

Date: December 4, 2015

Office of Engineering and Technology  
 Laboratory Division  
 Equipment Authorization Branch  
 Federal Communications Commission Laboratory  
 7435 Oakland Mills Road  
 Columbia, MD 21046

**Subject:** Extended Frequencies Justification for Certification of Transmitter with FCC ID: **AZ489FT7068**

Dear Sir or Madam:

This transmitter was design to operate in the following frequency ranges:

| Band/Mode | Frequency     | FCC Rule Parts |
|-----------|---------------|----------------|
| UHF       | 403 – 527 MHz | 22, 74, 80, 90 |
| Bluetooth | 2402-2480 MHz | 15C            |
| WiFi      | 2400-2462 MHz | 15C            |

To aid equipment authorization in other countries that accept the United States FCC Grant for Certification, Motorola (Motorola Solutions Inc) is requesting that the FCC list the above frequency/frequencies under FCC Rule Parts 22, 74, 80 and 90 on the Grant.

For the FCC's Rule Parts 22, 74, 80 and 90 applications, this radio is used in systems by Federal and Public Safety agencies including Police, Fire, and Emergency Medical Services, etc. as indicated in the table below. Equipment programming is the responsibility of Authorized Service Personnel.

Also, the radio complies with 47 CFR Part 90.203(e) and 80.203(b), in that the operator cannot directly program the transmit frequencies using the normally accessible external controls. Per the FCC's KDB634817 guidance, as an alternative to listing the exact frequencies, we acknowledge that it's a violation of the FCC Rules if this device operates on unauthorized frequencies.

| Frequency Range (MHz) | Part 22 | Part 74 | Part 80 | Part 90 | Federal | Emission Designator                                                       |
|-----------------------|---------|---------|---------|---------|---------|---------------------------------------------------------------------------|
| 406.1-450             |         |         |         | X       |         | 11K0F3E<br>16K0F3E<br>7K60F1D<br>7K60FXD<br>7K60F1E<br>7K60FXE<br>7K60F1W |
| 450-454               |         | X       |         | X       |         |                                                                           |
| 454-456               |         | X       |         |         |         |                                                                           |
| 456-460               | X       |         | X       | X       |         |                                                                           |
| 460-462.5375          |         |         |         | X       |         |                                                                           |
| 462.5375-462.7375*    |         |         |         |         | X       |                                                                           |
| 462.7375-467.5375     |         |         | X       | X       |         |                                                                           |
| 467.5375-467.7375     |         |         | X       |         |         |                                                                           |
| 467.7375-470          |         |         | X       | X       |         |                                                                           |
| 470-512               | X       | X       |         | X       |         |                                                                           |
| 512-527               |         |         |         |         | X       |                                                                           |

\*Canada

Please contact me if you require any additional information.

Sincerely,



Kim Uong  
 Regulatory Compliance Engineer  
 Tel: (954) 723-5422  
 E-mail: [Kim.Uong@motorolasolutions.com](mailto:Kim.Uong@motorolasolutions.com)