



# Release Notes

## MMS Generator



**SIERRA**  
WIRELESS®

4115417  
1.0  
February 20, 2014

## Important Notice

Due to the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or be totally lost. Although significant delays or losses of data are rare when wireless devices such as the Sierra Wireless modem are used in a normal manner with a well-constructed network, the Sierra Wireless modem should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. Sierra Wireless accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the Sierra Wireless modem, or for failure of the Sierra Wireless modem to transmit or receive such data.

## Safety and Hazards

Do not operate the Sierra Wireless modem in areas where cellular modems are not advised without proper device certifications. These areas include environments where cellular radio can interfere such as explosive atmospheres, medical equipment, or any other equipment which may be susceptible to any form of radio interference. The Sierra Wireless modem can transmit signals that could interfere with this equipment. Do not operate the Sierra Wireless modem in any aircraft, whether the aircraft is on the ground or in flight. In aircraft, the Sierra Wireless modem **MUST BE POWERED OFF**. When operating, the Sierra Wireless modem can transmit signals that could interfere with various onboard systems.

---

*Note: Some airlines may permit the use of cellular phones while the aircraft is on the ground and the door is open. Sierra Wireless modems may be used at this time.*

---

The driver or operator of any vehicle should not operate the Sierra Wireless modem while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In some states and provinces, operating such communications devices while in control of a vehicle is an offence.

## Limitations of Liability

This manual is provided "as is". Sierra Wireless makes no warranties of any kind, either expressed or implied, including any implied warranties of merchantability, fitness for a particular purpose, or noninfringement. The recipient of the manual shall endorse all risks arising from its use.

The information in this manual is subject to change without notice and does not represent a commitment on the part of Sierra Wireless. SIERRA WIRELESS AND ITS AFFILIATES SPECIFICALLY DISCLAIM LIABILITY FOR ANY AND ALL DIRECT, INDIRECT, SPECIAL, GENERAL, INCIDENTAL, CONSEQUENTIAL, PUNITIVE OR EXEMPLARY DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS OR REVENUE OR ANTICIPATED PROFITS OR REVENUE ARISING OUT OF THE USE OR INABILITY TO USE ANY SIERRA WIRELESS PRODUCT, EVEN IF SIERRA WIRELESS AND/OR ITS AFFILIATES HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR THEY ARE FORESEEABLE OR FOR CLAIMS BY ANY THIRD PARTY.

Notwithstanding the foregoing, in no event shall Sierra Wireless and/or its affiliates aggregate liability arising under or in connection with the Sierra Wireless product, regardless of the number of events, occurrences, or claims giving rise to liability, be in excess of the price paid by the purchaser for the Sierra Wireless product.

Customer understands that Sierra Wireless is not providing cellular or GPS (including A-GPS) services. These services are provided by a third party and should be purchased directly by the Customer.

**SPECIFIC DISCLAIMERS OF LIABILITY:** CUSTOMER RECOGNIZES AND ACKNOWLEDGES SIERRA WIRELESS IS NOT RESPONSIBLE FOR AND SHALL NOT BE HELD LIABLE FOR ANY DEFECT OR DEFICIENCY OF ANY KIND OF CELLULAR OR GPS (INCLUDING A-GPS) SERVICES.

## Patents

This product may contain technology developed by or for Sierra Wireless Inc.

This product includes technology licensed from QUALCOMM®.

This product is manufactured or sold by Sierra Wireless Inc. or its affiliates under one or more patents licensed from InterDigital Group and MMP Portfolio Licensing.

## Copyright

© 2014 Sierra Wireless. All rights reserved.

## Trademarks

Sierra Wireless®, AirPrime®, AirLink®, AirVantage®, WISMO® and the Sierra Wireless and Open AT logos are registered trademarks of Sierra Wireless, Inc. or one of its subsidiaries.

Watcher® is a registered trademark of Netgear, Inc., used under license.

Windows® and Windows Vista® are registered trademarks of Microsoft Corporation.

Macintosh® and Mac OS X® are registered trademarks of Apple Inc., registered in the U.S. and other countries.

QUALCOMM® is a registered trademark of QUALCOMM Incorporated. Used under license.

Other trademarks are the property of their respective owners.

## Contact Information

Sales Desk:	Phone:	1-604-232-1488
	Hours:	8:00 AM to 5:00 PM Pacific Time
	Contact:	<a href="http://www.sierrawireless.com/sales">http://www.sierrawireless.com/sales</a>
Post:	Sierra Wireless 13811 Wireless Way Richmond, BC Canada V6V 3A4	
Technical Support:	<a href="mailto:support@sierrawireless.com">support@sierrawireless.com</a>	
RMA Support:	<a href="mailto:repairs@sierrawireless.com">repairs@sierrawireless.com</a>	
Fax:	1-604-231-1109	
Web:	<a href="http://www.sierrawireless.com/">http://www.sierrawireless.com/</a>	

Consult our website for up-to-date product descriptions, documentation, application notes, firmware upgrades, troubleshooting tips, and press releases: [www.sierrawireless.com](http://www.sierrawireless.com)

## Document History

Version	Date	Updates
1.0	February 20, 2014	Creation



# Contents

<b>1. MMS GENERATOR V1.3 RELEASE NOTES (JUNE 17, 2011)</b>	<b>7</b>
1.1. Bugs Fixed	7
1.2. Improvements	7
<b>2. MMS GENERATOR V1.2 RELEASE NOTES (MAY 26, 2011)</b>	<b>8</b>
2.1. Bugs Fixed	8
2.2. Improvements	8
<b>3. MMS GENERATOR V1.1 RELEASE NOTES (MAY 24, 2011)</b>	<b>9</b>
3.1. Bugs Fixed	9
<b>4. MMS GENERATOR 1.0 RELEASE NOTES (APRIL 28, 2011)</b>	<b>10</b>
4.1. Nominal Tests	10
4.2. Files	10
4.3. API Functions from SCOM_MMSGGENERATOR__HIGHLEVEL_API.c	11
4.3.1. Debug Mode: If Flag "DEBUG" Is Defined	12
4.4. Tests	12
4.4.1. Creation and Sending of an Empty MMS with/from SFR to ORANGE	12
4.4.1.1. Version	12
4.4.1.2. Description	12
4.4.1.3. Initial Conditions	12
4.4.1.4. Notes	13
4.4.2. Creation and Sending of a Basic MMS with/from SFR to ORANGE	13
4.4.2.1. Version	13
4.4.2.2. Description	13
4.4.2.3. Initial Conditions	13
4.4.2.4. Notes	14
4.4.3. Creation and Sending of a Custom MMS (Default Configuration, Default Presentation) with/from SFR to ORANGE	14
4.4.3.1. Version	14
4.4.3.2. Description	15
4.4.3.3. Initial Conditions	15
4.4.3.4. Notes	16
4.4.4. Creation and Sending of a Custom MMS (Custom Configuration, Default Presentation) with/from SFR to ORANGE	16
4.4.4.1. Version	16
4.4.4.2. Description	16
4.4.4.3. Initial Conditions	16
4.4.4.4. Notes	17
4.4.5. Creation and Sending of a Custom MMS (Default Configuration, Custom Presentation) with/from SFR to ORANGE	18
4.4.5.1. Version	18
4.4.5.2. Description	18
4.4.5.3. Initial Conditions	18
4.4.5.4. Notes	19
4.4.6. Creation and Sending of a Custom MMS (Custom Configuration, Custom Presentation) with/from SFR to ORANGE	19
4.4.6.1. Version	19
4.4.6.2. Description	19
4.4.6.3. Initial Conditions	19

4.4.6.4. Notes.....	20
---------------------	----



# 1. MMS Generator v1.3 Release Notes (June 17, 2011)

## 1.1. Bugs Fixed

ID	Description
BUG2516 (Minor)	MMS File name problem: doesn't work with 4 characters

## 1.2. Improvements

Improved some memory handling.

Deleted obsolete comments.



## 2. MMS Generator v1.2 Release Notes (May 26, 2011)

### 2.1. Bugs Fixed

ID	Description
BUG2388 (Minor) - TC-28228	Default MMS Configuration - Empty from works.
BUG2389 (Minor) - TC-28229	Default MMS Configuration - Empty "to" - recipient - address - no error code returned.

### 2.2. Improvements

Improved function "SCOM\_addText (char\* text): the list of MMS elements is initialized inside this function if it has not been initialized before.



## >> 3. MMS Generator v1.1 Release Notes (May 24, 2011)

### 3.1. Bugs Fixed

ID	Description
BUG2377 (Minor) - TC-28269	Wrong returned error code when file type not allowed.
BUG2378 (Minor) - TC-28270	No slide created - no returned error code.
BUG2380 (Minor) - TC-28236	Element extension - wrong returned error code.
BUG2381 (Minor) - TC-28218	IPv4 address syntaxes - wrong checking.
BUG2382 (Minor) - TC-28221	Wrong Num-shortcode address - no error code returned.
BUG2383 (Minor) - TC-28214	Unexpected error IPv6 address.
BUG2384 (Minor) - TC-28215	Global phone number - unexpected error.
BUG2385 (Minor) - TC-28207	Wrong reply charging deadline value - no error code returned.
BUG2386 (Minor) - TC-28208	Wrong reply charging Size value - no error code returned.
BUG2387 (Minor) - TC-28209	Reply Charging ID too long - wrong returned error code.
BUG2388 (Minor) - TC-28228	Default MMS Configuration - Empty from works.
BUG2389 (Minor) - TC-28229	Default MMS Configuration - Empty "to" - recipient - address - no error code returned.



## 4. MMS Generator 1.0 Release Notes (April 28, 2011)

### 4.1. Nominal Tests

The following information and tests are presented in the sections below.

- Files
- API Functions from SCOM\_MMMSGENERATOR\_HIGHLEVEL\_API.C
- Tests:
  - Creation and sending of an Empty MMS with/from SFR to ORANGE
  - Creation and sending of a Basic MMS with/from SFR to ORANGE
  - Creation and sending of a Custom MMS (default configuration, default presentation) with/from SFR to ORANGE
  - Creation and sending of a Custom MMS (custom configuration, default presentation) with/from SFR to ORANGE
  - Creation and sending of a Custom MMS (default configuration, custom presentation) with/from SFR to ORANGE
  - Creation and sending of a Custom MMS (custom configuration, custom presentation) with/from SFR to ORANGE

### 4.2. Files

SCOM\_MMMSGENERATOR\_\_HIGHLEVEL\_API.c

SCOM\_MMMSGENERATOR\_\_HIGHLEVEL\_API.h

SCOM\_MMMSGENERATOR\_\_LOWLEVEL\_API.c

SCOM\_MMMSGENERATOR\_\_LOWLEVEL\_API.h

SCOM\_MMMSGENERATOR\_\_MMS\_CREATION\_FUNCTIONS.c

SCOM\_MMMSGENERATOR\_\_MMS\_CREATION\_FUNCTIONS.h

SCOM\_MMMSGENERATOR\_\_MMS\_ADDRESSES\_SYNTAX\_CHECKING\_FUNCTIONS.c

SCOM\_MMMSGENERATOR\_\_MMS\_ADDRESSES\_SYNTAX\_CHECKING\_FUNCTIONS.h

SCOM\_MMMSGENERATOR\_\_CONSTANTS.h

SCOM\_MMMSGENERATOR\_\_ERRORS.h

SCOM\_MMMSGENERATOR\_\_FLAGS.h

### 4.3. API Functions from SCOM\_MMSGENERATOR\_\_HIGHLEVEL\_API.c

- SCOM\_setMMSDefaultConfiguration(char\* from, char\* to)

*Set default MMS configuration, i.e. set the mandatory options.*

- SCOM\_getMMSConfiguration()

*Return the current MMS configuration in a variable of type "Configuration".*

- SCOM\_setMMSConfiguration(Configuration configuration)

*Set the configuration "configuration" as a new configuration for the MMS.*

- SCOM\_createPresentation(char\* SMILFile)

*Create a presentation for the MMS, i.e. specifies that the MMS is using a presentation. Must be of type "SMIL". If "SMILFile" is NULL, the presentation model used is the one written in the software, i.e. the "default" presentation.*

- SCOM\_createSlide()

*Create a slide (in a presentation).*

- SCOM\_addElement(char\* elementAddress)

*Add a multimedia element in a slide previously created.*

*Type (extension)*

*accepted: .txt, .vcs, .vcf, .vcard, .gif, .jpg, .jpeg, .wbmp, .png, .fl, .mid, .midi, .3gp, .3g2*

- SCOM\_addText(char\* text)

*Add a text "directly from a string" in a slide previously created*

- SCOM\_createBasicMMS(char\* MMSFileName, char\* from, char\* to)

*Create/Generate a Basic MMS:*

- MMS configuration is the default one and can't be modified.
- No presentation used

- SCOM\_createCustomMMS(char\* MMSFileName)

*Create/Generate a Custom MMS:*

- MMS configuration can be the default one or set by the user
- Uses a presentation:
  - Can be the default one: createPresentation(NULL)

- Can be specified by the user: createPresentation(SMILFileAddress)

### 4.3.1. Debug Mode: If Flag “DEBUG” Is Defined

- SCOM\_displayConfiguration()  
*Display the current MMS configuration*
- SCOM\_displayElementsList()  
*Display the current MMS multimedia elements*

## 4.4. Tests

### 4.4.1. Creation and Sending of an Empty MMS with/from SFR to ORANGE

#### 4.4.1.1. Version

v1.0

#### 4.4.1.2. Description

- Creation of an Empty MMS – no multimedia elements.

#### 4.4.1.3. Initial Conditions

- Windows XP
- MinGW 32 Compiler
- Testcom, speed : 115200 bps
- C-ANSI Standard libraries
- SFR SIM card

STEPS	EXPECTED RESULT
MinGW - .C manipulations	
SCOM_createBasicMMS("TESTMMSFINAL_EMPTYMMS","+33618207168/TYPE=PLMN","+33673378043/TYPE=PLMN")	0x00 – TESTMMSFINAL_EMPTYMMS “.MMS” created
Testcom	
AT+CPIN?	READY
AT+CREG?	0,1
AT+KMMCNF=0,1	OK

STEPS	EXPECTED RESULT
AT+KMMCNF=1,"http://mms1"	OK
AT+KMMCNF=3,"mssfr","",,"010.151.000.001",0	OK
AT+KMMCNF=4,1	OK
AT+KPSD="MMS","ALL"	OK
AT+KPSW="MMS",[MMSFileName.MMS size in bytes]	CONNECT
Choose MMS file, Send MMS file (on the right)	NO CARRIER +KPSW: "4D4D53XXXXXXXXXX XXXXX"
AT+KPSSEND="ID on 13 bits"	OK +KPSSR: "4D4D530000000000 0064"0,...

#### 4.4.1.4. Notes

- Don't forget to compile your .c test file: gcc -Wall -ansi -pedantic yourfile.c -o yourfile
- If any errors from C manipulations, refer to "SCOM\_MMSGGENERATOR\_\_ERRORS.h" file
- If AT+CPIN? response is 'OK', you need to enter the pin code: AT+CPIN="code"
- For any CME ERROR, look at the AT commands Data Sheet.
- It seems, although the sending, the reception of an empty MMS is not working. The fact that the MMS doesn't contain any element seems to be a problem.

### 4.4.2. Creation and Sending of a Basic MMS with/from SFR to ORANGE

#### 4.4.2.1. Version

v1.0

#### 4.4.2.2. Description

- Creation of a Basic MMS – Default configuration, no presentation. Files:
  - val3.txt
  - ballon\_anim.gif
  - valtest.mid

#### 4.4.2.3. Initial Conditions

- Windows XP
- MinGW 32 Compiler
- Testcom, speed : 115200 bps
- C-ANSI Standard libraries

- SFR SIM card

STEPS	EXPECTED RESULT
MinGW - .C manipulations	
SCOM_addElement("val3.txt")	0x00
SCOM_addText("juste du text")	0x00
SCOM_addElementballon_anim.gif")	0x00
SCOM_addElement("valtest.mid")	0x00
SCOM_createBasicMMS("TESTMMSFINAL_BASICMMS", "+33618207168/TYPE=PLMN", "+33673378043/TYPE=PLMN")	0x00 – TESTMMSFINAL_BASIC MMS".MMS" created
Testcom	
AT+CPIN?	READY
AT+CREG?	0,1
AT+KMMCNF=0,1	OK
AT+KMMCNF=1,"http://mms1"	OK
AT+KMMCNF=3,"mmsfr","", "", "010.151.000.001",0	OK
AT+KMMCNF=4,1	OK
AT+KPSD="MMS", "ALL"	OK
AT+KPSW="MMS", MMS file size	CONNECT
Choose MMS file, Send MMS file (on the right)	NO CARRIER +KPSW: "4D4D53XXXXXXXXXXXX XXX"
AT+KPSSEND="ID on 13 bits"	OK +KPSSR: "4D4D5300000000000006 4",0,...

#### 4.4.2.4. Notes

- Don't forget to compile your .c test file: gcc -Wall -ansi -pedantic yourfile.c -o yourfile
- If any errors from C manipulations, refer to "SCOM\_MMSGGENERATOR\_\_ERRORS.h" file
- If AT+CPIN? response is 'OK', you need to enter the pin code: AT+CPIN="code"
- For any CME ERROR, look at the AT commands Data Sheet.

### 4.4.3. Creation and Sending of a Custom MMS (Default Configuration, Default Presentation) with/from SFR to ORANGE

#### 4.4.3.1. Version

v1.0

### 4.4.3.2. Description

- Creation of a Custom MMS – Default configuration, default presentation. Files:
  - val3.txt
  - ballon\_anim.gif
  - valtest.mid
  - valtest1.jpeg

### 4.4.3.3. Initial Conditions

- Windows XP
- MinGW 32 Compiler
- Testcom, speed : 115200 bps
- C-ANSI Standard libraries
- SFR SIM card

STEPS	EXPECTED RESULT
MinGW - .C manipulations	
SCOM_setDefaultMMSConfiguration	0x00
SCOM_createPresentation(NULL)	0x00
SCOM_createSlide()	0x00
SCOM_addElement("val3.txt")	0x00
SCOM_addElement("valtest1.jpeg")	0x00
SCOM_addElement("valtest.mid")	0x00
SCOM_createSlide()	0x00
SCOM_addText("Slide sans élément")	0x00
SCOM_createSlide()	0x00
SCOM_addText("Regarde ces beaux ballons!")	0x00
SCOM_addElement("ballon_anim.gif")	0x00
SCOM_createSlide()	0x00
SCOM_addText("Autre slide sans texte")	0x00
SCOM_createCustomMMS("TESTMMSFINAL_CUSTOMMMSDFTCFGDFTPRE")	0x00 – TESTMMSFINAL_CUSTOMMMSDFTCFGDFTPRE".MMS" created
Testcom	
AT+CPIN?	READY
AT+CREG?	0,1
AT+KMMCNF=0,1	OK
AT+KMMCNF=1,"http://mms1"	OK
AT+KMMCNF=3,"mmsfr","",",",",010.151.000.001",0	OK
AT+KMMCNF=4,1	OK
AT+KPSD=",MMS", "ALL"	OK
AT+KPSW=",MMS",MMS file size	CONNECT
Choose MMS file, Send MMS file (on the right)	NO CARRIER +KPSW: "4D4D53XXXXXXXXXXXXXXXXXX"

STEPS	EXPECTED RESULT
AT+KPSSEND="ID on 13 bits"	OK +KPSSR: "4D4D530000000000000064",0,...

#### 4.4.3.4. Notes

- Don't forget to compile your .c test file: gcc -Wall -ansi -pedantic yourfile.c -o yourfile
- If any errors from C manipulations, refer to "SCOM\_MMSGGENERATOR\_\_ERRORS.h" file
- If AT+CPIN? response is 'OK', you need to enter the pin code: AT+CPIN="code"
- For any CME ERROR, look at the AT commands Data Sheet.

### 4.4.4. Creation and Sending of a Custom MMS (Custom Configuration, Default Presentation) with/from SFR to ORANGE

#### 4.4.4.1. Version

v1.0

#### 4.4.4.2. Description

- Creation of a Custom MMS – Custom configuration, default presentation. Files:
  - val3.txt
  - ballon\_anim.gif
  - valtest.mid
  - valtest1.jpeg

#### 4.4.4.3. Initial Conditions

- Windows XP
- MinGW 32 Compiler
- Testcom, speed : 115200 bps
- C-ANSI Standard libraries
- SFR SIM card

STEPS	EXPECTED RESULT
MinGW - .C manipulations	
Configuration getConfig	/
getConfig = SCOM_getMMSConfiguration()	/
getConfig.messageType = 0x80	/
getConfig.transactionID = "20"	/
getConfig.MMSVersion = 0x92	/



STEPS	EXPECTED RESULT
getConfig.from = "+33673378043/TYPE=PLMN"	/
getConfig.to = "+33673378043/TYPE=PLMN"	/
getConfig.contentType = 0xB3	/
getConfig.priority = 0x80	/
getConfig.senderVisibility = 0x81	/
SCOM_setMMSConfiguration(getConfig)	0x00
SCOM_createPresentation(NULL)	0x00
SCOM_createSlide()	0x00
SCOM_addElement("val3.txt")	0x00
SCOM_addElement("valtest1.jpeg")	0x00
SCOM_addElement("valtest.mid")	0x00
SCOM_createSlide()	0x00
SCOM_addText("Slide sans élément")	0x00
SCOM_createSlide()	0x00
SCOM_addText("Regarde ces beaux ballons!")	0x00
SCOM_addElement("ballon_anim.gif")	0x00
SCOM_createSlide()	0x00
SCOM_addText("Autre slide sans texte")	0x00
SCOM_createCustomMMS("TESTMMSFINAL_CUSTOMMMSCUSCFGDFTPRE")	0x00 – TESTMMSFINAL_CUSTOMMMSDFTCFGDFTPRE".MMS" created
<b>Testcom</b>	
AT+CPIN?	READY
AT+CREG?	0,1
AT+KMMCNF=0,1	OK
AT+KMMCNF=1,"http://mms1"	OK
AT+KMMCNF=3,"mmsfr","", "", "010.151.000.001",0	OK
AT+KMMCNF=4,1	OK
AT+KPSD="MMS", "ALL"	OK
AT+KPSW="MMS", MMS file size	CONNECT
Choose MMS file, Send MMS file (on the right)	NO CARRIER +KPSW: "4D4D53XXXXXXXXXXXXXXXXXX"
AT+KPSEND="ID on 13 bits"	OK +KPSSR: "4D4D5300000000000064",0,...

#### 4.4.4.4. Notes

- Don't forget to compile your .c test file: gcc -Wall -ansi -pedantic yourfile.c -o yourfile
- If any errors from C manipulations, refer to "SCOM\_MMSGGENERATOR\_\_ERRORS.h" file
- If AT+CPIN? response is 'OK', you need to enter the pin code: AT+CPIN="code"
- For any CME ERROR, look at the AT commands Data Sheet.

## 4.4.5. Creation and Sending of a Custom MMS (Default Configuration, Custom Presentation) with/from SFR to ORANGE

### 4.4.5.1. Version

v1.0

### 4.4.5.2. Description

- Creation of a Custom MMS – Default configuration, custom presentation. Files:
  - val3.txt
  - ballon\_anim.gif
  - valtest.mid
  - valtest1.jpeg

### 4.4.5.3. Initial Conditions

- Windows XP
- MinGW 32 Compiler
- Testcom, speed : 115200 bps
- C-ANSI Standard libraries
- SFR SIM card

STEPS	EXPECTED RESULT
MinGW - .C manipulations	
SCOM_setDefaultMMSConfiguration	0x00
SCOM_createPresentation("SMILee.smil")	0x00
SCOM_addElement("val3.txt")	0x00
SCOM_addElement("valtest1.jpeg")	0x00
SCOM_addElement("valtest.mid")	0x00
SCOM_addText("Slide sans élément")	0x00
SCOM_addText("Regarde ces beaux ballons!")	0x00
SCOM_addElement("ballon_anim.gif")	0x00
SCOM_addText("Autre slide sans texte")	0x00
SCOM_createCustomMMS("TESTMMSFINAL_CUSTOMMMSDFTCFGDFTPRE".MMS)	0x00 – TESTMMSFINAL_CUSTOMMMSDFTCFGDFTPRE".MMS" created
Testcom	
AT+CPIN?	READY
AT+CREG?	0,1
AT+KMMCNF=0,1	OK
AT+KMMCNF=1,"http://mms1"	OK
AT+KMMCNF=3,"mmsfr","", "", "010.151.000.001",0	OK

STEPS	EXPECTED RESULT
AT+KMMCNF=4,1	OK
AT+KPSD="MMS", "ALL"	OK
AT+KPSW="MMS", MMS file size	CONNECT
Choose MMS file, Send MMS file (on the right)	NO CARRIER +KPSW: "4D4D53XXXXXXXXXXXXXXXXXX"
AT+KPSSEND="ID on 13 bits"	OK +KPSSR: "4D4D5300000000000064",0,...

#### 4.4.5.4. Notes

- Don't forget to compile your .c test file: gcc -Wall -ansi -pedantic yourfile.c -o yourfile
- If any errors from C manipulations, refer to "SCOM\_MMSEGENERATOR\_\_ERRORS.h" file
- If AT+CPIN? response is 'OK', you need to enter the pin code: AT+CPIN="code"
- For any CME ERROR, look at the AT commands Data Sheet.

### 4.4.6. Creation and Sending of a Custom MMS (Custom Configuration, Custom Presentation) with/from SFR to ORANGE

#### 4.4.6.1. Version

v1.0

#### 4.4.6.2. Description

- Creation of a Custom MMS – Custom configuration, custom presentation. Files:
  - val3.txt
  - ballon\_anim.gif
  - valtest.mid
  - valtest1.jpeg

#### 4.4.6.3. Initial Conditions

- Windows XP
- MinGW 32 Compiler
- Testcom, speed : 115200 bps
- C-ANSI Standard libraries
- SFR SIM card

STEPS	EXPECTED RESULT
MinGW - .C manipulations	
Configuration getConfig	/
getConfig = SCOM_getMMSConfiguration()	/
getConfig.messageType = 0x80	/
getConfig.transactionID = "20"	/
getConfig.MMSVersion = 0x92	/
getConfig.from = "+33673378043/TYPE=PLMN"	/
getConfig.to = "+33673378043/TYPE=PLMN"	/
getConfig.contentType = 0xB3	/
getConfig.priority = 0x80	/
getConfig.senderVisibility = 0x81	/
SCOM_setMMSConfiguration(getConfig)	0x00
SCOM_createPresentation("SMILee.smil")	0x00
SCOM_addElement("val3.txt")	0x00
SCOM_addElement("valtest1.jpeg")	0x00
SCOM_addElement("valtest.mid")	0x00
SCOM_addText("Slide sans élément")	0x00
SCOM_addText("Regarde ces beaux ballons!")	0x00
SCOM_addElement("ballon_anim.gif")	0x00
SCOM_addText("Autre slide sans texte")	0x00
SCOM_createCustomMMS("TESTMMSFINAL_CUSTOMMMSCUSCFGDFTPRE")	0x00 – TESTMMSFINAL_CUSTOMMMSDFTCFGDFTPRE".MMS" created
Testcom	
AT+CPIN?	READY
AT+CREG?	0,1
AT+KMMCNF=0,1	OK
AT+KMMCNF=1,"http://mms1"	OK
AT+KMMCNF=3,"mmsfr","",,"010.151.000.001",0	OK
AT+KMMCNF=4,1	OK
AT+KPSD="MMS","ALL"	OK
AT+KPSW="MMS",MMS file size	CONNECT
Choose MMS file, Send MMS file (on the right)	NO CARRIER +KPSW: "4D4D53XXXXXXXXXXXXXXXXXX"
AT+KPSEND="ID on 13 bits"	OK +KPSSR: "4D4D5300000000000064",0,...

#### 4.4.6.4. Notes

- Don't forget to compile your .c test file: gcc -Wall -ansi -pedantic yourfile.c -o yourfile
- If any errors from C manipulations, refer to "SCOM\_MMSGGENERATOR\_\_ERRORS.h" file
- If AT+CPIN? response is 'OK', you need to enter the pin code: AT+CPIN="code"

For any CME ERROR, look at the AT commands Data Sheet.



**SIERRA**  
WIRELESS®