

SAMSUNG

Date: Oct 1st, 2018

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

Attn: OET Dept.

Ref: FCC Class II Permissive change for FCC ID: A3LSIP007AFS00 (Original Grant date: 09/07/2016)
Applicant: Samsung Electronics Co., Ltd.

The major change filed under this application is:

- Change #1 UFL direct cable FPCB Antenna for Zigbee.
- Change #2 UFL to RP-SMA Cable + RP-SMA Plastic Antenna
- Change #3 Change Modular approval type from LMA to FMA
- Change #4 Output power of bands/modes are reduced to support new antenna gain:

	Frequency	Maximum patch antenna gain (antenna peak gain - cable loss) (Molex 146153-0050)	Maximum dipole antenna gain (antenna peak gain - cable loss) (Taoglas GW.71.5153)
WiFi	2400MHz	$2.56-0.37=2.19$	$3.2-0.37=2.83$
	5180MHz	$3.04-0.57=2.47$	$4.8-0.57=4.23$
	5320MHz	$3.49-1.6=1.89$	$4.7-1.6=3.1$
	5600MHz	$4.59-0.87=3.72$	$4.3-0.87=3.43$
	5800MHz	$4.87-1.0=3.87$	$4.0-1.0=3.0$
Zigbee	2400MHz	$2.56-0.37=2.19$	$3.2-0.37=2.83$

If you have any questions regarding this application, please feel free to contact me.
Sincerely yours,



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