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TO: Industry Canada

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Dear Sirs

The tested 50000880-08 flavor of the module is identical to the initial wild card 50000880-xx module tested in 2004 and certified under IC: 1846A-50M880. The -xx number represent the firmware that is being shipped with a module. However, the module exhibits the same RF behavior regardless of the firmware used and thus any -xx number for the module could be treated the same from the certification point of view.

Furthermore, the test completed for the FCC consisted of conducted and radiated parts, where per both sets of test, particular transmit power, channel and antenna (in case of radiated test) were used. Any of the modules, regardless of -xx numbers could have been tested and the results would be the same because there were no changes to any of the board circuitry including RF portions.

There were no changes made to the device. Device was tested with additional antennas, 3dBi and 10dBi.

The two antennas that will be added to this product's certification are both dipole antennas that differ only in their gain; 3dbi and 10dbi. The actual configuration that was tested used the 10dbi dipole antenna.

3dBi antenna description:

- Type - MLPV2400NGP*
- Frequency range - 2.4-2.5 GHz
- Bandwidth - 100 MHz
- Gain - 3 dBi
- Mechanical - 5/8" hole, 1-1/8"-18 thread thick plate mount; connector type – NMO.

10 dBi antenna description:

- Type - MFB24010
- Frequency range - 2400-2483.5 MHz
- Bandwidth - 100 MHz
- Gain - 10 dBi
- Mechanical – connector type – NMO.

Each antenna has an NMO connector; the antennas are connected to the module through RG 58 cable. The cable has Female Threaded Reverse Polarity SMA connector on the side connected to the module and the NMO connector on the side connected to the antenna.

a) This device has been designed to operate with the antennas listed below, and having a maximum gain of [10] dBi. Antennas not included in this list or having a gain greater than [10] dBi are strictly prohibited for use with this device. The required antenna impedance is [50] ohms

(b) A list of the antennas acceptable for use with this transmitter shall immediately follow the preceding statement

Here is a list of the various antenna configurations that were tested with the Connect Wi-ME 802.11 b module. 3dBi and 10 dBi Antennas were tested and are the reason for updating the TCB report.

Digi 29000095

Bobbintron SA-006-1

+2 dBi dipole antenna (Normal Polarity-SMA)

PCTEL, MLPV2400NGP

2.4 GHz, 3dBi gain, no ground plane, low profile antenna

MAXRAD, MFB24010

2.4 GHz, 10 dBi Fiberglass OMNI antenna

This following statement will be added to the manual.

c) To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.