

Date: November 29, 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:
AZ489FT7096

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:

- i. The Rodinia part is replaced to ensure the continuity of supply for the current shipping product with alternative parts of EOL parts due to process tooling obsolescence from the manufacturer. It is a fab location change from the same manufacturer. No layout change as the part is the same size and footprint. There is no impact to the RF power or quality of the transmitted signal and/or RF spectrum. The affected part is used at the receiver backend interface.
- ii. There are passive component replacement due to EOL PCN used in GCAI interface. The new parts placed on same location as previous with relay layout done to match the pin output difference. The overall design remains the same and does not impact radio receive/transmit RF performance.
- iii. RF Power transistor for driver replacement due to EOL PCN due to change in wafer fabrication site. The new parts placed on the same location as previous with no layout change. This part change impacts the transmitter line up.

B. PERFORMANCE DIFFERENCES:

EMC and EME have been assessed and no degradation found compared to the previous filing and still within 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
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