

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

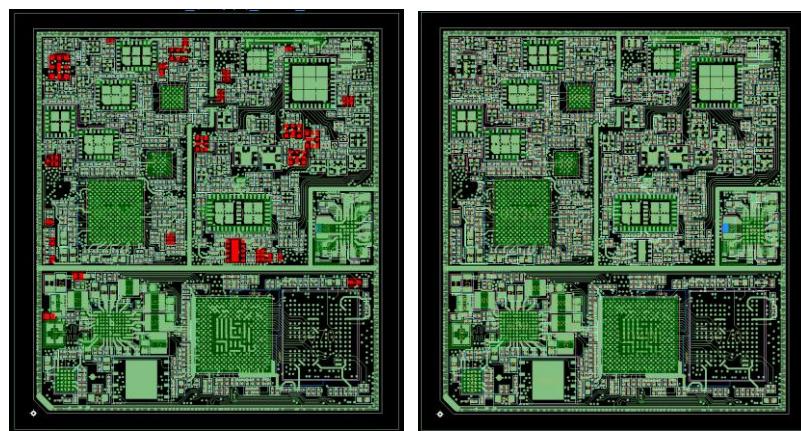
Hardware Version: R1.1

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

Quectel Wireless Solutions Co., Ltd

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

Name: Jean Hu

Title: Certification Section