

**MOTOROLA BLUETOOTH MODULE TCU1P03\_m1202d USER MANUAL**  
**[Models EVUVRB41U3 and EVGRB41E3]**

## **1. GENERAL:**

The Bluetooth Module TCU1P03\_m1202d facilitates a wireless Bluetooth interface between a wireless handset and other Bluetooth-enabled devices. The Bluetooth Module TCU1P03\_m1202d is assembled internally to a Motorola Telematics Control Unit, which is a finished product supplied to the automotive market. The Bluetooth Module TCU1P03\_m1202d should be considered a module.

## **2. ANTENNA AND MODULE INSTALLATION:**

The module utilizes an external antenna through a pc board mounted connector that is unique to this application. The external antenna used in this application is a BMW supplied antenna, BMW part number 6 928 461. The unit is designed for installation within the Telematics Control Unit and located in an automobile, usually in the trunk area. The device is mounted within a metal housing. Due to the low power at which the unit transmits (0.0014 W max.), placement from an SAR perspective is not critical.

No end-user installation is involved of the Bluetooth module and is only performed by Motorola or approved contractor. Any unauthorized changes or modifications not expressly approved by Motorola could void the user's authority to operate this equipment.

## **3. I/O CONNECTION:**

A board mounted 48-pin female connector is utilized to provide power and vehicle bus communications to the module. This connector will only mate with a corresponding connector in the Telematics Control Unit..

## **4. SPECIFICATIONS:**

- Frequency range: 2402 MHz – 2480 MHz
- Operating current: 1.5A nominal
- Operating voltage: 13.2V nominal
- Operating temp. range: -30°C to +70°C
- Storage temp. range: -40°C to +85°C
- Output power: 0.0014 W max

## **5. Other**

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.