

Elevated Feed Point Antennas



No Ground Plane Elevated Feed Point Antennas

The elevated feed point antennas are designed for those applications that lack a ground plane. They are ideal for mirror or trunk lid mounting applications or for vehicles with non-metallic surfaces where no ground plane is available.

Features

- Elevated feed point eliminates vehicle “shadow” effect
- Does not require a ground plane; excellent for non-metallic vehicles
- Stainless steel shock spring included on all models
- Mates with all 1-1/8”-18 thread mounts, including 3/4” mounts

Technical Data

Maximum Power: 125 watts
Polarization: Vertical
Nominal Impedance: 50 ohms
VSWR at Resonance: < 1.5:1
Radiator Material: .100”-.062” diameter stainless steel; bright or black finish
Spring: Stainless steel; bright or black finish
Phasing Coil Housing: Molded polymer jacket with copper, nickel and chrome plated brass bushing
Rod Ferrule: 5/16”-24 thread; bright or black chrome plated brass
Body: UV stable ABS

Antenna Electrical Specifications

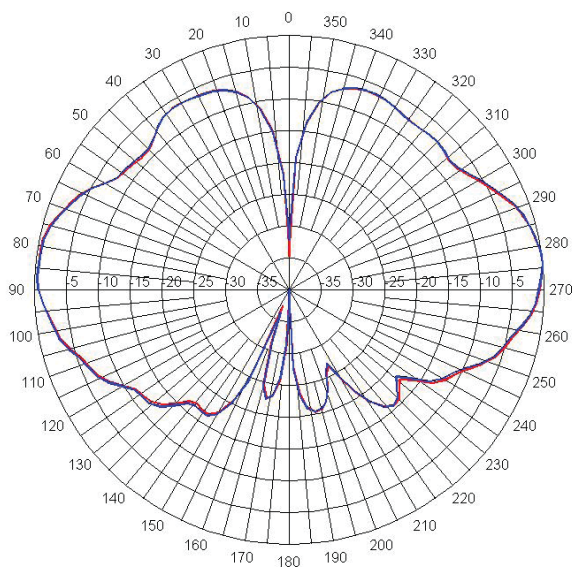
Model*	Frequency Range	Factory Tuned Frequency	Gain	Rod/Coil Type
(B)MUF7603	760-870 MHz	815 MHz	3 dB	Collinear/Closed
(B)MUF8073	806-866 MHz	815 MHz	3 dB	Collinear/Closed
(B)MUF8045	806-866 MHz	815 MHz	5 dB	Trilinear/Open
(B)MUF8043	825-896 MHz	835 MHz	3 dB	Collinear/Open
(B)MUF8455	825-896 MHz	835 MHz	5 dB	Trilinear/Closed
(B)MUF9115	896-940 MHz	898 MHz	5 dB	Trilinear/Closed

Mechanical Specifications

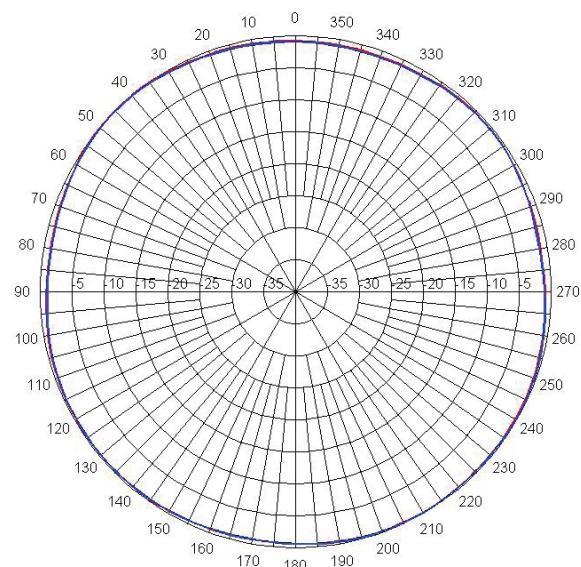
Model	Antenna Height at lowest frequency
(B)MUF7603	Approximately 38”
(B)MUF8073	Approximately 23”
(B)MUF8045	Approximately 33”
(B)MUF8043	Approximately 23”
(B)MUF8455	Approximately 33”
(B)MUF9115	Approximately 32”

*Prefix “B” indicates black. Spring included.

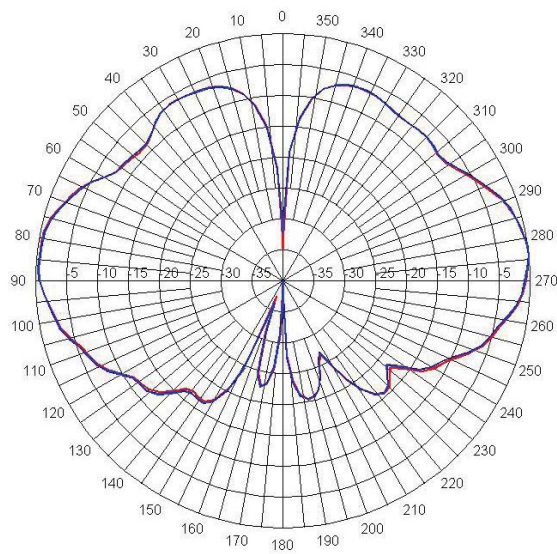
Radiation Patterns



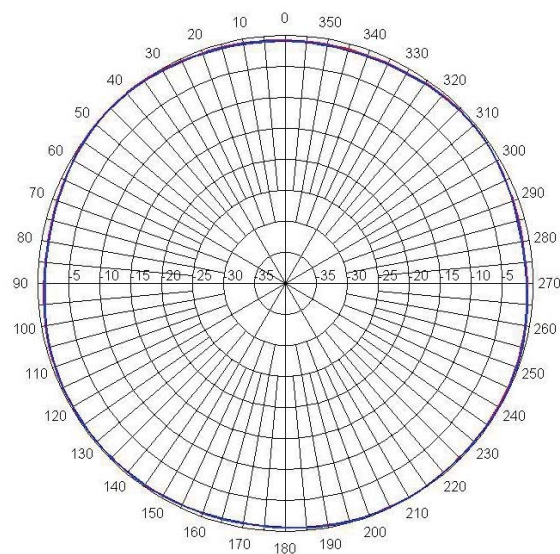
**BMUF7603 Elevation Cut
(at 815 MHz)**



**BMUF7603 Azimuth Cut
(at 815 MHz)**



BMUF8043 Elevation Cut



BMUF8043 Azimuth Cut