

# Statement

This is to request a Class II permissive change for FCC ID: XMR2020AG525RGL originally granted on 11/18/2020.

We **Quectel Wireless Solutions Co., Ltd** declare the following models.

**Product Name:** LTE Module

**Model Number:** AG525R-GL

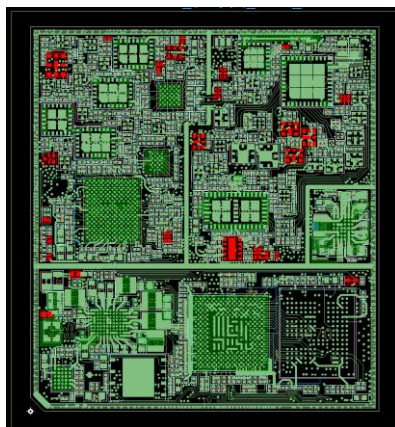
**Hardware Version:** R1.1

AG525R-GL's new version shares the same software and hardware design with original version. They support the same bands. The new version just changed some RF alternative materials.

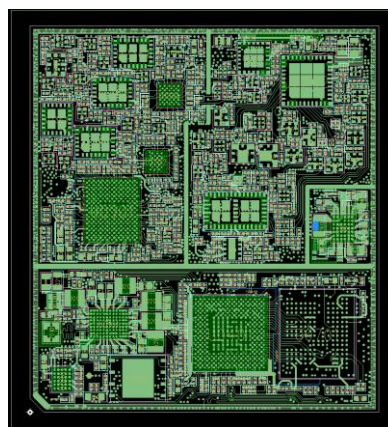
- 1) The new chip component is pin-for-pin compatible --yes
- 2) The new chip has the same basic function as the old chip, from an external perspective (internal circuitry may differ) -- yes
- 3) No change in radio parameters has occurred. -- yes
- 4) The same conditions apply when a small area (approximately the same area as the chip) of the PCB is replaced with an equivalent chip. -- yes

The difference is as below:

1. The new version changed B7/11/21/20/29/40/41/71 related main components for main antenna, all bands related diplexer and B71 saw filter for Diversity antenna and GNSS diplexer. The difference as below shows



**New**



**Original**

| Designator | AG525R-GL (New)<br>(Part Description)          | AG525R-GL (Original)<br>(Part Description)  |
|------------|------------------------------------------------|---------------------------------------------|
| U2061      | IC RF PA LTE B11/21 APT 2.0x2.5mm H0.9mm<br>RO | IC RF PA LTE B11/21 APT 2.0x2.5mm H0.9mm RO |

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|                            |                                                                                   |                                                                        |
|----------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>U2062, U2063, U2263</b> | IC RF SWITCH SPDT 35dBm 1.1x0.7mm<br>H0.32mm RO                                   | IC RF SWITCH SPDT 36.5dBm 1.1x0.7mm H0.45mm RO                         |
| <b>U2118, U2144</b>        | IC RF LNA LTE HB 0.7x1.1mm H0.4mm RO                                              | IC RF LNA LTE MHB PINS6 1.1x0.7mm H0.4mm RO                            |
| <b>U2166</b>               | IC RF DPX LTE UNBalance B11 WIDE TEM<br>RANGE 1.8x1.4mm H0.6mm RO                 | IC RF DPX UMTS/LTE UNBalance B11 WIDE TEM<br>RANGE 1.8x1.4mm H0.6mm RO |
| <b>U2301</b>               | IC RF Diplexer CA 34.7dBm LB: 698-960MHz HB:<br>1427-2700MHz 2.0x1.25mm H0.8mm RO | IC RF Diplexer LB: 570-960MHz MHB:1427-2700MHz<br>2.0x1.25mm H0.8mm RO |
| <b>U2102</b>               | IC RF DPX LTE UNBalance B7 WIDE TEM<br>RANGE 1.6x1.2mm H0.6mm RO                  | IC RF DPX LTE UNBalance B7 1.6x1.2mm H0.475mm RO                       |
| <b>U2162</b>               | IC RF DPX LTE UNBalance B71 1.8x1.4mm<br>AEC-Q200 H0.61mm RO                      | IC RF DPX LTE/5G UNBalance BAND71 1.8x1.4mm<br>H0.475mm RO             |
| <b>U2167</b>               | IC RF DPX LTE UNBalance B21 1.8x1.4mm<br>AEC-Q200 H0.45mm RO                      | IC RF DPX UMTS/LTE UNBalance B21 1.8x1.4mm<br>H0.475mm RO              |
| <b>U2365</b>               | IC RF RX filter UNBalance B71 WIDE TEM<br>RANGE 13dBm 1.1x0.9mm H0.5mm RO         | IC RF Rx filter UNBalance B71 15dBm 1.1x0.9mm<br>H0.45mm RO            |
| <b>U2402</b>               | IC RF DPX f1=1207.7±41.5MHz<br>f2=1582.5±23.5MHz 2.5x2.0mm H1.0mm RO              | IC RF DPX LB:1166.22-1249.14MHz HB:1525-1606MHz<br>2.5x2.0mm H0.9mm RO |
| <b>C1861</b>               | 0.3PF                                                                             | NM                                                                     |
| <b>C2069</b>               | NM                                                                                | 15NH                                                                   |
| <b>C2070</b>               | 0.3PF                                                                             | NM                                                                     |
| <b>C2261</b>               | NM                                                                                | 27NH                                                                   |
| <b>C2303</b>               | 27NH                                                                              | NM                                                                     |
| <b>C2308</b>               | NM                                                                                | 18NH                                                                   |
| <b>C2311</b>               | 9.1NH                                                                             | NM                                                                     |
| <b>D0202 D0203</b>         | NM                                                                                | TVS Si Vrw=5V 260pF DFN1006 RO                                         |
| <b>D0601</b>               | NM                                                                                | TVS Bi Vrw=5V 30pF WFBP-02C RO                                         |
| <b>R0111,R0112,R0113</b>   | NM                                                                                | RES MF 10K +/-1% 1/20W CH0201 RO                                       |

Above changes won't impact the protocol and RF performance for original frequency bands.  
Your assistance on this matter is highly appreciated.

Sincerely,



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Title: Certification Section