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January 30, 2019

Application Examiner / Reviewing Engineer
Federal Communications Commission
7435 Oakland Mills Road
Columbia, MD 21046

To Whom It May Concern,

Class II permissive change

We, Samsung Electronics Co., Ltd request *Class II permissive change* since a authorized product (FCC ID : A3LMTP02P-41A) is added to operation modes below.
(Original Grant date: 06/14/2018)

- Change #1: NR 60MHz Channel Bandwidth 1Carrier
: 2.5W per 60MHz BW carrier
32 ports, 80 W total power
- Change #2: MMU Changed (Annex A in detail)
 - UVLO (Under Voltage Lockout) changed
 - VCXO for reference clock changed from 122.88 MHz to 30.72 MHz (Part Substitution)
- Change #3: Antenna Changed (Annex B in detail)
 - Remove isolation wall
 - Add shield can

There's no hardware-related change except changes #1 to #3.

If you have questions or need further information, please contact the undersigned.

Sincerely,

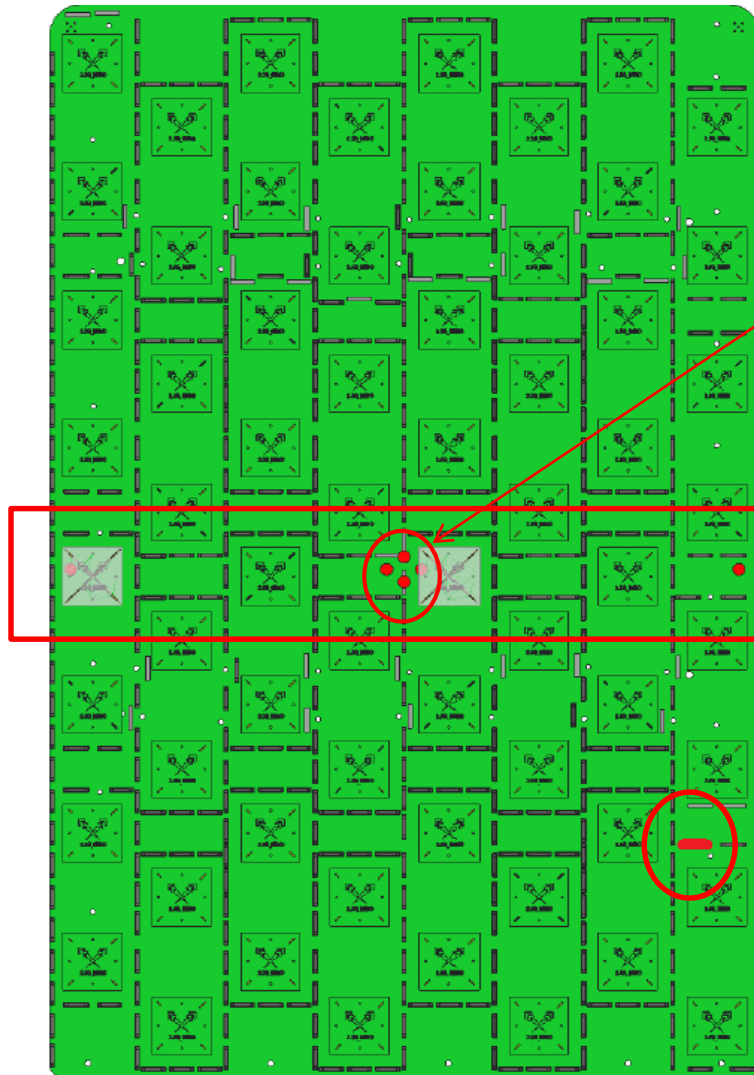
HWAN-YOUL KIM / Principal Research Engineer

SAMSUNG Electronics Co.,Ltd.

<Annex A> MMU Change

Change Point		Part Location	Before	After
For changing DrMOS UVLO	UVLO	R4784	20K ohm (2007-007312)	12.1K ohm (2007-007467)
		R4785	20K ohm (2007-007312)	12.1K ohm (2007-007467)
		R4786	20K ohm (2007-007312)	12.1K ohm (2007-007467)
For changing VCXO (122.88MHz → 30.72MHz)	VCXO	Y5	NDK社 122.88MHz (2806-001466)	EPSON 30.72MHz (2806-001471)
	PLL2	C5832	0.1nF (2203-000233)	0.027nF (2203-000679)
		C5834	2.2nF (2203-001397)	0.68nF (2203-005105)
		R4217	0.68Kohm (2007-008231)	2.7Kohm (2007-008117)
	CFPGA Version Strap	R5072	DNI	4.7Kohm (2007-007136)
		R5090	332ohm (2007-007788)	DNI

<Annex B> Antenna change (overview)



Remove Isolation wall

- ▶ 2 point (in circle box)
- ▶ To avoid colliding with shield can

Add Shield can

- ▶ 6 point (in square box)
- ▶ To shield interference signal

Remove Isolation wall

- ▶ 1 point (in circle box)
- ▶ To avoid colliding with radome boss