

Date 2026-04-20

To: SGS North America Inc.
620 Old Peachtree Road
SUITE 100
Suwanee, Georgia
United States

Dear Sir/Madam,

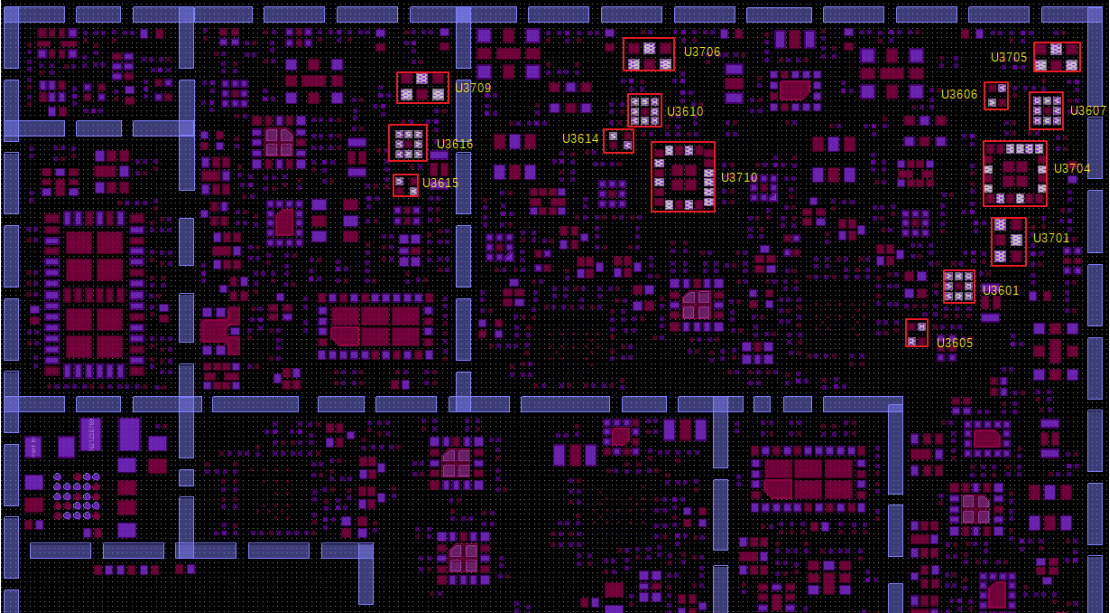
Subject: FCC Class permission change for FCC ID: XMR2024RG650VNA

Original Grant Date: 08/14/2025

This project is a CIIPC submission to our product: 5G Sub-6 GHz LGA Module, model: RG650V-NA, the device is identical to the previous certified except for the changes as below:

Model name	Original	New	Remark
RG650V-NA	The original version supports 4RX	The new version supports 8RX	RG650V-NA has two versions and they share the same SW and HW design

● PCB Changes



The red-highlighted parts are for the 8RX function and have been supported in new version.

● **HW Difference Table**

Designator	RG650V-NA_New version	RG650V-NA_Original version
U3701	DPX204200DT-4277A1	NM
U3705	DPX204200DT-4277A1	NM
U3709	DPX204200DT-4277A1	NM
U3706	DPX204200DT-4377A1	NM
U3704	VC3726	NM
U3710	VC3726	NM
U3601	CAN1490N	NM
U3610	CAN1490N	NM
U3607	AW13504HFLR	NM
U3616	AW13504HFLR	NM
U3605	SAFFW2G59AA1E0AR1X	NM
U3606	SAFFW2G59AA1E0AR1X	NM
U3614	SAFFW2G59AA1E0AR1X	NM
U3615	SAFFW2G59AA1E0AR1X	NM

● **ANT Mapping Difference Table**

ANT Mapping	RG650V-NA_New version	RG650V-NA_Original version
ANT1	NR:	NR:
	N2/N25/N66/N70 TRX	N2/N25/N66/N70 TRX
	N29 RX	N29 RX
	N5/N12/N13/N14/N26/N71 TRX	N5/N12/N13/N14/N26/N71 TRX
	N7/N30/N38/N41 RX	N7/N30/N38/N41 RX
	N48/N77/N78 TRX	N48/N77/N78 TRX
	LTE:	LTE:
	B2/B4/B25/B66 TRX	B2/B4/B25/B66 TRX
	B29 RX	B29 RX
	B5/B12/B13/B14/B17/B26/B71 TRX	B5/B12/B13/B14/B17/B26/B71 TRX
	B7/B30/B38/B41 RX	B7/B30/B38/B41 RX
	B42/B43/B48 TRX	B42/B43/B48 TRX
ANT3	NR:	NR:
	N2/N25/N66/N70 RX	N2/N25/N66/N70 RX
	N29 RX	N29 RX
	N5/N12/N13/N14/N26/N71 RX	N5/N12/N13/N14/N26/N71 RX
	N7/N30/N38/N41 RX	N7/N30/N38/N41 RX
	N48/N77/N78 RX	N48/N77/N78 RX
	LTE:	LTE:
	B2/B4/B25/B66 RX	B2/B4/B25/B66 RX
	B29 RX	B29 RX
	B5/B12/B13/B14/B17/B26/B71 RX	B5/B12/B13/B14/B17/B26/B71 RX
	B7/B30/B38/B41 RX	B7/B30/B38/B41 RX
	B42/B43/B48 RX	B42/B43/B48 RX

Quectel Wireless Solutions Company Limited

ANT5	NR:	NR:
	N2/N25/N66/N70 RX	N2/N25/N66/N70 RX
	N29 RX	N29 RX
	N5/N12/N13/N14/N26/N71 RX	N5/N12/N13/N14/N26/N71 RX
	N7/N30/N38/N41 RX	N7/N30/N38/N41 RX
	N48/N77/N78 RX	N48/N77/N78 RX
	LTE:	LTE:
	B2/B4/B25/B66 RX	B2/B4/B25/B66 RX
	B29 RX	B29 RX
	B5/B12/B13/B14/B17/B26/B71 RX	B5/B12/B13/B14/B17/B26/B71 RX
	B7/B30/B38/B41 RX	B7/B30/B38/B41 RX
	B42/B43/B48 RX	B42/B43/B48 RX
ANT7	NR:	NR:
	N2/N25/N66/N70 RX	N2/N25/N66/N70 RX
	N29 RX	N29 RX
	N5/N12/N13/N14/N26/N71 RX	N5/N12/N13/N14/N26/N71 RX
	N7/N30/N38/N41 TRX	N7/N30/N38/N41 TRX
	N48/N77/N78 RX	N48/N77/N78 RX
	LTE:	LTE:
	B2/B4/B25/B66 RX	B2/B4/B25/B66 RX
	B29 RX	B29 RX
	B5/B12/B13/B14/B17/B26/B71 RX	B5/B12/B13/B14/B17/B26/B71 RX
	B7/B30/B38/B41 RX	B7/B30/B38/B41 RX
	B42/B43/B48 RX	B42/B43/B48 RX
ANT0	NR:	NM
	N38/N41 RX	
	N48/N77/N78 RX	
ANT2	NR:	NM
	N38/N41 RX	
	N48/N77/N78 RX	
ANT4	NR:	NM
	N38/N41 RX	
	N48/N77/N78 RX	
ANT6	NR:	NM
	N38/N41 RX	
	N48/N77/N78 RX	

Considering the product differences, only Power and RSE items were selectively retested; all other test data shall refer to the original report.

If you have any questions regarding this application, please free to contact me.

Yours Sincerely,

A handwritten signature in black ink, appearing to read 'Jean', written in a cursive style.

Signature:

Contact name: Jean Hu

Company Name: Quectel Wireless Solutions Company Limited