



RH62212-150W

- The Electrical Antenna design consists of an active tuner for 2 horizontal dipoles in 90 deg deviation.
- Built-in High Efficiency Automatic Tuner
- Multiple Antenna variations for implementing exact and required radiation patterns
- Installation height 3-50 ft depended on Operational

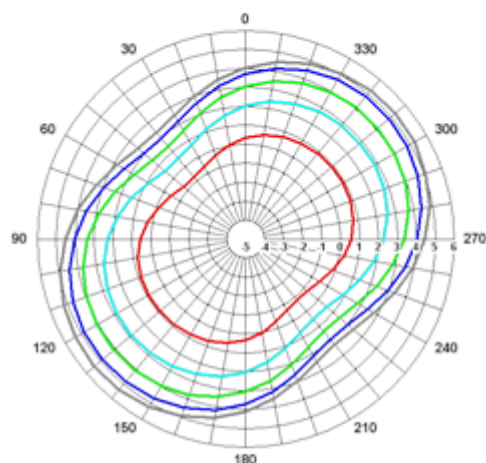
Requirements and the required Elevation and Azimuth angles

- The RH62211 is the best solution for Naval applications and Land based applications with limited installation space



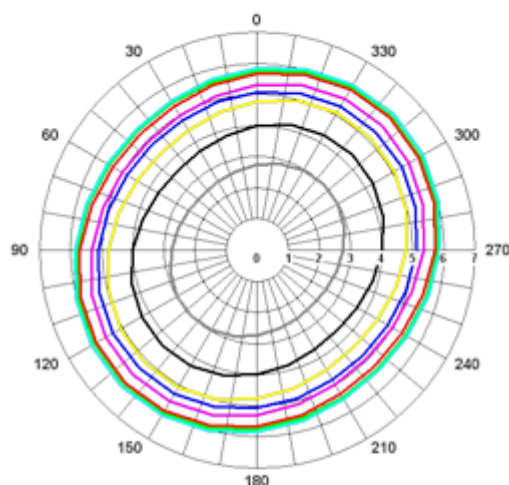
RH62211

Medium Range



— Total Gain, Theta=40, Freq=10 MHz,
 — Total Gain, Theta=40, Freq=11 MHz,
 — Total Gain, Theta=40, Freq=12 MHz,
 — Total Gain, Theta=40, Freq=13 MHz,
 — Total Gain, Theta=40, Freq=14 MHz.

Short Range NVIS



— Total Gain, Theta=20, Freq=2 MHz,
 — Total Gain, Theta=20, Freq=3 MHz,
 — Total Gain, Theta=20, Freq=4 MHz,
 — Total Gain, Theta=20, Freq=5 MHz,
 — Total Gain, Theta=20, Freq=6 MHz,
 — Total Gain, Theta=20, Freq=7 MHz,
 — Total Gain, Theta=20, Freq=8 MHz,
 — Total Gain, Theta=20, Freq=9 MHz.

RH62211_2

Technical specifications

Frequency Band:	1.6 — 30 MHz
Input Power:	125 W PEP and AVG
Tuned Antenna Input Impedance:	50 Ohm with VSWR \leq 1.5
Azimuth Radiation Pattern:	Omnidirectional \pm 1 dB
Tuning Time from Memory:	< 300ms
Tuning RF Power:	7 w
Power supply:	12VDC, current less than 1.2A (24 VDC for HTDA-7125)
Tuner Dimensions:	19.09"x17.13"x9.84" (485 x 435x250 mm)
Antenna Height:	3 — 50 ft. (0.9 - 15 m)
Radiating Element Dimensions:	27 ft (8.2 m)
Tuner weight:	33 lbs (15 kgs)
Radiating Element weight:	3.3 lbs. (1.5 kgs)
Operation Temperature Range:	-22 to 149°F (-30 to 65° C)
Wind without ice:	100 mi/h (160 km/h)