FCC RF Test Report

APPLICANT : Xiaomi Communications Co., Ltd.

EQUIPMENT: Mobile Phone

BRAND NAME : MI

MODEL NAME : M1803D5XA

FCC ID : 2AFZZ-XMSD5X

STANDARD : FCC Part 15 Subpart C §15.225

CLASSIFICATION: (DXX) Low Power Communication Device Transmitter

The product was received on Feb. 09, 2018 and testing was completed on Mar. 23, 2018. 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

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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Report No.: FR820915D

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REVISION HISTORY

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REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR820915D	Rev. 01	Initial issue of report	Mar. 28, 2018

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SUMMARY OF THE TEST RESULT

	Applied Standard: 47 CFR FCC Part 15 Subpart C §15.225					
Part	FCC Rule	Description of Test	Result	Remark		
3.1	15.207	AC Power Line Conducted Emissions	Complies	Under limit 5.90 dB at 13.560MHz		
	15.215(c)	20dB Spectrum Bandwidth	Complies	-		
3.2	-	99% OBW Spectrum Bandwidth	Complies	-		
3.3	15.225(e)	Frequency Stability	Complies	-		
3.4	15.225(a)(b)(c)	Field Strength of Fundamental Emissions	Complies	Max level 59.20 dBµV/m at 13.560 MHz		
3.5	15.225(d) & 15.209	Radiated Spurious Emissions	Complies	Under limit 4.19 dB at 40.800MHz		
3.6	15.203	Antenna Requirements	Complies	-		

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1. General Description

1.1 Applicant

Xiaomi Communications Co., Ltd.

The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China

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1.2 Manufacturer

Xiaomi Communications Co., Ltd.

The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China

1.3 Product Feature of Equipment Under Test

GSM/WCDMA/CDMA/LTE, Bluetooth, Wi-Fi 2.4GHz 802.11b/g/n, Wi-Fi 5GHz 802.11a/n/ac, NFC, WPC and GNSS

Product Specification subjective to this standard				
Antenna Type	WWAN: Coupling Type (LDS) Antenna WLAN: Coupling Type (LDS) Antenna Bluetooth: Coupling Type (LDS) Antenna GPS/A-GPS/Glonass/BDS/Galileo/VOIP: Coupling Type (LDS) Antenna NFC: Planar Antenna WPC: Loop Antenna			

1.4 Modification of EUT

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

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1.5 Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC Test.

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Test Site	SPORTON INTERNATIONAL INC.			
	No. 52, Hwa Ya 1 st Rd., H	lwa 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.			
rest site No.	TH05-HY	CO05-HY	03CH07-HY	
Test Engineer	JH Liao and Tommy Lee Blue Lan Jesse Wang			
Temperature	22~24°C 23~24°C 24~25		24~25 ℃	
Relative Humidity	53~55% 53~58% 51~53%			

Note: The test site complies with ANSI C63.4 2014 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

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2. Test Configuration of Equipment Under Test

2.1 Descriptions of Test Mode

Investigation has been done on all the possible configurations.

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	

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The EUT pre-scanned in four NFC type, A, B, F, V. The worst type (type F) was recorded in this report.

	Test Cases
AC	Mode 1: NFC Tx + GSM 850 Idle + WLAN (2.4GHz) Link + Bluetooth Link + USB
Conducted	Cable 1 (Charging from Adapter)
	Mode 2: NFC Idle + GSM 850 Idle + WLAN (2.4GHz) Link + Bluetooth Link + USB
Emission	Cable 1 (Charging from Adapter)

Remark:

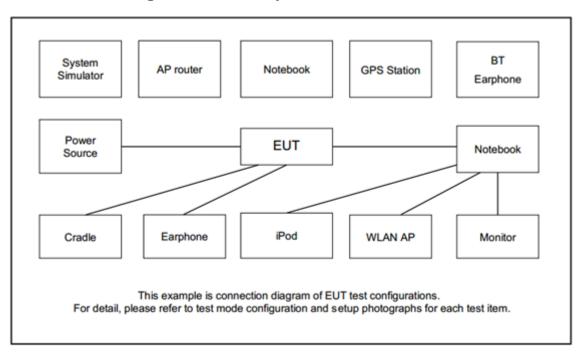
- 1. The worst case of conducted emission is mode 2; only the test data of it was reported.
- 2. For Radiated Test Cases, The tests were performance with USB Cable 1

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2.2 Connection Diagram of Test System



2.3 Table for Supporting Units

Item	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.	Bluetooth Earphone	Sony Ericsson	MW600	PY7DDA-2029	N/A	N/A
3.	WLAN AP	ASUS	RT-AC66U	MSQ-RTAC66U	N/A	Unshielded,1.8m
4.	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
5.	SD Card	SanDisk	MicroSD HC	FCC DoC	N/A	N/A
6.	NFC Card	Metro Taipei	Easy Card	N/A	N/A	N/A

2.4 EUT Operation Test Setup

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 1 cm gap to the EUT.

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3. Test Results

3.1 AC Power Line Conducted Emissions Measurement

3.1.1 Limit 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 (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.

3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 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.
- 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.

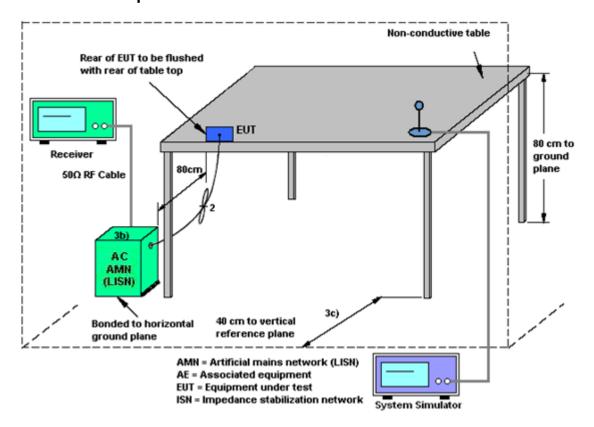
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3.1.4 Test setup



3.1.5 Test Result of AC Conducted Emission

Please refer to Appendix A.

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3.2 20dB and 99% OBW Spectrum Bandwidth Measurement

3.2.1 Limit

Intentional radiators must be designed to ensure that the 20dB and 99% emission bandwidth in the specific band 13.553~13.567MHz.

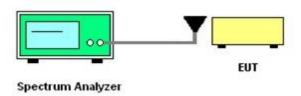
3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

- 1. The spectrum analyzer connected via a receive antenna placed near the EUT 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.
- 4. Measured the 99% OBW.

3.2.4 Test Setup



3.2.5 Test Result of Conducted Test Items

Please refer to Appendix B.

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3.3 Frequency Stability Measurement

3.3.1 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.

3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

3.3.3 Test Procedures

- 1. The spectrum analyzer connected via a receive antenna placed near the EUT.
- 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 ± 100 ppm.
- 6. Extreme temperature rule is -20°C~50°C.

3.3.4 Test Setup



3.3.5 Test Result of Conducted Test Items

Please refer to Appendix B.

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3.4 Field Strength of Fundamental Emissions and Mask Measurement

3.4.1 Limit

Rules and specifications	FCC CFR 47 Part 15 section 15.225			
Description	Compliance with th	e spectrum mask is t	ested with RBW set t	o 9kHz.
From of Francisco (MIII-)	Field Strength	Field Strength	Field Strength	Field Strength
Freq. of Emission (MHz)	(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

3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

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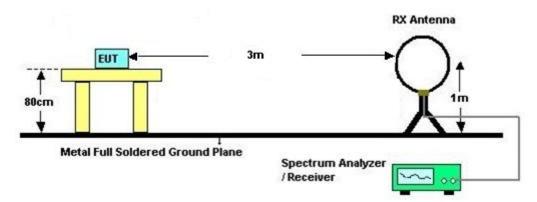
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3.4.3 Test Procedures

- Configure the EUT according to ANSI C63.10. 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.
- 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.
- Compliance with the spectrum mask is tested with RBW set to 9kHz.
 Note: Emission level (dBμV/m) = 20 log Emission level (μV/m).

3.4.4 Test Setup

For radiated emissions below 30MHz



3.4.5 Test Result of Field Strength of Fundamental Emissions and Mask

Please refer to Appendix C.

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3.5 Radiated Emissions Measurement

3.5.1 Limit

The field strength of any emissions which appear outside of 13.110 ~14.010MHz 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

3.5.2 Measuring Instruments

See list of measuring instruments of this test report.

3.5.3 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.

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3.5.4 Test Procedures

- Configure the EUT according to ANSI C63.10. 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.
- 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.
- 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.
- 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

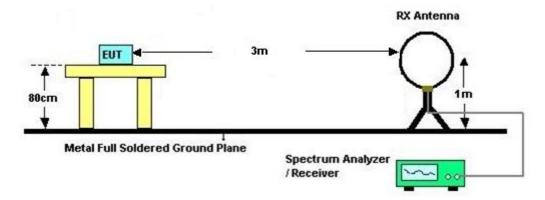
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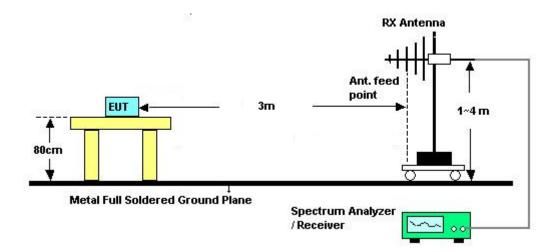
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3.5.5 Test Setup

For radiated emissions below 30MHz



For radiated emissions above 30MHz



3.5.6 Test Result of Radiated Emissions Measurement

Please refer to Appendix C.

Remark: There is a comparison data of both open-field test site and semi-Anechoic chamber, and the result came out very similar.

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3.6 Antenna Requirements

3.6.1 Standard Applicable

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.

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 rule.

3.6.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.

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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	AC POWER	AFC-500W	F104070011	50Hz~60Hz	Dec. 07, 2017	Mar. 04, 2018 ~ Mar. 21, 2018	Dec. 06, 2019	Conducted (TH03-HY)
Spectrum Analyzer	Rohde & Schwarz	FSP30	101329	9kHz~30GHz	Jun. 26, 2017	Mar. 04, 2018 ~ Mar. 21, 2018	Jun. 25, 2018	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SU-641	92013721	-30℃ ~70℃	Dec. 06, 2017	Mar. 04, 2018 ~ Mar. 21, 2018	Dec. 05, 2019	Conducted (TH03-HY)
AC Power Source	ChainTek	APC-1000W	N/A	N/A	N/A	Mar. 22, 2018 ~ Mar. 23, 2018	N/A	Conduction (CO05-HY)
EMI Test Receiver	Rohde & Schwarz	ESR3	102388	3.6GHz	Dec. 08, 2017	Mar. 22, 2018 ~ Mar. 23, 2018	Dec. 07, 2018	Conduction (CO05-HY)
LISN	Rohde & Schwarz	ENV216	100080	9kHz~30MHz	Nov. 30, 2017	Mar. 22, 2018 ~ Mar. 23, 2018	Nov. 29, 2018	Conduction (CO05-HY)
Software	Rohde & Schwarz	EMC32 V10.30	N/A	N/A	N/A	Mar. 22, 2018 ~ Mar. 23, 2018	N/A	Conduction (CO05-HY)
Loop Antenna	Rohde & Schwarz	HFH2-Z2	100315	9 kHz~30 MHz	Nov. 10, 2017	Mar. 03, 2018	Nov. 09, 2019	Radiation (03CH07-HY)
Spectrum Analyzer	Agilent	N9010A	MY5347011 8	10Hz~44GHz	Apr. 17, 2017	Mar. 03, 2018	Apr. 16, 2018	Radiation (03CH07-HY)
Antenna Mast	Max-Full	MFA520BS	N/A	1m~4m	N/A	Mar. 03, 2018	N/A	Radiation (03CH07-HY)
Turn Table	ChainTek	Chaintek 3000	N/A	0~360 Degree	N/A	Mar. 03, 2018	N/A	Radiation (03CH07-HY)
EMI Test Receiver	Agilent	N9038A (MXE)	MY5329005 3	20Hz to 26.5GHz	Jan. 16, 2018	Mar. 03, 2018	Jan. 15, 2019	Radiation (03CH07-HY)
Software	Audix	E3 6.2009-8 -24	RK-001042	N/A	N/A	Mar. 03, 2018	N/A	Radiation (03CH07-HY)

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5. **Uncertainty of Evaluation**

<u>Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)</u>

Measuring Uncertainty for a Level of Confidence	2.70
of 95% (U = 2Uc(y))	2.70

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Uncertainty of Radiated Emission Measurement (9 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence	2.40
of 95% (U = 2Uc(y))	3.40

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

Measuring Uncertainty for a Level of Confidence	5.70
of 95% (U = 2Uc(y))	3.17

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Appendix A. Test Results of Conducted Emission Test

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EUT Information

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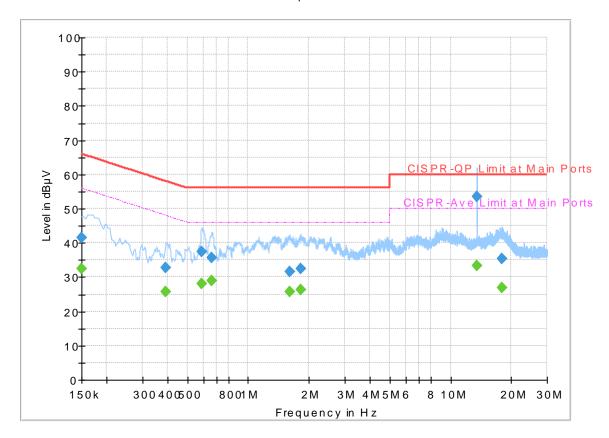
 Test Mode :
 Mode 2

 Memo :
 Original Mode

 Test Voltage :
 120Vac/60Hz

Phase: Line

Full Spectrum



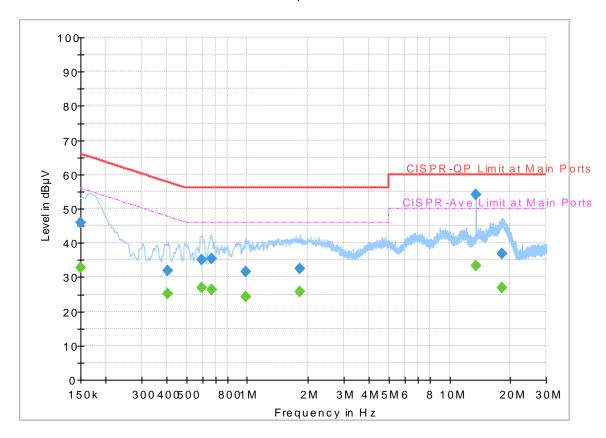
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.150000		32.39	56.00	23.61	L1	OFF	19.5
0.150000	41.45		66.00	24.55	L1	OFF	19.5
0.390750		25.69	48.05	22.36	L1	OFF	19.5
0.390750	32.84		58.05	25.21	L1	OFF	19.5
0.588750		27.99	46.00	18.01	L1	OFF	19.5
0.588750	37.40		56.00	18.60	L1	OFF	19.5
0.663000		28.85	46.00	17.15	L1	OFF	19.5
0.663000	35.74		56.00	20.26	L1	OFF	19.5
1.608000	-	25.78	46.00	20.22	L1	OFF	19.6
1.608000	31.70		56.00	24.30	L1	OFF	19.6
1.810500	-	26.44	46.00	19.56	L1	OFF	19.6
1.810500	32.58		56.00	23.42	L1	OFF	19.6
13.560000		33.30	50.00	16.70	L1	OFF	19.7
13.560000	53.60		60.00	6.40	L1	OFF	19.7
18.048750		26.83	50.00	23.17	L1	OFF	19.8
18.048750	35.26		60.00	24.74	L1	OFF	19.8

EUT Information

Report NO: 820915
Test Mode: Mode 2
Memo: Original Mode
Test Voltage: 120Vac/60Hz
Phase: Neutral

Full Spectrum

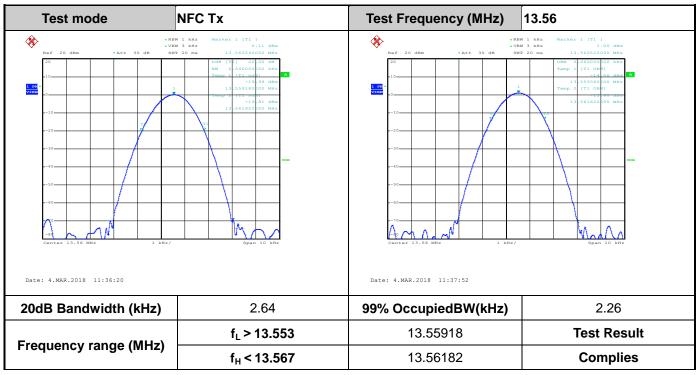


Final_Result

Frequency	QuasiPeak	Average	Limit	Margin	Line	Filter	Corr.
		_		_	Lille	i iitei	
(MHz)	(dBµV)	(dBµV)	(dBµV)	(dB)			(dB)
0.150000		32.67	56.00	23.33	N	OFF	19.5
0.150000	45.83		66.00	20.17	N	OFF	19.5
0.404250		25.16	47.77	22.61	N	OFF	19.5
0.404250	31.85		57.77	25.92	N	OFF	19.5
0.595500		26.80	46.00	19.20	N	OFF	19.5
0.595500	35.19		56.00	20.81	N	OFF	19.5
0.667500		26.34	46.00	19.66	N	OFF	19.5
0.667500	35.25		56.00	20.75	N	OFF	19.5
0.987000		24.34	46.00	21.66	N	OFF	19.5
0.987000	31.50		56.00	24.50	N	OFF	19.5
1.817250		25.82	46.00	20.18	N	OFF	19.6
1.817250	32.39		56.00	23.61	N	OFF	19.6
13.560000		33.20	50.00	16.80	N	OFF	19.8
13.560000	54.10		60.00	5.90	N	OFF	19.8
18.273750		26.87	50.00	23.13	N	OFF	19.9
18.273750	36.97		60.00	23.03	N	OFF	19.9

Appendix B. Test Results of Conducted Test Items

B1.Test Result of 20dB Spectrum Bandwidth



Remark: Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.

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B2.Test Result of Frequency Stability

B3. Voltage vs. F	requency Stability	Temperature vs. Frequency Stability			
Voltage (Vac)	Measurement Frequency (MHz)	Temperature (℃)	Time	Measurement Frequency (MHz)	
120	13.560470	-20	0	13.560600	
102	13.560470		2	13.560600	
138	13.560470		5	13.560590	
			10	13.560590	
		-10	0	13.560580	
			2	13.560600	
			5	13.560590	
			10	13.560600	
		0	0	13.560540	
			2	13.560540	
			5	13.560560	
			10	13.560580	
		10	0	13.560460	
			2	13.560480	
			5	13.560500	
			10	13.560520	
		20	0	13.560500	
			2	13.560480	
			5	13.560460	
			10	13.560460	
		30	0	13.560580	
			2	13.560540	
			5	13.560510	
			10	13.560480	
		40	0	13.560470	
			2	13.560460	
			5	13.560460	
			10	13.560440	

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Voltage vs. Freque	ency Stability	Temperature vs. Frequency Stability				
Voltage (Vac)	Measurement Frequency (MHz)	Temperature (°C)	Time	Measurement Frequency (MHz)		
		50	0	13.560440		
			2	13.560440		
			5	13.560440		
			10	13.560440		
Max.Deviation (MHz)	0.000470	Max.Deviati	on (MHz)	0.000600		
Max.Deviation (ppm)	34.6608	Max.Deviation (ppm)		44.2478		
Limit	FS < ±100 ppm	Limit		FS < ±100 ppm		
Test Result	PASS	Test Result		Test Result PAS		PASS

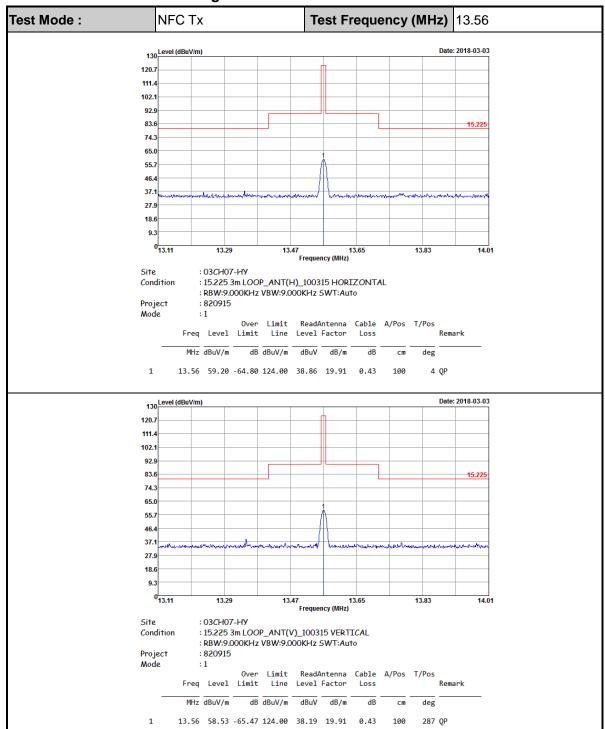
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Appendix C. Test Results of Radiated Test Items

C1. Test Result of Field Strength of Fundamental Emissions

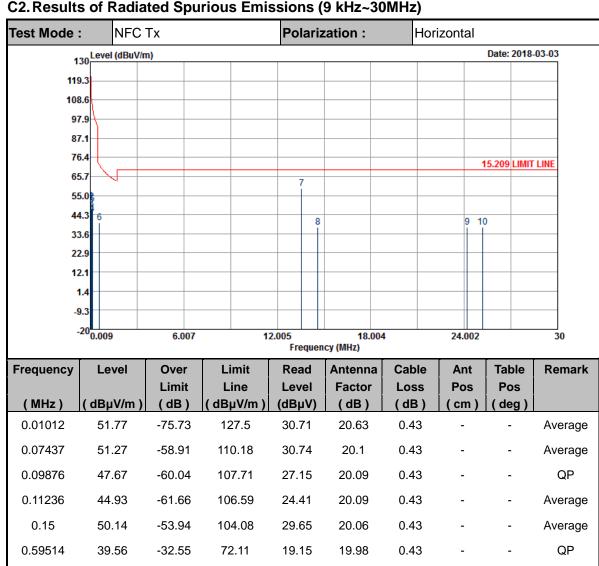


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C2. Results of Radiated Spurious Emissions (9 kHz~30MHz)



38.79

16.93

15.47

15.72

19.91

19.93

20.5

20.48

0.43

0.43

1.2

1.2

100

0

QP

QP

QΡ

QP

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13.56

14.6

24.199

25.195

59.13

37.29

37.17

37.4

-32.21

-32.33

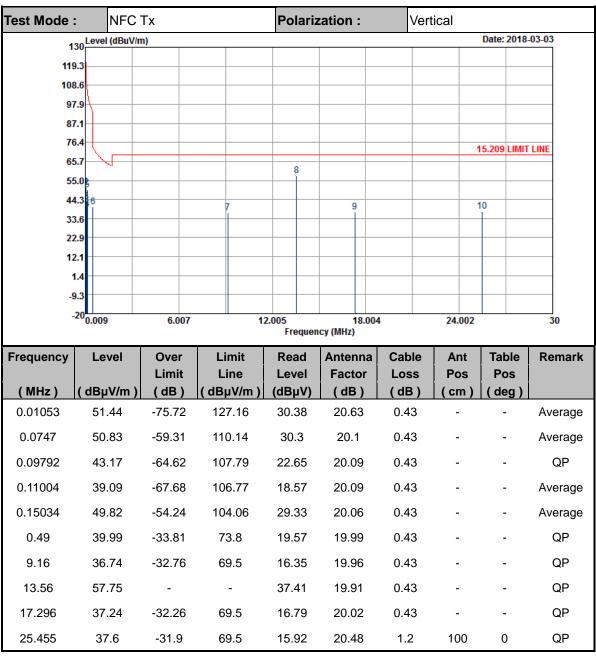
-32.1

69.5

69.5

69.5



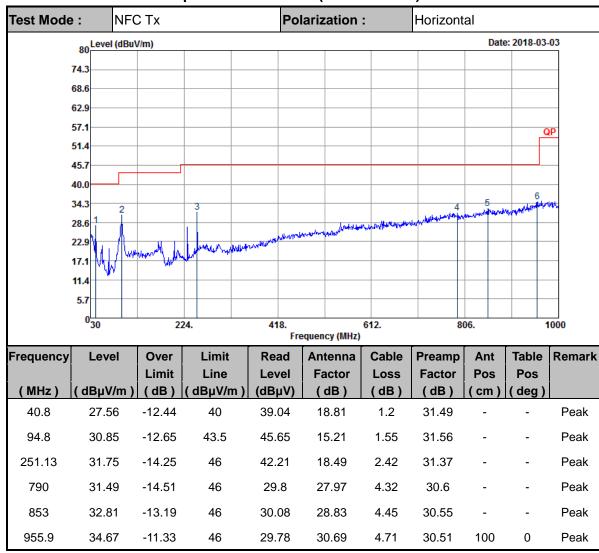


Note:

- 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.

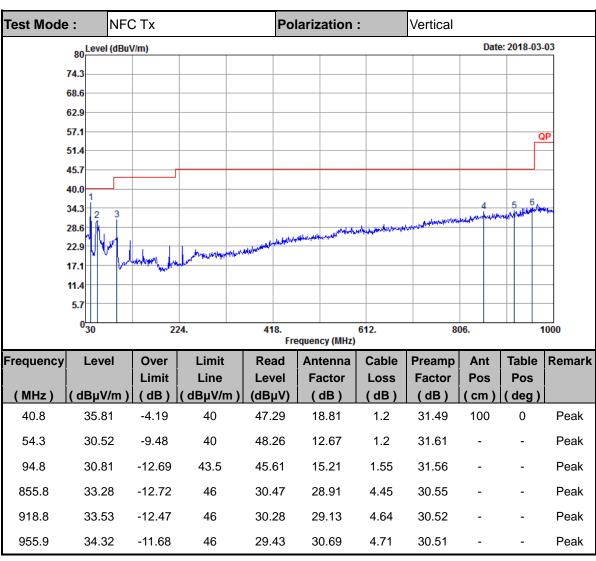
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C3. Results of Radiated Spurious Emissions (30MHz~1GHz)



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Report No.: FR820915D

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