

Date: January 21, 2022

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: AZ489FT4922

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) Replacing current Radio Frequency IC (Rodinia) and Transmitter Pre-Driver (Skyworks) with new Rodinia G1 Prime IC and Qorvo Pre-Driver due to supplier End of Life announcement. There is no change to the radio electrically and the new parts are pin-to-pin comparable with the current parts.

Part	Existing	New
Radio Frequency IC (Rodinia)	51009877001	IC001614A01
Transmitter Pre-Driver	LN000089A01	LN001488A01

- ii) There were several End of Life (EOL) passive components changes. Some component value change (Power Management section) and some components value remain the same (RFIC, Receive, Power Management, Peripheral, Receiver and Transmitter section). These components are pin to pin compatible. No change in the schematic.
- iii) The grant power level for analog mode, 12.5kHz and 25kHz channel spacing is updated to 2W rated, 2.4W max. The current EME report had also assessed the analog mode at 2.4W max and the data was found to be degraded from the current SAR level on filed.

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:

These radios continued to meet all FCC emissions requirements for which authorization was granted.

Sincerely,



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FCC/IC Certification Manager
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