FCC Test Report

APPLICANT : Motorola Mobility, LLC EQUIPMENT : Mobile Cellular Phone

BRAND NAME : Motorola MODEL NAME : 3600

FCC ID : IHDT56QD2

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION: Certification

The product was received on Sep. 11, 2014 and testing was completed on Sep. 26, 2014. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2009 and has been in 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: Louis Wu / Manager

Louis Wu

Approved by: Jones Tsai / Manager





Report No. : FC491144

SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC491144	Rev. 01	Initial issue of report	Oct. 10, 2014

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SUMMARY OF TEST RESULT

Report Section	FCC Rule Description		Limit	Result	Remark
					Under limit
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	7.30 dB at
					0.190 MHz
					Under limit
3.2	15.109	15.109 Radiated Emission	< 15.109 limits	PASS	7.64 dB at
					720.000 MHz

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1. General Description

1.1. Applicant

Motorola Mobility, LLC

222 W Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, United States

1.2. Manufacturer

Motorola Mobility, LLC

222 W Merchandise Mart Plaza, Suite 1800, Chicago, IL 60654, United States

1.3. Product Feature of Equipment Under Test

	Product Fe	ature			
Equipment	Mobile Cellu	Mobile Cellular Phone			
Brand Name	Motorola				
Model Name	3600				
FCC ID	IHDT56QD2	2			
IMEI	3593200500	014850			
	GSM/EGPRS/WCDMA/HSPA/LTE/NFC				
	2.4GHz	WLAN 11b/g/n HT20 WLAN 11ac VHT20			
EUT supports Radios application	5GHz	WLAN 11a/n HT20/HT40 WLAN 11ac VHT20/VHT40/VHT80			
	Bluetooth v3.0 EDR				
	Bluetooth v4.0 LE				
HW Version	P2				
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.

Accessory List						
AC Adapter	Brand Name : Motorola					
AC Adapter	Model Name : SPN5864A					
Earphone	Brand Name : Motorola					
Laipilolle	Model Name : SJYN1305A					
Pottory	Brand Name : LG					
Battery	Model Name : SNN5953A					
LICE Coble	Brand Name : Motorola					
USB Cable	Model Name : SKN6466A					

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1.4. Product Specification subjective to this standard

Product Specification subjective to this standard						
Tx Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band IV: 1712.4 MHz ~ 1752.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz 802.11b/g/n/ac: 2412 MHz ~ 2462 MHz 802.11a/n/ac: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~ 5580 MHz and 5660 MHz ~ 5700 MHz; 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz					
Rx Frequency	GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band IV: 2112.4 MHz ~ 2152.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz LTE Band 5: 869.7 MHz ~ 893.3 MHz LTE Band 41: 2498.5 MHz ~ 2687.5 MHz 802.11b/g/n/ac: 2412 MHz ~ 2462 MHz 802.11a/n/ac: 5180 MHz ~ 5240 MHz; 5260 MHz ~ 5320 MHz; 5500 MHz ~ 5580 MHz and 5660 MHz ~ 5700 MHz; 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz GPS: 1.57542 GHz NFC: 13.56 MHz					
Antenna Type	WWAN: Fixed Internal Antenna LTE: Fixed Internal Antenna WLAN: Monopole(IFA) Antenna Bluetooth: Monopole(IFA) Antenna GPS: IFA Antenna NFC: Loop (FPC + Ferrite) Antenna					

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Product Specification subjective to this standard							
	GSM: GMSK GPRS: GMSK EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK WCDMA: QPSK (Uplink) HSDPA: QPSK (Uplink) HSUPA: QPSK (Uplink) LTE: QPSK / 16QAM						
Type of Modulation	802.11b: DSSS (DBPSK / DQPSK / CCK) 802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM) 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM) Bluetooth LE: GFSK Bluetooth (1Mbps): GFSK Bluetooth (2Mbps): π /4-DQPSK Bluetooth (3Mbps): 8-DPSK GPS: BPSK NFC: ASK						

1.5. Modification of EUT

No modifications are made to the EUT during all test items.

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1.6. Test Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation TW1022 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

Test Site	SPORTON INTERNATIONAL INC.				
	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park,				
Test Site Location	Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.				
Test Site Location	TEL: +886-3-327-3456				
	FAX: +886-3-328-4978				
Toot Site No	Sporton	Site No.			
Test Site No.	CO05-HY	03CH06-HY			

1.7. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC 47 CFR FCC Part 15 Subpart B
- ANSI C63.4-2009

Remark:

- 1. All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. For FCC 15 Subpart B Unintentional Radiators, device supports FM Radio (Receiver) shall be authorized as "FM broadcast receiver" per the Section 15.101 (a) Equipment authorization of unintentional radiators.
- 3. For other Unintentional Radiators features of this EUT, test reports are issued separately. Per the Note of the Section 15.101, when device supports features (USB, FM Radio, digital devices...etc.) more than one category of authorization, type of authorization shall be appropriately chosen for FCC 15B compliance rule, and the Section 15.101 (b), only those receivers that operate (tune) within the frequency range of 30-960 MHz, CB receivers and radar detectors are subject to the authorizations shown in paragraph (a) of the Section 15.101. However, receivers indicated as being subject to Declaration of Conformity that are contained within a transceiver, the transmitter portion of which is subject to certification, shall be authorized under the verification procedure

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2. Test Configuration of Equipment Under Test

2.1. Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2009 and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (30MHz to the 5th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

The following tables are showing the test modes as the worst cases and recorded in this report.

		Те	st Condition	on
Item	EUT Configuration	EMI EMI AC RE<1G F		EMI RE≥1G
1	Data application transferred mode			\boxtimes
'.	(EUT connected with notebook)			

Abbreviations:

EMI AC: AC conducted emissions

EMI RE ≥ 1G: EUT radiated emissions ≥ 1GHz

EMI RE < 1G: EUT radiated emissions < 1GHz

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Test Items	EUT Configure Mode	Function Type
AC Conducted		Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx + Battery + USB Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP
Emission	1	Mode 2: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx + Battery + USB Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP
Radiated	Radiated .	Mode 1: GSM850 Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx + Battery + USB Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP
Emissions < 1GHz	1	Mode 2: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx + Battery + USB Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP
Radiated Emissions ≥ 1GHz	1	Mode 1: WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx + Battery + USB Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP

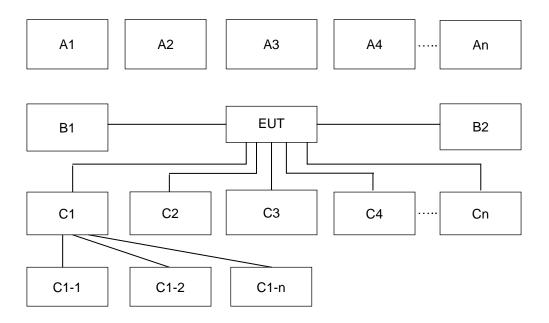
Remark:

- 1. The worst case of AC is mode 1; only the test data of this mode was reported.
- 2. The worst case of RE < 1G is mode 2; only the test data of this mode was reported.
- Data Link with Notebook means data application transferred mode between EUT and Notebook.

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2.2. Connection Diagram of Test System



Radiation and Conduction Test Setup									
No.	Wireless Station	Connection Type		Test Mode					
NO.	Wireless Station	Connection Type	1	2	-	-	-	-	-
A1	BT Earphone	Bluetooth	Х	Χ					
A2	System Simulator	GSM / WCDMA	Х	Χ					
A3	GPS Station	GPS Station GPS X X		Χ					
A4 AP router		WiFi	Χ	Χ					
No.	Setup Peripherals	Connection Type	1	2	-	-	-	-	-
C1	Notebook	USB cable	Х	Χ					
C1-1	IPod	USB Cable to C1	Х	Х					
C1-2	AP router	RJ-45 Cable to C1	Х	Х					
C2	Earphone	Earphone jack	Х	Χ					

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2.3. Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	Pendulum	GSG-54	N/A	N/A	Unshielded, 1.8 m
3.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
4.	WLAN AP	D-Link	DIR-865L	KA2IR865LA1	N/A	Unshielded, 1.8 m
5.	Notebook	DELL	Latitude E6320	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
6.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A

2.4. EUT Operation Test Setup

The EUT was in GSM or WCDMA idle mode during the testing. The EUT was synchronized to the BCCH, and was in continuous receiving mode by setting system simulator's paging reorganization.

The EUT was attached to the Bluetooth earphone and WLAN AP, and the following programs installed in the EUT were programmed during the test.

- 1. Data application is transferred between Laptop and EUT via USB cable.
- 2. Execute "GPS Test" to make the EUT continuously receive signals from GPS station.

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3. Test Result

3.1. Test of AC Conducted Emission Measurement

3.1.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of emission	Conducted	limit (dBuV)
(MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

^{*}Decreases with the logarithm of the frequency.

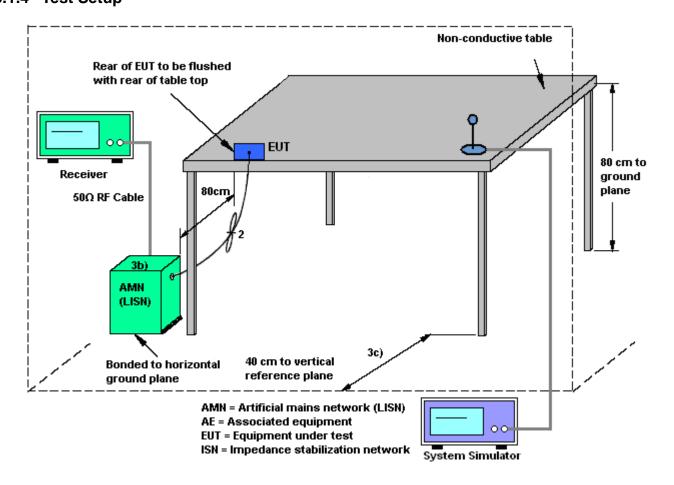
3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedure

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least
 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other LISN.
- 4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- 5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
- 6. Both sides of AC line were checked for maximum conducted interference.
- 7. The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.1.4 Test Setup

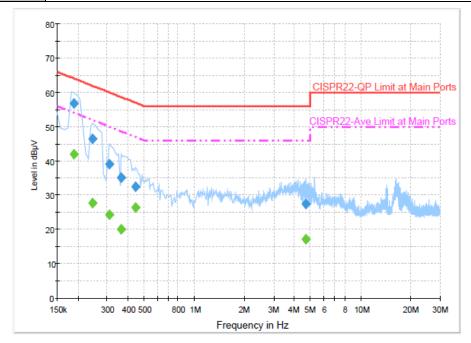


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3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	20~22 ℃				
Test Engineer :	Kai-Chun Chu	Relative Humidity :	46~48%				
Test Voltage :	120Vac / 60Hz	Phase :	Line				
Function Type	GSM850 Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx + Battery + USB						
Function Type :	Cable (Data Link with Noteb	Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP					



Final Result : Quasi-Peak

Frequency	Quasi-Peak	F:ltan	1:	Corr.	Margin	Limit
(MHz)	(dBµV)	Filter	Line	(dB)	(dB)	(dBµV)
0.190000	56.7	Off	L1	19.3	7.3	64.0
0.246000	46.6	Off	L1	19.4	15.3	61.9
0.310000	39.1	Off	L1	19.5	20.9	60.0
0.366000	35.0	Off	L1	19.5	23.6	58.6
0.446000	32.5	Off	L1	19.5	24.4	56.9
4.710000	27.4	Off	L1	19.6	28.6	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	42.0	Off	L1	19.3	12.0	54.0
0.246000	27.8	Off	L1	19.4	24.1	51.9
0.310000	24.2	Off	L1	19.5	25.8	50.0
0.366000	20.0	Off	L1	19.5	28.6	48.6
0.446000	26.5	Off	L1	19.5	20.4	46.9
4.710000	17.2	Off	L1	19.6	28.8	46.0

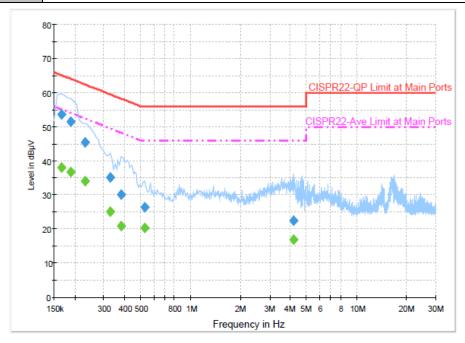
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Test Mode :	Mode 1	Temperature :	20~22 ℃				
Test Engineer :	Kai-Chun Chu	Relative Humidity :	46~48%				
Test Voltage :	120Vac / 60Hz	Phase :	Neutral				
Function Type	GSM850 Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx + Battery + USB						
Function Type :	Cable (Data Link with Noteb	Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP					



Final Result : Quasi-Peak

Frequency (MHz)	Quasi-Peak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	53.6	Off	N	19.4	11.6	65.2
0.190000	51.6	Off	N	19.4	12.4	64.0
0.230000	45.4	Off	N	19.4	17.0	62.4
0.326000	35.1	Off	N	19.5	24.5	59.6
0.382000	30.2	Off	N	19.5	28.0	58.2
0.526000	26.3	Off	N	19.5	29.7	56.0
4.150000	22.5	Off	N	19.6	33.5	56.0

Final Result : Average

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.166000	37.9	Off	N	19.4	17.3	55.2
0.190000	36.7	Off	N	19.4	17.3	54.0
0.230000	34.0	Off	N	19.4	18.4	52.4
0.326000	25.2	Off	N	19.5	24.4	49.6
0.382000	21.0	Off	N	19.5	27.2	48.2
0.526000	20.2	Off	N	19.5	25.8	46.0
4.150000	17.0	Off	N	19.6	29.0	46.0

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3.2. Test of Radiated Emission Measurement

3.2.1. Limit of Radiated Emission

The emissions from an unintentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

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3.2.2. Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.2.3. Test Procedures

- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The table was rotated 360 degrees to determine the position of the highest radiation.
- 4. The antenna is a Bi-Log antenna and its height is adjusted between one to four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- 5. For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- 6. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode (RBW=120kHz/VBW=300kHz for frequency below 1GHz; RBW=1MHz VBW=3MHz (Peak), RBW=1MHz/VBW=10Hz (Average) for frequency above 1GHz).
- 7. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, peak values of EUT will be reported. Otherwise, the emission will be repeated by using the quasi-peak method and reported.
- 8. Emission level $(dB\mu V/m) = 20 \log Emission level (\mu V/m)$
- 9. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

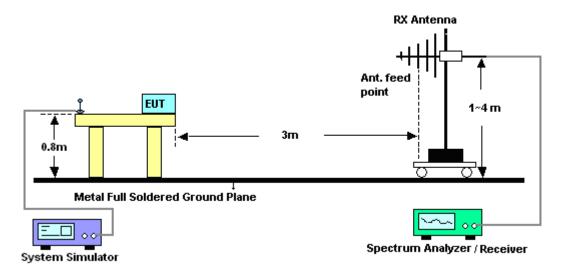
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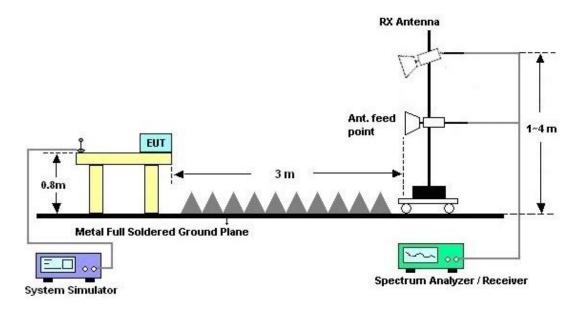
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3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



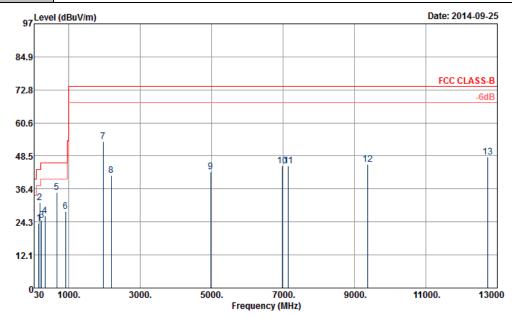
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3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 2	Temperature :	20~22°C					
Test Engineer :	Donny Pang	Relative Humidity :	45~47%					
Test Distance :	3m	Polarization :	Horizontal					
Function Type	WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx +							
Function Type :	Battery + USB Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP							
Remark :	#7 is system simulator signa	#7 is system simulator signal which can be ignored.						



Site : 03CH06-HY

Condition : FCC CLASS-B 3m HF-ANT_583_140731 HORIZONTAL

Project : 491144

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	MHz	$\overline{\mathtt{d}}\overline{\mathtt{B}}\overline{\mathtt{u}}\overline{\mathtt{V}}7\overline{\mathtt{m}}$	<u>dB</u>	$\overline{d}\overline{B}\overline{u}\overline{V}7\overline{m}$	<u>dBu</u> ₹	$-\overline{dB7m}$	<u>dB</u>	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$		deg	
1 2 3 4 5 6 7 8 9	154.74 187.14 240.06 333.60 665.40 914.60 1960.00 2188.00 4972.00	23.70 31.37 24.99 26.51 35.06 28.08 53.79 41.31 42.57	-19.80 -12.13 -21.01 -19.49 -10.94 -17.92 -32.69 -31.43	43.50 43.50 46.00 46.00 46.00 46.00 74.00 74.00	43.85 52.61 43.55 42.46 44.81 35.06 77.55 64.08 59.41	10.20 9.04 11.49 13.81 19.45 21.05 31.33 31.81 34.49	1.40 1.47 1.69 1.99 2.83 3.36 5.40 5.92 9.11	31.75 31.74 31.75 32.03 31.39 60.49 60.50 60.44	217	110	Peak Peak Peak Peak Peak Peak Peak Peak
10 11 12 13	6976.00 7150.00 9372.00 12742.00	44.88 44.98 45.40 48.19	-29.12 -29.02 -28.60 -25.81	74.00 74.00 74.00 74.00	58.48 57.97 56.34 53.00	35.80 35.77 36.36 39.40	11.00 11.70 13.61 15.79	60.40 60.46 60.91 60.00	142		Peak Peak Peak Peak

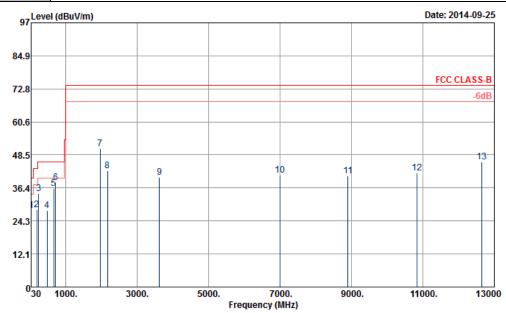
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Test Mode :	Mode 2	Temperature :	20~22°C				
Test Engineer :	Donny Pang	Relative Humidity :	45~47%				
Test Distance :	3m	Polarization :	Vertical				
Function Type	WCDMA Band II Idle + Bluetooth Idle + WLAN Idle + Earphone + GPS Rx +						
Function Type :	Battery + USB Cable (Data Link with Notebook) + RJ-45 Cable + iPod + WLAN AP						
Remark :	#7 is system simulator signal which can be ignored.						



Site : 03CH06-HY

: FCC CLASS-B 3m HF-ANT_583_140731 VERTICAL Condition

Project

	Freq	Level	Over Limit	Limit Line		Antenna Factor		Preamp Factor	A/Pos	T/Pos	Remark
	MHz	$\overline{\mathtt{d}}\overline{\mathtt{B}}\overline{\mathtt{u}}\overline{\mathtt{V}}7\overline{\mathtt{m}}$	<u>dB</u>	$\overline{d}\overline{B}\overline{u}\overline{V}7\overline{m}$	<u>dBu</u> ₹	$-\overline{dB7m}$	dB	$\phantom{aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa$		deg	
1	30.00	28.04	-11.96	40.00	40.70	18.50	0.64	31.80			Peak
2	190.65 240.06	28.24 34.34	-15.26 -11.66	43.50 46.00	49.40 52.90	9.10 11.49	1.49 1.69	31.75 31.74			Peak Peak
4 5	480.60 664.00	28.07 36.32	-17.93 -9.68	46.00 46.00	40.06 46.07	17.61 19.45	2.31 2.83	31.91 32.03			Peak Peak
6 7	720.00 1960.00	38.36 50.84	-7.64	46.00	47.62 74.60	19.80 31.33	2.95 5.40	32.01 60.49	147		Peak Peak
9	2166.00 3622.00	42.74 40.21	-31.26 -33.79	74.00 74.00	65.58	31.80 32.79	5.86 7.03	60.50 61.47			Peak Peak
10	6998.00	41.07	-32.93	74.00	54.52	35.80	11.15	60.40			Peak
11 12	8900.00 10838.00	40.90 41.84	-33.10 -32.16	74.00 74.00	51.91 50.18	35.92 37.61	13.29 13.58	60.22 59.53			Peak Peak
13	12646.00	45.91	-28.09	74.00	50.75	39.36	15.72	59.92	100	212	Peak

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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100356	9kHz ~ 2.75GHz	Nov. 15, 2013	Sep. 24, 2014	Nov. 14, 2014	Conduction (CO05-HY)
LISN (for auxiliary equipment)	Rohde & Schwarz	ENV216	100081	9kHz ~ 30MHz	Dec. 12, 2013	Sep. 24, 2014	Dec. 11, 2014	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz ~ 30MHz	Dec. 04, 2013	Sep. 24, 2014	Dec. 03, 2014	Conduction (CO05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Sep. 24, 2014	N/A	Conduction (CO05-HY)
Spectrum Analyzer	R&S	FSP30	101067	9kHz ~ 30GHz	Nov. 20, 2013	Sep. 25, 2014~ Sep. 26, 2014	Nov. 19, 2014	Radiation (03CH06-HY)
Spectrum Analyzer	Agilent	E4408B	MY44211030	9kHz ~ 26.5GHz	Dec. 02, 2013	Sep. 25, 2014~ Sep. 26, 2014	Dec. 01, 2014	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESVS10	834468/0003	20MHz ~ 1000MHz	May 06, 2014	Sep. 25, 2014~ Sep. 26, 2014	May 05, 2015	Radiation (03CH06-HY)
Bilog Antenna	Schaffner	CBL6112B	2885	30MHz ~ 2GHz	Oct. 10, 2013	Sep. 25, 2014~ Sep. 26, 2014	Oct. 09, 2014	Radiation (03CH06-HY)
Double Ridge Horn Antenna	EMCO	3117	00066583	1GHz ~ 18GHz	Jul. 24, 2014	Sep. 25, 2014~ Sep. 26, 2014	Jul. 23, 2015	Radiation (03CH06-HY)
Amplifier	SONOMA	310N	186713	9kHz ~ 1GHz	Apr. 16, 2014	Sep. 25, 2014~ Sep. 26, 2014	Apr. 15, 2015	Radiation (03CH06-HY)
Preamplifier	EMCI	EMC051845	SN980048	1GHz ~ 18GHz	Jul. 17, 2014	Sep. 25, 2014~ Sep. 26, 2014	Jul. 16, 2015	Radiation (03CH06-HY)
Loop Antenna	TESEQ	HLA 6120	31244	9 kHz~30 MhZ	Dec. 02, 2012	Sep. 25, 2014~ Sep. 26, 2014	Dec. 01, 2014	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0 ~ 360 degree	N/A	Sep. 25, 2014~ Sep. 26, 2014	N/A	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF78020821 2	1 m ~ 4 m	N/A	Sep. 25, 2014~ Sep. 26, 2014	N/A	Radiation (03CH06-HY)

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5. Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

	4
Measuring Uncertainty for a Level of	2.26
Confidence of 95% (U = 2Uc(y))	2.20

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of	4.50	
Confidence of 95% (U = 2Uc(y))	4.50	

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