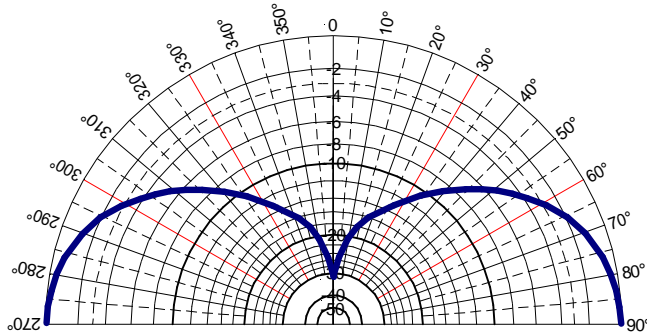


Mobile Loaded Coil Antennas for CELL & GSM (LMR)



Normalized to 5 dBi

Elevation Pattern (Y, Z or H-plane)

FEATURES

- 5/8 Wave over 5/8 Wave design for true 5dBi performance
- High performance mobile antenna operates on a No Ground plane (NGP) requirement
- Straight stainless steel rod
- Easy installation /w NMO mountable
- 100% tested on a network analyzer

APPLICATIONS

Ideal for CELL, GSM, and ISM high antenna gain mount on NGP requirement applications.

ELECTRICAL SPECIFICATIONS

VSWR:	< 2:1
Nominal Gain:	5 dBi
Maximum Power:	200 W
Nominal Impedance:	50Ω
Polarization:	Vertical
Pattern:	Omni-Directional
Half-Power Beamwidth:	60° x 360°
	(Elevation° x Azimuth°)
Coaxial Cable Length & Type:	None
Termination:	NMO Socket or, type N-female

MECHANICAL SPECIFICATIONS

Color:	Chrome or Black
Height:	See chart
Diameter:	1.44"
Weight:	<1 lb
Material:	ABS
Mounting Information:	NMO (PN: MB8, MAB8) (Sold Separately)
Noise Suppressor (optional):	BlackHawk NS1535 1-35 VOLT, 15Amp Noise Suppressor (Sold Separately)

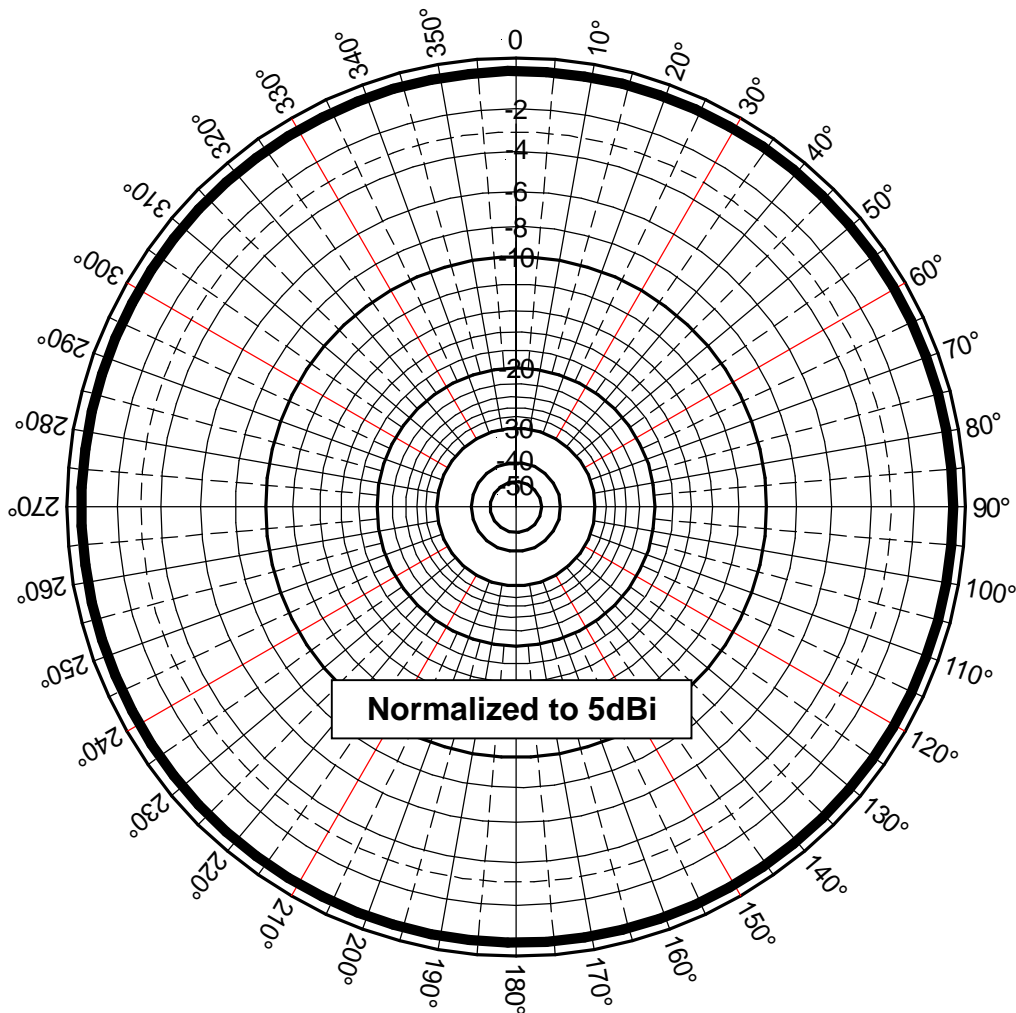


Model and Ordering Information:

Model#	Description	Overall Height	Fixed Tune
B(B)8065CN	806-866 MHz, Base Loaded 5/8Wave over Wave	18"	836 MHz
B(B)8965CN	896-970 MHz, Base Loaded 5/8 Wave over Wave	16"	933 MHz

Mobile Loaded Coil Antennas for CELL & GSM (LMR)

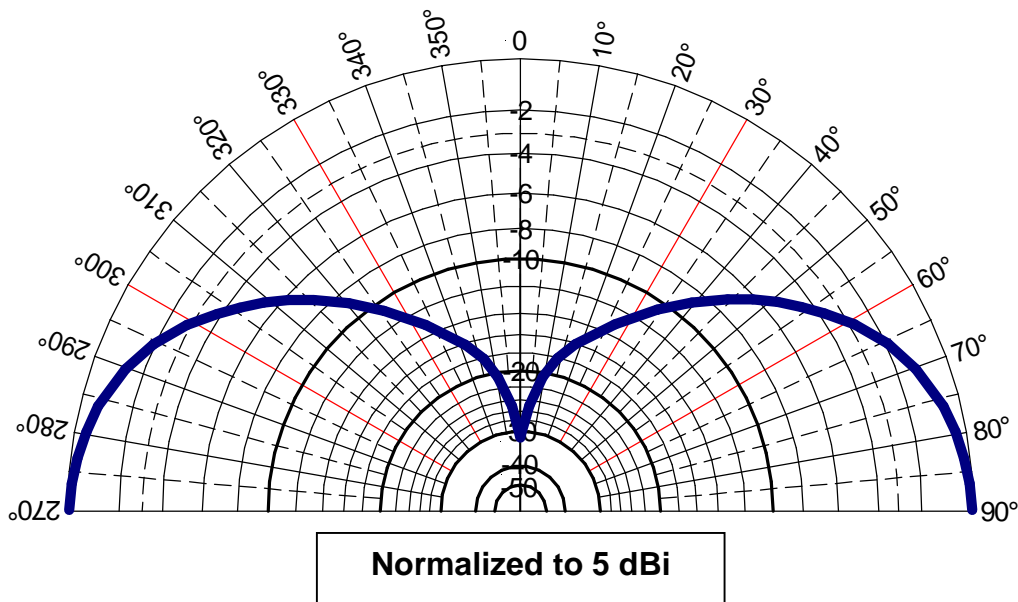
ANTENNA RADIATION PATTERN



Azimuthal Pattern (X, Y or E-Plane)

Mobile Loaded Coil Antennas for CELL & GSM (LMR)

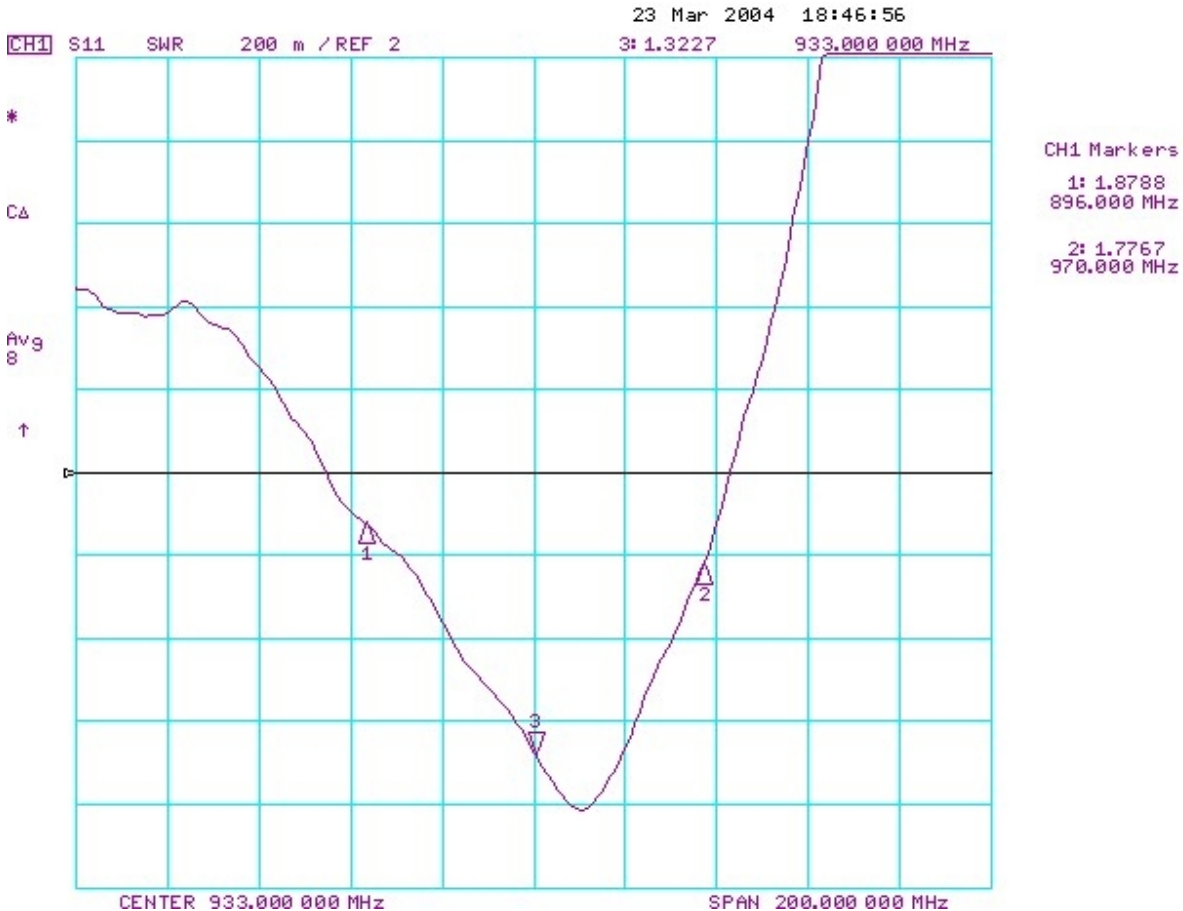
ANTENNA RADIATION PATTERN



Elevation Pattern (Y, Z or H-plane)

Mobile Loaded Coil Antennas for LMR, CELL & GSM

VSWR of B8965CN



Initial Setup:

- Format = VSWR, SPAN = 200 MHz, Center Frequency = 933 MHz, Scale/division = 0.200/div, Reference Position = 5, Reference Value = 2

B8965CNN Typical VSWR sweeps

Marker 1: 1.8788 to 1 @ 896 MHz

Marker 2: 1.7767 to 1 @ 970 MHz

Marker 3: 1.3227 to 1 @ 933 MHz

3/23/2004