

# Statement

We **Quectel Wireless Solutions Co., Ltd** declare the following models.

**Product Name:** 5G Redcap Sub-6 GHz LGA Module

**Model Number:** RG255G-NA

**FCC ID:** XMR2026RG255GNA

**ISED Certification Number:** 10224A-026RG255GNA

**Hardware Version:** R1.0

RG255G-NA has two versions, one is the with GNSS version that uses 3 antennas, the other is without GNSS version that uses 2 antennas. They both use MT6813 chipset, share the same chipset baseline and hardware design.

The difference is with GNSS version supports GNSS L1&L5 in ANT\_GNSS port, but without GNSS version remove related components of GNSS L1&L5.

And for the RG255G-NA without GNSS version, it has three packaged types: LGA, MINIPCIIE and M.2. They have the same frequency and share the same software & hardware design. MINIPCIIE is make up with RG255G-NA LGA module and PCIe carrier board. M.2 is make up with RG255G-NA LGA module and M.2 carrier board. There is no any other internal changes in RG255G-NA module.

Please refer to following.

| Module                      | Package Type            | PMN FVIN                                   | Frequency                                                                                                                                                                                  |
|-----------------------------|-------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RG255G-NA<br>(with GNSS)    | LGA                     | QUECTEL RG255G-NA<br>RG255GNA00AAR01A02M21 | LTE-FDD: B2/4/5/7/12/13/14/17/25/26/30/66/71<br>LTE-TDD: B38/41/42/43/48<br>5G-NR FDD: n2/5/7/12/13/14/25/26/30/66/71/85<br>5G-NR TDD: n38/41/48/77/78<br><b>Dual-band GNSS: L1 and L5</b> |
| RG255G-NA<br>(without GNSS) | LGA<br>MINIPCIIE<br>M.2 | RG255G-NA<br>RG255GNA00ABR01A02M21         | LTE-FDD: B2/4/5/7/12/13/14/17/25/26/30/66/71<br>LTE-TDD: B38/41/42/43/48<br>5G-NR FDD: n2/5/7/12/13/14/25/26/30/66/71/85<br>5G-NR TDD: n38/41/48/77/78                                     |

## ● HW Difference Table

| Designator   | RG255G-NA (with GNSS)<br>(Part Description) | RG255G-NA (without GNSS)<br>(Part Description) |
|--------------|---------------------------------------------|------------------------------------------------|
| U2601, U2603 | IC RF LNA GNSS L1/L5 1.1x0.7mm H0.4m RO     | NM                                             |

|       |                                                                                 |    |
|-------|---------------------------------------------------------------------------------|----|
| U1201 | IC BB GNSS AG3335MV/B 73-BGA 0.4pitch 3.8x4.2mm<br>H0.86mm RO                   | NM |
| U2602 | IC RF DIPX LB:1166.22-1186.68MHz HB:1574.39-1605.8<br>9MHz 1.5x1.1mm H0.65mm RO | NM |
| X1201 | CRY TCXO 26MHz +/-0.5ppm 1.8V PINS4 2.0x1.6mm<br>H0.8mm RO                      | NM |

● **ANT Mapping Difference Table**

| ANT Mapping | RG255G-NA (with GNSS)                                                                                                                                              | RG255G-NA (without GNSS)                                                                                                                                           |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ANT_MAIN    | LTE-FDD:<br>B2/4/5/7/12/13/14/17/25/26/30/66/71<br>LTE-TDD:<br>B38/41/42/43/48<br>5G-NR FDD:<br>n2/5/7/12/13/14/25/26/30/66/71/85<br>5G-NR TDD:<br>n38/41/48/77/78 | LTE-FDD:<br>B2/4/5/7/12/13/14/17/25/26/30/66/71<br>LTE-TDD:<br>B38/41/42/43/48<br>5G-NR FDD:<br>n2/5/7/12/13/14/25/26/30/66/71/85<br>5G-NR TDD:<br>n38/41/48/77/78 |
| ANT_DIV     | LTE-FDD:<br>B2/4/5/7/12/13/14/17/25/26/30/66/71<br>LTE-TDD:<br>B38/41/42/43/48<br>5G-NR FDD:<br>n2/5/7/12/13/14/25/26/30/66/71/85<br>5G-NR TDD:<br>n38/41/48/77/78 | LTE-FDD:<br>B2/4/5/7/12/13/14/17/25/26/30/66/71<br>LTE-TDD:<br>B38/41/42/43/48<br>5G-NR FDD:<br>n2/5/7/12/13/14/25/26/30/66/71/85<br>5G-NR TDD:<br>n38/41/48/77/78 |
| ANT_GNSS    | Dual-band GNSS: L1 and L5                                                                                                                                          | NM                                                                                                                                                                 |

The change will not impact RF performance for the same frequency bands and do not affect testing results.

Person responsible for making this statement.

**Name/Surname: Jean Hu**



**Issue Date:** July 27, 2026

**Position/Title:** Certification Manager