FCC Part 15.247/Industry Canada RSS-210 Annex 8 Application Form

Product Name: Microlise MTU4 .....

FCC id/or Industry Canada ID: Not yet issued.....

Introduction

The following listed sections are requirements outlined by the FCC/Industry Canada which the equipment must meet in order to complete a successful application to the FCC/Industry Canada . If the equipment being submitted for testing is subject to the rules in 15.247 or RSS-210 Annex 8 , the following sections must be completed. Sections 3 to 6 are taken from the FCC Guidance Document DA 00-705.

Section 1

15.203 - Antenna requirement.

a) Integral Antenna [X]

b) Dedicated Antenna [ ]

c) Antenna Connector* [ ] Antenna Connector Type:.....

Where option B is identified please specify how this is connected to the Transmitting circuitry

Where option C is identified please specify the connector type, eg. Reverse SMA and provide or request photographs of both connectors .

Section 2

Has the radio device been approved to 802.15.1? Yes [ ] No [X]

(Bluetooth)

If **Yes,** then please provide evidence of such approval (e.g. Certificate, Test Report etc) .

If **Yes** you do not have to answer the questions in Sections 3 to 6.

If **No, or no available** evidence please answer the following questions in Sections 3 to 6 is not required.

Note: The supporting evidence for the following sections may either be clear design information, Test Results obtained on the product, or Test Results obtain using the same Driver Chip where the Chip itself controls compliance to the requirement.

Section 3 Pseudorandom Frequency Hopping Sequence

Describe how the hopping sequence is generated. Provide an example of the hopping sequence channels, in order to demonstrate that the sequence meets the requirement specified in the definition of a frequency hopping spread spectrum system.

This is covered in the Bluetooth specification available over here:
http://www.bluetooth.org/docman/handlers/downloaddoc.ashx?doc_id=229737
The hopping is explained in Part B, Chapter 2.6 Hop Selection.
Sample data is available in Part G, Chapter 2, Frequency Hopping Sample Data

Section 4 Equal Hopping Frequency Use

Describe how each individual EUT meets the requirement that each of its hopping channels is used equally on average (e.g., that each new transmission event begins on the next channel in the hopping sequence after the final channel used in the previous transmission event).

Part B, Chapter 2.6 Hop Selection provides the necessary information to answer the this question as well.

Section 5 System Receiver Input Bandwidth

Describe how the associated receiver(s) complies with the requirement that its input bandwidth (either RF or IF) matches the bandwidth of the transmitted signal.

This should be explained in Part A, Chapter 4: Receiver characteristics.

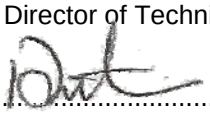
Section 6 System Receiver Hopping Capability

Describe how the associated receiver(s) has the ability to shift frequencies in synchronization with the transmitted signals.

The hopping is explained in Part B, Chapter 2.6 Hop Selection

Completed by Name: Ian Dickinson .....

Job Title : Director of Technical Services .....

Signed  Date: 23 January 2012 .....