

PWR-WD-230
Broadband HF Dipole Antenna

Specifications

Frequency range:	2~30 MHz
Max. Power range:	150 W PEP
Impedance:	50 Ω
Length:	25 m
VSWR:	2:1 from 2-18 MHz 3:1 above 18 MHz

Notes for Using the Antenna

To use your **PWR-WD-230®** from Komunica® antenna correctly, please read these instructions thoroughly before use and keep this document on-hand for later reference.

1. The **PWR-WD-230®** broadband dipole antenna is designed to provide optimum performance over a wide frequency range, with an easy way to assemble.
2. Thanks to its Broadband, your dipole PWR-WD-230 with one single antenna, the equivalent of multiple interconnected antennas, it will cover the HF band from 2Mhz to 30MHz.
3. Refer to the drawings (1) (2) (3) to know the facilities "type" that we suggest. Remember that, for optimal performance, the antenna must be installed in a "horizontal" configuration and always in the highest possible location.
4. When planning your installation, bear in mind that, the maximum radiation and reception are perpendicular to the length of the antenna.
5. However, this radiation pattern is based on an ideal antenna in the free space and can be noticeably different in a real practical situation, either close to the ground or adjacent to other structures that may interfere. Keep in mind that some experimentation during assembly or a possible reorientation can often imply significant improvements in performance.
6. The proximity to the ground or nearby structures, power lines and telephony and large metal masses, can affect the impedance and performance of your antenna, so you could consider relocating it, until you achieve a good VSWR.

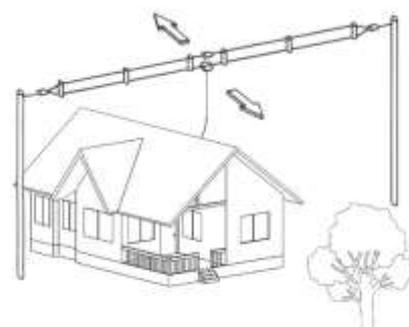
(1)



(2)



(3)



Performance Verification

Please check the VSWR of your antenna before connecting it to a transmitter. In case of any possible doubt about its operation, refrain from connecting it.

Please install a directional wattmeter between the antenna and the transmitter and apply a constant carrier, adjusting the maximum output power of the transmitter to 20 watts. If you get a high VSWR, relocation is recommended.

Troubleshooting

Please check all system for broken, shorted or twisted wires, ground leads or faulty connections in the feedline and connectors.

Then consider reconfiguring or reorienting the antenna relative to the ground or nearby structures.