

Date: 23 August 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: AZ489FT5874

Dear Sir/Madam,

A permissive change is requested for the subject transceiver which is marketed in the United States and elsewhere.

**A. DESCRIPTION OF PRODUCT CHANGES:**

Due to components End of Life (EOL) and Parts Shortage, there are various parts that need to be replaced and to add for alternative sources. The changes included:

- a) Transmit Pre-driver amplifier that has similar specifications. However it is not a pin-to-pin compatible with the previous amplifier and hence required a minor re-layout.
- b) Flash IC replacement part slightly smaller than previous and hence required a minor re-layout.
- c) Controller MUX/SPDT Switch replacement part is direct drop in.
- d) VCO Varactor Diode alternative parts is direct drop in.
- d) ESD Diode, Inductor and ground contact put for ESD improvement.

**B. PERFORMANCE DIFFERENCES:**

EMC and EME has been assessed and no degradation was found. 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,



---

Arine Lee  
FCC/IC Certification Manager  
E-mail : [arinelee@motorolasolutions.com](mailto:arinelee@motorolasolutions.com)