

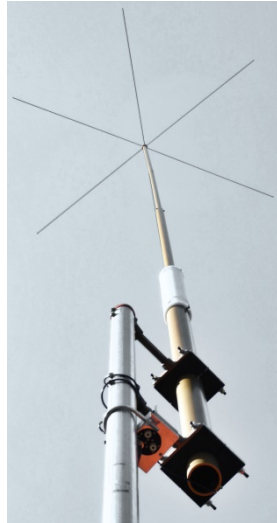


PRODUCT INFORMATION SHEET

Component High Performance Antenna

Part Number HPR.0990

Images



The heavy-duty HPR.0990 Antenna Coil can handle hundreds of watts efficiently.

Description

- Power: up to 300 watts - 50 ohms.
- Frequency range: 470 kHz to 1800 kHz.
- Mounting Format: Top of support structure [tower, mast or pole]. Lower 36" of antenna base clamps in insulator mounts which can be attached to a vertical support with a round or flat surface.
- Type: center-loaded, bottom-fed vertical, whip-type antenna with capacitive hat and adjustable vertical tuning section. Omni directional. Anodized aluminum finish. Guying ring.
- Radiation efficiency: 24 mV/m/km; Ref 1KW: (530 kHz) to 110 mV/m/km (1700 kHz). 30' tip height above ground on a 20' metal support pole or tower with 50' 32-element groundplane.
- Bandwidth varies with frequency (3:1 SWR): 530 kHz: 6 kHz. 1700 kHz: greater than 10 kHz.
- Temperature endurance: -40°C to 85°C.
- Wind endurance: greater than 100 MPH, unguyed. Greater than 140 MPH with the addition of guy lines (nonconductive only).
- Weight of the complete antenna varies with frequency. 30.5 lbs nominal. Mounts with insulators (2): 5.5 lbs total.
- Overall assembly: 5 sections plus capacitive hat. Length varies with frequency and tip extension. Typical: 32'. Includes assembly hardware. Outside diameter of vertical sections taper from 2.5" (lower) to 1.0" (upper). Capacitive hat spoke

*All products described are subject to availability based on manufacturing capacity and shipping dates. While every effort has been made to ensure the accuracy of all information, ISS does not accept liability for any errors or omissions and reserves the right to change information as needed.*

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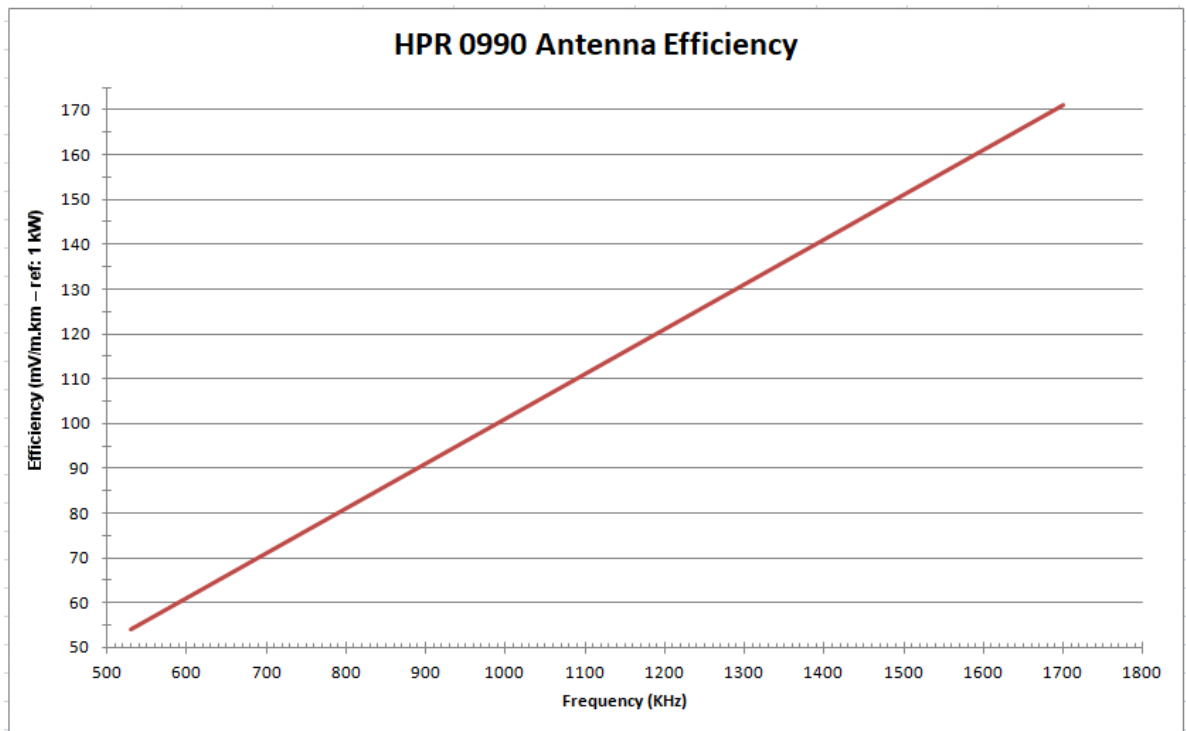
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length varies with frequency.

- Recommended separation from buildings and structures: 100' or equal to the height of the structure, whichever is greater.
- Required options: matching transformer, stand-off mounts with insulators, lightning arrester. Options: coaxial cable with connectors, guying kit, support poles and masts, roof stands, fully assembled groundplanes, uni rods.
- RF exposure separation: 1 meter minimum recommended for both occupational and controlled environments.



Accessory: M990 Insulators with Stand-Off Mounts



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