MOTOROLA

FCC ID: ABZ99FT4073

Date: February 15, 2002

Authorization and Evaluation Division
Federal Communication Laboratory
7435 Oakland Mills Road
Columbia. MD 21046

Att: Linda Elliott or Joe Dichoso

Subject: Class II Permissive Change request for Type Accepted Transmitter with FCC ID: ABZ99FT4073

We are requesting a Class II Permissive Change to the above referenced transmitter. The final stage (Q104) of the transmitter RF power amplifier has been replaced with a new active device.

The changes include:

- Q104 device replacement from LDMOS FET MRF5007 transistor to LDMOS FET MRF1517 transistor.
- Input and output matching changes for proper transistor operation.
- PC Board modifications for device and matching differences.

All other parameters of the radio are unchanged. There are no added options, changes in rated power, or customer perceived changes. The radio, after the change, will be subject to all the same specifications and regulation of the radios prior to the change.

Reason for Change:

The RF power amplifier is being updated from MRF5007 to the MRF1517 LDMOS FET transistor for defect reduction and cost reduction purposes.

General Information:

LDMOS FET MRF5007 Transistor specifications:

- 7.0 Watt transistor
- 7.5 Vdc Source
- 512 Mhz
- 11.5 dB Gain
- 55 % efficiency
- 430B/1 SMT package

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LDMOS FET MRF1517 Transistor specifications:

- 8.0 Watt transistor
- 7.5 Vdc Source
- 520 MHz
- 11 dB Gain
- 55 % efficiency
- PLD-1.5 SMT package

Supplied Data:

The data supplied with this permissive change request consist of data that was affected by the change to the LDMOS FET device. Please refer to the enclosed Exhibit 1.

Contact Jim Zima at (847) 576-3697 or jim.zima@motorola.com if you require any additional information.

Sincerely,

Donna Tokarz
RPD Coordinator
Fax (847)576-7245