

Date: 15 August 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: AZ489FT7134

Dear Sir/Madam,

A permissive change is requested for EVOLVE and EVOLVE-i which are marketed in the United States.

A. DESCRIPTION OF PRODUCT CHANGES:

1. Enable 802.11ac via software only.
2. Enable LTE Band 42 (3450 - 3550 MHz) (Part27Q) via Software only.
3. Removal of the SAR Sensor IC and the surrounding components.
4. For the Major PCN, three component ICs namely: (i) RF Power Amplifier (CBRS bands) (ii) Proximity Light Sensor (iii) EMCP Memory are being replaced due to end of life (EOL).

No.	Component	Type	Part Number	Brand	Remarks
1	CBRS bands RF PA	Original	QM75042	Qorvo	1. The replacement IC is a pin to pin compatible; the layout and schematic remain the same. 2. No impact to the characteristics of the radio.
		Replacement	SKY78215-11	Skyworks	
2	Proximity Light Sensor	Original	STK3311-X	SensorTek	1. The replacement IC required a minor layout update. 2. No impact to the characteristics of the radio.
		Replacement	STK3337-X	SensorTek	
3	EMCP Memory	Original	KMDH6001DA -B422T02	Samsung	1. The replacement IC is a pin to pin compatible; the layout and schematic remain the same. 2. No impact to the characteristics of the radio.
		Replacement	KMDP6001DA -B425	Samsung	

B. PERFORMANCE DIFFERENCES:

Both WIFI 802.11ac and LTE B42 (Part 27Q) which are software enabled have been tested and shown compliance with the full RF, EMC and EME test reports provided in the application. For the SAR sensor IC removal and Major PCN, RF, EMC and EME have been assessed and no degradation was found as compared to the previous filing and the data continues to be compliant to the FCC limits.

C. CONCLUSION:

The radios continue to meet all the FCC emissions requirements for which authorization was granted, thus these changes do meet the requirements of a Class-2 Permissive Change.

Sincerely,



Arine Lee
FCC/IC Certification Manager
E-mail : arinelee@motorolasolutions.com