TRANSMITTER SPECIFICATIONS

<table>
<thead>
<tr>
<th>4FSK Digital Modulation</th>
<th>12.5 kHz Data: 7K60F1D and 7K60FXD</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.5 kHz Voice: 7K60F1E and 7K60FXE</td>
<td></td>
</tr>
<tr>
<td>Combination of 12.5 kHz Voice and Data: 7K60F1W</td>
<td></td>
</tr>
<tr>
<td>Digital Protocol</td>
<td>ETSI TS 102 361-1, -2, -3</td>
</tr>
<tr>
<td>Conducted/Radiated Emissions (TIA603D)</td>
<td>-36 dBm &lt; 1GHz, -30 dBm &gt; 1GHz</td>
</tr>
<tr>
<td>Adjacent Channel Power</td>
<td>60dB (12.5 kHz channel), 70dB (25 kHz channel)</td>
</tr>
<tr>
<td>Frequency Stability</td>
<td>± 1.5 ppm</td>
</tr>
</tbody>
</table>

ADDITIONAL FEATURES

- Transmit Interrupt
- Unified Call List
- Enhanced Privacy
- Fixed Privacy Key Decryption
- Ignore Clear Signal
- Bluetooth Audio
- Emergency Search Tone
- Covert Mode
- Intelligent Audio
- Mute Mode
- Noise Suppressor
- Notification List
- Radio Service Menu
- Quick Text Messaging
- User-Selectable Audio Profiles

RECEIVER SPECIFICATIONS

| Analog Sensitivity (12dB SINAD) | 0.3 uV, 0.22uV (typical) |
| Digital Sensitivity (5% BER) | 0.25 uV, 0.19uV (typical) |
| Intermodulation (TIA603D) | 70 dB |
| Adjacent Channel Selectivity, (TIA603A) -1-tone | 60 dB (12.5 kHz channel), 70 dB (25 kHz channel) |
| Adjacent Channel Selectivity, (TIA603D) -2-tone | 45 dB (12.5 kHz channel), 70 dB (25 kHz channel) |
| Spurious Rejection (TIA603D) | 70 dB |

SPECIFICATION SHEET | MOTOTRBO™ SL3500e
**AUDIO SPECIFICATIONS**

- Digital Vocoder Type: AMBE+2™
- Audio Response: TIA603D
- Rated Audio: 0.5 W
- Audio Distortion at Rated Audio: 5% (3% typical)
- Hum and Noise: -40 dB (12.5 kHz channel), -45 dB (25 kHz channel)
- Conducted Spurious Emissions (TIA603D): -57 dBm

**BLUETOOTH SPECIFICATIONS**

- Version: 4
- Range: Class 2, 33 ft (10 m)
- Supported Profiles: Bluetooth Headset Profile (HSP), Serial Port Profile (SPP), Motorola fast push-to-talk.
- Simultaneous Connections: 1 x audio accessory and 1 x data device
- Permanent Discoverable Mode: Optional

**WIFI SPECIFICATIONS**

- Standards Supported: IEEE 802.11b, 802.11g, 802.11n
- Security Protocol Supported: WPA, WPA-2, WEP
- Maximum Number of SSIDs: 128

**ENVIRONMENTAL SPECIFICATIONS**

- Operating Temperature: -22 F to 140 F (-30 C to +60 C)
- Storage Temperature: -40 F to 185 F (-40 C to +85 C)
- Electrostatic Discharge: IEC 61000-4-2 Level 3
- Dust and Water Intrusion: IEC 60529 - IP54
- Packaging Test: MIL-STD 810D and E

**MILITARY STANDARDS**

<table>
<thead>
<tr>
<th>Applicable MIL-STD</th>
<th>810C</th>
<th>810D</th>
<th>810E</th>
<th>810F</th>
<th>810G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Pressure</td>
<td>500.1</td>
<td>500.2</td>
<td>500.3</td>
<td>500.4</td>
<td>500.5</td>
</tr>
<tr>
<td>High Temperature</td>
<td>501.1</td>
<td>501.2</td>
<td>501.3</td>
<td>501.4</td>
<td>501.5</td>
</tr>
<tr>
<td>Low Temperature</td>
<td>502.1</td>
<td>502.2</td>
<td>502.3</td>
<td>502.4</td>
<td>502.5</td>
</tr>
<tr>
<td>Temperature Shock</td>
<td>503.1</td>
<td>503.2</td>
<td>503.3</td>
<td>503.4</td>
<td>503.5</td>
</tr>
<tr>
<td>Solar Radiation</td>
<td>505.1</td>
<td>505.2</td>
<td>505.3</td>
<td>505.4</td>
<td>505.5</td>
</tr>
<tr>
<td>Rain</td>
<td>506.1</td>
<td>506.2</td>
<td>506.3</td>
<td>506.4</td>
<td>506.5</td>
</tr>
<tr>
<td>Humidity</td>
<td>507.1</td>
<td>507.2</td>
<td>507.3</td>
<td>507.4</td>
<td>507.5</td>
</tr>
<tr>
<td>Salt fog</td>
<td>509.1</td>
<td>509.2</td>
<td>509.3</td>
<td>509.4</td>
<td>509.5</td>
</tr>
<tr>
<td>Dust</td>
<td>510.1</td>
<td>510.2</td>
<td>510.3</td>
<td>510.4</td>
<td>510.5</td>
</tr>
<tr>
<td>Sand</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Vibration</td>
<td>514.2</td>
<td>514.3</td>
<td>514.4</td>
<td>514.5</td>
<td>514.6</td>
</tr>
<tr>
<td>Shock</td>
<td>516.2</td>
<td>516.3</td>
<td>516.4</td>
<td>516.5</td>
<td>516.6</td>
</tr>
</tbody>
</table>

1: Radio frequency > 470MH, only 2W for Digital.
2: Typical battery life, 5/5/90 profile at maximum transmitter power with Bluetooth and Wi-Fi disabled. Actual observed runtimes may vary.
3: Operating temperature specification for a Li-ion battery is -10 C to +60 C. Specifications subject to change without notice.

All specifications shown are typical values.

For more information, please visit us on the web at: www.motorolasolutions.com/MOTOTRBO

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