

B1322W

Wide Band Mobile Load Coil Antenna 132-174 MHz

TE Connectivity's ongoing commitment to refinement in mechanical and electrical design has resulted in the most technically advanced mobile load coil antennas on the market. Exclusive features such as stainless-steel whips, housings constructed with ABS material injected molded around a solid brass insert, and gold-plated push pin contacts make TE the obvious choice for quality and long-lasting value for demanding mobile radio communications.

FEATURES AND BENEFITS

- High performance wide-band mobile antenna
- Special UV-treated radome, resists sun damage
- Easy installation with optional NMO mounts
- 100% tested on a network analyzer
- Field tunable to your specific frequency requirement
- (cutting chart comes with the antenna)
- 1/2 wave design for both ground plane and no ground plane installations

APPLICATIONS

- Public safety
- Transportation
- Utility
- Military mode

ELECTRICAL SPECIFICATION	
Operating Frequency (MHz)	132-174 (field-tunable)
VSWR	<2.0:1
Gain (dBi)	2.4
Bandwidth (MHz)	23
Pattern	Omnidirectional
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical

ENVIRONMENTAL SPECIFICATIONS	
Wind Survival – km/hr (mph)	161 (100)
Material Substance Compliance	RoHS

MECHANICAL SPECIFICATIONS	
Whip length at 132 MHz – cm (inches)	~ 102 (40)
Diameter – mm (inches)	36.7 (1.45)
Weight – kg (lbs.)	0.44 (1.2)
Mounting Options	NMO Mountable, Ground plane & No Ground Plane surfaces
Radiator Material	0.125" diameter, 17-7PH stainless steel whip
Spring Material (spring models only)	Stainless steel tempered spring
Base housing material	Chrome-plated brass top and bottom bushings with injection molded ABS plastic
Lightning Protection	-

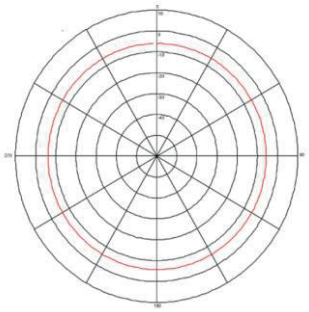
CONFIGURATION

PART NUMBER	DESCRIPTION	CONNECTOR
B1322W	B-coil wide-band antenna (chrome)	1 1/8" 18 thread (NMO) mountable
BB1322W	B-coil wide-band antenna (black)	1 1/8" 18 thread (NMO) mountable
B1322WS	B-coil wide-band antenna (chrome) w/ spring	1 1/8" 18 thread (NMO) mountable
BB1322WS	B-coil wide-band antenna (black) w/ spring	1 1/8" 18 thread (NMO) mountable

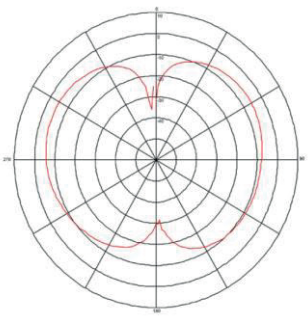
RADIATION PATTERNS

132 MHz

Azimuth



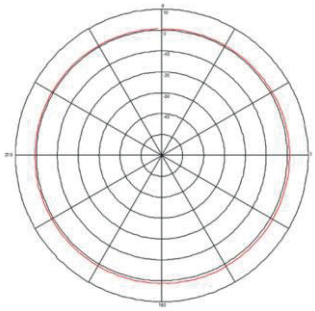
Elevation



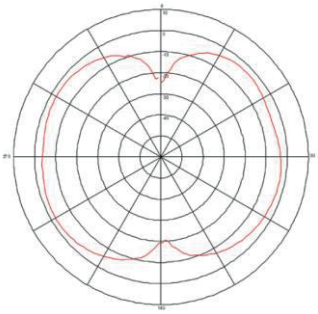
RADIATION PATTERNS

153 MHz

Azimuth

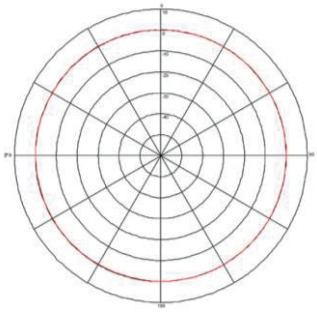


Elevation

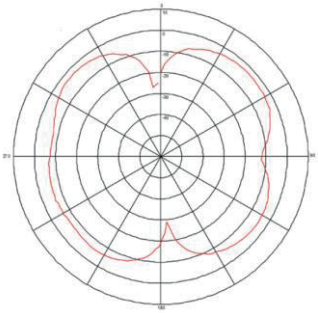


174 MHz

Azimuth



Elevation



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