

October 30, 2017

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: AZ489FT7061 APX8000 ALL BAND (7/800, VHF, UHF) PORTABLE

Dear Sir/Madam,

A permissive change is requested for APX8000 ALL BAND (7/800, VHF, UHF) Portable (the subject transceiver) which is marketed in the United States and elsewhere.

A. DESCRIPTION OF PRODUCT CHANGES:

- Power amplifier and predriver changes in LMR section due to part end of life. There is no change to the radio electrically except for power amplifier. New power amplifier requires less current and dissipates ~0.5watt less compared to the old power amplifier. The part changes are:-
  - Pin-to-pin compatible
  - Having same basic function
- Wireless IC changes in LMR section due to firmware update by the supplier. There is no change to the radio electrically. The part changes are:-
  - Pin-to-pin compatible
  - Having same basic function
  - Electrically identical

B. PERFORMANCE DIFFERENCES:

Degradation was observed on EME testing and EMC Spurious Emission (SR ID 9095) as compared to the original filing but the data continues to be compliant to the Part 22, 74, 80 and 90 limits. There is no impact to BT/WIFI performance due to no changes were involved on these sections.

C. CONCLUSION:

This radio continues to meet all FCC emissions requirements for which authorization was granted. However, the EMC and EME has degraded compared to those originally reported, thus this change does meet requirements of a Class-2 Permissive Change.

Sincerely,



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