

Date: May 28, 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: AZ489FT4963

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:

- a) Due to global part shortage, there are various ICs replacement (listed below) which some of the components requires re-layout on the Transmit section. The changes have similar basic function as the previous design and no change in radio parameters.

Old Part Number	New Part Number	Description	Whereused
MSI PN: MM000278A01 MPN: W25Q16FWBYIG	MSI PN: MM000493A01 MPN: W25Q16JWBYIM	FLASH,16,MBIT,FLASH,1.8V 16M-BIT SERIAL FLASH MEMORY WITH DUAL/QUAD SPI, QPI & DTR	Flash IC
MSI PN: 51009686002 MPN: 00CW374	MSI PN: IC001616A01 MPN: 02NE646	INTERFACE IC,INTERFACE IC,INTERFACE IC,RODINIA-LITE 2.1 PRIME RF TRANSCEIVER IC, 100 TO 1000 MHZ	Rodinia Lite IC
MSI PN: 2113946F03 MPN: GRM21BR60J475KA37	MSI PN: CA000985A01 MPN: GRM188C71A475KE11D	CAPACITOR, FIXED,CERAMIC,0603/M1608,4.7 UF,10 V,+/-10%, X7S	TX
MSI PN: 48012220001 MPN: MT3S20TU(TE85L)	MSI PN: CR003002A01 MPN: BF771E6327HTSA1	TRANSISTOR,TSTR, AMP, VHF- UHF LOW NOISE, 20V, 80MA	TX Predriver IC
MSI PN: 5189139P01 MPN: NLAS4599DFT2G	MSI PN: LN001553A01 MPN: MAX4729EXT+T	LINEAR DEVICE,SC-70,2:1 MUX/SPDT SWITCH, SC70-6	Power Supply Regulator On Off Switch

- b) ESD diode has been added to fix the ESD issue.
 c) Needs to correct the previous FCC PC2 grant on the highest SAR value for head and body, from 1.62W/kg to 1.42W/kg and 1.30W/kg to 1.62W/kg respectively.

B. PERFORMANCE DIFFERENCES:

EME and EMC 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
E-mail : arinelee@motorolasolutions.com