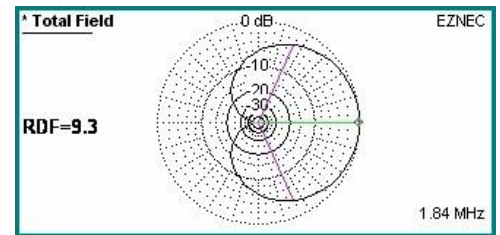




HIGH PERFORMANCE

HF RECEIVING SYSTEMS & COMPONENTS

Hi-Z 3 Triangular Array System



This system was designed to utilize 3 shortened antennas with Hi-Z amplifiers as a directional receiving antenna. This new and unique circuit configuration uses Tri-Phase combining for extra accurate phasing and amplitude stability. This system uses only one delay line and provides a form of time delay phasing that provides more than one band coverage with the Hi-Z elements. This system was designed to operate over the 160,80, and 40 meter amateur bands but can be used from below the broadcast band to over 30MHz. A typical 50 foot square layout of 20 foot tall elements and Hi-Z amplifiers can provide 9.3 dB of Relative Directivity Factor and 30 dB of front to back ratio on 160 meters. Of course the best performance depends on the accuracy of the antenna layout, the accuracy of the connecting and phasing cables, and any interfering nearby structures. For more info see, http://www.hizantennas.com/controller_3_elements.htm .

Hi-Z Antennas has 10+ years of continuous engineering and design experience in the pursuit of perfection. This is unparalleled expertise. Innovation by design.

Specifications

- RDF Up to 9.3 dB.
- Covers 160, 80, 40 meters
- 6 selectable directions
- Power usage +13.8 VDC at 250 ma.
- Uses a 6 conductor control cable

Benefits

- Best performing 3 element RX phased vertical array in the smallest foot print (50 feet / side)
- Scalable – can be configured for best RDF or best F/B ratio by the customer

- High RF field survivability – Running QRO in close proximity to the Hi-Z 3 is no problem (no sequencing)
- Excellent IMD properties, performs in chaotic high RF areas under contesting conditions

For further information please contact us at the following:

All products now sold through **DX Engineering**

Hi-Z Antenna Website url - <http://www.hizantennas.com/> E-mail Address – contact@hizantennas.com

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