

December 14, 2020

Authorization & Evaluation Division
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Subject: Extended Frequencies Justification for Certification of Transmitter with FCC ID: AZ489FT7133.

Dear Sir/Madam:

This transmitter is designed to operate in the following frequency ranges:

| Band/Mode | Frequency ranges | FCC rule parts |
|------------------|-------------------------|-----------------------|
| UHF | 400-512 MHz | 22, 74, 90 |
| LTE B12 | 699-716 MHz | 27 |
| LTE B13 | 777-787 MHz | 27 |
| LTE B14 | 788-798 MHz | 90R |
| LTE B17 | 704-716 MHz | 27 |
| LTE B2 | 1850-1910 MHz | 24E |
| LTE B4 | 1710-1755 MHz | 27 |
| LTE B5 | 824-849 MHz | 22H |
| LTE B7 | 2500-2570 MHz | 27 |
| LTE B30 | 2305-2315 MHz | 27 |
| B48 | 3550-3700 MHz | 96 |
| BT | 2402-2480 MHz | 15C |
| BT LE | 2402-2480 MHz | 15C |
| Wi-Fi/ WLAN | 2412-2462 MHz | 15C |
| Wi-Fi/ WLAN | 5180-5825 MHz | 15E |

To aid equipment authorization in other countries which accept the United States FCC Grant for Certification, Motorola Solutions is requesting that the FCC lists the above applicable frequencies range under FCC Rule Parts 22, 74 and 90 on the FCC Grant.

For the FCC's Rule Parts 22, 74 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), 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 24D | Part 74 | Part 90 | Federal | Other Regions |
|-----------------------|---------|----------|---------|---------|---------|---------------|
| 400-406.1 | | | | | X | |
| 406.1-450 | | | | X | | |
| 450-454 | | | X | X | | |
| 454-456 | | | X | | | |
| 456-460 | X | | | X | | |
| 460-462.5375 | | | | X | | |
| 462.5375-462.7375* | | | | | X | X |
| 462.7375-467.5375 | | | | X | | |
| 467.5375-467.7375 | | | | | | |
| 467.7375-470 | | | | X | | |
| 470-512 | X | | X | X | | |

*Canada

Please contact me if you required any additional information.

Sincerely,



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