

# **EC2x&EG9x&EM05 MMS AT Commands Manual**

**LTE Module Series**

Rev. EC2x&EG9x&EM05\_MMS\_AT\_Commands\_Manual\_V1.0

Date: 2017-12-08

Status: Released



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# About the Document

## History

Revision	Date	Author	Description
1.0	2017-12-08	Duke XIN/ Haley HUANG	Initial

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# 1 Introduction

Quectel EC2x&EG9x&EM05 modules provide MMS application interface for sending messages including multimedia objects (image, audio, rich text, etc.). This document is a reference guide to all the AT commands defined for MMS.

This document is applicable to following Quectel modules.

- EC2x (including EC25, EC21, EC20 R2.0 and EC20 R2.1)
- EG9x (including EG91 and EG95)
- EM05

## 1.1. The Process of Sending MMS Messages

**Step 1:** Configure and activate a PDP context.

- 1) Configure <APN>, <username>, <password> and other parameters of a PDP context by AT+QICSGP. Please refer to *Quectel\_EC2x&EG9x&EM05\_TCP(IP)\_AT\_Commands\_Manual* for details. If QoS settings need to be updated, configure them by AT+CGQMIN, AT+CGEQMIN, AT+CGQREQ and AT+CGEQREQ commands. For more details, please refer to *Quectel\_EC25&EC21\_AT\_Commands\_Manual*, *Quectel\_EG9x\_AT\_Commands\_Manual* and *Quectel\_EM05\_AT\_Commands\_Manual*.
- 2) Activate the PDP context by AT+QIACT.
- 3) Configure the PDP context ID for MMS by AT+QMMSCFG="contextid",<contextID>.

**Step 2:** Configure URL and proxy of MMSC.

- 1) Configure the URL of MMSC by AT+QMMSCFG="mmsc",<URL>.
- 2) Configure the proxy of MMSC by AT+QMMSCFG="proxy",<gateway>,<port>.

**Step 3:** Configure sending parameters by AT+QMMSCFG="sendparam",<valid>,<pri>,<sendrep>,<visible>,<class>.

**Step 4:** Edit MMS messages.

- 1) Add recipients' address by AT+QMMSEDIT=1,1,<optstring>.
- 2) Add CC recipients' address by AT+QMMSEDIT=2,1,<optstring>.
- 3) Add BCC recipients' address by AT+QMMSEDIT=3,1,<optstring>.
- 4) Edit the title by AT+QMMSEDIT=4,1,<optstring>. The character set should be specified as title by AT+QMMSCFG="character",<charset> first.
- 5) Add attachments by AT+QMMSEDIT=5,1,<optstring>. The attachments can be RAM, UFS or SD files. And the files can be uploaded to RAM, UFS or SD card by AT+QFUPL command. After

sending MMS messages successfully, the file should be deleted by AT+QFDEL command. If the attachment is a text file, the character set should be specified by AT+QMMSCFG="character",<charset> first. For more details, please refer to *Quectel\_EC2x&EG9x&EM05\_FILE\_AT\_Commands\_Munual*.

**Step 5:** Send MMS messages by AT+QMMSSEND=<timeout>. It may take some time to send MMS messages successfully. MMS messages should be sent again before output of "+QMMSSEND:<err>,<httprsp>[,<mmsrsp>]" which indicates the ending of sending MMS messages.

**Step 6:** Clear the content of an MMS message by AT+QMMSEDIT=0 and delete the files as attachments by AT+QFDEL. For more details, please refer to *Quectel\_EC2x&EG9x&EM05\_FILE\_AT\_Commands\_Munual*.

**Step 2 to Step 6** can be repeated, and **Step 4 to Step 6** can be repeated too.

## 2 Description of MMS AT Commands

### 2.1. AT+QMMSCFG Configure Parameters of MMS

The command can be used to configure PDP context ID, MMSC, proxy, character type and other MMS parameters. If the Write Command only executes one parameter, it will query the current settings.

#### AT+QMMSCFG Configure Parameters of MMS

Test Command  
AT+QMMSCFG=?

Response  
+QMMSCFG: "contextid",(1-16)  
+QMMSCFG: "mmsc",<URL>  
+QMMSCFG: "proxy",<gateway>,(1-65535)  
+QMMSCFG:  
"character",("ASCII","UTF8","UCS2","GBK")  
+QMMSCFG:  
"sendparam"[,(0-6),(0-3),(0,1),(0,1),(0-2),(0-4)]  
+QMMSCFG: "supportfield",(0,1)

OK

Write Command  
AT+QMMSCFG="contextid"[,<contextid>]

Response  
If <contextID> is not omitted:  
OK  
Or  
+CME ERROR: <err>

If <contextID> is omitted, query the current settings:  
+QMMSCFG: "contextid",<contextID>

OK

Write Command  
AT+QMMSCFG="mmsc"[,<URL>]

Response  
If <URL> is not omitted:  
OK  
Or  
+CME ERROR: <err>

If <URL> is omitted, query the current settings:

	<p><b>+QMMSCFG: "mmsc",&lt;URL&gt;</b></p> <p><b>OK</b></p>
<p>Write Command <b>AT+QMMSCFG="proxy" [&lt;gateway&gt;, &lt;port&gt;]</b></p>	<p>Response If &lt;gateway&gt; and &lt;port&gt; are not omitted, <b>OK</b> Or <b>+CME ERROR: &lt;err&gt;</b></p> <p>If &lt;gateway&gt; and &lt;port&gt; are both omitted, query the current settings: <b>+QMMSCFG: "proxy",&lt;gateway&gt;,&lt;port&gt;</b></p> <p><b>OK</b></p>
<p>Write Command <b>AT+QMMSCFG="character" [&lt;charset&gt;]</b></p>	<p>Response If &lt;charset&gt; is not omitted, <b>OK</b> Or <b>+CME ERROR: &lt;err&gt;</b></p> <p>If &lt;charset&gt; is omitted, query the current settings: <b>+QMMSCFG: "character",&lt;charset&gt;</b></p> <p><b>OK</b></p>
<p>Write Command <b>AT+QMMSCFG="sendparam" [&lt;valid&gt;, &lt;pri&gt;, &lt;sendrep&gt;, &lt;readrep&gt;, &lt;visible&gt;, &lt;class&gt;]</b></p>	<p>Response If &lt;valid&gt;, &lt;pri&gt;, &lt;sendrep&gt;, &lt;readrep&gt;, &lt;visible&gt;, &lt;class&gt; are not omitted: <b>OK</b> Or <b>+CME ERROR: &lt;err&gt;</b></p> <p>If &lt;valid&gt;, &lt;pri&gt;, &lt;sendrep&gt;, &lt;readrep&gt;, &lt;visible&gt;, &lt;class&gt; are all omitted, query the current settings: <b>+QMMSCFG: "sendparam",&lt;valid&gt;,&lt;pri&gt;,&lt;sendrep&gt;,&lt;readrep&gt;,&lt;visible&gt;,&lt;class&gt;</b></p> <p><b>OK</b></p>
<p>Write Command <b>AT+QMMSCFG="supportfield" [&lt;mode&gt;]</b></p>	<p>Response If &lt;mode&gt; is not omitted, <b>OK</b> Or <b>+CME ERROR: &lt;err&gt;</b></p>

If <mode> is omitted, query the current settings:

**+QMMSCFG: "supportfield",<mode>**

**OK**

## Parameter

<b>&lt;contextID&gt;</b>	Integer type. The PDP context ID. The range is 1-16, and the default value is 1.
<b>&lt;URL&gt;</b>	String type. The address of MMSC. The maximum length of URL is 100 bytes.
<b>&lt;gateway&gt;</b>	String type. The IP address of MMS proxy. The maximum length of gateway is 50 bytes.
<b>&lt;port&gt;</b>	Integer type. The port of MMS proxy. The range is 1-65535.
<b>&lt;charset&gt;</b>	String type. The type of character set. "ASCII" US-ASCII character set "UTF8" UTF8 character set "UCS2" ISO-10646-UCS-2 character set, big-endian order needs to be specified "GBK" GBK character set
<b>&lt;valid&gt;</b>	Integer type. The validity period of the MMS message. 0 1 hour 1 12 hours 2 24 hours 3 2 days 4 1 week 5 Maximum 6 Based on network configuration
<b>&lt;pri&gt;</b>	Integer type. The priority of the MMS message. 0 Low 1 Normal 2 High 3 Based on network configuration
<b>&lt;sendrep&gt;</b>	Integer type. Whether to deliver report. 0 No 1 Yes
<b>&lt;readrep&gt;</b>	Integer type. Whether to read report. 0 No 1 Yes
<b>&lt;visible&gt;</b>	Integer type. Whether to hide address. 0 Hide any address 1 Show all addresses, including BCC address 2 Based on network configuration
<b>&lt;class&gt;</b>	Integer type. The class of the MMS message. 0 Personal 1 Advertisement 2 Informational

	3	Auto
	4	Based on the network configuration
<b>&lt;mode&gt;</b>	Integer type. The header option of MMS x-up-calling-id.	
	0	Do not add the header option of MMS x-up-calling-id
	1	Add the header option of MMS x-up-calling-id
<b>&lt;err&gt;</b>	Integer type. The error code of the operation. Please refer to <b>Chapter 5</b> .	

## 2.2. AT+QMMSEIDIT Edit MMS Messages

The command can be used to add the recipient address, edit title and add attachments for MMS messages. The character set of title or text file is set by AT+QMMSCFG="character",<charset>. For example, if the content of a text file uses UTF8 character set, AT+QMMSCFG="character","UTF8" must be executed first.

AT+QMMSEIDIT Edit MMS Messages	
Test Command <b>AT+QMMSEIDIT=?</b>	Response <b>+QMMSEIDIT: (0-5),(0,1),&lt;optstring&gt;</b>  <b>OK</b>
Write Command <b>AT+QMMSEIDIT=0</b>	Delete all contents about MMS messages, response: <b>OK</b> Or <b>+CME ERROR: &lt;err&gt;</b>
Write Command <b>AT+QMMSEIDIT=&lt;function&gt;</b> <function> is not 0	Query the specified settings of <function>, response: <b>List of [+QMMSEIDIT: &lt;function&gt;,&lt;optstring&gt;]</b> <b>OK</b> Or <b>+CME ERROR: &lt;err&gt;</b>
Write Command <b>AT+QMMSEIDIT=&lt;function&gt;,0</b>	Delete the specified settings of <function>, response: <b>OK</b> Or <b>+CME ERROR: &lt;err&gt;</b>
Write Command <b>AT+QMMSEIDIT=&lt;function&gt;,1,&lt;optstring&gt;</b>	Configure the specified settings of <function>, response: <b>OK</b> Or <b>+CME ERROR: &lt;err&gt;</b>

## Parameter

<b>&lt;function&gt;</b>	Integer type. Operated function. 0 Delete all 1 Operate "TO address" 2 Operate "CC address" 3 Operate "BCC address" 4 Operate title 5 Operate file as attachment
<b>&lt;optstring&gt;</b>	String type. If <function>=1, 2 or 3, it is the recipient address. The maximum number of "TO address", "CC address" and "BCC address" is 6. The maximum length of address is 50 bytes. If <function>=4, it is the title. The maximum length of title is 200 bytes. If <function>=5, it is the file name of attachment. If the file name is started with "RAM", "UFS" or "SD" it indicates the file is from RAM, UFS or SD card respectively. It is strongly recommended to use files from RAM as attachments. The max length of file name is 80 bytes, the maximum number of attachments is 12, and the maximum size of attachments is restricted by the operator.
<b>&lt;err&gt;</b>	Integer type. The error code of the operation. Please refer to <b>Chapter 5</b> .

The following examples show how to edit an MMS message.

### 2.2.1. Add Recipients

```
//Add phone number or email address as a recipient. The maximum number of recipients is 6.
AT+QMMSEdit=1,1,"13856122546" //Add a phone number as a recipient.
OK
AT+QMMSEdit=1,1,"recipient.test@quectel.com" //Add an email address as a recipient.
OK
AT+QMMSEdit=1 //Query the recipients' address.
+QMMSEdit: 1,"13856122546"
+QMMSEdit: 1,"recipient.test@quectel.com"

OK

//Delete the recipients by executing AT+QMMSEdit=1,0.
AT+QMMSEdit=1,0 //Delete a recipient.
OK
AT+QMMSEdit=1 //Query the recipients' address.
OK
```

### 2.2.2. Add CC Recipients or BCC Recipients

//The operation of adding CC recipients differs from adding BCC recipients only in <function> value. For CC recipients, the <function> value is 2. For BCC recipients, it is 3.

**AT+QMMSEdit=2,1,"13856122546"** //Add a phone number as a CC recipient.

OK

**AT+QMMSEdit=2** //Query the CC recipient address.

**+QMMSEdit: 2,"13856122546"**

OK

//Delete the CC recipient by executing AT+QMMSEdit=2,0.

**AT+QMMSEdit=2,0** //Delete the CC recipient.

OK

**AT+QMMSEdit=2** //Query the CC recipient address.

OK

### 2.2.3. Edit the Title of MMS Messages

//The character set of title is set by AT+QMMSCFG="character",<charset>. If the <charset> is "ASCII", add the title as follows:

**AT+QMMSCFG="character","ASCII"** //Set the charset as "ASCII".

OK

**AT+QMMSEdit=4,1,"test EM05 mms"** //Edit the title of the MMS message.

OK

**AT+QMMSEdit=4** //Query the title of the MMS message.

**+QMMSEdit: 4,"ASCII","test EM05 mms"**

OK

//If the <charset> is not ASCII, the <optstring> should be the hex string of the inputted data.

**AT+QMMSCFG="character","UTF8"** //Set the charset as "UTF8".

OK

**AT+QMMSEdit=4,1,"7465737420454D3035206D6D73"** //Edit the title of MMS message.  
"7465737420454D3035206D6D73" is the hex string of "test EM05 MMS" in UTF8.

OK

**AT+QMMSEdit=4** //Query the title of the MMS message.

**+QMMSEdit: 4,"UTF8","7465737420454D3035206D6D73"**

OK

//Delete the title by executing AT+QMMSEdit=4,0.

**AT+QMMSEdit=4,0**

//Delete the title of the MMS message.

OK

**AT+QMMSEdit=4**

//Query the title of the MMS message.

OK

## 2.2.4. Add Attachments

//Customers can add attachments for an MMS message. The attachments can be RAM, UFS and SD files, but it is strongly recommended to use RAM files. The maximum number of attachments is 12, and the maximum length of file name is 80 bytes. The total size of attachments may be restricted by the operator. In the following example, the attachment is an RAM text file:

**AT+QFUPL="RAM:test\_mms.txt",100,200,1**

//Upload a file to RAM. The file will be saved as "test\_mms.txt" and the maximum size of file is 100 bytes. 200 indicates timeout value, and 1 indicates ACK mode. For more details, please refer to *Quectel\_EC2x&EG9x&EM05\_FILE\_AT\_Commands\_Manual*.

CONNECT

<Input 100 bytes data>

+QFUPL: 100,0

OK

**AT+QFLST="RAM:\***

//Query the file list of RAM.

+QFLST: "RAM:test\_mms.txt",100

OK

**AT+QMMSCFG="character","ASCII"**

//Set the charset as "ASCII" for "RAM:test\_mms.txt".

OK

**AT+QMMSEdit=5,1,"RAM:test\_mms.txt"**

//Add attachments for the MMS message.

OK

**AT+QMMSEdit=5**

//Query the attachments.

+QMMSEdit: 5,"RAM:test\_mms.txt"

OK

//In the following example, the attachment is an RAM JPG file:

**AT+QFUPL="RAM:test\_pic.jpg",200,300,1**

//Upload a file to RAM. The file will be saved as "test\_pic.jpg" and the maximum size of file is 200 bytes. 300 indicates timeout value, and 1 indicates ACK mode. For more details, please refer to *Quectel\_EC2x&EG9x&EM05\_FILE\_AT\_Commands\_*

*Manual.*

CONNECT

<Input 200 bytes data>

+QFUPL: 200,0

OK

**AT+QFLST="RAM:\***

//Query the file list of RAM.

+QFLST: "RAM:test\_mms.txt",100

+QFLST: "RAM:test\_pic.jpg",200

OK

**AT+QMMSEdit=5,1,"RAM:test\_pic.jpg"**

//“RAM:test\_pic.jpg” is not a text file. There is no need to specify the character set.

OK

**AT+QMMSEdit=5**

//Query the attachments.

+QMMSEdit: 5,"RAM:test\_mms.txt"

+QMMSEdit: 5,"RAM:test\_pic.jpg"

OK

//Delete the attachments by executing AT+QMMSEdit=5,0.

**AT+QMMSEdit=5,0**

//Delete attachments for the MMS message. All attachments will be deleted.

OK

**AT+QMMSEdit=5**

//Query the attachments.

OK

//After the MMS message is sent successfully, RAM files should be deleted by AT+QFDEL.

**AT+QFDEL="RAM:test\_mms.txt"**

//Delete the RAM file.

OK

**AT+QFDEL="RAM:test\_pic.jpg"**

//Delete the RAM file.

OK

**AT+QFLST="RAM:\***

//Query the file list of RAM.

OK

### 2.2.5. Clear all Contents of MMS Messages

//Delete the content, recipients, CC recipients, BCC recipients, title and attachments of an MMS message by AT+QMMSEdit=0.

**AT+QMMSEdit=0**

//Clear all contents of the MMS message.

OK

**AT+QMMSEdit=1**

//Query the recipients.

OK

```

AT+QMMSEDT=2 //Query the CC recipients.
OK
AT+QMMSEDT=3 //Query the BCC recipients.
OK
AT+QMMSEDT=4 //Query the title of the MMS message.
OK
AT+QMMSEDT=5 //Query the attachments.
OK
    
```

## 2.3. AT+QMMSEND Send MMS Messages

AT+QMMSEND is used to send MMS messages. Customers should not re-execute AT+QMMSEND until “+QMMSEND: <err>,<httprsp>,<mmsrsp>” is returned. When the <timeout> is reached, if the process of sending MMS messages has not finished yet, MMS sending will be interrupted.

### AT+QMMSEND Send MMS Messages

Test Command	Response
AT+QMMSEND=?	+QMMSEND: (1-65535)  OK
Write Command AT+QMMSEND=<timeout>	Response OK  +QMMSEND: <err>,<httprsp>[,<mmsrsp>] Or +CME ERROR: <err>

#### Parameter

<timeout>	Integer type. The maximum time to send MMS messages. The range is 1-65535. Unit: second.
<err>	If MMS messages are sent successfully, <err> is 0. Otherwise, <err> indicates the error code of the operation. Please refer to <b>Chapter 5</b> .
<httprsp>	Integer type. The reply code of HTTP(S), for reference only. For example, 200 indicates HTTP(S) posts data successfully. Please refer to <b>Chapter 6</b> .
<mmsrsp>	String type. The reply string from MMSC when MMS messages failed to be sent, for reference only.

## Example

```
AT+QMMSEND=100 //Send an MMS message.  
OK  
+QMMSEND: 0,200 //Indicate the result of sending the MMS message.
```

# 3 Examples

## 3.1. Send MMS Messages

//Step 1: Configure and activate a PDP context.

**AT+QICSGP=1,1,"UNIWAP",,"",1**

//Configure PDP context 1. APN is "UNIWAP" for China Unicom.

OK

**AT+QIACT=1**

//Activate PDP context 1.

OK

//Activated successfully.

**AT+QIACT?**

//Query the state of PDP context.

**+QIACT: 1,1,1,"10.7.157.1"**

OK

**AT+QMMSCFG="contextid",1**

//Set the PDP context ID as 1. The PDP context ID must be activated first.

OK

**AT+QMMSCFG="contextid"**

//Query the PDP context ID.

**+QMMSCFG: "contextid",1**

OK

//Step 2: Configure the URL and proxy of MMSC.

**AT+QMMSCFG="mmsc","mmsc.myuni.com"**

//Configure the URL of MMSC. "mmsc.myuni.com" is for China Unicom.

OK

**AT+QMMSCFG="mmsc"**

//Query the URL of MMSC.

**+QMMSCFG: "mmsc","mmsc.myuni.com"**

OK

**AT+QMMSCFG="proxy","10.0.0.172",80**

//Configure the proxy address and port of MMSC. "10.0.0.172:80" is for China Unicom.

OK

**AT+QMMSCFG="proxy"**

//Query the proxy address and port of MMSC.

**+QMMSCFG: "proxy","10.0.0.172",80**

OK

```
//Step 3: Configure sending parameters.
AT+QMMSCFG="sendparam",6,2,0,0,2,4 //Configure the sending parameters.
OK
AT+QMMSCFG="sendparam" //Query the sending parameters.
+QMMSCFG: "sendparam",6,2,0,0,2,4

OK

//Step 4: Edit the MMS message.
AT+QMMSEdit=1,1,"13856122546" //Add a phone number as a recipient.
OK
AT+QMMSEdit=2,1,"copy.test@quectel.com" //Add an email address as a CC recipient.
OK
AT+QMMSEdit=3,1,"secret.test@quectel.com" //Add an email address as a BCC recipient.
OK
AT+QMMSEdit=1 //Query the recipient address.
+QMMSEdit: 1,"13856122546"

OK
AT+QMMSEdit=2 //Query the CC recipient address.
+QMMSEdit: 2,"copy.test@quectel.com"

OK
AT+QMMSEdit=3 //Query the BCC recipient address.
+QMMSEdit: 3,"secret.test@quectel.com"

OK
AT+QMMSCFG="character","ASCII" //Configure the character type as ASCII for title.
OK
AT+QMMSEdit=4,1,"test EM05 mms" //Edit the title of the MMS message.
OK
AT+QMMSEdit=4 //Query the title of the MMS message.
+QMMSEdit: 4,"ASCII","test EM05 mms"

OK

//Add attachments.
AT+QFupl="RAM:test_ram.txt",100,300,1 //Upload a file to RAM. The file will be saved as
// "test_ram.txt" and the maximum size of file is 100
// bytes. 300 indicates timeout value, and 1
// indicates ACK mode. For more details, please
// refer to Quectel_EC2x&EG9x&EM05_FILE_AT_
// Commands_Manual.

CONNECT
```

```
<Input 100 bytes data>
+QFUPL: 100,0

OK
AT+QFLST="RAM:* " //Query the file list of RAM.
+QFLST: "RAM:test_ram.txt",100

OK
AT+QMMSCFG="character","ASCII" //Configure the character type as ASCII for
"RAM:test_ram.txt".

OK
AT+QMMSEEDIT=5,1,"RAM:test_ram.txt" //Add attachments for the MMS message.
"test_ram.txt" is an RAM file.

OK
AT+QMMSEEDIT=5 //Query the attachments.
+QMMSEEDIT: 5,"RAM:test_ram.txt"

OK
AT+QFUPL="RAM:test_pic.jpg",200,300,1 //Upload a file to RAM. The file will be saved as
"test_pic.jpg" and the maximum size of file is 200
bytes. 300 indicates timeout value, and 1
indicates ACK mode. For more details, please
refer to Quectel_EC2x&EG9x&EM05_FILE_AT_
Commands_Manual.

CONNECT
<Input 200 bytes data>
+QFUPL: 200,0

OK
AT+QFLST="RAM:*" //Query the file list of RAM.
+QFLST: "RAM:test_ram.txt",100
+QFLST: "RAM:test_pic.jpg",200

OK
AT+QMMSEEDIT=5,1,"RAM:test_pic.jpg" //"RAM:test_pic.jpg" is not a text file. There is no
need to specify the character set.

OK
AT+QMMSEEDIT=5 //Query the attachments.
+QMMSEEDIT: 5,"RAM:test_ram.txt"
+QMMSEEDIT: 5,"RAM:test_pic.jpg"

OK
//Step 5: Send the MMS message.
```

```
AT+QMMSEND=100 //Send the MMS message.
OK
+QMMSEND: 0,200 //Indicate the result of sending the MMS message.
//Step 6: Clear content of the MMS message.
AT+QMMSEDIT=0 //Clear the content of the MMS message.
OK
AT+QFDEL="RAM:test_ram.txt" //Delete the RAM file.
OK
AT+QFDEL="RAM:test_pic.jpg" //Delete the RAM file.
OK
```

# 4 Error Handling

## 4.1. Executing MMS AT Commands Fails

When executing MMS AT commands, if response “ERROR” is received from the module, please check whether the (U)SIM card is inserted, and whether it is “+CPIN: READY” returned when executing AT+CPIN?.

## 4.2. PDP Activation Fails

If it is failed to activate a PDP context by AT+QIACT command, please check the following configurations:

1. Query whether PS domain is attached or not by AT+CGATT? command. If not, please execute AT+CGATT=1 to attach PS domain.
2. Query the PS domain status by AT+CGREG? command and make sure the PS domain has been registered.
3. Query the PDP context parameters by AT+QICSGP command and make sure the APN of specified PDP context has been set.
4. Make sure the specified PDP context ID is neither used by PPP nor activated by AT+CGACT command.
5. According to 3GPP specifications, the module only supports three PDP contexts activated simultaneously, so customers must make sure the number of activated PDP contexts is less than 3.

If all above configurations are correct, but activating the PDP context by AT+QIACT command still fails, please reboot the module to resolve this issue. After rebooting the module, please check the configurations mentioned above for at least three times and each time at an interval of 10 minutes to avoid frequently rebooting the module.

## 4.3. Error Response of AT+QMMSSEND

“+QMMSSEND: <err>,<httprsp>[,<mmsrsp>]” will be returned after executing AT+QMMSSEND. If <err> is not 0, it indicates that MMS sending failed, and please resend it. If resending is not successful, please deactivate the PDP context by AT+QIDEACT command and re-activate it by AT+QIACT command, then send the MMS message again.

# 5 Summary of Error Codes

The error code <err> indicates an error related to mobile equipment or network. The details about <err> are described in the following table.

**Table 1: Summary of Error Codes**

<err>	Meaning
751	Unknown error
752	URL length error
753	URL error
754	Invalid proxy type
755	Proxy address error
756	Invalid parameter
757	Recipient address full
758	CC recipient address full
759	BCC recipient address full
760	Attachments full
761	File error
762	No recipient
763	File not found
764	MMS busy
765	Server response failed
766	Error response of HTTP(S) post
767	Invalid report of HTTP(S) post
768	PDP activation failed

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769	PDP deactivated
770	Socket creation failed
771	Socket connection failed
772	Socket read failed
773	Socket write failed
774	Socket closed
775	Timeout
776	Encode data error
777	HTTP(S) decode data error

---

# 6 Description of HTTP(S) Response Codes

The HTTP(S) protocol error code <httprsp> indicates an error replied from MMSC. Please refer to *RFC2616* (Hypertext Transfer Protocol--HTTP/1.1). The details about <httprsp> are described in the following table.

**Table 2: Description of HTTP(S) Response Code**

<httprsp>	Meaning
200	OK
400	Bad request
403	Forbidden
404	Not found
409	Conflict
411	Length required
500	Internal server error
502	Bad gate way

# 7 Appendix A References

**Table 3: Related Documents**

SN	Document Name	Remark
[1]	Wap-209-mmsencapsulation-20020105-a	Wap MMS protocol standard package of documents
[2]	RFC2616	Hypertext transfer protocol--HTTP/1.1
[3]	Quectel_EC2x&EG9x&EM05_FILE_AT_Commands_Manual	EC2x&EG9x&EM05 FILE AT commands manual
[4]	Quectel_EC2x&EG9x&EM05_TCP(IP)_AT_Commands_Manual	Introduction about EC2x&EG9x&EM05 TCP/IP AT commands
[5]	Quectel_EC25&EC21_AT_Commands_Manual	EC25&EC21 AT commands manual
[6]	Quectel_EG9x_AT_Commands_Manual	EG9x AT commands manual
[7]	Quectel_EM05_AT_Commands_Manual	EM05 AT commands manual

**Table 4: Terms and Abbreviations**

Abbreviation	Description
BCC	Blind Carbon Copy
CC	Carbon Copy
HTTP	Hypertext Transfer Protocol
MMS	Multimedia Messaging Service
MMSC	Multimedia Messaging Service Center
PDP	Packet Data Protocol
SD	Secure Digital
UFS	User File Storage
URL	Uniform Resource Locator