

December 15, 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 APX8000H ALL BAND (7/800, VHF, UHF) PORTABLE

Dear Sir/Madam,

A permissive change is requested for APX8000H ALL BAND (7/800, VHF, UHF) Portable (the subject transceiver) which is marketed in the United States and elsewhere.

A. DESCRIPTION OF PRODUCT CHANGES:

- The subject transceiver has an existing part replacement due to End of Life (EOL) which the component changes are made within Transmitter, Receiver and DC supply section, which are all passive components in the LMR section. There is no change to the radio electrically.
- There is an oscillator chipset and VCO module replacement made within Frequency Generation Unit (FGU) in the LMR section. There is no change to the radio electrically. The changes are:-
 - pin-to-pin compatible
 - has the same basic function as the previous chip
 - no change in radio parameters (electrically identical)

B. PERFORMANCE DIFFERENCES:

EME & EMC has been assessed and no degradation found. In the EMC report, all channels and modulations were evaluated and that the worst case performance is presented in the report. 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.

Sincerely,



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