

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

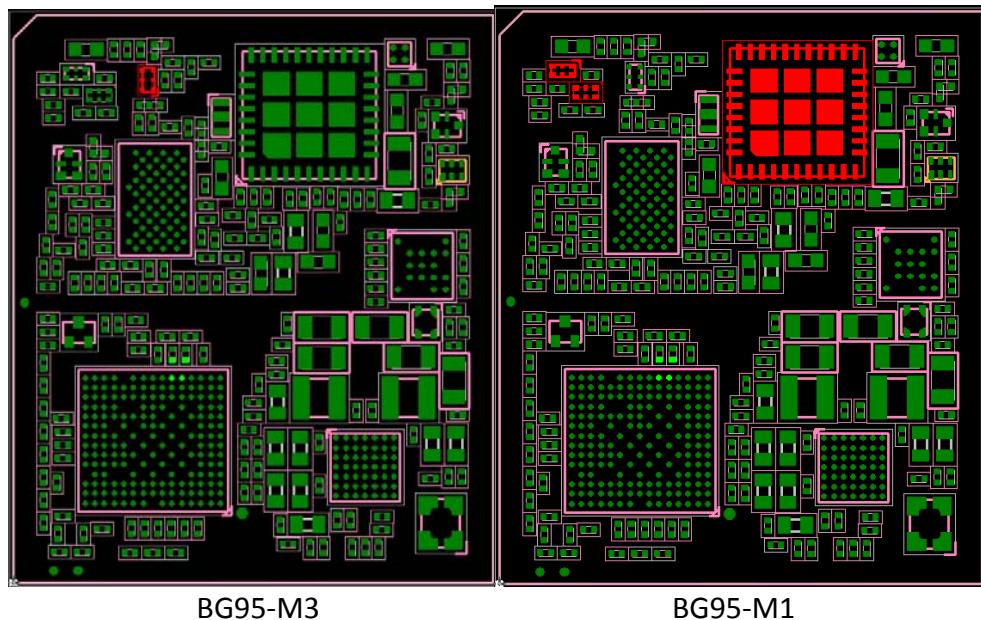
Hardware Version: R2.1

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

Orginal model : BG95-M3

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

On behalf of : (Quectel Wireless Solutions Limited)

Telephone: +86-21-51086236 ext 6511