



LG Electronics Inc.

222 LG-ro Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, 451-713, Korea.

28 August 2021

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

FCC Class II Permissive Change for FCC ID: BEJTM13LNNAHK1

This is to request a Class II permissive change for FCC ID: BEJTM13LNNAHK1, originally granted on March 10, 2017. Please refer to schematic difference for the both version file for more detailed information. The summarized change filed under this application is:

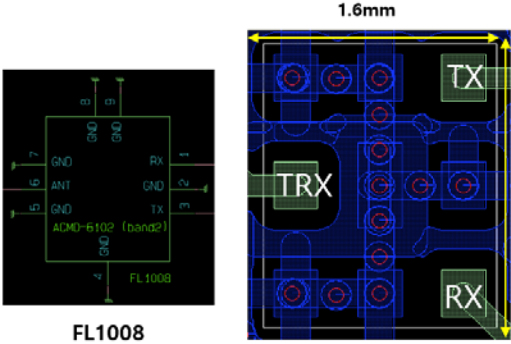
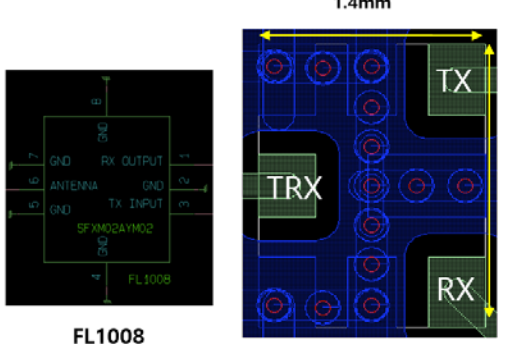
FCC : LTE Band 2(BC1) Duplexer change by EOL → Company change and size change

- Changed the outer size (2.0mm*1.6mm → 1.8mm*1.4mm) and the PIN LAND is different, so the PCB is modified
- Changed the PCB part number: EAX68048402 → EAX68048412
- Band2 Duplex: Broadcom → Wisol

The PCB are the same in the U.S. and Canada.

And we changed the part number simultaneously while changing the PCB and PCB Company due to the Duplexer change (different size).

For more detailed changes, Please see page 2.

Band2	Before Change	After Change
P/N	EAM64350101(ACMD-6102)	EAM64850001(SFXM02AYM02)
Size	2.0mm*1.6mm	1.8mm*1.4mm
Schematics and PCB	 <p>FL1008</p> <p>PCB layout</p>	 <p>FL1008</p> <p>PCB layout</p>
Change Point	Changed the outer size (2.0*1.6 → 1.8*1.4) and the PIN LAND is different, so the PCB is modified	

1) The requirements of § 2.1043 are fulfilled, i.e., the device's block functions for the fundamental frequency, primary modulator circuit, maximum power, or field strength ratings shall remain unchanged. -> Yes, the device's block functions for the fundamental frequency, primary modulator circuit, maximum power, or field strength ratings of this product does not change.

2) Transmitter PCB layout and parts changes are only permitted if there is no change in identifying a device's form, functional specification, as initially granted or previously approved under a Class II permissive change.

-> Yes, all of the device's form and functional specification are same as the initially granted model.

3) PCB changes are limited to non-substantive modifications layout changes to the same size physical circuit board previously granted.

-> Module PCB has not been changed but, Duplexer size is a little bit smaller than before.

4) C2PCPX is not permitted to add, remove, augment, or change capabilities, such as transmitters, increased bandwidth, additional rule parts, bands, etc.

-> Yes, this product has not added, removed, augmented, or changed capabilities, such as transmitters, increased bandwidth, additional rule parts, and bands



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5) In the PAG submission for item C2PCPX, the applicant shall provide complete information on testing demonstrating that the proposed changes for fundamental emissions are unchanged within the normal, acceptable tolerances and out-of-band; emissions do not exceed the appropriate limits. The PAG submission shall include all applicable test reports and internal photos.

->As a result of comparing the Radiated power in 2018/2021, there is no significant difference as follows and it is within the allowable tolerance category

Max power difference (2018-2021)

FCC	2018	2021	2021 - 2018	2018	2021	2021 - 2018
	Conducted Max Power(dBm)		Conducted Variation(dB)	Radiated Max Power(dBm)		Radiated Variation(dB)
CDMA BC1	24.68	24.24	-0.44	24.45	23.44	-1.01
LTE 2	23.93	23.42	-0.51	25.71	24.73	-0.98

6) The modified device shall not be marketed under the existing grant of certification before confirmation that the C2PCPX PAG is approved and granted.

-> Yes, we will not sell it according to the existing certification until the approval of the PAG is completed.

7) Software Defined Radio (SDR) grants that use the C2PCPX procedure are not permitted to make subsequent Class III permissive changes.

->Not Applicable.

8) The C2PCPX PAG procedure has no impact on the provisions of V) of this publication for non-SDR software-only changes; thus, adding an equipment class when related to rule changes is still permitted.

-> Not Applicable.

9) Class I permissive changes are not permitted³ under this C2PCPX procedure.

-> Yes, Our product will proceed with C2PC.



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*Conclusion: The device is still in compliance with the part 15 rule, then a Class II application is required.

Sincerely Yours,

A handwritten signature in black ink, appearing to be 'Sung Soo Kim'.

Name/Title : Sung Soo Kim / Director, NA Regulatory & Environmental Affairs
Company Name : LG Electronics Inc