



30<sup>th</sup> March 2005

Manager  
 Equipment Approvals Section  
 Industry Canada  
 Certification and Engineering Bureau  
 3701 Carling Avenue Bldg. 94  
 P.O. Box 11490, Station "H"  
 Ottawa, Ontario K2H 8S2

Subject: **Application for a Class II Permissive Change request to certificated transceiver with IC: 109195117A (896-941 MHz, 4.0 -30 Watt, Var. Power).**

Dear Sir:

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its' request for a Class II Permissive Change for the above transceiver.

The Power Amplifier (PA) was re-designed due to the unavailability ("end of life") of the main components of the final Power and Driver Amplifiers. All stages were matched using transmission lines, capacitors and inductors.

Motorola is also requesting that IC reduce the Power from 7.5 Watt to 4 Watt. Thus, the Power listed on the Grant would be **4-30 Watt, Variable Power**.

Performance data on Radiated Spurious Emissions was obtained from HERMON LABORATORIES LTD (FCC OATS Registration No. 90623, FCC Anechoic chamber registration No. 13040/SIT 1300F2) in accordance with 47 CFR 2.1053. There was an occurrence where the Spurious Emissions exceeded those in the original FCC filing but are still within the FCC limits.

This radio product continues to meet all IC emission requirements, including RF Exposure, for which Equipment Authorization was granted. But since the Radiated Spurious Emissions exceed those reported to the IC in the original filing and a reduction of power from 7.5 to 4 Watt, a Class II Permissive Change Request is being requested.

Below is a table showing the **MCS 2000** model data.

<u>Trade Name</u>	<u>Model Numbers</u>	<u>Frequency Range -MHz</u>	<u>RF Power -W</u>	<u>Authorized Emissions</u>
MCS 2000	M01WJL4PW4_N	896-941 MHz	4-30 Watts	11K0F1D, 11K0F3E, 11K0F2D,

Data was taken per the procedures outlined in the TIA/EIA-603 for Land Mobile Communication FM or PM Transmitters, and the test results were taken from the FCC submission application.

**Please note that this product will not be distributed, leased or offered for sale in Canada until it is listed on the Industry Canada Radio Equipment List (REL).**

If you have any questions, please email me at the address below or call me at 954-723-5793.

Yours truly,

*/s/ Mike Ramnath (signed)*

Mike Ramnath

Manager, Regulatory Compliance

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