

Date: June 11, 2015

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 of Transmitter with FCC ID: **AZ489FT5861**

Dear Sir or Madam:

Motorola Solutions Inc (8000 West Sunrise Boulevard, Fort Lauderdale, Florida) herein submits application for Class 2 Permissive Change of the subject transmitter:

Frequency	Rated Power	FCC Rule Parts
896-901 MHz 935-940 MHz	1.0 – 2.5 W (max = 3W)	90
901-902 MHz 940-941 MHz	2.0 – 2.5 W (max = 3W)	24
2402-2480 MHz	10 mW	15C

## A. Description of changes:

- Added 3 new models (dual knob) into existing family (single knob).
  - i. Two (2) new models APX4000 are electrically identical to existing family except having changes in controller section to accommodate the dual knob design.
  - ii. One (1) new model APX1000 is electrically identical to existing family except having changes in controller section to accommodate the dual knob design with software tier down to disable the Bluetooth feature.
- Bluetooth antenna matching circuitry was optimized to enhance bluetooth performance for dual knob models.

## B. Performance difference:

- Degradation was observed in RF exposure and Bluetooth EMC emission on file with FCC for this transmitter.

## C. Conclusion:

- The changes remained electrically identical to the previous granted equipment and this radio continues to meet all FCC emissions requirements for which authorization was granted.

Please contact me if you require any additional information.

Sincerely,



Kim Uong

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