

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 Permission Class 2 Change Certification of Transmitter with FCC ID: AZ489FT7119

Dear Sir/Madam,

Motorola Solutions Inc herein submits application for Permissive Change Class 2 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 H45TGT9PW8AN	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 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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**A. DESCRIPTION OF PRODUCT CHANGES:**

- We are offering a new model APX NEXT XE. The model is electrically the same as the APX NEXT. There are slight modifications to the housing which is a larger control head. This model also comes with its own carry solutions.

**B. PERFORMANCE DIFFERENCES:**

- EME observed degradation when adding this new model along with its own carry solutions as compared to the original filing but still within the FCC limits. The EMC was evaluated and no degradation found.

**C. CONCLUSION:**

- This radio continues to meet all FCC emissions requirements for which authorization was granted. The new degraded EME limits need to be updated on the Grant.

A Permissive Change Class 2 Certification application is enclosed. If you require any additional information, please contact me at (954) 723-4707.

Sincerely,



Deanna Zakharia  
Regulatory Compliance Manager  
E-mail: [Deanna.zakharia@motorolasolutions.com](mailto:Deanna.zakharia@motorolasolutions.com)