

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

Product Name: Net Node

FCC id/or Industry Canada ID: XRFNetnode IC ID 8638A-Netnode.

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 []

b) Dedicated Antenna []

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



a) N Type bulkhead jack RG402

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.

The unit does not employ a hopping sequence- It is a fixed frequency 2.1 to 2.5 Ghz, and is of transmission type COFDM.

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).

N/A

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.

Both receiver and transmitter work in band 2.1 to 2.5 Ghz as they are a matched pair of nodes, forming a tx /rx link offering up to 5Mhz bandwidth.

Section 6 System Receiver Hopping Capability

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

N/A

Completed by Name: Stuart Doe

Job Title : Programme Manager

Signed  Date:16/3/11