# SPECIFICATIONS

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|---|---|---|---|
| Frequency coverage | VHF Low | 68-88 MHz | 5 kHz steps |
| | VHF High | 137-174 MHz | 5 kHz steps |
| | UHF Low | 380-512 MHz | 12.5 kHz steps |
| | UHF High | 806-960 MHz | 12.5 kHz steps |

| | | Unit | Nominal | Limit |
|---|---|---|---|---|
| Sensitivity | VHF Low | µV | 1.0 | 2.0 |
| | VHF High | µV | 1.0 | 3.0 |
| | UHF Low | µV | 1.0 | 4.0 |
| | UHF High | µV | 2.0 | 4.0 |
| Squelch sensitivity | at threshold | µV | 1.0 | 4.0 |
| | at tight | dB | 25 | 15 |
| Selectivity | -6 dB | kHz | ±10 | ±14 |
| | -50 dB | kHz | ±18 | ±25 |
| Spurious rejection | VHF Low at 78 MHz | dB | 50 | 30 |
| (except primary image) | VHF High at 154 MHz | dB | 50 | 30 |
| | UHF Low and UHF High | Not specified | | |
| IF rejection | 10.7 MHz at 154 MHz | dB | 70 | 60 |
| Acceptable radio frequency displacement (EIA RS-204D) | | kHz | ±6 | ±3 |
| Signal to noise ratio | VHF Low at 78 MHz | dB | 45 | 30 |
| | VHF High at 154 MHz | dB | 45 | 30 |
| | UHF Low at 450 MHz | dB | 35 | 25 |
| | UHF High at 860 MHz | dB | 35 | 25 |
| Residual noise | volume control: minimum, squelched | mV | 3 | 5 |
| Scanning Speed | | Channels/sec. | 25 | 22-28 |
| Scan delay time | | sec. | 2 | 1-3 |
| Audio output power | 10% THD | mW | 200 | 150 |

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|---|---|
| Channel of operation | Any 50 channels in any band combination |
| Channel, frequency, and mode displays | Liquid crystal display |
| Receiving system | Direct key entry digital-controlled synthesizer, superheterodyne, 1st IF: 10.7 MHz, 2nd IF: 455 kHz |
| Power source | 9V DC negative ground only<br>6AA batteries or a suitable adapter |
| Jacks | Antenna, earphone, external power and charge |
| Dimensions | 161 x 63 x 43 mm (HWD) |
| Weight | Approx. 240 g without antenna |

**Note:** Nominal specs represent the design specs. All units should be able to approximate these—some will excee and some may drop slightly below these specs. Limit specs represent the absolute worst condition that still migl be considered acceptable; in no case should a unit fail to meet limit specs.