

Quectel Wireless Solutions Co., Ltd.

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

Request for Class II Permissive Change

FCC ID: XMR2022EM120KGL

Date: 2024-1-13

Dear Sir/Madam,

Subject: FCC Class permission change for FCC ID: XMR2022EM120KGL

Original Grant Date: 10/25/2022

This project is a CIIPC submission to our product: LTE-A Cat 12 M.2 Module, model: EM120K-GL, the device is identical to the previous certified except for the changes as below:

Designator	EM120K-GL (new version) (Part Description)	EM120K-GL (Original) (Part Description)
U1306 (B28 duplexer)	SAYRH725MBC0B0AR00 MURATA IC RF DPX LTE UNBalance B28AB 1.8x1.4mm H0.6mm RO	B39781B1250P810 RF360 IC RF DPX LTE UNBalance B28AB 1.8x1.4mm H0.475mm RO
U1702 (GPS Extrator)	B39162B8905L210 RF360 IC RF SAW Extraor GPS_GLONASS_BEIDOU L1/Cellular Unbalance PINS10 1.7x1.3mm H0.7mm RO	B39162B8666L210 RF360 IC RF SAW Extraor GPS_GLONASS_BEIDOU L1/Cellular Unbalance 1.7x1.3mm H0.5mm RO
U1808 (B25/B66/B30 RX SAW)	B39242B9954P810 RF360 IC RF RX filter UNBalance B25/B66/B30 10dBm PINS8 1.8x1.4mm H0.475mm RO	SATEY1G96AV2F0AR00 MURATA IC RF RX filter UNBalance B25/B66/B30 10dBm 1.8x1.4mm H0.6mm RO
H0101	EM060K-GL_V1.1_Shielding_Frame_XK_R5 Shielding Frame EM060K-GL_V1.1 29x33.7mm T0.2mm H1.25mm C7701 XK RO	EM060K-GL_V1.1_Shielding_Frame_XK_R1 Shielding Frame EM060K-GL_V1.1 29x33.7mm T0.2mm H1.25mm C7701 XK RO

In addition to the hardware changes mentioned above, the software has enabled the B42/43 frequency bands, and the specific changes are as follows

Model name	Original	New
EM120K-GL	Software Version:EM120KGLAAR01A03M2G	Software Version:EM120KGLAAR01A05M2G

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The test strategy reference is as follows:

Case	Remark
Part 22/24/27/90/96	Check Power+Check Worse RSE B42/43 complete test The B25/B66/B30 frequency bands involved in hardware modifications require retesting of RSE
Part 2.1091	New

Thank you.
Sincerely.

Date: ...2024/1/13.....

City: ... Shanghai.....

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Signature: 