

Quectel Wireless Solutions Company Limited

Data referencing Justification

To whom it may concern:

We are applying data referencing for FCC ID: XMR2026RG255GNA (Variant) of RF based on reference FCC ID: XMR2026RG255GGL (Parent).

FCC ID: XMR2026RG255GNA is the variant from FCC ID: XMR2026RG255GGL. They share the same PCB layout, FCC ID: XMR2026RG255GNA just deletes some bands via changing some components, such as following:

Module	Chipset	Frequency
RG255G-GL FCC ID: XMR2026RG255 GGL	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 FCC ID: XMR2026RG255 GNA	MT6813	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)

Designator	Parent model RG255G-GL FCC ID: XMR2026RG255GGL	Variant model RG255G-NA FCC ID: XMR2026RG255GGL
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/n28AB	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

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Rule part	Test item	Data Referencing(Y/N)	Comments
Part 24,27,22,90,24,96, For LTE, 5G NR PCB/CBE	Conducted Output Power	Y	Y: For same bands, pointer to spot-check exhibit N: For additional bands, pointer to full test exhibit
	Effective Radiated Power & Equivalent Isotropic Radiated Power	Y	Y: For same bands, pointer to spot-check exhibit N: For additional bands, pointer to full test exhibit
	Peak-to-Average Ratio	Y	Y: For same bands, pointer to spot-check exhibit N: For additional bands, pointer to full test exhibit
	Occupied Bandwidth	Y	Y: For same bands, pointer to spot-check exhibit N: For additional bands, pointer to full test exhibit
	Conducted Band Edges and Spurious Emission	Y	Y: For same bands, pointer to spot-check exhibit N: For additional bands, pointer to full test exhibit
	Frequency Stability	Y	Y: For same bands, pointer to spot-check exhibit
			N: For additional bands, pointer to full test exhibit
	Radiated Spurious Emission	Y, Verify worse case RSE	Y: For same bands, pointer to spot-check exhibit N: For additional bands, pointer to full test exhibit

We confirm that test data referencing policy of KDB 484596 Referencing Test Data v03 has been followed and take full responsibility that the test data as referenced from the parent model report represents compliance for the new FCC ID.

Quectel Wireless Solutions Company Limited

Sincerely,

Signature: _____

Name: Jean Hu

Title: Certification Manager

Date: July 10, 2026