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American Certification Body, Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101

Subject: Request for FCC and IC Approval of RF Module as a Limited Single Module

Frederick Energy Products (FEP) is submitting an Application modular approval of the HIT-NOT® RF Module. This module meets the requirements of a Limited Single Module in the § 15.212 rules for unlicensed modules. The attached addendum summarizes § 15.212 rules given in document KDB 996369_D01_Modular Approval, Section III.

The HIT-NOT® RF Module is built around an FCC/IC-approved transceiver chip, Microchip Model MRF89XA. (FCD ID: T9JRN4020 and IC:T9JRN402) FEP designed the RF Module board elements to meet usage requirements specified by Microchip for this transceiver chip. Further details of these requirements are given in a Theory of Operation exhibit.

The HIT-NOT® RF Module has been developed for use only in host devices developed by Frederick Energy Products. Consequently, integration of the RF Module into other hosts will be forced to meet requirements of this FCC approval.

PMN:	RF Module
Model No.	HN-RF
HVIN:	HN-RF
FCC ID:	QUI-RF
ISED ID:	11625A-RF

Respectively,

Harold Dean Estill
Consultant (FEP Retired)

Attachment: 1. Compliance With § 15.212(a)(1) Rules

	§ 15.212 Rule	Compliance	Comments
1	Radio elements must have the radio frequency circuits shielded	No	
2	Module must have buffered modulation/data inputs.	Yes	
3	Module must contain power supply regulation on the module.	Yes	
4	Module must contain a permanently attached antenna, or contain a unique antenna connector and be operated only with specific antenna(s)	Yes	Contains a unique antenna connector and specific antenna(s) specified in design specs.
5	Module must demonstrate compliance in a stand-alone configuration.	No	Module cannot operate stand-alone. It will only be used with HIT-NOT developed hosts.
6	Module must be labeled with permanently affixed FCC ID label.	Yes	
7	Module must comply with all specific rules applicable to transmitter.	Yes	
8	Module must comply with RF exposure requirements	Yes	