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Class II Permissive Change Cover Letter

April 20th 2016

Federal Communications Commission	Industry Canada
Equipment Approval Services	Certification & Engineering Bureau
P.O. Box 358315	3701 Carling Avenue, Bldg. 94
Pittsburgh, PA	P.O. Box 11490, Station "H"
15251-5315	Ottawa, Ontario Canada
	K2H 8S2

To Whom It May Concern:

In accordance with the commission's rules of Section 2.1043, changes in certified equipment and KDB 178919, Permissive Change Policy, & in accordance with Industry Canada's RSP-100, Certification of Radio Apparatus, Class II Permissive Changes (C2PC), EMS Technologies Canada Ltd. requests authorization for a class II permissive change for:

FCC ID: K6KHSD-440

IC ID: 1275B-HSD440

M/N: HSD-440

Scope of Change:

The current Power Amplifier is being upgraded due to the life cycle obsolescence of two of the High Power RF LDMOS FETs and one Low Power RF LDMOS FET. The FETs are being replaced by substitute LDMOS FETs.

In order to improve the production yield and product reliability of the PA, the following two items are also being replaced by better performance substitutes:

A diode in the input driver sub-assembly with operating low temperature limit of -55°C is being replaced with a drop-in replacement diode of lower operating temperature of -65°C

A thermo-mechanical thermostat in the DC Control board circle is being replaced with an electronic temperature monitoring circuit.

Please contact me if there is any information you may need.

Sincerely,
Steven Mills,
Director Engineering,
EMS Technologies Ottawa