

# 1 Product Overview

## 1.1 Key Features

The Iridium 9523 is a voice and data transceiver module for the Iridium global satellite network. It is designed to be integrated with field application (FA) hardware and software to produce a solution designed for a specific application or vertical market. These solutions drive a wide range of applications in industries such as Oil and Gas, Rail, Maritime, Aeronautical, Utilities and Government/Military.

The 9602 is designed to meet the regulatory requirements for approval for FCC, Canada, and CE assuming an antenna with a gain of ~3 dBi and adequate shielding.

The Iridium 9523 supports all Iridium's voice and data services. Applications can be built to use one or multiple services using the voice and data interfaces. The product provides the core transceiver module. All other functions and hardware such as SIM card reader, keypad, display, power supply antenna etc. must be provided by the Product Developer. The Iridium 9523 consists of the following:

- Iridium radio transceiver with 8 watt transmitter and dual receivers
- Call Processor function that implements the Iridium L-Band AIS protocol
- Iridium speech Vocoder
- Coaxial RF connector for the antenna
- 40-way inter-PCB connector with the following interfaces:
  - Digital audio interfaces
  - DPL serial asynchronous control port
  - Serial asynchronous interface for SIM
  - Data/Fax port – serial asynchronous data plus 6 control signals
  - GPIO control signals
  - Power

## 1.2 Iridium 9523 Packaging and Regulatory Certification

The Iridium 9523 is a regulatory approved daughter module transceiver that can be fitted within an enclosed host system. With appropriate external connections, the host system can be designed to meet full transceiver regulatory tests and sold as a Regulatory Certified product that meets CE, FCC and IC requirements.

The Iridium 9523 is tested to the regulatory and technical certifications shown in Table 1.

Table 1: Regulatory and Technical Certifications

Regulatory Approvals	Radio Tests	EMC Tests	Electrical / Mechanical / Operational Safety Tests
CE	ETSI EN 301 441 V1.1.1 (2000-05)	ETSI EN 301 489-20 V1.2.1(2002-11) ETSI EN 301 489-1 V1.8.1(2008-04) ETSI EN 301 489-20 V1.2.1(2002-11)	EN60950-1:2006 Part 1

# Iridium Core 9523 Developer Guide

**Robert R. Redfield**

## **Iridium Core 9523 Developer Guide:**

## Embracing the Tune of Expression: An Emotional Symphony within **Iridium Core 9523 Developer Guide**

In a world taken by displays and the ceaseless chatter of instantaneous connection, the melodic splendor and mental symphony created by the prepared term frequently disappear into the backdrop, eclipsed by the relentless noise and distractions that permeate our lives. However, situated within the pages of **Iridium Core 9523 Developer Guide** a marvelous fictional prize filled with raw thoughts, lies an immersive symphony waiting to be embraced. Constructed by a masterful musician of language, that captivating masterpiece conducts readers on a psychological journey, well unraveling the hidden tunes and profound influence resonating within each carefully crafted phrase. Within the depths of this emotional review, we shall investigate the book's central harmonies, analyze its enthralling writing model, and surrender ourselves to the profound resonance that echoes in the depths of readers' souls.

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web the far side of the moon is the lunar hemisphere that always faces away from earth opposite to the near side because of synchronous rotation in the moon s orbit

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