

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: XMR2022RM520NGL

Date: 2023-4-28

Dear Sir/Madam,

Subject: FCC Class permission change for FCC ID: XMR2022RM520NGL

Original Grant Date: 08/31/2022

This project is a CIIPC submission to our product: 5G module, model: RM520N-GL, the device is identical to the previous certified except for the changes as below:

Model name : RM520N-GL				
Original		New	Remark	
RF Exposure Evaluation MIMO extrapolation gain method, using the technique of correlated signals extrapolation Directional gain = $G_{ANT} + 10 \log(N \text{ ant}) \text{ dBi}$		RF Exposure Evaluation MIMO extrapolates the gain method to uncorrelated signals Directional gain = G_{ANT}	The maximum allowable gain for calculating is updated below	
			Operating Band	Max Gain Allowed (dBi)
			LTE B38/n38/CA_38C	5.00
			LTE B48/n48/CA_48C*	-2.00
			LTE B41/CA_41C/n41	5.00
			NR Band n77	2.00
			NR Band n78	2.00
Antenna Gain:		Add Antenna :	The antenna type is the same, the model is the same, and only part of the band gain is updated	
Band	Gain	Band		Gain
WCDMA Band II:	0.91dBi	WCDMA Band II:		0.25dBi
LTE Band 2:	0.91dBi(Ant0)	LTE Band 2:		0.25dBi(Ant0)
LTE Band 4:	-1.47dBi(Ant0)	LTE Band 4:		1.47dBi(Ant0)
LTE Band 66:	-1.47dBi(Ant0)	LTE Band 66:		1.47dBi(Ant0)
LTE CA_2C:	0.91dBi(Ant0)	LTE CA_2C:		0.25dBi(Ant0)
LTE CA_66C:	-1.47dBi(Ant0)	LTE CA_66C:		1.47dBi(Ant0)
LTE CA_66B:	-1.47dBi(Ant0)	LTE CA_66B:	1.47dBi(Ant0)	

The test strategy reference is as follows:

Case	Remark
Part 2.1091	RF Exposure Evaluation Reassessment
Part 24/27	Retest Band 2、4、66 RSE

Thank you.

Sincerely.

Date: ...2023/4/28.....

Quectel Wireless Solutions Co., Ltd.

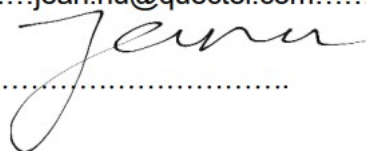
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Shanghai, China, 200233

City: ... Shanghai.....

Name:Jean hu.....⁽²⁾

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

Signature:

A handwritten signature in black ink, appearing to read 'Jean', is written over the dotted line for the signature field.