The Iridium® 9602 transceiver leverages Iridium's low-latency SBD service and provides truly global coverage. The 9602 is designed to be integrated into wireless data applications with other host system's hardware and software to produce a complete telemetry solution. The 9602 meets the regulatory requirements for FCC, Canada and CE assuming an antenna with a gain of ~3 dBi and adequate shielding is used.

**TECHNICAL SPECIFICATIONS**

**PHYSICAL**
- Dimensions: 1.61” x 1.77” x 0.51”
- Weight: 30 g

**RADIO FREQUENCIES**
- Operating Frequency: 1616 to 1626.5 MHz
- Duplexing Method: Time division duplex
- Input/Output Impedance: 50 Ω
- Multiplexing Method: TDMA/FDMA

**ENVIROMENTAL**
- Operating Temperature: -40°C to +85°C
- Operating Humidity: ≤ 75% RH
- Storage Temperature: -40°C to +85°C
- Storage Humidity: ≤ 93% RH

**DATA ID/O**
- MO Message Size: 340 bytes/message
- MT Message Size: 270 bytes/message

**ELECTRICAL**
- Input Voltage: 5.0 V +/- .5 V DC
- Input Ripple: < 40 mVpp
- Idle Current Avg.: 35 mA
- Idle Current Peak: 170 mA
- Transmit Current Avg.: 140 mA
- Transmit Current Peak: 1.3 A
- Receive Current Avg.: 40 mA
- Receive Current Peak: 170 mA
- SBD Message Transfer Avg. Current: 150 mA
- SBD Message Transfer Avg. Power: < 0.8 W

**TELEMETRY**
9602