

# Quectel Wireless Solutions Company Limited

XMR201910BG95M3 cover letter

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

**Product Name:** Cat M1 Module

**Model Number:** BG95-M3, BG95-M1

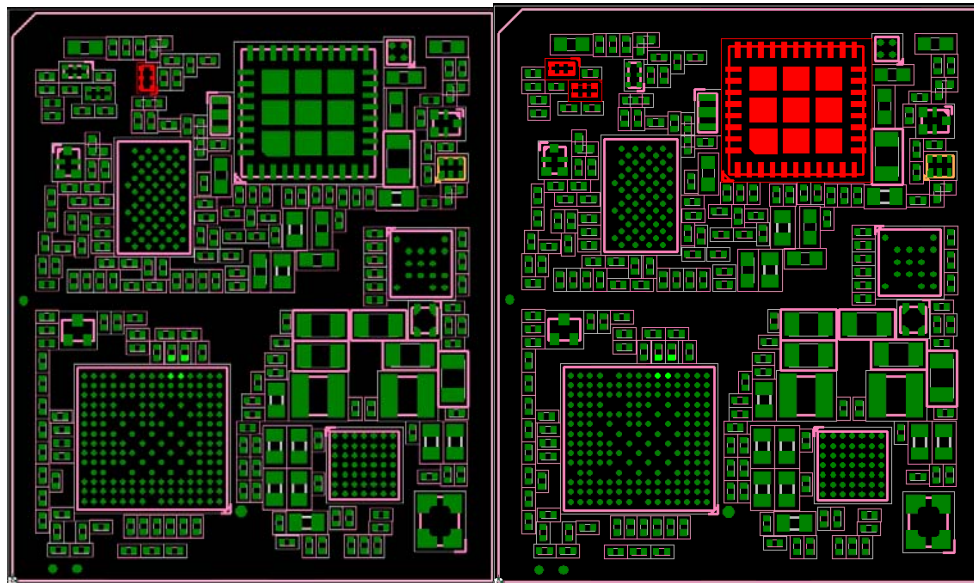
**Hardware Version:** R2.1

**BG95-M3** FCC ID : XMR201910BG95M3, date of grant :10/17/2019

Original model : BG95-M3

Module	Category	Supported Band	FCC rule parts
BG95-M3	CatM1/NB-IoT/ GSM/GPRS/EGPRS	<b>Cat M1:</b> LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/ B14/B18/B19/B20/B25/B26/B27/ B28/B66/B85 <b>Cat NB2:</b> LTE-FDD:B1/B2/B3/B4/B5/B8/B12/B13/ B18/B19/B20/B25/B26/ B28/B66/B71/B85  <b>GSM/GPRS/ EGPRS:</b> 850/900/1800/1900MHz	22H/24E/ 27/90
BG95-M1	CatM1	<b>Cat M1:</b> LTE-FDD:B1/B2/B3/B4/B5/B8/B12/B13/ B14/B18/B19/B20/B25/B26/ B27/B28/B66/B85	22H/24E/ 27/90

BG95-M1 and BG95-M3 share the same HW design, BG95-M1 only do removal of the component for GSM/GPRS/EGPRS on the hardware network according to the model requirement of the product definition, and BG95-M1 disable NB by SW on the basis of BG95-M3.



BG95-M3

BG95-M1

Designator	BG95-M3 (Part Description)	BG95-M1 (Part Description)
U602	NA	IC RF THIN-FILM Directional Coupler 450MHz-3800MHz 1.0x0.5mm H0.3mm RO
U603	IC RF SWITCH SP10T + GSM Qualband 5.3x5.5mm H0.905mm RO	NA
U502	IC RF LOW PASS FILTER 698-960MHz 1.0x0.5mm H0.4mm RO	NA
U504	IC RF TX LPF 1695-2180MHz 1.0x0.5mm H0.5mm RO	NA

The change will not impact RF performance of Cat M1 .

Please see all report updates below :

**BG95-M1 (Report No.: R1907A0450-R1V2)** is a variant model of BG95-M3 (Report No.: R1907A0446-R1V1). Test values partial duplicated from Original for variant. There is only tested RF Power Output, Effective Radiated Power, Occupied Bandwidth and Radiates Spurious Emission for variant in this report.

**BG95-M1 (Report No.: R1907A0450-R2V2)** is a variant model of BG95-M3 (Report No.: R1907A0446-R2). Test values partial duplicated from Original for variant. There is only tested RF Power Output, Effective Isotropic Radiated Power, Occupied Bandwidth and Radiates Spurious Emission for variant in this report.

**BG95-M1 (Report No.: R1907A0450-R3V2)** is a variant model of BG95-M3 (Report No.: R1907A0446-R3V1). Test values partial duplicated from Original for variant. There is only tested RF Power Output, Effective Isotropic Radiated Power, Occupied Bandwidth and Radiates Spurious Emission for variant in this report.

**BG95-M1 (Report No.: R1907A0450-R4V2)** is a variant model of BG95-M3 (Report No.: R1907A0446-R7). Test values partial duplicated from Original for variant. There is only tested RF Power Output, Effective Radiated Power , Occupied Bandwidth and Radiates Spurious Emission for variant in this report.

**BG95-M1 (Report No.: R1907A0450-R5V2)** is a variant model of BG95-M3 (Report No.: R1907A0446-R8). Test values partial duplicated from Original for variant. There is only tested RF Power Output, Effective Radiated Power, Occupied Bandwidth and Radiates Spurious Emission for variant in this report.

**BG95-M1 (Report No.: R1907A0450-R6V2)** is a variant model of BG95-M3 (Report No.: R1907A0446-R11). Test values partial duplicated from Original for variant. There is only tested RF Power Output, Effective Radiated Power, Occupied Bandwidth and Radiates Spurious Emission for variant in this report.

**Dated** 2020/3/10

**By:**

Jean Hu



**Signature**

**Printed**

**Title:** Project Manager

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