



STANDARD B1443

Mobile Load Coil Antenna 144-174 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 injection molded around a solid brass insert, and gold plated push pin contacts make TE Connectivity the obvious choice for quality and long lasting value for demanding mobile radio communications.

FEATURES AND BENEFITS

- High performance mobile antenna
- Special UV-treated radome - resists sun damage
- Easy installation with optional NMO mounts
- 100% tested on a network analyzer

APPLICATIONS

- Public safety
- Transportation
- Utility
- Defence mobile

ELECTRICAL SPECIFICATION

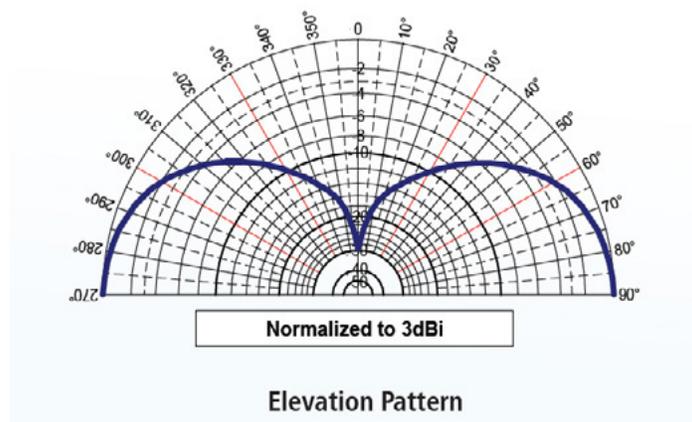
Model Name	B1443
Operating Frequency (MHz)	144-174
VSWR - Max	<2.0:1
Gain (dBi)	3.0
Nominal Impedance (Ohms)	50
Max Power - Ambient 25°C (W)	100
Polarization	Vertical
Half-Power Beamwidth - Elevation° x Azimuth°	70 x 360

MECHANICAL SPECIFICATIONS

Height	See chart
Diameter - mm (inches)	(1.45)
Weight - kg (lbs.)	(<0.5)
Cable Length and Type	None
Connector Type	NMO
Color	B1443: Black with chrome/BB1443: Black/BW1443: White
Mounting Information	NMO-mountable (sold separately)
Noise Suppressor	BlackHawk NS1535 1-35 volt, 15 amp (sold separately)

ENVIRONMENTAL SPECIFICATIONS

Rated Wind Velocity - km/hr (mph)	210 (125)
Rated Wind Velocity (w/ 0.5" radial ice) - km/hr (mph)	137 (85)
Lateral Thrust @ 125 mph wind velocity - kg (lbs.)	26 (57)
Wind Resistance - sq. ft.	0.02



B1443 CUTTING CHART

FREQUENCY	WHIP LENGTH
144	48-1/8"
146	47-1/4"
148	46-3/8"
150	45-1/2"
152	44-7/8"
154	43-3/4"
156	42-7/8"
158	42-1/8"
160	41-1/4"

B1443 CUTTING CHART

FREQUENCY	WHIP LENGTH
162	40-1/2"
164	39-1/2"
166	38-3/4"
168	38"
170	37-1/8"
172	36-3/8"
174	35-7/8"

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