

Date: 7/18/2021

Description of Permissive Change

This is to request a Class II permissive change for FCC ID: MSQAX200NG , originally granted on 04/19/2019.

Modification:

-Change #1: Additional chassis added, ASUSTeK, model number: UN5401U, RN5401U, UN5401Q, RN5401Q

Models differences: All models are electrically identical, different model names are for marketing purpose.

-Change #2: Reduces WIFI output power through BIOS that cannot be changed by end user and SAR were evaluated accordingly.

-Change #3: Adds new antennas that meet FCC Part 15 equivalent-type

The antenna information is listed as below.

Antenna list:

Antenna Source	ANT	Manufacturer	Part No. (Vendor)	Type	Frequency	Max. Gain(dBi)	
						NB	PAD
1	Chain A	AWAN	AML6Y-100118	PIFA Antenna	2402 - 2480	0.74	-1.40
					5150 - 5250	3.26	-0.30
					5250 - 5350	3.26	-0.20
					5470 - 5725	3.12	1.48
					5725 - 5850	3.78	1.87
	Chain B	AWAN	AML6Y-100117	PIFA Antenna	2402 - 2480	-0.49	-1.09
					5150 - 5250	3.29	2.21
					5250 - 5350	3.39	1.89
					5470 - 5725	4.03	2.83
					5725 - 5850	4.23	3.07
2	Chain A	INPAQ	MDA-LE-01-002	PIFA Antenna	2402 - 2480	2.01	-0.90
					5150 - 5250	3.60	0.60
					5250 - 5350	3.54	0.65
					5470 - 5725	4.76	3.16
					5725 - 5850	4.89	3.30
	Chain B	INPAQ	MDA-LE-02-002	PIFA Antenna	2402 - 2480	1.59	-0.34
					5150 - 5250	3.54	3.65
					5250 - 5350	3.67	3.12
					5470 - 5725	4.13	3.05
					5725 - 5850	4.24	3.78

Note :

1. Antenna Source 2 (INPAQ) gain is the worst case. Hence it is regarded as the initial configuration, and then tested and recorded in this report.
2. Antenna Source 1 (AWAN) and Antenna Source 2 (INPAQ) are the same type of antenna, only different in manufacturer.
3. The Chain A is connected to AUX port / Chain B is connected to Main port of module.

The modules mentioned above has been approved and is electronically and mechanically identical to the original instructions and requirements.

Except for the changes mentioned above, no other modification is performed.

A handwritten signature in black ink, appearing to read "Amanda WU", is positioned above a horizontal line.

Amanda WU / Senior Specialist
Bureau Veritas CPS (H.K.) Ltd., Taoyuan Branch
Tel: 886-3-264-1929
Email: amanda.wu@bureauveritas.com