

Date: 2024/10/11

Federal Communications Commission

Authorization and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

Attn: OET Dept.

Ref: FCC new Grants for FCC ID: 2AU8HSRL620

Applicant: Smawave Technology Co. ,Ltd

Dear Examiner,

This device contains a certified module which is FCC ID: XMR2023RG520NNA, Grant date: 2023/05/04

The major change filed under this module under host is:

1. Antenna change

| Different    | module                                                                                                                                                   | Host                                                                                                                                                     |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model        | RG520N-NA                                                                                                                                                | SRL620                                                                                                                                                   |
| Band         | LTE Band 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30, 38, 41, 48, 66, 71<br>5G NR n2, n5, n7, n12, n13, n14, n25, n26, n30, n38, n41, n48, n66, n71, n77, n78 | LTE Band 2, 4, 5, 7, 12, 13, 14, 17, 25, 26, 30, 38, 41, 48, 66, 71<br>5G NR n2, n5, n7, n12, n13, n14, n25, n26, n30, n38, n41, n48, n66, n71, n77, n78 |
| Product name | 5G module                                                                                                                                                | Outdoor CPE                                                                                                                                              |

Antenna  
Gain

| Technology | Frequency Range (MHz)      | Antenna Type | Max Peak Gain (dBi) |
|------------|----------------------------|--------------|---------------------|
| Band 2     | 1850 ~ 1910                | Dipole       | 1.37                |
| Band 4     | 1710 ~ 1755                |              | 1.37                |
| Band 5     | 824 ~ 849                  |              | 1.18                |
| Band 7     | 2500 ~ 2570                |              | 2.07                |
| Band 12    | 699 ~ 716                  |              | 1.18                |
| Band 13    | 777 ~ 787                  |              | 1.18                |
| Band 14    | 788 ~ 798                  |              | 1.18                |
| Band 17    | 704~ 716                   |              | 1.18                |
| Band 25    | 1850 ~ 1915                |              | 1.37                |
| Band 26    | 814~849                    |              | 1.18                |
| Band 30    | 2305 ~ 2315                |              | 1.11                |
| Band 38    | 2570 ~ 2620                |              | 2.07                |
| Band 41    | 2496 ~ 2690                |              | 2.07                |
| Band 48    | 3550 ~ 3700                |              | 0.58                |
| Band 66    | 1710 ~ 1780                |              | 1.37                |
| Band 71    | 663 ~ 696                  |              | 1.18                |
| Band 77    | 3450 ~ 3550<br>3700 ~ 3960 |              | 0.58                |
| Band 78    | 3300 ~ 3800                |              | 0.58                |

| Band        | Antenna Gain (dBi) |
|-------------|--------------------|
| LTE Band 2  | 5.5                |
| LTE Band 4  | 5.0                |
| LTE Band 5  | 3.0                |
| LTE Band 7  | 5.0                |
| LTE Band 12 | 2.5                |
| LTE Band 13 | 2.5                |
| LTE Band 14 | 3.0                |
| LTE Band 17 | 2.0                |
| LTE Band 25 | 5.5                |
| LTE Band 26 | 3.0                |
| LTE Band 30 | 6.0                |
| LTE Band 38 | 5.0                |
| LTE Band 41 | 5.0                |
| LTE Band 48 | 13.0               |
| LTE Band 66 | 5.0                |
| LTE Band 71 | 2.0                |
| NR Band n2  | 5.5                |
| NR Band n5  | 3.0                |
| NR Band n7  | 5.0                |
| NR Band n12 | 2.5                |
| NR Band n13 | 2.5                |
| NR Band n14 | 3.0                |
| NR Band n25 | 5.5                |
| NR Band n26 | 3.0                |
| NR Band n30 | 6.0                |
| NR Band n38 | 5.0                |
| NR Band n41 | 5.0                |
| NR Band n48 | 13.0               |
| NR Band n66 | 5.0                |
| NR Band n71 | 2.0                |
| NR Band n77 | 13.0               |

|  |  |  |             |      |  |
|--|--|--|-------------|------|--|
|  |  |  | NR Band n78 | 13.0 |  |
|--|--|--|-------------|------|--|

2. There were no hardware changes to the module
3. Software security remains unchanged form original application
4. No change the Tune up.
5. Test report data clarification

| Description                                                                                                                                               | Original test reports No.:                                                                                                                                                                | Testing Data                                                            | Remark                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| FCC Part15B Report<br>Report No.: R2408A1140-E1                                                                                                           | N/A                                                                                                                                                                                       | Full testing                                                            | N/A                                                                                                                                                                                                       |
| FCC LTE/5GNR Test Report<br>Report No.:<br>R2408A1140-R1V2<br>R2408A1140-R2V2<br>R2408A1140-R3V2<br>R2408A1140-R4V2<br>R2408A1140-R5V2<br>R2408A1140-R6V2 | 2303RSU050-U1<br>2303RSU050-U2<br>2303RSU050-U3<br>2303RSU050-U4<br>2303RSU050-U5<br>2303RSU050-U6<br>2303RSU050-U7<br>2303RSU050-U8<br>2303RSU050-U9<br>2303RSU050-U10<br>2303RSU050-U11 | Add full test:Output<br>Power/EIRP<br><br>Radiated Spurious<br>Emission | Based on the module difference<br>description, Frequency Stability,<br>Occupied Bandwidth, Emission<br>Bandwidth, band edge and<br>Conducted Spurious Emission are<br>evaluated refer to original reports |
| MPE Test Report<br>Report No.: R2408A1140-M1                                                                                                              | N/A                                                                                                                                                                                       | Full Evaluate                                                           | Reevaluation of individually and<br>simultaneously launched MPEs based<br>on validation and test results                                                                                                  |
| CBSD Report<br>FG482207A_R01<br>FG482207B_R01                                                                                                             | N/A                                                                                                                                                                                       | Full testing                                                            | N/A                                                                                                                                                                                                       |

## CONCLUSION

This radio device continues to meet all FCC standard requirements.

Please contact me if you have any questions or need further information regarding this application.

Sincerely,



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Signature

Date:2024/11/2

Printed Name of Signee:

Company: Smawave Technology Co. ,Ltd

Address: 2/F, Building 8, 1001 North Qinzhou Road, Xuhui District, Shanghai, China

Email: xing.chen@smawave.com