

September 24, 2013

To: Elite Electronic Engineering
Re: Class II Permissive Change for ABZ89FC5810 to Verify H-Mask for Digital Emissions
800 MHz GTR 8000 Base Radio Transmitter

This memo is in regards to a Motorola Solutions type approved transmitter, equipment type ABZ89FC5810. ABZ89FC5810 was originally granted FCC type approval on October 11, 2005 and most recently updated to include analog and additional digital emission designators in September of 2010.

A copy of the current grant is included on the following page.

There is no change being requested to the grant per this action. The purpose of this permissive change is to definitively show that the 12.5 kHz digital emissions generated by this transmitter do in fact comply to 90.210 (h), the "H-mask", for NPSPAC applications in addition to 90.210 (d), the "D-mask".

Occupied bandwidth data is included in this package to show "H-mask" compliance for the emission designators, as follows:

9K80D7W for P25 Two Slot TDMA Digital Modulation (H-DQPSK)

8K70D1W for P25 FDMA Linear Simulcast Modulation (LSM)

8K10F1E, 8K10F1D for P25 FDMA Compatible 4-Level Frequency Modulation (C4FM)

No schematics or photos are included in this package. This proposed change maintains the existing specifications of the equipment. The equipment will be completely compatible and interchangeable with the existing equipment currently shipped under equipment type ABZ89FC5810, and the form, fit, and function of the base radio is identical to the equipment that is currently in production.

For the filing package currently on record with the FCC, all exhibits are considered current and valid. The exhibits shown in the 'List of Exhibits' herein are supplemental to the information currently on record.

Please contact me if you need further information or have any issues or questions.
Regards,



Ken Weiss
Motorola Solutions

TCB

GRANT OF EQUIPMENT
AUTHORIZATION

TCB

Certification

Issued Under the Authority of the
Federal Communications Commission
By:Elite Electronic Engineering, Inc.
1516 Centre Circle
Downers Grove, IL 60515

Date of Grant: 09/21/2010

Application Dated: 09/21/2010

Motorola Inc
1301 East Algonquin Rd
Room 1726
Schaumburg, IL 60196

Attention: Ken Weiss, Lead Electrical Engineer

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is
VALID ONLY for the equipment identified hereon for use under the Commission's
Rules and Regulations listed below.

FCC IDENTIFIER: ABZ89FC5810

Name of Grantee: Motorola Inc

Equipment Class: Licensed Non-Broadcast Station Transmitter

Notes: Non-Broadcast Transmitter

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHz)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
BC	90	851.0 - 870.0	100.0	1.0 PM	8K70D7W
BC	90	851.0 - 870.0	100.0	1.0 PM	8K10F7W
BC	90	851.0 - 870.0	100.0	1.0 PM	8K10F1D
BC	90	851.0 - 870.0	100.0	1.0 PM	8K70D1W
BC	90	851.0 - 870.0	100.0	1.0 PM	8K10F1E
BC	90	851.0 - 870.0	50.0	1.0 PM	17K7D7D
BC	90	851.0 - 870.0	100.0	1.0 PM	9K80D7W
BC	90	851.0 - 870.0	100.0	1.0 PM	16K0F3E
BC	90	851.0 - 870.0	100.0	1.0 PM	11K0F3E

The antenna(s) used for this transmitter must be fixed-mounted on outdoor permanent structures. RF exposure compliance is addressed at the time of licensing, as required by the responsible FCC Bureau(s), including antenna co-location requirements of 1.1307(b)(3).
Class II Permissive Change to add emission designators.

BC: The output power is continuously variable from the value listed in this entry to 5%-10% of the value listed.