

EG25-G T-Mobile Certification Software Configuration Guide

LTE Standard Module Series

Version: 1.0

Date: 2020-08-27

Status: Released



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About the Document

Revision History

Version	Date	Author	Description
1.0	2020-08-27	Jarvis FENG	Initial

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1 Introduction

Some functions of the chip in Quectel EG25-G module that supports both data and voice (hereinafter referred to as Telematics module) do not meet the T-Mobile certification requirements, so T-Mobile requires the module to only support data (hereinafter referred to as Data-only module) when undergoing T-Mobile certification. Therefore, this document mainly introduces the software configuration methods to make the Telematics version of EG25-G module as Data-only version to meet the requirements of T-Mobile certification.

NOTE

For other Telematics versions of LTE Standard EC21 series, EC25 series, EG91 series, EG95 series and EG21-G modules that require T-Mobile certification, this document can also be used as a reference.

2 Software Configuration

2.1. Configuration Steps

The following sub-chapters describe the software configuration steps for meeting the requirements of T-Mobile certification.

2.1.1. Disable Voice

Execute **AT+QNVW=5280,0,"0102000000000000"** to disable voice as below. For more details of the command, please contact Quectel Technical Supports.

```
[2020-07-22_11:20:49:508] AT+QNVW=5280,0,"0102000000000000"  
[2020-07-22_11:20:49:513] OK  
[2020-07-22_11:21:59:876] AT+QNVW=5280,0  
[2020-07-22_11:21:59:876] +QNVW: "0102000000000000"  
[2020-07-22_11:21:59:876] OK
```

2.1.2. Disable IMS

Execute **AT+QNVFW="/nv/item_files/ims/IMS_enable",00** to disable IMS task as below. For more details of the command, please contact Quectel Technical Supports.

```
[2020-07-22_11:24:15:020] AT+QNVFW="/nv/item_files/ims/IMS_enable",00  
[2020-07-22_11:24:15:025] OK  
[2020-07-22_11:24:23:304] AT+QNVFW="/nv/item_files/ims/IMS_enable"  
[2020-07-22_11:24:23:304] +QNVFW: 00  
[2020-07-22_11:24:23:304] OK
```

2.1.3. Configure UE's Usage Setting

Execute **AT+QNVFW="/nv/item_files/modem/mmode/ue_usage_setting",01** to configure the UE's usage setting as data centric as T-Mobile requires for Data-only module.

```
[2020-07-22_11:32:17:189]AT+QNVFW="/nv/item_files/modem/mmode/ue_usage_setting",01
[2020-07-22_11:32:17:192]OK
[2020-07-22_11:32:28:342]AT+QNVFR="/nv/item_files/modem/mmode/ue_usage_setting"
[2020-07-22_11:32:28:342]+QNVFR: 01
[2020-07-22_11:32:28:342]OK
```

2.1.4. Reboot the Module

The configurations performed through the commands in above sub-chapters take effect after the module is rebooted. Therefore, reboot the module to make it a Data-only module for T-Mobile certification.

NOTE

Reconfigure the software of the module according to the steps described in this chapter every time you switch to T-Mobile (U)SIM card.

3 Appendix A References

Table 1: Terms and Abbreviations

Abbreviation	Description
IMS	IP Multimedia Subsystem
(U)SIM	(Universal) Subscriber Identity Module
UE	User Equipment