

Quectel Wireless Solutions Co., Ltd.

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District,
Shanghai 200233, China

Request for Class II Permissive Change

Dear Sir/Madam,

Subject: FCC Class II permission change for FCC ID: XMR2023EM061KGL

Original Grant Date: 07/04/2023

This project is a CIIPC submission to our product: LTE-A Module, model: EM061K-GL, the device is identical to the previous certified except for the changes as below:

Model name	Original	New	Remark																																																																																
EM061K-GL	<p>1. Antenna type</p> <p>Antenna Type: <input type="checkbox"/> External, <input checked="" type="checkbox"/> Internal</p> <p>2. Related gain</p> <table><tr><td>WCDMA Band II: ± 2</td><td>0.25dBi ± 2</td><td>WCDMA Band IV: ± 2</td><td>1.47dBi ± 2</td></tr><tr><td>WCDMA Band V: ± 2</td><td>2.68dBi ± 2</td><td>± 2</td><td>± 2</td></tr><tr><td>LTE Band 2: ± 2</td><td>0.25dBi ± 2</td><td>LTE Band 4: ± 2</td><td>1.47dBi ± 2</td></tr><tr><td>LTE Band 5: ± 2</td><td>2.68dBi ± 2</td><td>LTE Band 7: ± 2</td><td>0.55dBi ± 2</td></tr><tr><td>LTE Band 12: ± 2</td><td>-0.2dBi ± 2</td><td>LTE Band 13: ± 2</td><td>1.54dBi ± 2</td></tr><tr><td>LTE Band 14: ± 2</td><td>2.42dBi ± 2</td><td>LTE Band 17: ± 2</td><td>-0.2dBi ± 2</td></tr><tr><td>LTE Band 25: ± 2</td><td>0.25dBi ± 2</td><td>LTE Band 26: ± 2</td><td>2.87dBi ± 2</td></tr><tr><td>LTE Band 30: ± 2</td><td>-5.7dBi ± 2</td><td>LTE Band 38: ± 2</td><td>-0.18dBi ± 2</td></tr><tr><td>LTE Band 41: ± 2</td><td>0.78dBi ± 2</td><td>LTE Band 66: ± 2</td><td>1.47dBi ± 2</td></tr><tr><td>LTE Band 71: ± 2</td><td>1.22dBi ± 2</td><td>± 2</td><td>± 2</td></tr></table>	WCDMA Band II: ± 2	0.25dBi ± 2	WCDMA Band IV: ± 2	1.47dBi ± 2	WCDMA Band V: ± 2	2.68dBi ± 2	± 2	± 2	LTE Band 2: ± 2	0.25dBi ± 2	LTE Band 4: ± 2	1.47dBi ± 2	LTE Band 5: ± 2	2.68dBi ± 2	LTE Band 7: ± 2	0.55dBi ± 2	LTE Band 12: ± 2	-0.2dBi ± 2	LTE Band 13: ± 2	1.54dBi ± 2	LTE Band 14: ± 2	2.42dBi ± 2	LTE Band 17: ± 2	-0.2dBi ± 2	LTE Band 25: ± 2	0.25dBi ± 2	LTE Band 26: ± 2	2.87dBi ± 2	LTE Band 30: ± 2	-5.7dBi ± 2	LTE Band 38: ± 2	-0.18dBi ± 2	LTE Band 41: ± 2	0.78dBi ± 2	LTE Band 66: ± 2	1.47dBi ± 2	LTE Band 71: ± 2	1.22dBi ± 2	± 2	± 2	<p>1. Antenna type</p> <p>External Antenna \leftarrow PIFA Antenna \leftarrow</p> <p>2. Related gain</p> <table><tr><td>WCDMA Band II: ± 2</td><td>0.25dBi ± 2</td><td>WCDMA Band IV: ± 2</td><td>1.47dBi ± 2</td></tr><tr><td>WCDMA Band V: ± 2</td><td>2.68dBi ± 2</td><td>± 2</td><td>± 2</td></tr><tr><td>LTE Band 2: ± 2</td><td>0.25dBi ± 2</td><td>LTE Band 4: ± 2</td><td>1.47dBi ± 2</td></tr><tr><td>LTE Band 5: ± 2</td><td>2.68dBi ± 2</td><td>LTE Band 7: ± 2</td><td>2.4dBi ± 2</td></tr><tr><td>LTE Band 12: ± 2</td><td>1.3dBi ± 2</td><td>LTE Band 13: ± 2</td><td>1.3dBi ± 2</td></tr><tr><td>LTE Band 14: ± 2</td><td>2.42dBi ± 2</td><td>LTE Band 17: ± 2</td><td>-0.2dBi ± 2</td></tr><tr><td>LTE Band 25: ± 2</td><td>0.25dBi ± 2</td><td>LTE Band 26: ± 2</td><td>2.87dBi ± 2</td></tr><tr><td>LTE Band 30: ± 2</td><td>-3dBi ± 2</td><td>LTE Band 38: ± 2</td><td>2.4dBi ± 2</td></tr><tr><td>LTE Band 41: ± 2</td><td>2.4dBi ± 2</td><td>LTE Band 66: ± 2</td><td>1.47dBi ± 2</td></tr><tr><td>LTE Band 71: ± 2</td><td>1.22dBi ± 2</td><td>± 2</td><td>± 2</td></tr></table>	WCDMA Band II: ± 2	0.25dBi ± 2	WCDMA Band IV: ± 2	1.47dBi ± 2	WCDMA Band V: ± 2	2.68dBi ± 2	± 2	± 2	LTE Band 2: ± 2	0.25dBi ± 2	LTE Band 4: ± 2	1.47dBi ± 2	LTE Band 5: ± 2	2.68dBi ± 2	LTE Band 7: ± 2	2.4dBi ± 2	LTE Band 12: ± 2	1.3dBi ± 2	LTE Band 13: ± 2	1.3dBi ± 2	LTE Band 14: ± 2	2.42dBi ± 2	LTE Band 17: ± 2	-0.2dBi ± 2	LTE Band 25: ± 2	0.25dBi ± 2	LTE Band 26: ± 2	2.87dBi ± 2	LTE Band 30: ± 2	-3dBi ± 2	LTE Band 38: ± 2	2.4dBi ± 2	LTE Band 41: ± 2	2.4dBi ± 2	LTE Band 66: ± 2	1.47dBi ± 2	LTE Band 71: ± 2	1.22dBi ± 2	± 2	± 2	Hardware and software are the same, only the antenna has changed for some bands.
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The test strategy reference is as follows:

Case	Remark
Part22,24,27,90	Conduct new testing of RSE and recalculate the EIRP on the related bands. Other data are based on the original data.
RSS-102	RF Exposure Evaluation Reassessment

Thank you.

Sincerely.

Date:2023/10/18.....

Name: Jean Hu (2)

Email:jean.hu@quectel.com.....

Signature: 