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APPLICATION NOTE MP1 Series Antenna Optimum Set Up

The MP1 series Super Antenna system is designed to operate as a portable, base, manpack, or mobile antenna. In its optimum portable or base configuration, the antenna is mounted vertically on a SuperMount or SuperPod tripod mount. When using the SuperMount, an insulated support at least 3ft high (1m) is recommended (avoid direct electrical connection to a metallic support). Radial Set wires are attached to the mount using the provided push-on connectors. If there isn't enough space to stretch out all the radial wires, they can be loosely zig-zagged or laid out in large loops on the surface or floor. The radial wires can be taped or cable tied to the support for strain relief; stress on the wires should be avoided. For best performance and calibration using the FG1 Frequency Guide SWR Ruler, the SuperSlider, and the whip above the slider, should be kept in the clear, at least 10 feet (3m) from other objects to the side and above. If other objects are near the antenna, or if the antenna is utilized indoors, it may affect the performance and calibration of the SWR Ruler. Usually, the proximity of nearby objects causes a change in resonance that requires the antenna SuperSlider to be set at a slightly higher MHz frequency on the FG1 than the desired frequency for best SWR. For best receive performance, the antenna should be located away from computers, TVs, lamps and other RF-noisy equipment. The drawing example shows the recommended configuration when the antenna system is set up outdoors.

Mount on elevated, insulated non-metallic support such as plastic pipe, table, fence, chair, post, or railing. (not included)

Coaxial cable to Radio RG-58 or RG-8x (not included)

Antenna whip above the SuperSlider: Keep in the clear all around, at least 10 feet (3m) away from buildings and objects above or toward the sides.

SuperMount or SuperPod Tripod Mount

Tape or cable tie radial wires for strain relief

Radial Set wires: droop down loosely from mount to lay upon surface or floor. May also be elevated or tied out to insulated objects, or resting upon vegetation.

Separate ends of wires at least 5 feet (1.5m).

