

Date: May 31, 2018

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

Subject: Application for Certification of Transmitter with FCC ID: AZ489FT7111

Dear Sir/Madam,

Motorola Solutions Inc herein submits application for Certification of the subject transmitter.

This transmitter is intended for use in a portable radio application with capabilities for clear and coded communications with a variable transmit power operating within the following frequency ranges:

Product Name	Model Numbers	Frequency Range	RF Power	FCC Rules Part
APX8000H	H91TGD9PW9AN H91TGD9PW8AN	LMR VHF: 136 – 174 MHz	1.0-6.0 W; Max=6.6 W	22, 74, 80, 90
		LMR UHF: 380 – 520 MHz	1.0-5.0 W; Max=5.7 W	22, 74, 80, 90
		LMR 700MHz: 769 – 775 MHz	1.0-2.5 W; Max=2.99 W	90
		LMR 700MHz: 799 – 805 MHz	1.0-2.5 W; Max=2.99 W	90
		LMR 800MHz: 806 – 824 MHz	1.0-3.0 W; Max=3.6 W	90
		LMR 800MHz: 851 – 869 MHz	1.0-3.0 W; Max=3.6 W	90
		BT/BT LE: 2402 – 2480 MHz	BT: 10 mW BTLE: 10 mW	15C
		802.11 b,g,n : 2412 – 2462 MHz	802.11b: 28.3 mW (Max) 802.11g: 11.2 mW (Max) 802.11n: 11.2 mW (Max)	15C

We are requesting certification under Part(s) of the Commission's Rules listed above to allow operation of this equipment. The transmitter is intended for work related occupational use only under Part 90 of the FCC rules.

The subject transmitter complies with Section 90.203 and 80.203 (b) of the Rules in that the operator cannot directly program transmit frequencies using the unit's normally accessible external controls. The transmitter also complies to 80.203(n) as it meets all performance requirements listed in IEC62238. This product in the 470-512MHz will be utilizing the T-band waiver allocation. The waiver is included in this filing and noted as Exhibit 13d.

A complete Certification application is enclosed. If you require any additional information, please contact me at (954) 723-4707.

Sincerely,



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 Regulatory Compliance Manager
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