

ASUSTeK Computer Inc

1F., No. 15, Lide Rd., Beitou Dist., Taipei City 112, Taiwan

Class II Permissive Change Letter

DATE : 2024/4/17

To Whom It May Concern:

The purpose of this letter is to request Class II Permissive Change for:

FCC ID: **MSQFM101GL**

Original Grant Date: **08/03/2022**

Pursuant to CFR 2.1043, (**ASUSTeK Computer Inc**) hereby requests a Class II Permissive Change. Modification:

-Change #1: Additional chassis added, ASUSTeK,
model number: CZ1104CM2, CZ1104FM2, CZ1204CM2, CZ1204FM2

Models differences:

Model number	LCD size	flip angle of panel	Stylus pen
CZ1104CM2	11"	180 degree	X
CZ1104FM2		360 degree	O(optional)
CZ1204CM2	12"	180 degree	X
CZ1204FM2		360 degree	O(optional)

- The different between the CZ1204 series and CZ1104 series is LCD size.
- All models are electrically identical (including the dimensions, antenna location and RF electrically identical are the same.), different model names and SKU are for marketing purpose.

-Change #2: This filing also addresses co-location with WLAN, BT module FCC ID: RAS-MT7921

-Change #3: Add two antennas to WWAN module which have the same antenna's type (PIFA) with original grant, and each antenna gain is lower than the original application, only different in manufacturer.

The antenna information is list as below (Appendix A).

Thank you for your attention in this matter.

Best Regards,

Name / Title : Jackson Yen / Associate Vice President
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Signature :



Appendix A _Antenna Information

Antenna Source	ANT	Manufacturer	Part No. (Vendor)	Type	Frequency (MHz)	Max. Gain (dBi)	
						NB	PAD
1	Chain 0	INPAQ	HQ26003000230 (WA-F-LE-03-002)	PIFA Antenna	2402 - 2480	2.94	2.66
					5150 - 5250	3.2	3.2
					5250 - 5350	3.2	2.98
					5470 - 5725	3.98	2.54
					5725 - 5850	3.85	3.78
	Chain 1	INPAQ	HQ26003000240 (WA-F-LE-01-009)	PIFA Antenna	2402 - 2480	1.51	1.41
					5150 - 5250	2.6	1.46
					5250 - 5350	2.6	1.72
					5470 - 5725	2.23	1.91
					5725 - 5850	2.74	1.77
2	Chain 0	INNOWAVE	F001C8712190002	PIFA Antenna	2402 - 2480	2.72	2.46
					5150 - 5250	2.56	3.09
					5250 - 5350	2.85	2.72
					5470 - 5725	2.6	2.35
					5725 - 5850	2.78	3.36
	Chain 1	INNOWAVE	F001C8711590001	PIFA Antenna	2402 - 2480	1.46	1.13
					5150 - 5250	1.33	1.25
					5250 - 5350	1.24	1.47
					5470 - 5725	1.59	1.82
					5725 - 5850	1.61	1.51

Note :

1. Antenna Source 1 (INPAQ antenna) and Antenna Source 2 (INNOWAVE antenna) are the same type of antenna, only different in manufacturer.
2. The Chain 0 is connected to Main port / Chain 1 is connected to AUX port of module.

Antenna Source	ANT	Manufacturer	Part No. (Vendor)	Type	Frequency (MHz)	Max. Gain(dBi)	
						NB	PAD
1	Chain 0	INPAQ	WA-F-S6G1-02-025	PIFA Antenna	B2(1850-1910)	-1.66	0.27
					B4(1710-1755)	-0.56	2.04
					B5(824-849)	-1.22	-3.34
					B7(2500-2570)	2.67	1.12
					B12(699-716)	-0.83	-4.67
					B13(777-787)	-1.11	-3.76
					B14(788-798)	-1.24	-4.68
					B25(1850-1915)	-1.51	1.25
					B26(814-849)	-0.98	-3.34
					B30(2307-2313)	1.98	2.75
					B38(2570-2620)	2.74	0.68
					B41(2496-2690)	2.78	1.09
					B66(1710-1780)	-1.01	1.72
					B71(665.5-695.5)	-1.20	-4.67
	Chain 1	INPAQ	WA-F-S6G1-03-002	PIFA Antenna	B2(1850-1910)	NA	NA
					B4(1710-1755)	NA	NA
					B5(824-849)	NA	NA
					B7(2500-2570)	NA	NA
					B12(699-716)	NA	NA
					B13(777-787)	NA	NA
					B14(788-798)	NA	NA
					B25(1850-1915)	NA	NA
					B26(814-849)	NA	NA
					B30(2307-2313)	NA	NA
					B38(2570-2620)	NA	NA
					B41(2496-2690)	NA	NA
B66(1710-1780)	NA	NA					
B71(665.5-695.5)	NA	NA					

Antenna Source	ANT	Manufacturer	Part No. (Vendor)	Type	Frequency (MHz)	Max. Gain(dBi)	
						NB	PAD
2	Chain 0	INNOWAVE	F001C8712190001	Monopole Antenna	B2(1850-1910)	0.27	-2.34
					B4(1710-1755)	1.01	-0.09
					B5(824-849)	0.42	-4.84
					B7(2500-2570)	1.77	0.73
					B12(699-716)	-0.91	-4.66
					B13(777-787)	-0.34	-5.12
					B14(788-798)	-0.57	-5.77
					B25(1850-1915)	0.47	-2.34
					B26(814-849)	0.42	-4.69
					B30(2307-2313)	1.47	1.88
					B38(2570-2620)	1.70	0.93
					B41(2496-2690)	1.37	0.80
					B66(1710-1780)	1.05	-0.22
					B71(665.5-695.5)	-1.15	-5.86
	Chain 1	INNOWAVE	F001C8712590001	Monopole Antenna	B2(1850-1910)	NA	NA
					B4(1710-1755)	NA	NA
					B5(824-849)	NA	NA
					B7(2500-2570)	NA	NA
					B12(699-716)	NA	NA
					B13(777-787)	NA	NA
					B14(788-798)	NA	NA
					B25(1850-1915)	NA	NA
					B26(814-849)	NA	NA
					B30(2307-2313)	NA	NA
					B38(2570-2620)	NA	NA
					B41(2496-2690)	NA	NA
B66(1710-1780)	NA	NA					
B71(665.5-695.5)	NA	NA					
<p>Note :</p> <ol style="list-style-type: none"> Antenna Source 1 (INPAQ antenna) and Antenna Source 2 (INNOWAVE antenna) are the same type of antenna, only different in manufacturer. The Chain 0 is connected to Main port / Chain 1 is connected to AUX port of module. 							