

Statement

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

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

Model Number: RG255G-GL, RG255G-NA

FCC ID: XMR2026RG255GGL, XMR2026RG255GNA

ISED Certification Number: 10224A-026RG255GGL, 10224A-026RG255GNA

Hardware Version: R1.0

RG255G-GL and RG255G-NA use the same chipset and share the same software & hardware design. They just support different bands via using some different components, such as following:

Module	Chipset	Frequency
RG255G-GL	MT6813	LTE-FDD: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/30/66/71 LTE-TDD: B34/38/39/40/41/42/43/48 5G-NR: n1/2/3/5/7/8/12/13/14/18/20/25/26/28/30/66/71/85/38/40/41/48/77/78 PC2: n77/78 Dual-band GNSS: L1 and L5 (optional)
RG255G-NA		LTE-FDD: B2/4/5/7/12/13/14/17/25/26/30/66/71 LTE-TDD: B38/41/42/43/48 5G-NR: n2/5/7/12/13/14/25/26/30/66/71/85/38/41/48/77/78 PC2: n77/n78 Dual-band GNSS: L1 and L5 (optional)

● HW Difference Table

Designator	RG255G-GL (Part Description)	RG255G-NA (Part Description)
U2206	IC RF RX filter LTE UNBalance B3/66	SAW Dual Filter for Band25_Band66_Band70/ Unbalanced / LH /1109
U1709	IC RF QPX LTE/NR Unbalance B1&B3&B66	SAW multiplexer 4G/5G band n25+n66+n70
U1807	IC RF DPX UMTS/LTE UNBalance B8	NM
U1801	IC RF DPX UMTS/LTE UNBalance B20	NM
U2303	IC RF RX filter LTE/NR Unbalance n20/n28	NM
U1710	IC RF DPX LTE UNBalance B25	NM
U2205	IC RF RX filter UNBalance B25	NM
U1804	IC RF DPX LTE/5G UNBalance B28AB/n28 AB	NM
U1711, U2207, U1902	IC RF TX LPF 1710-2025MHz	NM

U1703	IC RF TX filter LTE Unbalance B40	NM
U2203	IC RF RX filter UNBalance B40	NM
U1710	IC RF DPX LTE UNBalance B25	NM

And Following are the different components of GNSS function.

Designator	RG255G-GL/RG255G-NA with GNSS (Part Description)	RG255G-GL/RG255G-NA without GNSS (Part Description)
U2601 U2603	IC RF LNA GNSS L1/L5	NM
U1201	IC BB GNSS	NM
U2602	IC RF DIPX LB:1166.22-1186.68MHz HB:1574.39 -1605.89MHz	NM
X1201	CRY TCXO	NM

● ANT Mapping Difference Table

ANT Mapping	RG255G-GL	RG255G-NA
MAIN ANT	LTE-FDD: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/30/66/71 LTE-TDD: B34/38/39/40/41/42/43/48 5G-NR: n1/2/3/5/7/8/12/13/14/18/20/25/26/28/30/66/71/85 TDD: n38/40/41/48/77/78	LTE-FDD: B2/4/5/7/12/13/14/17/25/26/30/66/B71 LTE-TDD: B38/41/42/43/48 5G-NR: n2/5/7/12/13/14/n25/26/30/66/71/85 TDD: n38/41/48/77/78
DIV ANT	LTE-FDD: B1/2/3/4/5/7/8/12/13/14/17/18/19/20/25/26/28/30/66/71 LTE-TDD: B34/38/39/40/41/42/43/48 5G-NR: n1/2/3/5/7/8/12/13/14/18/20/25/26/28/30/66/71/85 TDD: n38/40/41/48/77/78	LTE-FDD: B2/4/5/7/12/13/14/17/25/26/30/66/71 LTE-TDD: B38/41/42/43/48 5G-NR: n2/5/7/12/13/14/25/26/30/66/71/85 TDD: n38/41/48/77/78
GNSS ANT	GNSS L1&L5 (optional)	GNSS L1&L5 (optional)

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

Person responsible for making this statement.

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Position/Title: Certification Manager