Date: 6 November 2024

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: AZ489FT7149

Dear Sir/Madam,

A class 2 permissive change is requested for the subject transceiver (2-way portable radio) which is marketed in the United States and elsewhere.

A. DESCRIPTION OF PRODUCT CHANGES:

1. Updating VHF front and top display stacking and flex for noise display fixes.
2. Updating FVIN to D04.18.53 for app fixes, no modem (LTE) or BT or WLAN performance changes.
3. Updating Antenna matching inductor L4903 changed from IND00659A01 to 2460591E50.
4. Updating Antenna element for lower loss over mold material.
5. Updating Receiver section IQME algorithm changes to account for slightly higher FE GAIN and improved Amp & phase error.
6. Updating Receiver section Inductors for Pre & Post selector MRA identical specs to the previous ones.
7. Updating FGU section coupling capacitor C3667 changed from CA002610A01 to CA001167T74.
8. Updating GCAI connector discrete pull-up circuit for GPIO 1, 2, 3, 4.

Where Found	Ref Des	MSI P/N (Old)	Value (Old)	MSI P/N (New)	Value (New)
Antenna Match	L4903	IN000659A01	27 NH	2460591E50	26.7 nH
FGU	C3667	CA002610A01	22 nF	CA001169T74	33 nF

B. PERFORMANCE DIFFERENCES:
EMC has been assessed and no degradation was found, however EME observed degradation as compared to the previous filing but the data continues to be compliant to the FCC limits.

C. CONCLUSION:
This radio continues to meet all FCC emissions requirements for which authorization was granted.

Sincerely,

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Arine Lee
FCC/IC Certification Manager
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