

October 11, 2013

To: Elite Electronic Engineering  
Re: Class II Permissive Change for ABZ89FC5819 to Verify H-Mask for Digital Emission  
800 MHz Digital Upgrade Kit Base Radio Transmitter

This memo is in regards to a Motorola Solutions type approved transmitter, equipment type ABZ89FC5819. ABZ89FC5819 was originally granted FCC type approval on September 3, 2010. A permissive change was granted to add emission designators on November 1, 2011.

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:  
**7K60FXE, 7K60FXE, 7K60F7E, 7K60F7D, 7K60F7W** for "MotoTRBO" 2-Slot TDMA Digital Modulation

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 ABZ89FC5819, 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: 11/01/2011

Application Dated: 11/01/2011

Motorola Solutions, Inc.  
1301 East Algonquin Road  
Schaumburg, IL 60196

Attention: Ken Weiss, Senior Staff 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: ABZ89FC5819

Name of Grantee: Motorola Solutions, 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>
BG	90	851.0 - 870.0	75.0	1.0 PM	16K0F3E
BG	90	851.0 - 870.0	75.0	1.0 PM	11K0F3E
BG	90	851.0 - 870.0	75.0	1.0 PM	7K60FXE
BG	90	851.0 - 870.0	75.0	1.0 PM	7K60FXD
BG	90	851.0 - 870.0	75.0	1.0 PM	7K60F7E
BG	90	851.0 - 870.0	75.0	1.0 PM	7K60F7D
BG	90	851.0 - 870.0	75.0	1.0 PM	7K60F7W

Power out is conducted. 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 Section 1.1307(b) (3). Class 2 Permissive Change to add TDMA emission designators.

BG: The output power is continuously variable from the value listed in this entry to 25%-30% of the value listed.