Thundercomm Technology Co., Ltd
No. 107, Middle Datagu Road, Xiantao Street, Yubei District, Chongqing, China, 401122

Date: **November 21, 2023**

Statement and explanations

The host EB5S (FCC ID: **2AOHHEB5S**) is a new product with one certified WWAN module RM520N-GL (Module ID: XMR2022RM520NGL; Grant Date: 08/31/2022) and one certified WLAN module C865C (Module ID: 2AOHHTURBOXC865C; Grant Date: 05/30/2022) integrated.

1. The referenced RM520N-GL module report number is: SEWA2204000008RG01, SEWA2204000008RG02, SEWA2204000008RG03, SEWA2204000008RG04, FYCR220600021101, KSCR220700130701, FYCR220600021102, KSCR220700130702, SEWA2204000008RG09.

RM520N-GL module is a single modular and it was integrated into the host that not any effect on RF performance. Bureau Veritas 7Layers Communications Technology (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 supports WCDMA B2, B4, B5. LTE B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B30, B38, B41, B42, B43, B48, B66, B71. 5G NR n2, n5, n7, n12, n13, n14, n25, n26, n30, n38, n41, n48, n66, n70, n71, n77, n78. GNSS(BDS+Galileo+GLONASS+GPS+SBAS). Module supports CA:
UL CA_2C, UL CA_5B, UL CA_7C, UL CA_38C, UL CA_41C, UL CA_43C, UL CA_66C, UL CA_66B, UL CA_48C, UL CA_42C; UL CA_2A-4A; UL CA_2A-5A; UL CA_2A-7A; UL CA_2A-12A; UL CA_2A-13A; UL CA_2A-30A; ULCA_2A-66A;UL CA_4A-5A; UL CA_4A-7A; UL CA_4A-12A; UL CA_4A- 13A;UL CA_4A-30A; ULCA_5A-7A;UL CA_5A-30A; UL CA_5A-66A;UL CA_12A-30A; UL CA_12A-66A; UL CA_13A-66A; ULCA_14A-30A;
ENDC:
DC_13A_n66A;DC_5A_n2A;DC_14A_n2A;DC_30A_n2A;DC_2A.n5A;
DC_30A_n5A;DC_66A_n5A;DC_2A_n12A;DC_66A_n12A;DC_2A_n66A;
DC_5A_n66A;DC_12A_n66A;DC_14A_n66A;DC_30A_n66A;DC_12A_n2A;
DC_66A_n2A;DC_71A_n2A;DC_12A_n41A;DC_71A_n66A;DC_2A_n71A;
DC_66A_n71A;DC_66A_n25A;DC_25A_n41A;DC_12A_n78A;DC_13A_n78A;
DC_25A_n78A;DC_12A_n77A;DC_13A_n77A;DC_14A_n77A;DC_26A_n78A;
DC_2A_n78A;DC_26A_n41A;DC_2A_n41A;DC_7A_n5A;DC_38A_n78A;
DC_7A_n71A;DC_41A_n78A;DC_5A_n7A;DC_12A_n7A;DC_66A_n7A;
DC_13A_n2A;DC_48A_n5A;DC_48A_n66A;DC_7A_n66A;DC_2A_n48A;
DC_5A_n48A;DC_13A_n48A;DC_66A_n48A;DC_4A_n78A;DC_20A_n77A;
DC_5A_n78A;DC_4A_n41A;DC_66A_n38A;DC_2A_n38A;DC_12A_n38A;
DC_4A_n38A;DC_5A_n38A;DC_66A_n78A;DC_12A_n25A;DC_25A_n77A;
DC_2A_n77A;DC_71A_n78A;DC_71A_n38A;DC_13A_n7A;DC_5A_n41A;
DC_66A_n41A;DC_2A_n7A;DC_7A_n2A;DC_5A_n40A;DC_30A_n77A;
DC_41A_n77A;DC_7A_n78A;DC_48A_n25A;DC_66A_n28A;DC_71A_n41A;

DC_28A_n66A;DC_30A_n12A;DC_2A_n14A;DC_30A_n14A;DC_66A_n14A;
DC_2A_n30A;DC_5A_n30A;DC_12A_n30A;DC_14A_n30A;DC_66A_n30A;
DC_71A_n7A;DC_7A_n12A;DC_5A_n77A;DC_66A_n77A;DC_71A_n77A;
DC_4A_n2A;DC_7A_n25A;DC_71A_n25A;DC_5A_n25A;DC_26A_n25A;
DC_4A_n7A;DC_13A_n25A;DC_7A_n77A;DC_48A_n71A;DC_48A_n12A;
NR UL CA:
n25A-n41A;n41A-n66A;n41A-n71A;n7A-n78A;n5A-n78A;n66A-n78A;n7A-n77A;n2A-n77A;n5A-n77A;n66A-n77A;n30A-n77A;n48A-n66A;n2A-n48A;n5A-n48A;n48A-n70A;n48A-n71A;n71A-n77A;n71A-n78A;n25A-n78A;n38A-n66A;n25A-n48A;n25A-n77A;n25A-n38A;n13A-n77A.

but the host with the integrated module RM520N-GL doesn't supports NR UL CA (n25A-n41A;n41A-n66A;n41A-n71A;n7A-n78A;n5A-n78A;n66A-n78A;n7A-n77A;n2A-n77A;n5A-n77A;n66A-n77A;n30A-n77A;n48A-n66A;n2A-n48A;n5A-n48A;n48A-n70A;n48A-n71A;n71A-n77A;n71A-n78A;n25A-n78A;n38A-n66A;n25A-n48A;n25A-n77A;n25A-n38A;n13A-n77A) it disable other bands by software.

Consequently, Radio test data retrieved from the initial application XMR2022RM520NGL.

Spot check test data are described as below:

FCC Rule Part	Frequency Band	Re-test items
FCC Part 22	WCDMA 5 LTE B5/B26 5GNR SA/NSA n5/n26	Conducted output power Effective Radiated Power Radiated spurious emissions
FCC Part 24	WCDMA 2 LTE B2/B25 5GNR SA/NSA n2/n25	Conducted output power Equivalent Isotropic Radiated power Radiated spurious emissions
FCC part 27	WCDMA 4 LTE B4//B7/B12/B13/B17/B30/B38/B41/B66/B71 5GNR SA/NSA n7/n12/n13/n14/n30/n38/n41/n66/n70/n71/n77/n78	Conducted output power Equivalent Radiated power and Radiated spurious emissions
FCC part 90	LTE B14/B26	Conducted output

	5G NR SA/NSA n14/n26	power Equivalent Isotropic Radiated power Radiated spurious emissions
FCC part 96	LTE B42/B43/B48 5G NR SA/NSA n48	Conducted output power Equivalent Isotropic Radiated power Radiated spurious emissions

2. The referenced WLAN C865C module report number is: SZ22110114S01, SZ22110114W03, SZ22110114W04, SZ22110114W05.

C865C module is a single modular and it was integrated into the host that not any effect on RF performance. Bureau Veritas 7Layers Communications Technology (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 supports
WIFI 2.4G: 802.11b, 802.11g, 802.11n (HT20), 802.11n (HT40), 802.11ax (HEW20), 802.11ax (HEW40)
WIFI 5G: 802.11a, 802.11n (HT20), 802.11n (HT40), 802.11ac (VHT20), 802.11ac (VHT40),802.11ac (VHT80), 802.11ax (HEW20), 802.11ax (HEW40),802.11ax (HEW80)
Consequently, Radio test data retrieved from the initial application 2AOHHTURBOXC865C.

Spot check test data are described as below:

FCC Rule Part	Frequency Band	Re-test items
FCC Part 15C	2412MHz-2462MHz	Conducted output power Effective Radiated Power Radiated spurious emissions
FCC Part 15E	5180MHz-5240MHz; 5260MHz-5320MHz; 5500MHz-5720MHz; 5745MHz-5825MHz	Conducted output power Equivalent Isotropic Radiated power Radiated spurious emissions

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

Sincerely yours,

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