

April 25, 2013

To: Elite Electronic Engineering  
Re: Class II Permissive Change for ABZ89FC3795, VHF High Power Digital Upgrade Kit Radio Transmitter  
Addition of FCC Rule Part 22

This memo is in regards to Motorola Solutions type approved transmitter, equipment type ABZ89FC3795, originally approved December 8, 2010. It was updated with additional emission designators on October 17, 2011.

A copy of the current FCC grant is included.

Motorola Solutions requests to have FCC rule part 22 added onto the grant. Since the technical requirements in part 22 are similar or less stringent than those in part 90, no emissions data or occupied bandwidth information is included with this request. Please refer to information on file, as needed.

Per current FCC rules, the 16K0F3E emission designator has been removed from the application for Rule Part 90.

No schematic, active device, or circuitry changes have been made to the equipment. 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 ABZ89FC3795. The form, fit, and function of the base radio is identical to the equipment that is currently in production.

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

A handwritten signature in blue ink, appearing to read 'Ken Weiss'.

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: 10/17/2011

Application Dated: 10/17/2011

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: ABZ89FC3795

Name of Grantee: Motorola Solutions, Inc.

Equipment Class: Licensed Non-Broadcast Station

Transmitter

Notes:

Non-Broadcast Transmitter

Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
BF EF	74, 80, 90	136.0 - 174.0	100.0	2.5 PM	16K0F3E
BF EF	74, 80, 90	136.0 - 174.0	100.0	2.5 PM	11K0F3E
BF EF	74, 80, 90	136.0 - 174.0	100.0	2.5 PM	7K60FXE
BF EF	74, 80, 90	136.0 - 174.0	100.0	2.5 PM	7K60FXD
BF EF	74, 80, 90	136.0 - 174.0	100.0	2.5 PM	7K60F7E
BF EF	74, 80, 90	136.0 - 174.0	100.0	2.5 PM	7K60F7D
BF EF	74, 80, 90	136.0 - 174.0	100.0	2.5 PM	7K60F7W

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 2 Permissive Change to add TDMA emission designators.

BF: The output power is continuously variable from the value listed in this entry to 20%-25% of the value listed.

EF: This device may contain functions that are not operational in U.S Territories except as noted in the filing. This grant has extended frequencies as noted in the filing and Section 2.927(b) applies to this authorization.

CURRENT TYPE APPROVAL GRANT  
(Permissive Change)