

Date: January 17, 2022

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: AZ489FT7119

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
APX NEXT	H55TGT9PW8AN H45KGT9PW8AN H45UCT9PW8AN H45XDT9PW8AN	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, 90
		LMR UHF: 456 - 470 MHz	Max=2.0 W	80
		LMR 700MHz: 769 – 775 MHz	1.0-2.5 W; Max=2.99 W	90
		LMR 700MHz: 768 – 776 MHz (itinerant bands only)	1.0-2.2 W; Max=2.5 W	90.531
		LMR 700MHz: 799 – 805 MHz	1.0-2.5 W; Max=2.99 W	90
		LMR 700MHz: 799 – 805 MHz (Itinerant bands only)	1.0-2.2 W; Max=2.5 W	90.531
		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: 11.18mW; 11.5 mW (Max) BTLE: 11.5 mW	15C
		802.11 b,g,n : 2412 – 2462 MHz	802.11b: 200 mW (Max) 802.11g: 158 mW (Max) 802.11n: 158 mW (Max)	15C
		WLAN: 802.11a,n,ac : 5.180-5.825 GHz	802.11a /n/ac: 20MHz BW : 158 mW (Max) 802.11n/ac: 40MHz BW : 158 mW (Max) 802.11ac: 80MHz BW : 126 mW (Max)	15E
		LTE Band 2: 1850 – 1910MHz	158-194mW conducted; 250mW max	24E
		LTE Band 4: 1710 – 1755MHz	138-193mW conducted; 250mW max	27
		LTE Band 5: 824 – 849MHz	160-196mW conducted; 250mW max	22H
		LTE Band 12: 698 – 716MHz	155-191mW conducted; 250mW max	27
		LTE Band 13: 777 – 787MHz	163-194mW conducted; 250mW max	27
		LTE Band 14: 788 – 798MHz	55-71mW conducted; 250mW max	90R
		LTE Band 17: 704 – 716MHz	159-187mW conducted;	27

			250mW max	
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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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