

Statement and explanations

The host EC-01 (FCC ID: **2BM4513EA**) is a new product with two certified module RM520N-GL (Module ID: XMR2023RM520NGL; Grant Date: 07/11/2023) and RTL8852CE (Module ID: TX2-RTL8852CE; Grant Date: 11/21/2022). The referenced certified module report number is: SEWM2304000122RG01/ SEWM2304000122RG02/ ZEWM2306000841RG01/ ZEWM2306000841RG03/ FR1N0223AA/ FR1N0223AB/ FR1N0223-01/ FZ1N0223.

This RM520N-GL module is a single modular and it was integrated into the host that not any effect on RF performance. Boomwave Test (Shenzhen) Co., Ltd. have performed MPE for the host and the ERP/EIRP and RSE re-tested. Please refer to the lab test results accordingly.

The module RM520N-GL supports WCDMA B2/ 4/ 5 and LTE B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B30/B38/B41/B42/B43/B48/B66/B71 and 5G NR n2/n5/n7/n12/n13/n14/n25/n26/n30/n38/n41/n48/n66/n70/n71/n77/n78, but the host with the integrated module RM520N-GL supports LTE B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B30/B38/B42/B43/B48 and 5G NR n2/n5/n7/n12/n25//n26/n30/n38/n41/n77/n78, it disable other bands by software.

This RTL8852CE module is a single modular and it was integrated into the host that not any effect on RF performance. Boomwave Test (Shenzhen) Co., Ltd. have performed MPE for the host (WLAN 2.4GHz/ 5GHz/ 6GHz) and the AC Power Conducted Emission and Radiated Emissions re-tested. Please refer to the lab test results accordingly.

Consequently, Radio test data retrieved from the initial application FCC ID: XMR2023RM520NGL and FCC ID: TX2-RTL8852CE can be re-used for the FCC ID: **2BM4513EA**.

Spot check test data are described as below:

FCC Rule Part	Frequency Band	Re-test items
FCC Part 22	LTE B5/ B26, 5G NR n5/ n26	Effective Radiated Power, Radiated spurious emissions
FCC Part 24	LTE B2/ B25, 5G NR n2/ n25	Equivalent Isotropic Radiated power, Radiated spurious emissions

FCC part 27	LTE B4/B7/B12/B13/B17/B30/B38/B42/B43, 5G NR n7/n12/n30/n38/n41/n77/n78	Effective Radiated power, Equivalent Isotropic Radiated power, Radiated spurious emissions
FCC part 96	LTE B48	Equivalent Isotropic Radiated power, Radiated spurious emissions
FCC part 90	LTE B14/B26, 5G NR n26	Effective Radiated Power, Radiated spurious emissions
FCC part 15.247	2412-2462MHz for 802.11b/g/n(HT 20/40)/ac(VHT 20/40)/ax(HE20/40)/ ax(20M RU FULL)/ ax(40M RU FULL)	Conducted emission, Radiated spurious emissions
FCC part 15.407	5180~5240MHz, 5260~5320MHz 5500~5720MHz, 5745~5825MHz for 802.11a/ n(HT20/40)/ac(VHT 20/40/80) / ax(HE20/40/80)/ ax(20M FULL RU)/ ax(40M FULL RU)/ ax(80M FULL RU)	Conducted emission, Radiated spurious emissions

Should you have any question or comment regarding this matter, please have my best attention.

Sincerely yours,

Connor Poole .

Name: Connor Poole

Astronomy Data Processing Corporation

Tel: (858)224-3241

Fax: N/A

E-mail: connor@oursky.ai