



To Whom It May Concern:

RFM is seeking module certification for the DNP500P transceiver module under the “Cirronet” band name. Cirronet is a wholly owned subsidiary of RF Monolithics, Inc. Below each of the eight requirements are addressed for module certification.

1. The DNT500 is equipped with a shield that encloses all of the circuitry for the purpose of complying with the emissions standard of Part 15 and the prevention of coupling to the RF circuitry of the module.
2. The modulation and interface to the radio is only done through the on-board microprocessor. By issuing the proper commands to the microprocessor through the serial interface the radio can be modulated at the following data rates; 38.4 Kbps, 115 Kbps, 200 Kbps and 500 Kbps.
3. The module is equipped with a regulator that is capable of an input voltage of 3.3 V to 5.0 V. The regulator output is approximately 3.6V to the radio and 3.3V to the microprocessor.
4. The antenna connection provided on the DNT500P module is an Ultra Small Surface Mount U.FL Series Coaxial Connector part number U.FL-R-SMT supplied from Hirose Corporation. WEB page http://www.hirose.co.jp/cataloge_hp/e32119372.pdf . The antenna used for testing was a sleeve dipole type with a gain of 2 dBi.
5. The DNT500P was tested on a test board that was typical to the conditions it would be exposed to. The test board provided power interface from a standard 5 Volt wall module power supply and serial interface to a lap top computer.
6. The module is supplied with a 1” X 1.5” label on the top of the shield. The label contains the FCC identification as follows: FCC ID:HSW-DNT500P. The literature supplied with the module, M-0500-0000 section 3.10 page 19, expresses explicitly the requirement for the user of the module to apply the wording “Contains FCC ID:HSW-DNT500P” on the exterior of the device into which the module is installed.



Additionally, to meet Industry Canada labeling requirements, per RSS-Gen, Section 7.1.1 Host Device (c) The host device will be marked with the certification labeling requirements of each module it contains.

7. Detail operating instructions is provided in the DNT500 Series Integration Guide; part number M-0500-0000
8. RF exposure compliance in accordance with Section 15.247(b)(4) is addressed on the 1st page of the DNT500 Series Integration Guide; part number M-0500-0000. The primary concern is the allowed antenna.

Regards,

A handwritten signature in black ink that reads "Michelle Furrow".

Michelle Furrow
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