

# Modular Approval Request - FCC

RE: Request for modular approval

Model: NODE103

FCC ID: XTE-NODE103

To whom it may concern,

We formerly request modular approval on the above reference device pursuant to the requirements of FCC publication 996369 D01 for modular approval of Part 15 devices.

Modular approval requirement	Yes	No	Comment*
(a) The radio elements of the radio frequency circuitry must be shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies. Please see external photos submitted as part of this application.
(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with the requirements set out in the applicable FCC rule part under conditions of excessive data rates or over-modulation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies. The module has buffered inputs. Please refer to the supporting schematic.
(c) The module shall have its own power supply regulation on the module. This is to ensure that the module will comply with the requirements set out in the applicable standard regardless of the design of the power supplying circuitry in the host device which houses the module.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies. The module has its own power supply regulation. Please refer to the supporting schematic.
(d) The module must be certified with specific antennas and these antennas must be contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies. The antenna connector requirements have been addressed. Please refer to the attached test report and integration guide.
(e) The module shall be tested for compliance with the applicable standard in a stand-alone configuration, i.e. the module must not be inside another device during testing.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies. The module was tested in a stand alone configuration. Please see the attached test report photos.
(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies. The label information and location of the label have been submitted with this application.

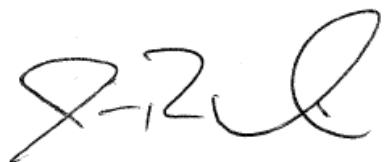
(g) The module shall comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions provided by the grantee.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies. The module is compliant with the applicable FCC rules. Compliance requirements are outlined in the integration guide.
(h) The module must comply with RF exposure requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Complies. An RF Exposure report has been submitted as part of this application.

\* Please provide a detailed explanation for each item

Based on the above information this request is for:

LIMITED  SINGLE modular approval.

Sincerely,



Jason Wilson  
 Sr. VP Global Licensing and Networks  
 Jason.Wilson@OnrampWireless.com  
 6/8/2016

Company name and address:

On-Ramp Wireless, Inc.  
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 San Diego,  
 CA 92131  
 Phone: 858-201-6727  
 Fax: 858-592-6009

Instructions:

*Please complete this form and copy to company letterhead.*

Signature:

*The request should be signed by the person who is listed as the contact person on the FCC Grantee database.*

Definitions:

*Single modular approval – If all of the answers in the checklist are “YES” then the product may be approved as a single modular approval. In this case the module may be placed in any host product and may be sold to third parties for integration into host products.*

*Limited modular approval – If one or more of the single modular requirements in the checklist cannot be met, the product may be eligible for limited modular approval. In this case the approval is host specific and the product may only be integrated into host configurations for which it has been certified. A Class II Permissive Change may be filed to add host configurations.*