

Date: March 24, 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: AZ489FT3835

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:**

1. 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 additional grounding line to pin 6 of Pre-Driver. However it is not affect any change to the radio electrically and the new parts is pin-to-pin comparable with the current parts.

Old Part Number	New Part Number	Description	Where Used
51009877001	IC001614A01	Radio Frequency IC (Rodinia)	VCO
LN000150A01	LN001488A01	Transmitter Pre Driver	Transmitter
2571601G01	IN001116A01	Choke Coil	Peripheral
2175662M04	21667003103	TX Matching Cap	Transmitter

2. There were two End of Life (EOL) passive components changes. These two components value remain the same (Peripheral and Transmitter section). These components are pin to pin compatible.

**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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