Date: 2024/12/20

Federal Communications Commission

Authorization and Evaluation Devision

7435 Oakland Mills Road

Columbia, MD 21046

Attn: OET Dept.

Ref: FCC new Grants for FCC ID: 2AU8HSRD221-B

Applicant: Smawave Technology Co. ,Ltd

Dear Examiner,

The host SRD221-b (FCC ID: 2AU8HSRD221-B) is a new product that integrates two certified modules:

Module 1 (GCM6201NA (Module FCC ID: 2ALIY-GCM6201NA). Grant date: 18 December 2024).

This module1(Module FCC ID: 2ALIY-GCM6201NA) is a single modular and it was integrated into the host that not any effect on RF performance. The host SRD221-b frequency band information remains consistent with the module

Module 2 (LBAD0XX1SC-DM (Module FCC ID: HSW-TY1SCDM). Grant date: 27 September 2024).

Module 2 (FCC ID: HSW-TY1SCDM) is a standalone module that does not affect RF performance when integrated into the host. The SRD221-b host only reserves the NTN B255 band for this module, and the remaining bands are all software-disabled.

1. Antenna change

Different	Module1	Module2	Host
	FCC ID: 2ALIY-GCM6201NA	FCC ID: HSW-TY1SCDM	FCC ID: 2AU8HSRD221-B
Model	GCM6201NA	LBAD0XX1SC-DM	SRD221-b
Band	LTE B24/54 NTN B255	CAT M1: B2/4/5/12/13/14/17/25/26/66/71 NB iot: B2/4/5/12/13/17/25/26 NTN :B23/255/256	LTE B24/54 (from Module1) Module 1: Software shutdown for other frequency bands NTN B255(from Module2) Module 2: Software shutdown for other frequency bands

Product name	LTE Module	Type 1SC	Cat4 indoor CPE
Antenna Gain	LTE B24: 4dBi LTE B54: 4dBi NTN B255: 4dBi	CAT M1: B2/25:10dBi B4:7dBi B5: 17.6 dBi B12/13/14/17:13.92 dBi B26:15.45 dBi B66:5.5 dBi B71:12.42 dBi NB iot: B2:10dBi B4:7 dBi B5:17.6 dBi B12/13/17:12.92 dBi B25:11 dBi B26:16.6 dBi NTN B23/255/256:29.83 dBi	LTE B24: 3.24dBi LTE B54: 3.24dBi NB-NTN B255: 1.97dBi

2. There were no hardware changes to the module
3. Software security remains unchanged from original module applicant
4. No change the Tune up.

In addition to the specifications of the above module, the host SRD221-b (FCC ID: 2AU8HSRD221-B) has added Wi-Fi 2.4G functionality

Test report data clarification

Standard	Original test reports No.:	Testing Data	Remark
FCC Part15B Report No.: 24B0779R-IT-US-P01V01	N/A	Full testing	N/A
FCC Part15.247 Wi-Fi 2.4G Report Report No.: 24B0779R-RF-US-P06V01	N/A	Full testing	N/A
FCC Part 25 (LTE B24) Report No.: 24B0779R-RF-US-P07V01	HCT-RF-2409-FC014-R1	Add full test: EIRP/Radiated Spurious Emission	Based on the module difference description, Frequency Stability, Occupied Bandwidth, Emission Bandwidth, band edge and Conducted Spurious Emission are evaluated refer to original reports

FCC Part 27(LTE B54) Report No.: 24B0779R-RF-US-P07V02	HCT-RF-2409-FC015	Add full test: EIRP/Radiated Spurious Emission	Based on the module difference description, Frequency Stability, Occupied Bandwidth, Emission Bandwidth, band edge and Conducted Spurious Emission are evaluated refer to original reports
FCC Part 25(NTN B255) Report No. 24B0779R-RF-US-P07V03	TERF2406001815E2	Add full test: EIRP/Radiated Spurious Emission	Based on the module difference description, Frequency Stability, Occupied Bandwidth, Emission Bandwidth, band edge ,Emission mask, Carrier-off state emission and Conducted Spurious Emission are evaluated refer to original reports
FCC Part 2.1091 Report No.: 24B0779R-RF-US-P20V01	N/A	Full Evaluate	Reevaluation of individually and simultaneously launched MPEs based on validation and test results

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,

Date:
2024/12/20

Signature

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