

Date: 2021-03-16

Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

Re: FCC Class II Permissive change for FCC ID: UJHNR000

Dear Examiner,

This is to request a Class II permissive change for FCC ID: UJHNR000, originally granted on 06/08/2015.

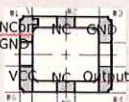
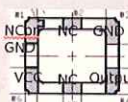
The major changes filed under this application are:

1. Replacement of Oscillator chip, details as below. The new one and original are pin-for-pin compatible, with same basic function and no changes in radio parameters.

	Parts name	Type	Circuit used	Mounted Board
1	IC for oscillation circuit in TCXO (In the BT / WLAN / GNSS module)	AK2170AJW	BT/WLAN/GNSS Receiving circuit.	MAIN PCB

IC for oscillation circuit in TCXO (In the BT / WLAN / GNSS module)

*Change the TCXO oscillator circuit IC mounted in the BT / WLAN / GNSS module to a substitute.

Item	Original parts	After change	Remarks	
IC for oscillation circuit in TCXO	Manufacture	AKM	Seiko NPC	MAIN PCB
	Type	AK2170AJW	—	
	Operating temperature range	-40~+85°C	-40~+85°C	
	Frequency deviation	-40~+85°C : ±0.5ppm	-40~-20°C : ±2.0ppm -20~+85°C : ±0.5ppm	
Package	Package : 2.55x2.05mm 6 terminals	Package : 2.55x2.05mm 6 terminals		
				

2. Minor circuitry for non-transmitter portions, details as below. It is the optimization of the peripheral circuit due to the change of parts, no impact on RF characteristics.

	Parts name	Type	Circuit used	Mounted Board
①	Clock generator	AK8128MVPH-8-E2	For compressed music correction. Clock generation circuit.	Sub PCB
②	Audio transmitter	AK4103AVF-E2	For External Amplifier. SPDIF output circuit.	Audio PCB

Based on changes above, fully testing performed for all items. As for conducted signal, they are electrically identical as original.

Sincerely,

Uchigaki Yuichiro

By: General Manager, Car Multimedia Manufacturing B Department

(Signature/Title)

Yuichiro Uchigaki

(Print name)