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To whom it may concern:

The enclosed documents constitute a formal submittal and application for a Class II Permissive change / Reassessment for a GNSS receiver with 400 MHz UHF and Bluetooth modems pursuant to the following rules:

RSS-119, Issue 11, June 2011, “Radio Transmitters and Receivers Operating in the Land Mobile and Fixed Services in the Frequency Range 27.41-960 MHz”
Part 90 of FCC Rules

The client is adding 4LFSK modulation on the UHF modem with a firmware upgrade. The hardware and power settings are identical. With this new modulation, 9600 bps data rate at 12.5 kHz channel spacing and 19200 bps data rate at 25 kHz channel spacing will be achieved. The UHF modem has no voice operation

- Original Industry Canada grant has 12.5 kHz channel spacing and 25 kHz channel spacing modes with other modulation types. This reassessment will add 4LFSK modulation to both channel spacing modes.
 - Original FCC grant has only 12.5 kHz channel spacing mode with other modulation types. This C2PC will add 4LFSK modulation to 12.5 kHz channel spacing and 25 kHz channel spacing modes. 25 kHz channel spacing mode will be allowed only with 4LFSK modulation.
- PBA is not required per FCC KDB 388624 D02 Permit But Ask List v13r02 (June 18, 2013),

National Technical Systems – Silicon Valley, as duly authorized agent prepared this submittal. A copy of the letter of our appointment as agent is included with the application.

If there are any questions or if further information is needed, please contact National Technical Systems – Silicon Valley for assistance.

Sincerely,

Deniz Demirci
Senior Wireless / EMC Engineer