



May 23, 2016

Timco Engineering Inc.
849 NW State Road 45
Newberry FL 32669

Dear Timco Engineering:

It is our opinion that the HDJ Wireless Model VersaRouter 1100 - Titan, meets the certification requirements of the FCC Authorization Procedures, 47 CFR Part 2, Subpart J. Additionally, it meets the Technical Requirements for Radio Frequency Devices, Part 15, Intentional Radiators, Subpart C, Section 15.247 and Industry Canada RSS-247 Issue 1, Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and License-Exempt Local Area Network (LE-LAN) Devices.

The Equipment Under Test (EUT) is a standards-based 802.15.4g compliant router with a co-located 3G module for 3G connectivity for IPv6/Internet of Things applications. The 802.15.4g radio module is amplified to supply up to 1Watt output power. The EUT is designed for outdoor operation having a back-up battery and external storage. The EUT is a host product that contains co-located modules.

The 3G radio module is mounted on the same host board, however the 3G radio does not transmit in the 902-928 MHz band and it has its own RF output port and its own external antenna. The 3G module has been approved as a modular transmitter; the FCC and IC IDs are provided herein for verification. The manufacturer has integrated the module according to OEM instructions. The 3G module does not have any effects on the EUT's output power. Co-location testing was performed on the host with both radios ON and transmitting while the host was actively exercised, no emissions were found to exceed the applicable limits during this test. The RF Exposure reports for both radios are provided. Both radios meet the RF Threshold requirements and MPE exhibits for both radio modules are included. No additional RF Exposure measurements were deemed necessary.

3G radio module FCC ID: XPYLISAU230, IC: 8595A-LISAU230

If you have any questions, please don't hesitate to call. Thank you for your business.

Sincerely,

Alan Ghasiani
Consulting Engineer, President

3505 Francis Circle Alpharetta, GA 30004
PH: 770-740-0717 Fax: 770-740-1508
www.ustech-lab.com