



# Variant FCC RF Test Report

APPLICANT : Motorola Mobility, Inc.  
EQUIPMENT : Mobile Phone  
BRAND NAME : Motorola  
MODEL NAME : XT685  
MARKETING NAME : MOTOLUXE XT685  
GPPD NUMBER : 3402  
FCC ID : IHDP56MM5  
STANDARD : FCC Part 15 Subpart C §15.247  
CLASSIFICATION : (DTS) Digital Transmission System

This is a variant report which is only valid together with the original test report. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown the compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai / Manager



## SPORTON INTERNATIONAL INC.

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# 1 General Description

## 1.1 Applicant

Motorola Mobility, Inc.  
8F, No. 9, Songgao Rd., Taipei 110, Taiwan, R.O.C.

## 1.2 Manufacturer

Chi Mei Communication Systems, Inc.  
No. 4, Mingsheng Street, Tucheng District, New Taipei City, 23678, Taiwan

## 1.3 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	Mobile Phone
Brand Name	Motorola
Model Name	XT685
Marketing Name	MOTOLUXE XT685
FCC ID	IHDP56MM5
Tx/Rx Frequency Range	2400 MHz ~ 2483.5 MHz
Number of Channels	11
Carrier Frequency of Each Channel	2412+(n-1)*5 MHz; n=1~11
Channel Spacing	5 MHz
Antenna Type	PIFA Antenna
HW Version	PR1
SW Version	SW2_170
Type of Modulation	802.11b : DSSS (BPSK / QPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)
EUT Stage	Identical Prototype

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

## Appendix A. Product Equality Declaration

### Chi Mei Communication System Inc.

Tel: 886-2-2268-5511; Fax: 886-2-2269-2922

Date: May 29, 2012

### Product Equality Declaration

We, Chi Mei Communication System Inc., declare on our sole responsibility for the product of XT615 (model name) as below:

The difference between XT615 #3149 (900/2100) and XT685#3402 (900/2100) are:

- ◆ CPU difference : XT615 use 800MHz CPU, XT685 use 1GHz CPU.
- ◆ SIM difference : XT615 is single SIM, and XT685 is dual SIM.
- ◆ Battery difference : XT615 is SNN5843A, and XT685 is SNN5891A
- ◆ LCD Panel difference: XT615 is TOSHIBA\_LT040MDT9000, and XT685 is Truly\_TFT3P3446-M-E
- ◆ Color difference: XT615 is Black, and XT685 is white
- ◆ PCB is the same with XT615 (900/2100), only BOM difference listed below:

Reference	3149 (EU variant)		3402 (1G-Dual SIM)		Note
	Part Number	Description	Part Number	Description	
R902	SR004730231	RES_47K_0201 ±1 %_1/20W_RM02FT N4702	SR000000252	RES_0Ω_0201 ±5% _1/20W_RM02JTN0	HWID
R908	SR039030251	RES_390K_0201 ±5 %_1/20W_RM02JT N394	SR000000252	RES_0Ω_0201 ±5% _1/20W_RM02JTN0	HWID
U301	SA0227A00A0	IC_MSM7227A-0_3. 3V_11*11*1.05_576 P_NSP	SA02271A0A0	IC_CPU_1GHz_4.28V _11*11*1.05mm_576P _NSP	3149:MSM 7227A 3402:MSM 7227A-AA
CON104	N/A	Did not install	MEIRM47002A	CONN_SIM_6P_8.5* 15.9*0.5mm	2 <sup>nd</sup> SIM reader
X701	SX0032K012H	CRYSTAL_32.768K Hz_CL:12.5pF_±20p pm_3.2*1	SX0032M012X	XTAL_32.768K_CL:7 pF_±20ppm_3.2*1.5*0 .9_Swatch	3402: uses 2 <sup>nd</sup> source to avoid shortage



ESD1901	SG012033110	ESD_Chip SMD Transient Voltage Suppressor	SG18131D0A0	ESD_TVS_CL-12V/1 A_OP-5V_1.25pF_2P SOD882	3402: uses 2 <sup>nd</sup> source to avoid shortage
ESD1902	SG012033110	ESD_Chip SMD Transient Voltage Suppressor	SG18131D0A0	ESD_TVS_CL-12V/1 A_OP-5V_1.25pF_2P SOD882	3402: uses 2 <sup>nd</sup> source to avoid shortage

Except Listings above, the others are the same as previous version.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours,

**James Wen**

**Chi Mei Communication System Inc.**

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## **Appendix B. Original Report**

Please refer to Sporton report number FR1O0527B as below.