FCC Test Report

APPLICANT : Motorola Mobility, LLC EQUIPMENT : Mobile Cellular Phone

BRAND NAME : Motorola MODEL NAME : 8028

FCC ID : IHDT56VA2

STANDARD : FCC 47 CFR FCC Part 15 Subpart B

CLASSIFICATION: Certification

The product was received on Feb. 03, 2016 and testing was completed on Feb. 26, 2016. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures given in ANSI C63.4-2014 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

Lunis Wu

Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL INC.

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

SPORTON INTERNATIONAL INC.

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Testing Laboratory 1190

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FC620325	Rev. 01	Initial issue of report	Mar. 17, 2016
FC620325	Rev. 02	Adding the photos showing the LISN	Apr. 28, 2016

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SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	15.107	AC Conducted Emission	< 15.107 limits	PASS	Under limit 8.40 dB at 0.190 MHz
3.2	15.109	Radiated Emission	< 15.109 limits	PASS	Under limit 6.73 dB at 31.620 MHz

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1. General Description

1.1. Applicant

Motorola Mobility, LLC

222 W. Merchandise Mart Plaza, Chicago IL 60654 USA

1.2. Manufacturer

Motorola Mobility, LLC

222 W. Merchandise Mart Plaza, Chicago IL 60654 USA

1.3. Product Feature of Equipment Under Test

	Product Feature
Equipment	Mobile Cellular Phone
Brand Name	Motorola
Model Name	8028
FCC ID	IHDT56VA2
IMEI Code	SIM1: 354117070005990
INIEI Code	SIM2: 354117070006006
	GSM/EGPRS/WCDMA/HSPA/LTE/FM
	WLAN 11b/g/n HT20
EUT supports Radios application	WLAN 11a/n HT20/HT40
	Bluetooth v3.0 EDR
	Bluetooth v4.0 LE
HW Version	DVT2
EUT Stage	Identical Prototype

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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						
Fornhana	Brand Name: Motorola					
Earphone	Model Name: SJYN1181B					
USB Cable	Brand Name: Motorola					
USB Cable	Model Name: SKN6462A					

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1.4. Product Specification of Equipment Under Test

Standards-related Product Specification					
GSM850: 824.2 MHz ~ 848.8 MHz					
	GSM1900: 1850.2 MHz ~ 1909.8MHz				
	WCDMA Band V: 826.4 MHz ~ 846.6 MHz				
	WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz				
	LTE Band 5 : 824.7 MHz ~ 848.3 MHz				
Tx Frequency	LTE Band 7 : 2502.5 MHz ~ 2567.5 MHz				
TX Frequency	802.11b/g/n: 2412 MHz ~ 2462 MHz				
	802.11a/n: 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				
	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 II: 1932.4 MHz ~ 1987.6 MHz				
	LTE Band 5 : 869.7 MHz ~ 893.3 MHz				
	LTE Band 7 : 2622.5 MHz ~ 2687.5 MHz				
Rx Frequency	802.11b/g/n: 2412 MHz ~ 2462 MHz				
Tix i requestoy	802.11a/n: 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				
	FM : 88 MHz ~ 108 MHz				
	WWAN: Fixed Internal Antenna				
	WLAN: Fixed Internal Antenna				
Antenna Type	Bluetooth: Fixed Internal Antenna				
	GPS: Fixed Internal Antenna				
	FM: External headset Antenna				
	GSM: GMSK				
	GPRS: GMSK				
	EDGE(MCS 0-4): GMSK / (MCS 5-9): 8PSK				
	WCDMA: QPSK (Uplink)				
	HSDPA: 64QAM (Downlink)				
	HSUPA: QPSK (Uplink)				
	LTE: QPSK / 16QAM				
Type of Modulation	802.11b: DSSS (DBPSK / DQPSK / CCK)				
	802.11a/g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)				
	Bluetooth LE : GFSK				
	Bluetooth (1Mbps) : GFSK				
	Bluetooth (2Mbps) : π /4-DQPSK				
	Bluetooth (3Mbps): 8-DPSK				
	GPS: BPSK				
	FM:FM				

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1.5. Modification of EUT

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

1.6. Test Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. 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,				
Took Cita Location	Kwei-Shan District, Tao Yuan City, 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 C63.4-2014

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Remark:

- 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 supporting USB interface or similar peripherals (defined as the Section 15.3 (r) Peripheral device) acting as a peripheral for personal computers shall be authorized as "The Class B personal computers and peripherals" per the Section 15.101 (a) Equipment authorization of unintentional radiators.
- 3. For other Unintentional Radiators features of this EUT, test reports are be 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 C63.4-2014 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	est Condition	on
Item	EUT Configuration	ЕМІ	ЕМІ	EMI
		AC	RE<1G	RE≥1G
1.	Data application transferred mode (EUT with notebook)	\boxtimes	\boxtimes	\boxtimes

Abbreviations:

EMI AC: AC conducted emissions

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

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

Test Items	EUT Configure Mode	Function Type
AO O and heat al		Mode 1: GSM1900 Idle + Bluetooth Idle + WLAN Idle + Earphone + Battery + USB Cable (Data Link with Notebook) + SIM 1
AC Conducted Emission	1	Mode 2: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + Earphone + Battery + USB Cable (Data Link with Notebook) + SIM 2
Dodieted		Mode 1: GSM1900 Idle + Bluetooth Idle + WLAN Idle + Earphone + Battery + USB Cable (Data Link with Notebook) + SIM 1
Radiated Emissions < 1GHz	1	Mode 2: WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + Earphone + Battery + USB Cable (Data Link with Notebook) + SIM 2
Radiated Emissions ≥ 1GHz	1	Mode 1: GSM1900 Idle + Bluetooth Idle + WLAN Idle + Earphone + Battery + USB Cable (Data Link with Notebook) + SIM 1

Remark:

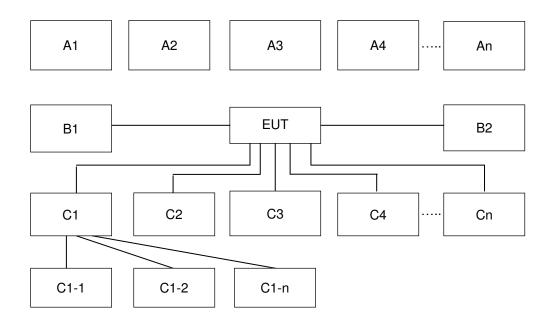
- 1. The worst case of AC is mode 2; only the test data of this mode was reported.
- 2. The worst case of RE < 1G is mode 1; only the test data of this mode was reported.
- 3. Data Link with Notebook means data application transferred mode between EUT and Notebook.

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2.2. Connection Diagram of Test System



Conduction and Radiation Test Setup									
No.	Wireless Station	Connection Type 1		Test Mode					
NO.			1	2	-	-	-	-	-
A1	Bluetooth Earphone	Bluetooth	Х	Х					
A2	System Simulator	GSM/UMTS/CDMA/ WCDMA/LTE	Х	Х					
A3	WLAN AP	WiFi	Х	Х					
No.	Setup Peripherals	Connection Type	1	2	-	-	-	-	-
C1	Notebook	USB Cable	Х	Х					
C1-1	iPod	USB Cable to C1	Х	Х					
C1-2	WLAN AP	RJ-45 Cable to C1	Х	Х					
C2	Earphone	Earphone jack	Х	Х					
C3	SD Card	SD I/O interface without Cable	Х	Х					

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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.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	D-Link	DIR-865L	KA2IR865LA1	N/A	Unshielded, 1.8 m
4.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
5.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
6.	iPod	Apple	A1199	FCC DoC	Shielded, 1.0 m	N/A
7.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
8.	Notebook	DELL	Latitude E6320	FCC DoC/ Contains FCC ID: QDS-BRCM1054	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
9.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	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 is in continuous receiving mode by setting system simulator's paging reorganization.

The EUT was attached to the Bluetooth earphone or 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.

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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

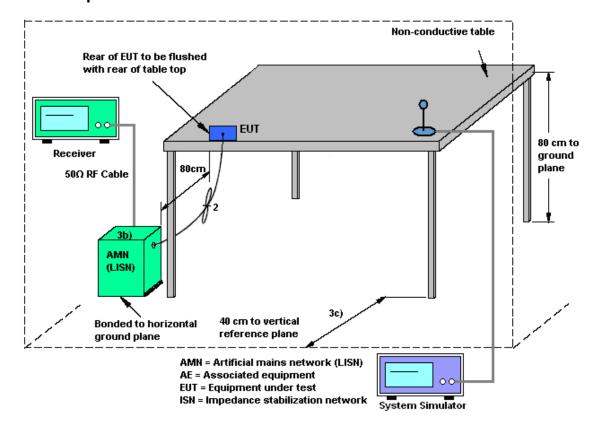
- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- 2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connecting to the other 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.
- 8. 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.

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3.1.4 Test Setup

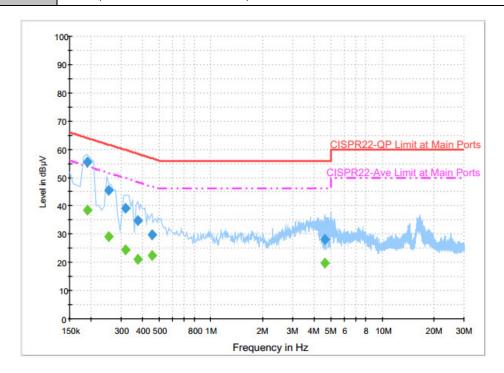


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3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 2	Temperature :	22~23 ℃				
Test Engineer :	Derreck Chen and Kai-Chun Chu	Relative Humidity :	58~59%				
Test Voltage :	120Vac / 60Hz	Phase :	Line				
Function Tune	WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + Earphone + Battery + USB						
Function Type :	Cable (Data Link with Notebook) + SIM 2						



Final Result : Quasi-Peak

Frequency (MHz)	Quasi-Peak (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	55.6	Off	L1	19.6	8.4	64.0
0.254000	45.3	Off	L1	19.6	16.3	61.6
0.318000	39.3	Off	L1	19.6	20.5	59.8
0.374000	34.6	Off	L1	19.6	23.8	58.4
0.454000	29.9	Off	L1	19.6	26.9	56.8
4.606000	28.0	Off	L1	19.7	28.0	56.0

Final Result : Average

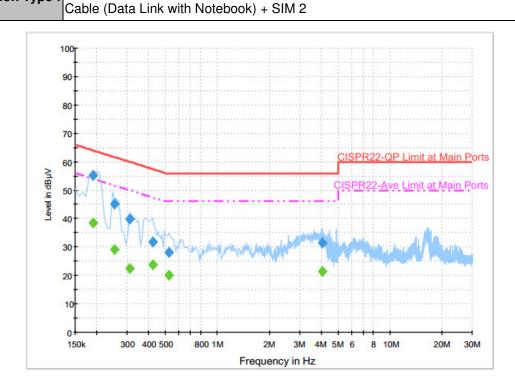
Frequency	Average	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)			(dB)	(dB)	(dBµV)
0.190000	38.4	Off	L1	19.6	15.6	54.0
0.254000	29.3	Off	L1	19.6	22.3	51.6
0.318000	24.5	Off	L1	19.6	25.3	49.8
0.374000	21.1	Off	L1	19.6	27.3	48.4
0.454000	22.4	Off	L1	19.6	24.4	46.8
4.606000	19.6	Off	L1	19.7	26.4	46.0

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Test Mode :	Mode 2	de 2 Temperature : 2				
Test Engineer :	Derreck Chen and Kai-Chun Chu	Relative Humidity :	58~59%			
Test Voltage :	120Vac / 60Hz	Phase :	Neutral			
Function Type .	WCDMA Band V Idle + Bluetooth Idle + WLAN Idle + Earphone + Battery + USB					
Function Type:	Cable (Date Link with Natalean) CIM C					



Final Result : Quasi-Peak

Frequency (MHz)	Quasi-Peak (dB _µ V)	Filter	Line	Corr.	Margin (dB)	Limit (dBµV)
0.190000	55.3	Off	N	19.6	8.7	64.0
0.254000	45.3	Off	N	19.6	16.3	61.6
0.310000	39.8	Off	N	19.6	20.2	60.0
0.422000	31.8	Off	N	19.6	25.6	57.4
0.526000	28.1	Off	N	19.6	27.9	56.0
4.054000	31.3	Off	N	19.6	24.7	56.0

Final Result : Average

Frequency (MHz)	Average (dBμV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.190000	38.4	Off	N	19.6	15.6	54.0
0.254000	29.2	Off	N	19.6	22.4	51.6
0.310000	22.3	Off	N	19.6	27.7	50.0
0.422000	23.8	Off	N	19.6	23.6	47.4
0.526000	20.1	Off	N	19.6	25.9	46.0
4.054000	21.4	Off	N	19.6	24.6	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	Field Strength	Measurement Distance		
(MHz)	(microvolts/meter)	(meters)		
30 – 88	100	3		
88 – 216	150	3		
216 - 960	200	3		
Above 960	500	3		

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.

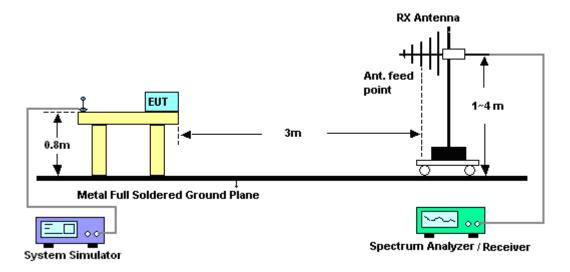
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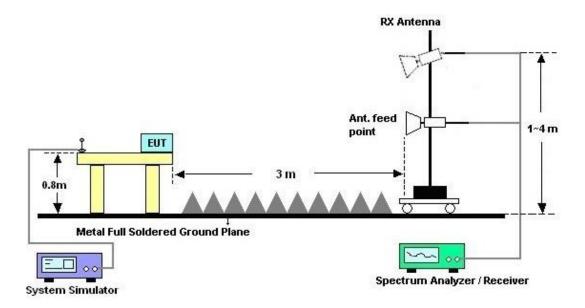
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3.2.4. Test Setup of Radiated Emission

For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



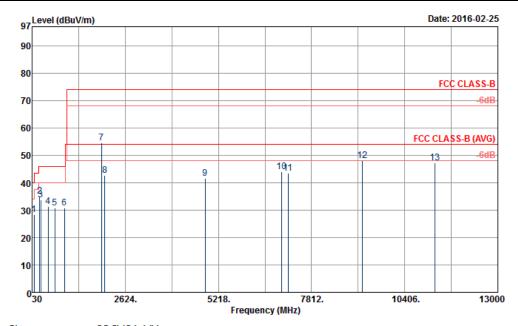
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3.2.5. Test Result of Radiated Emission

Test Mode :	Mode 1	Temperature :	20~23°C				
Test Engineer :	Donny Tang	Relative Humidity :	50~53%				
Test Distance :	3m	Polarization : Horizontal					
Eupotion Type I	GSM1900 Idle + Bluetooth	ldle + WLAN Idle + Ea	rphone + Battery + USB Cable				
Function Type :	(Data Link with Notebook) + SIM 1						
Remark :	#7 is system simulator signal which can be ignored.						



Site : 03CH06-HY

Condition : FCC CLASS-B 3m 9120D_1156_150827 HORIZONTAL

Power : From system Memo : Mode 1

Memo	:	Wode I									
			0ver	Limit	Read/	Intenna	Cable	Preamp	A/Pos	T/Pos	
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor			Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	83.46	28.42	-11.58	40.00	44.31	13.86	2.00	31.75			Peak
2	244.11	35.16	-10.84	46.00	46.55	18.15	2.18	31.72	100	161	Peak
3	273.00	33.82	-12.18	46.00	44.19	19.10	2.24	31.71			Peak
4	479.90	31.41	-14.59	46.00	36.74	23.70	2.86	31.89			Peak
5	665.40	30.82	-15.18	46.00	33.30	26.28	3.33	32.09			Peak
6	935.60	30.76	-15.24	46.00	28.41	30.34	3.15	31.14			Peak
7	1960.00	54.63			82.59	26.23	6.31	60.50			Peak
8	2054.00	42.63	-31.37	74.00	70.30	26.41	6.42	60.50			Peak
9	4846.00	41.66	-32.34	74.00	58.96	31.25	11.06	59.61			Peak
10	6980.00	44.10	-29.90	74.00	57.34	35.26	11.80	60.30			Peak
11	7164.00	43.61	-30.39	74.00	56.38	35.68	11.92	60.37			Peak
12	9224.00	47.99	-26.01	74.00	56.28	38.19	14.18	60.66	100	299	Peak
13	11240.00	47.37	-26.63	74.00	50.24	40.36	15.54	58.77			Peak

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Test Mode :	Mode	1			Temperature :		20~2	20~23°C				
Test Engineer :	Donny	Tang			Relative Humidity:			50~5	50~53%			
Test Distance :	3m				Polari	zation	:	Vertic	Vertical			
Function Type :						WLAN	ldle + E	arphor	ne + Ba	attery +	- USB Cable	
Remark :		Pata Link with Notebook) + SIM 1 7 is system simulator signal which can be ignored.										
₀₇ Leve	l (dBuV/m)	-								Date: 201	6-02-25	
90												
90												
80										FCC CI	ACCD	
70										FCC CI	-6dB	
70		7									-000	
60		1							ECC	C CLASS-I	R (AVG)	
50		8						40	_	3	-6dB	
			9			10	1	1 12			-000	
40												
30	4 5											
30												
20												
10												
10												
030		2624	I.	52 ⁻			7812.		10406.		13000	
c:,		02.61.10			Freque	ncy (MHz)						
Site Condition		03CH0 FCC CL	6-ну ASS-B 3	m 9120D	_1156_1	50827 \	/ERTI <i>CA</i>	L				
Power		From s	•									
Memo	:	Mode 1	0ver	Limit	PoodA	ntonno	Cable	Dnoomn	A /Pos	T/Dos		
	Freq	Level	Limit		Level			Factor	A/FUS	1/103	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		deg		
4					20 EC	-	1 01	21 70	100	_	Dook	
1 2	31.62 174.45		-6.73 -10.64		38.56 47.03	24.58 15.53	1.91 2.03	31.78 31.73	100		Peak Peak	
3	242.76	33.60	-12.40	46.00	45.18	17.97	2.17	31.72			Peak	
4	830.60		-16.48		29.24	28.75	3.33	31.80			Peak	
5 6	892.90 950.30		-15.63 -14.87		29.12 28.40	29.36 30.70	3.38 3.05	31.49 31.02			Peak Peak	
	960.00	60.68			88.64	26.23	6.31	60.50			Peak	
	2060.00		-24.97	74.00	76.70	26.41	6.42	60.50			Peak	
	324.00 5780.00		-27.61 -30.58	74.00 74.00	70.83 57.14	28.63 34.76	8.09 11.86	61.16 60.34			Peak Peak	
	3754.00		-28.59	74.00	53.48	37.30	14.48	59.85			Peak	
	230.00		-26.70	74.00	55.59	38.19	14.18	60.66	100		Peak	
13 11	.070.00	30.06	-23.94	74.00	53.40	40.46	15.21	59.01	100	136	Peak	

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4. List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Feb. 15, 2016 ~ Feb. 26, 2016	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 26, 2015	Feb. 15, 2016 ~ Feb. 26, 2016	Aug. 25, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Dec. 02, 2015	Feb. 15, 2016 ~ Feb. 26, 2016	Dec. 01, 2016	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100081	9kHz~30MHz	Dec. 14, 2015	Feb. 15, 2016 ~ Feb. 26, 2016	Dec. 13, 2016	Conduction (CO05-HY)
Bilog Antenna	Schaffner	CBL6111C	2725	30MHz~1GHz	Nov. 17, 2015	Feb. 25, 2016	Nov. 16, 2016	Radiation (03CH06-HY)
EMI Test Receiver	Rohde & Schwarz	ESU26	100472	20Hz~26.5GHz	Jan. 07, 2016	Feb. 25, 2016	Jan. 06, 2017	Radiation (03CH06-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9120 D	9120D-1156	1GHz~18GHz	Aug. 21, 2015	Feb. 25, 2016	Aug. 20, 2016	Radiation (03CH06-HY)
Preamplifier	SONOMA	310N	186713	9kHz~1GHz	Apr. 20, 2015	Feb. 25, 2016	Apr. 19, 2016	Radiation (03CH06-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	1850117	1GHz ~ 18GHz	Jul. 01, 2015	Feb. 25, 2016	Jun. 30, 2016	Radiation (03CH06-HY)
Antenna Mast	MF	MF-7802	MF78020821 2	1m~4m	N/A	Feb. 25, 2016	N/A	Radiation (03CH06-HY)
Turn Table	INN-CO	DS2000	420/650/00	0-360 degree	N/A	Feb. 25, 2016	N/A	Radiation (03CH06-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Sep. 02, 2015	Feb. 25, 2016	Sep. 01, 2016	Radiation (03CH06-HY)

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5. Uncertainty of Evaluation

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

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	4.0
Confidence of 95% (U = 2Uc(y))	4.0

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