

April 17, 2014

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

**Subject:** Extended Frequencies Justification for class 2 Permissive Change of Transmitter with  
 FCC ID: **AZ489FT7036**.

Dear Sir or Madam:

The APX7000 Portable 2-Way VHF/700/800 radios was designed to operate on frequencies that are in the frequency bands 136-174, 764-775, 794-824, 851-869 MHz.

To aid equipment authorization in other countries that accept the United States FCC Grant for Certification, Motorola is requesting that the FCC list the frequencies 136-174 MHz for Rule Parts 22, 80 and 90, and 764-869 MHz for Rule Part 90 on the Grant.

For the FCC's Rule Parts 22, 80, 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. 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. Equipment programming is the responsibility of Authorized Service Personnel.

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 90	Part 80	Part 22	Feds	Emission Designator
138-150.8*				x	8K10F1D/F1E/F1W, 11KOF3E, 16KOF3E, 20KOF1E
150.8-154	x				
154-156.2475	x	x			
156.2475-157.1875		x			
157.1875-161.575	x	x			
157.77-158.67	x	x	x		
161.575-161.625		x			
161.625-161.775*					
161.775-161.9625	x	x		x	
161.9625-162.0375		x		x	
162.0375-173.4	x			x	
173.4-174*				x	
764-775	x				
794-805	x				8K10F1D/F1E/F1W, 11KOF3E, 16KOF3E, 20KOF1E
806-824	x				
851-869	x				

\*Canada

Sincerely,



 Kim Uong  
 Manager, Regulatory Compliance  
 Tel: (954) 723-5422  
 Email: [Kim.Uong@motorolasolutions.com](mailto:Kim.Uong@motorolasolutions.com)