



On-Ramp Wireless, Inc
10920 Via Frontera, Suite 200
San Diego, CA 92127, USA
+1 858 592 6008 : phone
+1 858 592 6009 : fax
info@onrampwireless.com
www.onrampwireless.com

June 4, 2013

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Request for Single Modular Approval

On-Ramp Wireless, Inc.
FCC ID: XTE-TRN-2013
FCC Part 15 Certification

Dear Application Examiner,

On-Ramp Wireless, Inc. module FCC ID: XTE-TRN-2013 is seeking FCC authorization as a Single Modular transmitter. The requirements of the FCC Part 15.212 are met for all requirements listed below with the exceptions indicated.

1. The modular transmitter must have its own RF shielding

The radio portion of this module has its own RF shielding. Please see the photos provided with the application.

2. The modular transmitter must have buffered modulation/data inputs

The module has a memory management unit inside and buffers the data inputs from UART.

3. The modular transmitter must have its own power supply regulation

The module contains its own voltage regulation. In case of changes in the supply voltage VCC (for example caused by temperature changes or other effects), the internal voltage will be stabilized.

4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c

The TRN-2013 has been tested to operate with a pair of integral (permanently attached) chip antennas that have a peak gain of 3 dBi or less and have Omni-directional pattern. The antennas are not serviceable by the operators.

5. The modular transmitter must be tested in a stand-alone configuration

The module was tested in a stand-alone configuration and was fixed on a development board. Please see the test report provided with this application.

6. The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.

Please see the label provided with this application. That label will be affixed to all modules.


7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.

The module is compliant with all applicable FCC rules. Detailed instructions are provided in the product document entitled "014-0057-00_B_TRN-2013_Integration_Specification_(Kite).pdf"

8. The modular transmitter must comply with any applicable RF exposure requirements.

The device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This module is approved for use in products operating as a fixed or mobile transmitting device.

Kind Regards,

A handwritten signature in black ink that reads "Robert W. Boesel". The signature is written in a cursive style with a large, stylized 'R' and 'B'.

Robert Boesel

VP Engineering, On-Ramp Wireless, Inc.

10920 Via Frontera, Suite 200, San Diego, CA 92127

Phone: 858-312-8361, Fax: 858-592-6009

rob.boesel@onrampwireless.com<mailto:jason.wilson@onrampwireless.com>