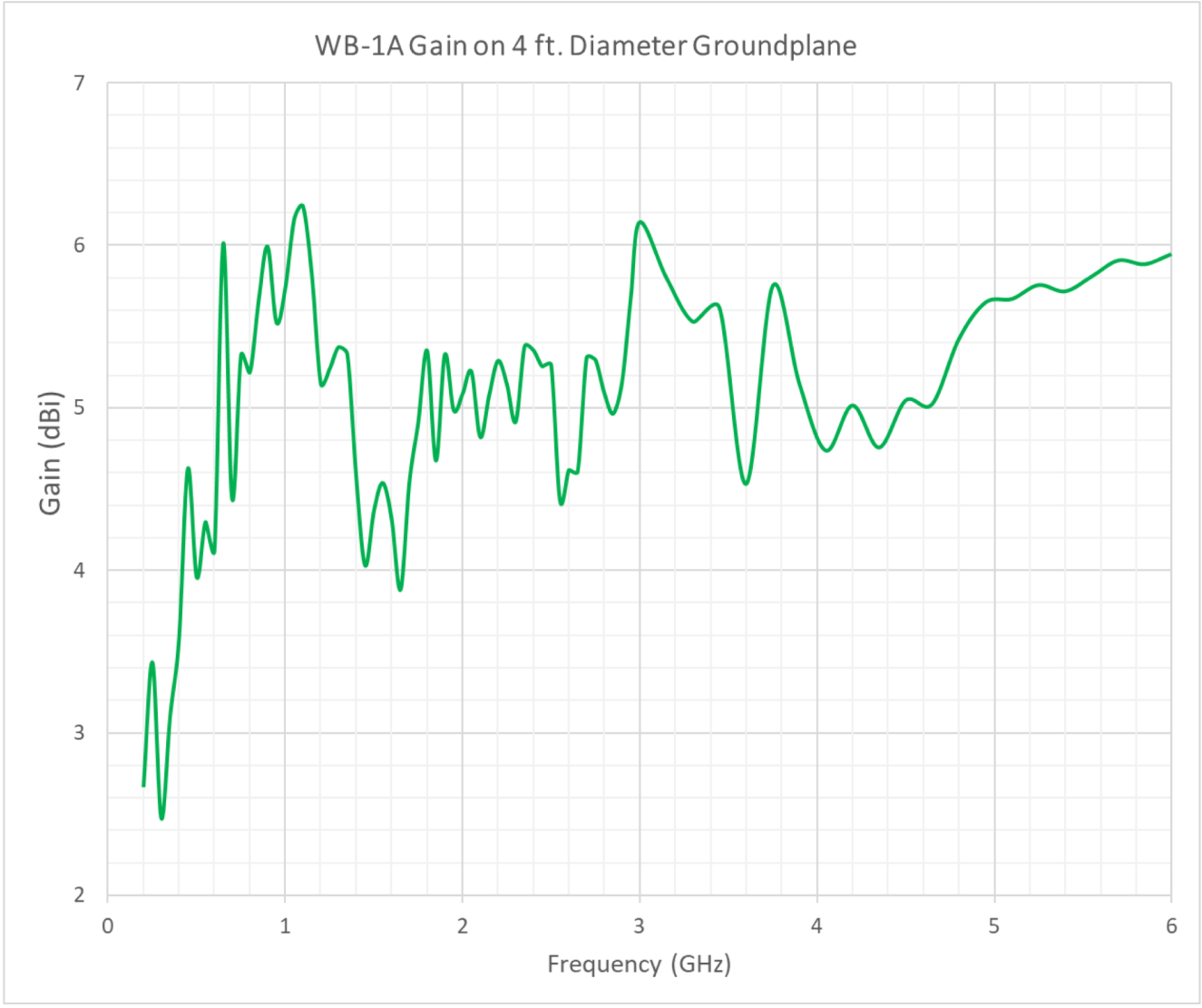
WB-1A Gain



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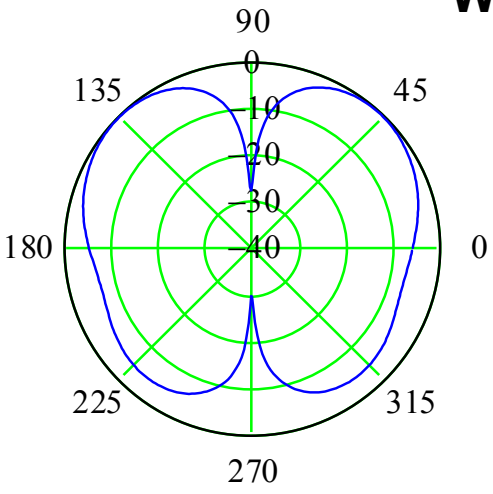
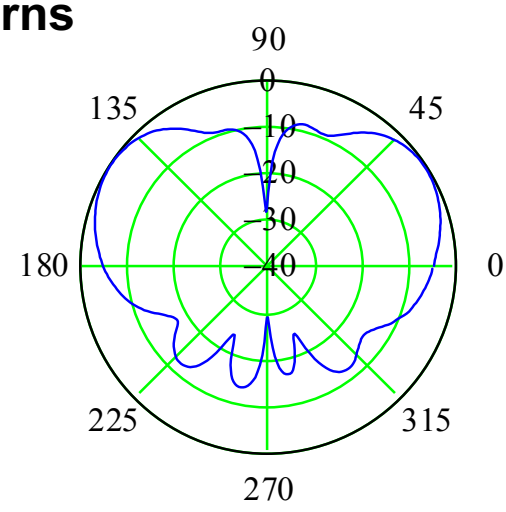
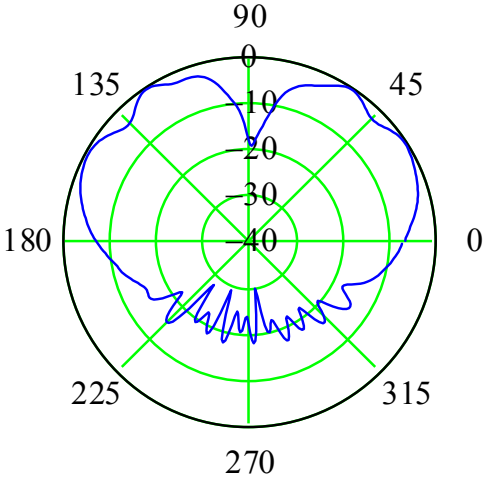
WB-1A Patterns



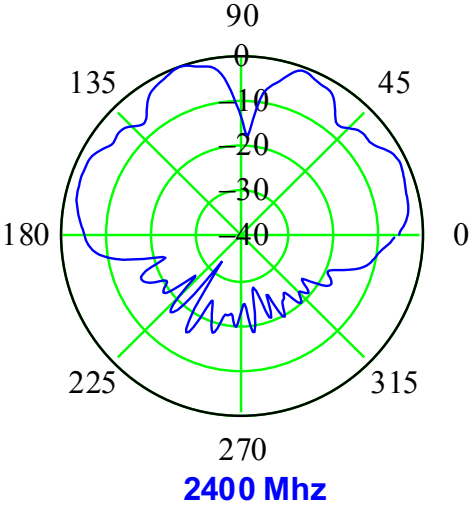
200 Mhz



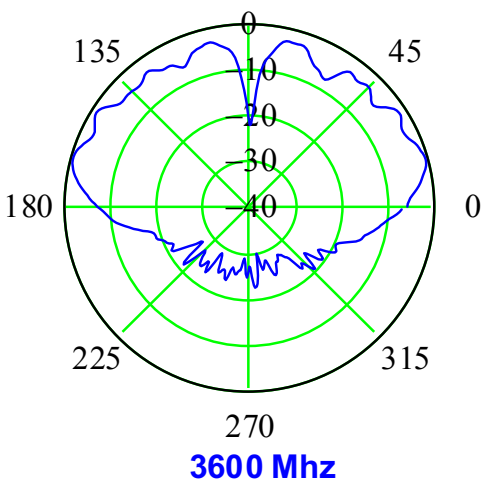
600 Mhz



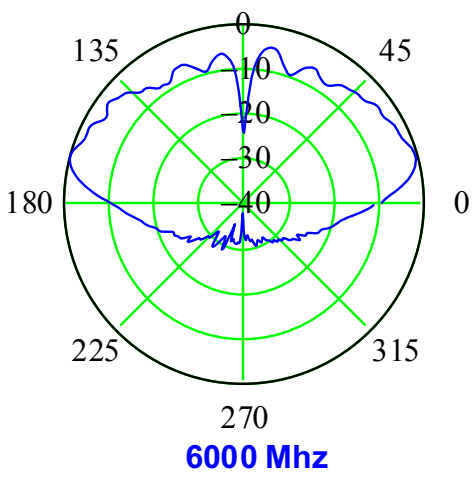
1600 Mhz



2400 Mhz



3600 Mhz



6000 Mhz

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