

Date: April 13, 2020

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

Subject: Application for Class 2 Permissive Change to FCC Authorized Transceiver with FCC ID: AZ489FT7111

A permissive change is requested for the subject transmitter:

Product Name	Model Numbers	Frequency Range	RF Power	FCC Rules Part
APX 8000HXE	H91TGD9PW4AN	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

A. DESCRIPTION OF PRODUCT CHANGES:

- Adding Model 1.5 into existing APX8000HXE family which has been FCC certified. The radio is electrically and software identical to APX 8000H model except mechanical differences where the radio is with XE top control and green impact housing

B. PERFORMANCE DIFFERENCES:

- SAR degradation is observed in EME when using specific carry solutions for APX 8000HXE Model 1.5 compared to the original filing but still within the FCC limits. No EMC testing is required.

C. CONCLUSION:

- This radio continues to meet all FCC emissions requirements for which authorization was granted.

Sincerely,



Deanna Zakharia
Regulatory Compliance Manager
E-mail: Deanna.zakharia@motorolasolutions.com