PRODUCT DESCRIPTION

The RT-5000 AM/FM Multi-band Transceiver can take the place of six Transceivers since it can cover the 30-50, 50-88, 118-136, 136-174, 220-400, 400-512, and 800-960 MHz frequency bands with one Transceiver. In addition, a second receiver called a “guard” can be added for monitoring an additional frequency. This guard receiver can be a single channel crystal-controlled or a fully 29.7-960 MHz synthesized version. The RT-5000 is controlled by the C-5000 control head via a Wulfsberg proprietary serial tuning bus that reduces wiring complexity and installation costs. Wulfsberg supplies several antenna choices that can support the complete range of frequencies of the RT-5000 in ONE antenna. Thus, One Transceiver, One Control Head, One Antenna solution to your communication requirements for Public Service communications.

Features
- 29.7-960 MHz
- 10 Watts FM/15 Watts AM (Nominal)
- TX Power
- 1.25 kHz Tuning
- 12.5/25/35/70 kHz IF Bandwidths
- DF Interface
- CTCSS/DCS
- FAA PMA Certified

Options
- Synthesized Guard (29.7-960 MHz)
- 30-50 MHz Single Channel Guard
- 137-174 MHz Single Channel Guard
- 406-512 MHz Single Channel Guard
Tactical Communication Products: RT-5000 Base Model

Specifications
Voltage Requirements: Voltage: 27.5 Vdc +/-20%
Current Requirements: Receive: 2.5 Amp, Transmit: 10.0 Amp Max
Weight: 15.8 to 19.0 lbs. (7.17 to 8.62 kg)
Temperature: -22°F to +140°F (-30°C to +60°C)
Frequency Range: 29.7-400 MHz (AM); 29.7-960 MHz (FM)
Channeling: 12.5/20/25/30/50 kHz
Tunability: 1.25 kHz steps

Available Configurations

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>400-015525-0101</td>
<td>Standard Transceiver w/o Guard</td>
</tr>
<tr>
<td>400-015525-0201</td>
<td>Transceiver, 30-50 MHz Guard</td>
</tr>
<tr>
<td>400-015525-0301</td>
<td>Transceiver, 138-174 MHz Guard</td>
</tr>
<tr>
<td>400-015525-0401</td>
<td>Transceiver, 406-512 MHz Guard</td>
</tr>
<tr>
<td>400-015525-0501</td>
<td>Transceiver w/Synthesized Guard</td>
</tr>
</tbody>
</table>

Figure 25. RT-5000 Base Model Outline Drawing
Portions of Dwg No. 154-015525