

# **EP06-E-LA** Release Notes

## **LTE-A Module Series**

Rev. EP06-E-LA\_Firmware\_Release\_Notes\_V0404

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## 1. Preamble

This document provides the Release Notes for EP06-E-LA firmware version **EP06ELAR04A04M4G**. It describes major changes compared to EP06-E-LA firmware version **EP06ELAR04A03M4G**. For a detailed listing of all changes, refer to the EP06 AT Command Set.

## 2. New Features

Item/Category	Brief description	Since
<b>SMS</b>	Enabled URC <b>+QINDCFG: "smsfull"</b> report when SMS is full.	R04A03
<b>NETWORK</b>	Added a new valid value 0xFFFE for parameter <b>&lt;bandval&gt;</b> and 0xFFFFFFFFFFFFFFFE for <b>&lt;ltebandval&gt;</b> of command <b>AT+QCFG="band"</b> to enable the module to restore the factory settings of supported band.	R04A03
<b>SMS</b>	Added <b>AT+QCFG="sms_control"</b> to enable/disable to deliver or submit SMS.	R04A04
<b>SMS</b>	Added support for special characters in IRA format	R04A04
<b>VOICE CALL</b>	Added <b>AT+QCFG="call_control"</b> to control MO/MT calls.	R04A04
<b>GENERAL</b>	Added MBNs and KTFOTA for Korean SKT and KT carriers.	R04A04
<b>GENERAL</b>	Added the following AT commands: <ul style="list-style-type: none"> <li>● <b>AT+QCFG="sim/recovery"</b> to enable SIM card hot-plugging feature;</li> <li>● <b>AT+QCFG="defaultdns"</b> to configure the default DNS address of the PDP context;</li> <li>● <b>AT+QCFG="disrplmn"</b> to configure the RPLMN first when the module searched the network.</li> </ul>	R04A04
<b>GENERAL</b>	Added parameter 2 to <b>AT+QCFG="dhcppktflr"</b> to determine whether to filter packets based on the DHCP destination address.	R04A04
<b>GENERAL</b>	Added Ogero Lebanon VoLTE MBN version 0x0680F701,202001162.	R04A04
<b>GENERAL</b>	Added <b>AT+QCFG="fast_dormancy"</b> to support Rel-8 fast dormancy feature.	R04A04
<b>GENERAL</b>	Deactivated UMTS 3GPP Rel.7/8.	R04A04
<b>GENERAL</b>	Added <b>AT+QNWCFG="lte_snr"</b> to query SNR.	R04A04
<b>GENERAL</b>	Added <b>AT+QICSGPEH</b> to set the APN name.	R04A04
<b>GENERAL</b>	Supported to enter recovery mode by long pressing <b>Ctrl+C</b> .	R04A04

GENERAL	Added the default output value of <b>AT+QHVN</b> .	R04A04
GENERAL	Added FTM AT Force RX band30/66.	R04A04
NETWORK	Added <b>AT+QCFG="lte/preferfre"</b> for LTE frequency to add network registration preference feature for specified LTE frequency.	R04A04
NETWORK	Supported external forwarding of DHCP packets.	R04A04

### 3. Improved Features

Item/Category	Brief description	Since
NETWORK	Solved the problem that the band information was incorrect returned by <b>AT+QNWINFO</b> .	R04A02
GENERAL	Solved the problem that the SIM ECC number could not be obtained by <b>AT+CPBR</b> .	R04A02
SMS	Solved the problem that the SMS sending failed after switching the SIM card of different operators with <b>AT+CFUN</b> .	R04A02
SMS	Solved the problem that SMS center number still was of the last Operator when SIM card hot-plugging feature was enabled.	R04A02
GNSS	Optimized <b>AT+QGPSCFG="outport","usbmea"</b> .	R04A02
GENERAL	Supported <b>AT+QCFG="roamservice"</b> .	R04A02
NITZ	Solved the problem that the returned time queried by <b>AT+CCLK</b> contains the time zone information when set parameter value of <b>AT+CTZU</b> to 0.	R04A02
GENERAL	Changed the input APN character length via AT command <b>AT+QICSGP</b> to 63. Optimized AT command <b>AT+QCFG="roamservice"</b> .	R04A03
NETWORK	For <b>AT+QNWLOCK="common/4g"</b> , the parameter configuration would not be saved after rebooting.	R04A03
GENERAL	Set the default value to USB 3.0.	R04A03
SMS	Supported to save messages by default.	R04A03
GENERAL	Solved the problem of report error when using AT command <b>AT+QSIMLOCK</b> to unlock PN if there was no SIM card inserted.	R04A03
VOICE CALL	Solved the problem that after using <b>AT+QCFG="call_control"</b> to disable the module being called, the module fell to 3G network.	R04A04
VOICE CALL	Solved the problem that <b>AT+CHLD</b> could not be used if no SIM card was inserted.	R04A04
DFOTA	Optimized DFOTA upgrade time.	R04A04

<b>DFOTA</b>	Solved the problem that the module could not continue to back up after it was powered down at 79% of the upgrade.	R04A04
<b>GENERAL</b>	Solved the problem that there was no return value after executing <b>AT+QCOPS</b> .	R04A04
<b>GENERAL</b>	Modified <b>AT+QCSQ</b> to display <b>&lt;rssi&gt;</b> as a negative value.	R04A04
<b>GENERAL</b>	Optimized MultiMBN strategy.	R04A04
<b>GNSS</b>	Modified the range of <b>&lt;dpoenable&gt;</b> of <b>AT+QGPSCFG="dpoenable"</b> from (0,1) to (0-2). The default value of <b>&lt;dpoenable&gt;</b> is 2 which indicates to enable DPO by default.	R04A04
<b>NETWORK</b>	Optimized <b>AT+QCFG="servicedomain"</b> .	R04A04

## 4. Functions

### Basic Function

SMS	Voice Call	Fax	PHB	FILE <sup>1)</sup>
Y	Y	N	Y	Y

### Protocol Function

QMI	NITZ
Y	Y

### Special Function

DFOTA
Y

### NOTES

1. Y means the firmware supports this function.
2. N means the firmware does not support this function.
3. <sup>1)</sup> Supports RAM and UFS FILE only.
4. Verification Environment is shown below. For more details, please contact Quectel technical support.  
 For Windows,  
 USB Driver: Quectel\_LTE&5G\_Windows\_USB\_Driver\_V2.2.4.zip  
 Qflash Tool: QFlash\_V4.20.zip  
  
 For Linux,  
 QMI\_WWAN Driver: Quectel\_Linux&Android\_QMI\_WWAN\_Driver\_V1.2.0.3.zip  
 GobiNet Driver: Quectel\_Linux&Android\_GobiNet\_Driver\_V1.6.2.2.zip  
 QFirehose Tool: Quectel\_Linux\_QFirehose\_V1.2.3.zip