

Complied with EN 300 676
AS/NZS 4583:2010
FCC Part 15 ; Part 87

RHP-535



Features

- Standard GA headset jacks on the top
- 100 scannable memory channels
- Large LCD & keypad
- 10 NOAA weather channels
- NAV CDI
- NAV VOR
- Side tone
- 8.33K /25K Channel Spacing



**COM
VOR CDI**

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Specifications

| General | |
|--|--|
| characteristic | |
| Frequency Range | TX 118.000MHz to 136.975MHz(143.975 optional) RX 108.000MHz to 136.975MHz Weather Channels FM 161.650~163.275MHz (USA Only) |
| Channel Spacing | 25KHz / 8.33KHz |
| Type of Emission | 6K00A3E(AM), 16K0G3E(FM) |
| D.C. Supply Voltage | Alkaline Battery 9.0V, Li-ion 7.4V, USB Type C 5.0V |
| Frequency Stability (-20 to +55°C) | ±1.0ppm |
| Antenna Impedance | 50 Ω |
| Speaker Impedance | 8 Ω |
| External Microphone Impedance | 150 Ω |
| Temperature Range | -20 ~ +55 °C |
| Relative Humidity | 70~90% |
| Average Battery Duty Life @ 5 – 5 – 90 Duty Cycle (With BP-33L 3300mAh) | Without Power Save ≥ 22 hr |
| Transmitter | |
| RF Output Power | 1.5W (CW),5.0W (PEP)Typical |
| Current Drain | ≤ 900mA |
| Modulation Type | Low Level Modulation |
| Modulation Limiting | 70~100 % |
| Modulation Depth | 85 ~ 95 % |
| Conducted Spurious Emissions | <1GHz ≤ -46dBm, >1GHz ≤ -40dBm |
| Harmonics | <1GHz ≤ -36dBm, >1GHz ≤ -30dBm |
| Audio Harmonic Distortion | ≤ 10 % (@ 85 % ± 3dB Modulation) |
| Hum & Noise Ratio | ≥ 40dB @ 30% Modulation |
| Adjacent Channel Power | ≥ 60dB@25KHz, ≥ 50dB@8.33KHz |
| Receiver | |
| Configuration | Double Conversion Super heterodyne 1st IF (46.35MHz),2nd IF (450KHz) |
| Sensitivity (30% Modulation) | AM ≤ 0.55uV @ 6dB S/N 1KHz ≤ 0.65uV @ 12dB Sinad With CCITT FM ≤ 0.5uV (@ 12dB Sinad) |
| Squelch Sensitivity | AM ≤ 0.25uV FM ≤ 0.3uV |
| Adjacent Channel Rejection | ≥ 60dB |
| Effective Acceptance Bandwidth | 6dB ≥ ±8.5KHz(25KHz), 6dB ≥ ±2.8KHz(8.33KHz) |
| Intermodulation Response Rejection | ≥ 64dB |
| Cross Modulation Rejection | ≥ 70dB |
| Blocking | ≥ 70dB |
| Receiver Spurious Emission | ≤ -57dBm from 9KHz to 1GHz ≤ -47dBm from 1GHz to 4GHz |
| Hum & Noise Ratio | ≥ 40dB @30% Modulation |
| Spurious Response Rejection | ≥ 70dB |
| Max Audio Output @10% Distortion(8Ω) | ≥ 0.8W ≤ 300mA(Int), ≥ 0.35W ≤ 250mA(Ext) |
| Audio Distortion | ≤ 5 % |
| Standby Current Drain | 85 mA (without power save) |
| Mechanical Specifications | |
| Dimensions | 62mm(W) * 176mm(H) * 43.5mm(D) |
| Weight(approx.) | 508g (With Alkaline Battery) |

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