

Date: September 8, 2023

## **Statement and explanations**

The host 90X1 (FCC ID: **2AJLF-90X1**) is a new product with one certified module RM520N-GL (Module ID: XMR2022RM520NGL; Grant Date: 08/31/2022) integrated.

The referenced 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; UL CA\_2A-66A; UL CA\_4A-5A; UL CA\_4A-7A; UL CA\_4A-12A; UL CA\_4A-13A; UL CA\_4A-30A; UL CA\_5A-7A; UL CA\_5A-30A; UL CA\_5A-66A; UL CA\_12A-30A; UL CA\_12A-66A; UL CA\_13A-66A; UL CA\_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;

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

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|             |                                     |                                                                                                       |
|-------------|-------------------------------------|-------------------------------------------------------------------------------------------------------|
|             |                                     | emissions                                                                                             |
| FCC part 96 | LTE B42/B43/B48<br>5G NR SA/NSA n48 | Conducted output<br>power<br>Equivalent Isotropic<br>Radiated power<br>Radiated spurious<br>emissions |

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

Sincerely yours,



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