

## Specifications

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Frequency Range                 | V(150-174Mhz)                        |
| Channel Capacity<br>(simplex)   | 8                                    |
| Channel Spacing                 | 25KHz /12.5KHz                       |
| Antenna Impedance               | 50Ω                                  |
| Microphone Impedance            | 2KΩ                                  |
| Operating Voltage               | 7.2V DC                              |
| Frequency Stability             | $\pm 5.0 \times 10^{-6}$             |
| Transmitter                     |                                      |
| Carrier Frequency Error         | $\pm 5 \times 10^{-6}$               |
| Output Power                    | 4.0W                                 |
| Modulation Sensitivity          | 18±5mV                               |
| Modulation Distorsion           | ≤5%                                  |
| Modulation Limit                | ≤5KHz / 2.5KHz                       |
| Bandwidth                       | ≤16 KHz / 8.5 KHz                    |
| S/N                             | ≥40dB(W)/35dB(N)                     |
| Audio Response                  | From 6 dB/oct. Pre-Emphasis ±3dB     |
| Conducted Spurious<br>Emission  | ≤-25dBm                              |
| Adjacent Channel<br>Power       | ≤-70 d B(w) -≤-60 d B(n)             |
| Receiver                        |                                      |
| Reference Sensitivity           | ≤ 0.28μV / 0.35μV                    |
| Unsquench Sensitivity           | ≤0.4μV                               |
| Audio Power                     | 500mW (4Ω)                           |
| Audio Distorsion                | ≤5%                                  |
| Modulation Acceptance           | ≥   ±7 KHz   /   ±3.5 KHz            |
| Audio Response                  | From 6 dB/oct. De-Emphasis +2dB -8dB |
| Co-Channel Rejection            | ≥-8 d B                              |
| Blocking                        | ≥85d B                               |
| Adjacent Channel<br>Selectivity | ≥60 d B / 50 d B                     |
| Spurious Response<br>Rejection  | ≥60 d B                              |
| Intermodulation<br>Rejection    | ≥50d B (w/n)                         |