

FCC RF Test Report

APPLICANT	: Sony Mobile Communications Inc
EQUIPMENT	: PDA Phone
BRAND NAME	: Sony
TYPE NAME	: PM-0780-BV
FCC ID	: PY7-PM0780
STANDARD	: FCC Part 15 Subpart C §15.225
CLASSIFICATION	: (DXX) Low Power Communication Device Transmitter

The testing was completed on Jan. 04, 2015. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures 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: Joseph Lin / Supervisor

moelsar



Approved by: Jones Tsai / Manager

SPORTON INTERNATIONAL INC.

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR4D0327D	Rev. 01	Initial issue of report	Mar. 02, 2015



SUMMARY OF THE TEST RESULT

	Applied Standard: 47 CFR FCC Part 15 Subpart C				
Part	FCC Rule	Result	Under Limit		
3.1	15.207	AC Power Line Conducted Emissions	Complian	14.20 dB at	
3.1	15.207	AC Power Line Conducted Emissions	Complies	0.438MHz	
2.2	15 225(a)(b)(a)	Field Strength of Fundamental Emissions	Complies	68.56 dB at	
3.2 15.225(a)(b)	15.225(a)(b)(c)	Field Strength of Fundamental Emissions		13.560 MHz	
3.3	2.1049	20dB Spectrum Bandwidth	Complies	-	
			Complies	32.05 dB at	
3.4		Radiated Emissions		21.274 MHz	
	15.209			for Quasi-Peak	
3.5	15.225(e)	Frequency Stability	Complies	-	
3.6	15.203	Antenna Requirements	Complies	-	

Test Items	Uncertainty	Remark
AC Power Line Conducted Emissions	±2.26dB	Confidence levels of 95%
Radiated Emissions (30MHz~1000MHz)	±4.70dB	Confidence levels of 95%



1. GENERAL INFORMATION

1.1 Applicant

Sony Mobile Communications Inc

Nya Vattentornet 22188 Lund/Sweden

1.2 Manufacturer

Sony Mobile Communications Inc

Nya Vattentornet 22188 Lund/Sweden

1.3 **Product Details**

Items	Description
Tx/Rx Frequency Range	13.553 ~ 13.567MHz
Channel Number	1
20dBW	2.64KHz
99%OBW	2.24KHz
Antenna Type	Loop Antenna
Type of Modulation	ASK

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

EUT Information List					
IMEI HW Version SW Version S/N Performed Test Item					
IMEI : 004402453275624			YT910ZRWL3	RF conducted measurement	
IMEI : 004402453275624	AP	26.1.A.0.79	YT910ZRWL3	Radiated Spurious Emission	
IMEI : 004402453306957			YT910ZRWBG	Conducted Emission	



Accessory List			
	Model No. : EP800		
	Type No. : CAA-0002016-US		
AC Adapter	S/N :		
	3112W49108087 (For Conducted Emission)		
	3112W49107935 (For Radiated Spurious Emission)		
Battery	Model No. : Bellis		
	Model No. : MH410c		
	Type No. : AG-1100		
Earphone	S/N :		
	12431A1B0011582 (For Conducted Emission)		
	12431A1E00118A8 (For Radiated Spurious Emission)		
	Model No. : EC450		
	Type No. : AI-0700		
USB Cable	S/N :		
	142412D8250297C (For Conducted Emission)		
	113912D0171324C (For Radiated Spurious Emission)		

Note:

- 1. Above EUT list and accessory list used are electrically identical per declared by manufacturer.
- 2. Above the accessories list are used to exercise the EUT during test.
- 3. For other wireless features of this EUT, test report will be issued separately.

1.4 Modification of EUT

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



1.5 Testing 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., H	No. 52, Hwa Ya 1 st Rd., Hwa Ya Technology Park,			
Test Site Location	Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.				
	TEL: +886-3-3273456 / FAX: +886-3-3284978				
Test Site No.	Sporton Site No.				
lest Site No.	TH02-HY	CO05-HY	03CH07-HY		
Test Engineer	Danny Chen Kai-Chun Chu Nick Yu				
Temperature	22~24 20~22 21~23				
Relative Humidity	53~55 46~48 47~49				

Note: The test site complies with ANSI C63.4 2009 requirement.

1.6 Applicable Standards

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

- FCC Part 15 Subpart C §15.225
- ANSI C63.10-2013

1.7 Test Modes

Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

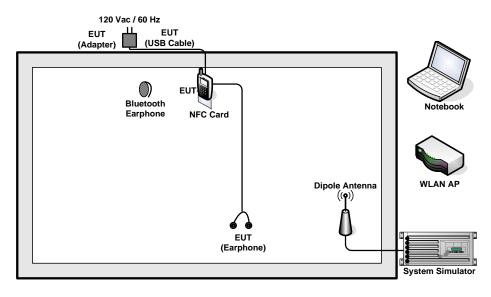
Test Items				
AC Power Line Conducted Emissions	Field Strength of Fundamental Emissions			
20dB Spectrum Bandwidth	Frequency Stability			
Radiated Emissions 9kHz~30MHz Radiated Emissions 30MHz~1GHz				
Note:				

- 1. The EUT was programmed to be in continuously transmitting mode.
- The ancillary equipment, NFC card, is used to make the EUT (NFC) continuously transmit at 13.56MHz and is placed around 3 cm gap to the EUT.

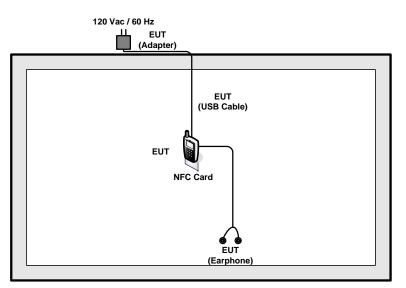


1.8 Test Configurations

<AC Conducted Emissions>



< For Fundamental Emissions and Mask and Radiated Emissions Measurement >





1.9 Table for Supporting Units

ltem	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
3.	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
4.	Bluetooth Earphone	Sony Ericsson	SBH20	PY7-RD0010	N/A	N/A
5.	NFC Card	Metro Taipei	Easy Card	N/A	N/A	N/A
6.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A

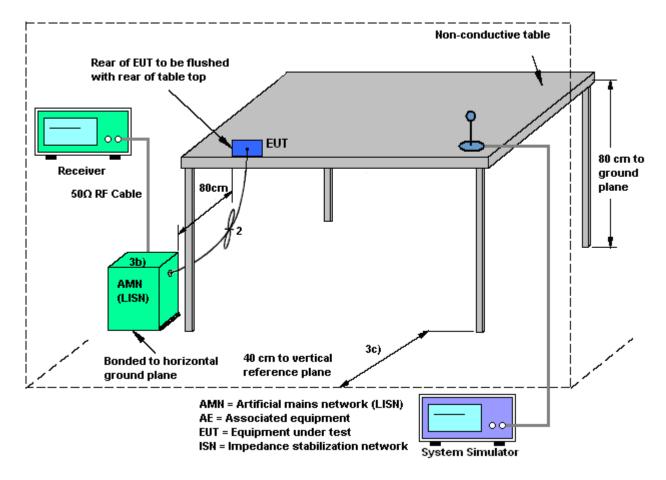


2. CONDUCTED EMISSION TEST

2.1 Measuring Instruments

See list of measuring instruments of this test report.

2.2 Test setup



2.3 Test Result of Conducted Emission Test

Please refer to Appendix B.

2.4 AC Power Line Conducted Emissions Measurement

2.4.1 Limit

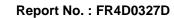
For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission	Conducted Limit (dBµV)		
(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.

2.4.2 Test Procedures

- 1. The EUT was placed 0.4 meter from the conducting wall of the shielding room, and it 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.





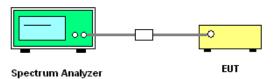
3. CONDUCTED TEST ITEMS

3.1 Measuring Instruments

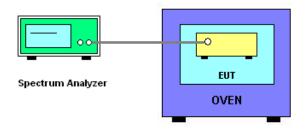
See list of measuring instruments of this test report.

3.2 Test Setup

3.2.1 20dB Spectrum Bandwidth



3.2.2 Frequency Stability



3.3 Test Result of Conducted Test Items

Please refer to Appendix C.



3.4 20dB Spectrum Bandwidth Measurement

3.4.1 Limit

Intentional radiators must be designed to ensure that the 20 dB bandwidth of the emissions in the specific band 13.553~13.567MHz

3.4.2 Test Procedures

- 1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak Max hold mode.
- 2. The resolution bandwidth of 1 kHz and the video bandwidth of 3 kHz were used.
- 3. Measured the spectrum width with power higher than 20dB below carrier.

3.5 Frequency Stability Measurement

3.5.1 Limit

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% (100ppm) of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

3.5.2 Test Procedures

- 1. The transmitter output (antenna port) was connected to the spectrum analyzer.
- 2. EUT have transmitted signal and fixed channelize.
- 3. Set the spectrum analyzer span to view the entire emissions bandwidth.
- 4. Set RBW = 1 kHz, VBW = 3 kHz with peak detector and maxhold settings.
- 5. The fc is declaring of channel frequency. Then the frequency error formula is $(fc-f)/fc \times 10^6$ ppm and the limit is less than ±100ppm.
- 6. Extreme temperature rule is -20°C~50°C.



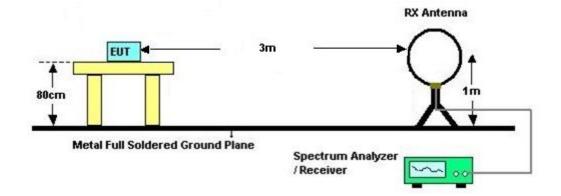
4. RADIATED TEST ITEMS

4.1 Measuring Instruments

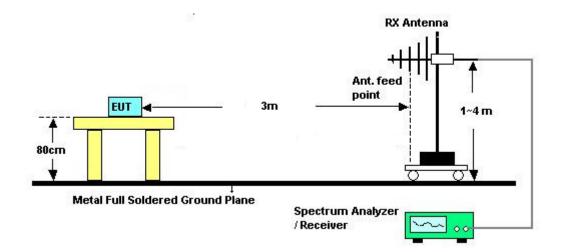
See list of measuring instruments of this test report.

4.2 Test Setup

4.2.1 For radiated emissions below 30MHz



4.2.2 For radiated emissions above 30MHz



4.3 Test Result of Radiated Test Items

Please refer to Appendix D.



4.4 Field Strength of Fundamental Emissions and Mask Measurement

4.4.1 Limit

Rules and specifications		CFR 47 Part 15 section 15.225(a)-(d)								
Description	Compliance with the spectrum mask is tested using a spectrum analyzer with									
Description	RBW set to a 9kHz	for the band 13.553-	-13.567MHz							
Freq. of Emission (MHz)	Field Strength	Field Strength	Field Strength	Field Strength						
	(µV/m) at 30m	(dBµV/m) at 30m	(dBµV/m) at 10m	(dBµV/m) at 3m						
1.705~13.110	30	29.5	48.58	69.5						
13.110~13.410	106	40.5	59.58	80.5						
13.410~13.553	334	50.5	69.58	90.5						
13.553~13.567	15848	84.0	103.08	124.0						
13.567~13.710	334	50.5	69.58	90.5						
13.710~14.010	106	40.5	59.58	80.5						
14.010~30.000	30	29.5	48.58	69.5						

4.4.2 Test Procedures

- Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the loop receiving antenna mounted antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the receiving antenna was fixed at one meter above ground to find the maximum emissions field strength.
- 4. For Fundamental emissions, use the receiver to measure QP reading.
- 5. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 6. Compliance with the spectrum mask is tested using a spectrum analyzer with RBW set to a 9kHz for the band 13.553~13.567MHz.

Note: Emission level $(dB\mu V/m) = 20 \log Emission level (\mu V/m)$.



4.5 Radiated Emissions Measurement

4.5.1 Limit

The field strength of any emissions which appear outside of 13.553~13.567MHz band shall not exceed the general radiated emissions limits.

Frequencies	Field Strength	Measurement Distance
(MHz)	(μV/m)	(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.5.2 Measuring Instrument Setting

The following table is the setting of receiver.

Receiver Parameter	Setting
Attenuation	Auto
Frequency Range: 9kHz~150kHz	RBW 200Hz for QP
Frequency Range: 150kHz~30MHz	RBW 9kHz for QP
Frequency Range: 30MHz~1000MHz	RBW 120kHz for Peak

Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.



4.5.3 Test Procedures

- Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 7. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. Antenna Requirements

4.5.4 Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

4.5.5 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



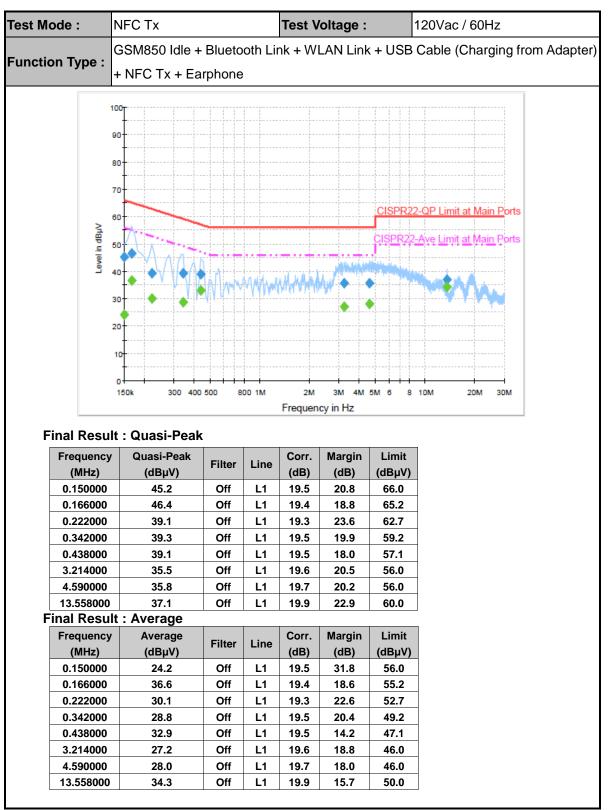
5. LIST OF MEASURING EQUIPMENT

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	Rohde & Schwarz	FSP40	100055	9kHz~40GHz	Jun. 09, 2014	Jan. 23, 2015~ Jan. 26, 2015	Jun. 08, 2015	Conducted (TH02-HY)
Thermal Chamber	Ten Billion	TTH-D3SP	TBN-930701	N/A	Jul. 16, 2014	Jan. 23, 2015~ Jan. 26, 2015	Jul. 15, 2015	Conducted (TH02-HY)
Hygrometer	Testo	608-H1	34897199	N/A	May. 06, 2014	Jan. 23, 2015~ Jan. 26, 2015	May. 05, 2015	Conducted
RF cable	WOKEN	S05	S05-130708- 038	N/A	Jan. 21, 2015	Jan. 23, 2015~ Jan. 26, 2015	Jan. 20, 2016	Conducted (TH02-HY)
EMI Test Receiver	Rohde & Schwarz	ESCS 30	100356	9kHz ~ 2.75GHz	Dec. 01, 2014	Jan. 08, 2015	Nov. 30, 2015	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz ~ 30MHz	Dec. 02, 2014	Jan. 08, 2015	Dec. 01, 2015	Conduction (CO05-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Jan. 08, 2015	N/A	Conduction (CO05-HY)
Hygrometer	Testo	608-H1	34913912	N/A	Apr. 23, 2014	Jan. 08, 2015	Apr. 22, 2015	Conduction (CO05-HY)
LF Cable	Shuner	RG-402	N/A	N/A	Oct. 07, 2014	Jan. 08, 2015	Oct. 06, 2015	Conduction (CO05-HY)
Test Software	N/A	EMC32	8.40.0	N/A	N/A	Jan. 08, 2015	N/A	Conduction (CO05-HY)
Preamplifier	COM-POWER	PA-103A	161241	10MHz-1000MH z	Mar. 17, 2014	Jan. 08, 2015	Mar. 16, 2015	Radiation (03CH07-HY)
Bilog Antenna	Schaffner	CBL6111C	2726	30MHz ~ 1GHz	Sep. 27, 2014	Jan. 08, 2015	Sep. 26, 2015	Radiation (03CH07-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Jul. 28, 2014	Jan. 08, 2015	Jul. 27, 2015	Radiation (03CH07-HY)
Horn Antenna	SCHWARZBE CK	BBHA 9170	BBHA91705 84	18GHz- 40GHz	Nov. 03, 2014	Jan. 08, 2015	Nov. 02, 2015	Radiation (03CH07-HY)
EMI Test Receiver	Rohde & Schwarz	ESCI 7	100724	9kHz~7GHz	Aug. 30, 2014	Jan. 08, 2015	Aug. 29, 2015	Radiation (03CH07-HY)
Signal Analyzer	Rohde & Schwarz	FSV 30	101749	10Hz~30GHz	Feb. 10, 2014	Jan. 08, 2015	Feb. 09, 2015	Radiation (03CH07-HY)
Controller	ChainTek	Chaintek 3000	N/A	Control Turn table	N/A	Jan. 08, 2015	N/A	Radiation (03CH07-HY)
Controller	Max-Full	MF7802	MF7802083 68	Control Ant Mast	N/A	Jan. 08, 2015	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 degree	N/A	Jan. 08, 2015	N/A	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Jan. 08, 2015	N/A	Radiation (03CH07-HY)
Hygrometer	Testo	608-H1	34897197	N/A	May. 06, 2014	Jan. 08, 2015	May. 05, 2015	Radiation (03CH07-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 104	MY8420952 1	9KHz~1GHz	Dec. 04, 2014	Jan. 08, 2015	Dec. 03, 2015	Radiation (03CH07-HY)
Filter		WHK20 /1000C7/40S S	SN2	20M High Pass	Oct. 01, 2014	Jan. 08, 2015	Sep. 30, 2015	Radiation (03CH07-HY)
Test Software	N/A	E3	6.2009-8-24 (sporton)	N/A	N/A	Jan. 08, 2015	N/A	Radiation (03CH07-HY)

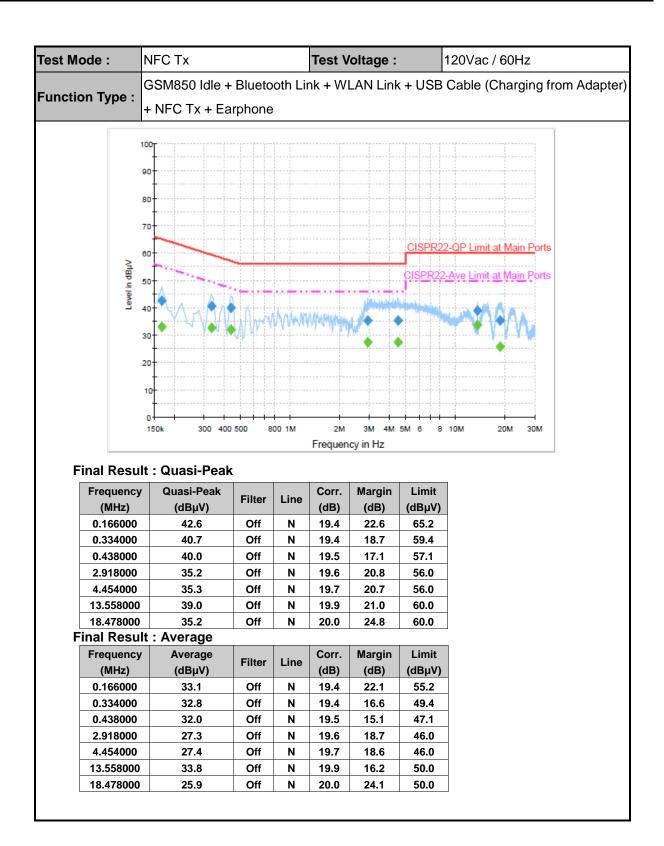
Note: Test equipment calibration is traceable to the procedure of ISO17025.



Appendix A. Test Results of Conducted Emission Test

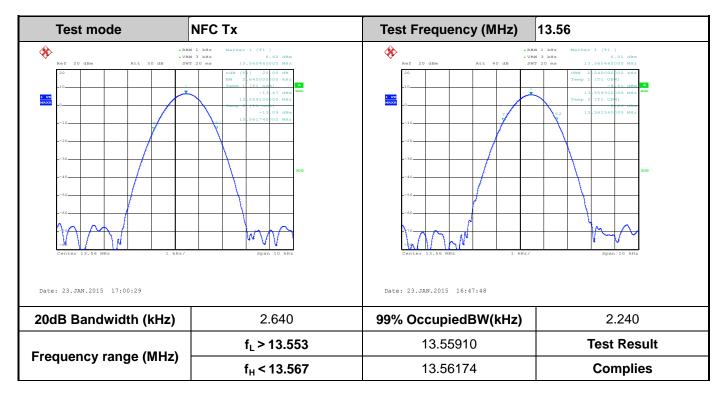








Appendix B. Test Results of Conducted Test Items



B.1 Test Result of 20dB Spectrum Bandwidth

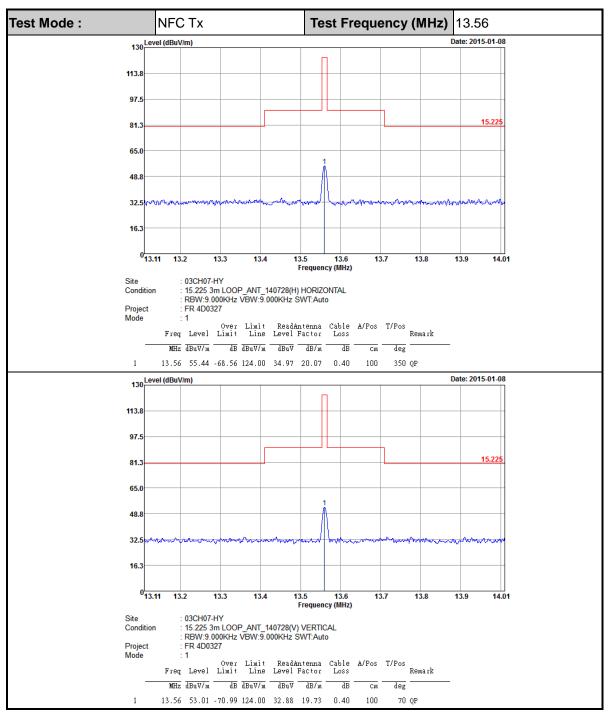


Voltage vs. Freque	ency Stability	Temperature vs. Frequency Stability				
Voltage (Vac)	Measurement Frequency (MHz)	Temperature (°C)	Measurement Frequency (MHz)			
120	13.560420	-20	13.560550			
102	13.560420	-10	13.560550			
138	13.560420	0	13.560540			
		10	13.560500			
		20	13.560480			
		30	13.560460			
		40	13.560420			
		50	13.560400			
Max.Deviation (MHz)	0.000420	Max.Deviation (MHz)	0.000550			
Max.Deviation (ppm)	30.9735	Max.Deviation (ppm)	40.5605			
Limit	FS < ±100 ppm	Limit	FS < ±100 ppm			
Test Result	PASS	Test Result	PASS			

B.2 Test Result of Frequency Stability



Appendix C. Test Results of Radiated Test Items



C.1 Test Result of Field Strength of Fundamental Emissions

Note: All NFC's spurious emissions are below 20dB of limits.



Test Mode :	NFC	Тх		Polarization : Horizontal					
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
0.05414	35.19	-77.74	112.93	14.89	20.01	0.29	-	-	Average
0.08481	22.39	-86.65	109.04	2.14	19.96	0.29	-	-	Average
0.10828	26.86	-80.05	106.91	6.61	19.96	0.29	-	-	QP
0.13832	20.35	-84.44	104.79	0.12	19.94	0.29	-	-	Average
0.4492	39.17	-55.39	94.56	19	19.88	0.29	-	-	Average
0.50502	39.56	-33.98	73.54	19.39	19.88	0.29	-	-	QP
11.328	35.55	-34.45	70	15.1	20.06	0.39	-	-	QP
13.56	55.59	-14.41	70	35.12	20.07	0.4	-	-	QP
20.068	37.43	-32.57	70	16.56	20.44	0.43	100	245	QP
27.225	35.8	-34.2	70	14.64	20.68	0.48	-	-	QP

C.2 Results of Radiated Emissions (9 kHz~30MHz)



Test Mode :	NFC	Тх		Polariz	ation :	Vert	ical		
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
0.05419	31.39	-81.54	112.93	11.07	20.03	0.29	-	-	Average
0.08652	22.35	-86.51	108.86	2.07	19.99	0.29	-	-	Average
0.10838	24.12	-82.79	106.91	3.84	19.99	0.29	-	-	QP
0.1422	21.12	-83.43	104.55	0.88	19.95	0.29	-	-	Average
0.2605	40.23	-59.06	99.29	20.02	19.92	0.29	-	-	Average
0.51253	38.28	-35.13	73.41	18.07	19.9	0.31	-	-	QP
9.288	35.35	-34.65	70	15.16	19.81	0.38	-	-	QP
13.56	53.82	-16.18	70	33.69	19.73	0.4	-	-	QP
21.274	37.95	-32.05	70	17.5	20.02	0.43	100	147	QP
26.56	35.76	-34.24	70	15.19	20.09	0.48	-	-	QP

Note:

- 1. 13.56 MHz is fundamental signal which can be ignored.
- 2. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
- 3. Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
- 4. Limit line = specific limits $(dB\mu V)$ + distance extrapolation factor.



Test Mode : NFC Tx				Polaria	zation :	Horizo	ontal		
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
49.44	12.63	-27.37	40	33.31	8.75	1.77	-	-	Peak
160.95	12.36	-31.14	43.5	30.58	10.36	2.61	-	-	Peak
237.9	14.98	-31.02	46	31.96	11.06	2.96	-	-	Peak
493.2	21.45	-24.55	46	30.41	17.94	3.77	-	-	Peak
629.7	24.11	-21.89	46	30.05	20.38	4.22	-	-	Peak
838.3	27.94	-18.06	46	30.5	23.12	4.7	132	214	Peak

C.3 Results of Radiated Emissions (30MHz~1GHz)

Test Mode : NFC Tx				Polariz	zation :	Vertic	al		
Frequency (MHz)	Level (dBµV/m)	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
102.9	12.4	-31.1	43.5	30.69	10.46	2.38	-	-	Peak
172.29	11.83	-31.67	43.5	30.82	9.46	2.61	-	-	Peak
253.29	16.24	-29.76	46	31.4	12.88	2.96	-	-	Peak
437.2	19.91	-26.09	46	30.02	16.97	3.63	-	-	Peak
620.6	23.45	-22.55	46	29.57	20.22	4.22	-	-	Peak
881.7	27.75	-18.25	46	30.53	22.9	4.66	125	147	Peak

Note:

1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

- 2. Emission level (dB μ V/m) = 20 log Emission level (μ V/m).
- 3. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor= Level.