FCC RF Test Report

APPLICANT: Xiaomi Communications Co., Ltd.

EQUIPMENT: Mobile Phone

BRAND NAME : MI

MODEL NAME : M1903F2G

FCC ID : 2AFZZ-XMSF2G

STANDARD : FCC Part 15 Subpart C §15.225

CLASSIFICATION: (DXX) Low Power Communication Device Transmitter

The product was received on Dec. 27, 2018 and testing was completed on Feb. 24, 2019. We, Sporton International (Kunshan) 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 (Kunshan) Inc., the test report shall not be reproduced except in full.

James Huang

Approved by: James Huang / Manager



Sporton International (Kunshan) Inc.

No. 1098, Pengxi North Road, Kunshan Economic Development Zone, Jiangsu Province 215335, China

Sporton International (Kunshan) Inc.

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Report Version : Rev. 01

Report No.: FR8D2708D

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- C1. Test Result of Field Strength of Fundamental Emissions
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- C3. Results of Radiated Emissions (30MHz~1GHz)

APPEDNIX D. SETUP PHOTOGRAPHS

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REVISION HISTORY

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REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR8D2708D	Rev. 01	Initial issue of report	Feb. 25, 2019

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SUMMARY OF THE TEST RESULT

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Report Section	FCC Rule	Description of Test	Result	Remark
3.1	15.207	AC Power Line Conducted Emissions	Complies	Under limit 12.59 dB at 13.56MHz
	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 57.32 dBµV/m at 13.560 MHz
3.5	15.225(d) & 15.209	Radiated Spurious Emissions	Complies	Under limit 10.12 dB at 47.46MHz
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

1.2 Manufacturer

Xiaomi Communications Co., Ltd.

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

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1.3 Product Feature of Equipment Under Test

Product Feature				
Equipment	Mobile Phone			
Brand Name	MI			
Model Name	M1903F2G			
FCC ID	2AFZZ-XMSF2G			
	GSM/GPRS/EGPRS/WCDMA/HSPA/			
	DC-HSDPA/HSPA+(16QAM uplink is not supported)/LTE			
	WLAN 2.4GHz 802.11b/g/n HT20			
EUT supports Radios application	WLAN 5GHz 802.11a/n HT20/HT40			
	WLAN 5GHz 802.11ac VHT20/VHT40/VHT80			
	Bluetooth BR / EDR / LE			
	NFC/GNSS			
	Conducted: 862536040007734/862536040007742			
IMEI Code	Conduction: 862536040008559/862536040008567			
	Radiation: 862536040008419/862536040008427			
HW Version	P2			
SW Version	MIUI10			
EUT Stage	Identical Prototype			

Remark:

- **1.** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
- **2.** There are two samples, the difference is for memory capacity. According to the difference, sample 1 is assessed to perform full test.

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1.4 Product Specification of Equipment Under Test

Standards-related Product Specification				
Tx/Rx Frequency Range	13.553 ~ 13.567MHz			
Channel Number	1			
20dBW	2.48 KHz			
99%OBW	2.11 KHz			
Antenna Type	Planar Antenna			
Type of Modulation	ASK			

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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.

1.5 Modification of EUT

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

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1.6 Testing Location

Sporton International (Kunshan) Inc. is accredited to ISO 17025 by National Voluntary Laboratory Accreditation Program (NVLAP code: 600155-0).

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Test Site	Sporton International (Kunshan) Inc.				
	No. 1098, Pengxi North Road, Kunshan Economic Development Zone,				
Test Site Location	Jiangsu Province 215335, China				
lest Site Location	TEL: 86-512-57900158				
	FAX : 86-512-57900958				
	Sporton Site No.	FCC designation No.	FCC Test Firm Registration No.		
Test Site No.	TH01-KS				
lest Site No.	CO01-KS	CN5013	630927		
	03CH02-KS				

1.7 Applicable Standards

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

- 47 CFR 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	

The EUT pre-scanned in four NFC type, A, B. The worst type (type B) was recorded in this report. Pre-scanned tests, X, Y, Z in three orthogonal panels to determine the final configuration (Y plane as worst plane) from all possible combinations.

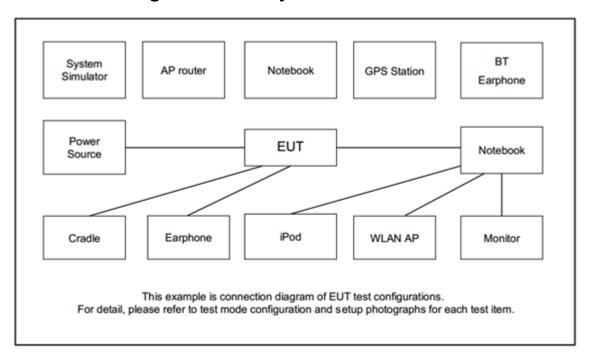
	Test Cases					
AC Conducted	Mode 1: GSM850 Idle + Bluetooth Link + WLAN Link (2.4G) + USB Cable1(Charging					
Emission	from Adapter) + NFC TX					

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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.	LTE Base Station	Anritsu	MT8820C	N/A	N/A	Unshielded,1.8m
2.	Bluetooth Earphone	Xiaomi	LYEJ02LM	N/A	N/A	N/A
3.	WLAN AP	D-Link	DIR-855	KA2DIR855A2		Unshielded,1.8m
4.	Notebook	Lenovo	G480	N/A	NI/A	AC I/P: Unshielded, 1.8m DC O/P: Shielded, 1.8 m
5.	NFC Card	N/A	N/A	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 3 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 (dΒμV)
(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.

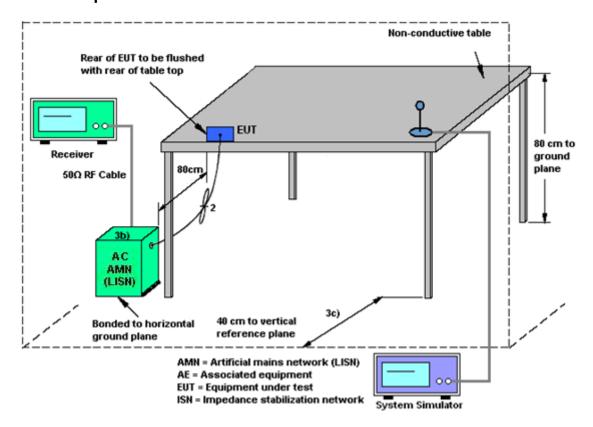
3.1.3 Test Procedures

- 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.

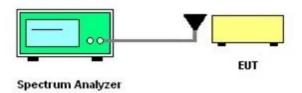
3.2.2 Measuring Instruments

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 the spectrum mask is tested with RBW set to 9kHz.			o 9kHz.
From of Emission (MUT)	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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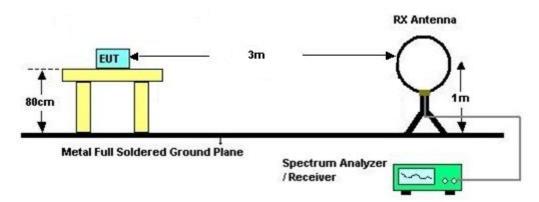
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3.4.3 Test Procedures

- 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.
- 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 with RBW set to 9kHz. Note: Emission level ($dB\mu V/m$) = 20 log Emission level ($\mu V/m$).

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.

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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.

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- 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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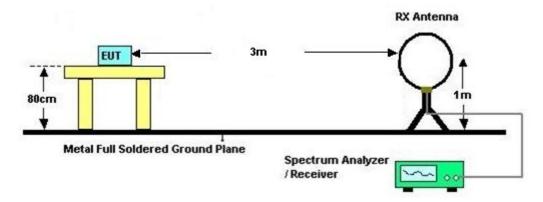
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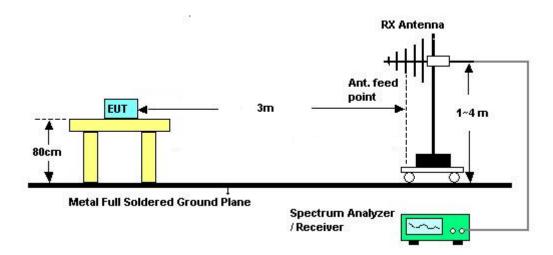
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3.5.5 Test Setup

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	ent Manufacturer Model No.		Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark	
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Ma x 30dBm	Aug. 06, 2018	Feb. 22, 2019	Aug. 05, 2019	Radiation (03CH02-KS)	
Loop Antenna	R&S	HFH2-Z2	100321	9kHz~30MHz	Oct. 19, 2018	Feb. 22, 2019	Oct. 18, 2019	Radiation (03CH02-KS)	
Bilog Antenna	TeseQ	CBL6112D	23182	30MHz-2GHz	Dec. 29, 2018	Feb. 22, 2019	Dec. 28, 2019	Radiation (03CH02-KS)	
Amplifier	SONOMA	310N	187289	9KHz-1GHz	Aug. 06, 2018	Feb. 22, 2019	Aug. 05, 2019	Radiation (03CH02-KS)	
AC Power Source	Chroma	61601	F1040900 04	N/A	NCR	Feb. 22, 2019	NCR	Radiation (03CH02-KS)	
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Feb. 22, 2019	NCR	Radiation (03CH02-KS)	
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	m NCR Feb. 22, 20		NCR	Radiation (03CH02-KS)	
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 19, 2018	Feb. 24, 2019	Apr. 18, 2019	Conduction (CO01-KS)	
AC LISN	MessTec	AN3016	060103	9kHz~30MHz	Oct. 12, 2018	Feb. 24, 2019	Oct. 11, 2019	Conduction (CO01-KS)	
AC LISN (for auxiliary equipment)	MessTec	AN3016	060105	9kHz~30MHz	Nov. 19, 2018	Feb. 24, 2019	Nov. 18, 2019	Conduction (CO01-KS)	
AC Power Source	Chroma	61602	ABP00000	AC 0V~300V, Oct. 12, 2018		Feb. 24, 2019	Oct. 11, 2019	Conduction	
AC FOWEI Source	Oniona	01002	0811	45Hz~1000Hz	Oct. 12, 2010	1 00. 24, 2013	Oct. 11, 2015	(CO01-KS)	
RF Cable	WOKEN	Y5T	00100N1Q 3N1	150kHz~30MHz	Aug. 24, 2018	Feb. 24, 2019	Aug. 23, 2019	Conduction (CO01-KS)	
Transient limiter	COM-POWER	LIT-153	531040	150kHz~30MHz	Aug. 24, 2018	Feb. 24, 2019	Aug. 23, 2019	Conduction (CO01-KS)	
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Aug. 07, 2018	Feb. 22, 2019	Aug. 06, 2019	Conducted (TH01-KS)	
Thermal Chamber	Ten Billion	TTC-B3S	TBN-9605 02	-40~+150°C	Nov. 19, 2018	Feb. 22, 2019	Nov. 18, 2019	Conducted (TH01-KS)	

NCR: No Calibration Required

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5. Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.10-2013. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

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

Measuring Uncertainty for a Level of Confidence	2.9 dB
of 95% (U = 2Uc(y))	2.9 UB

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

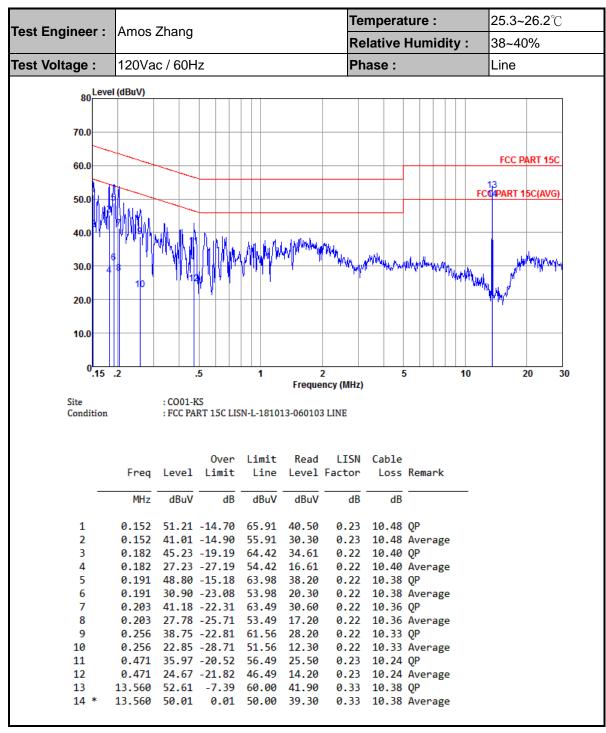
Measuring Uncertainty for a Level of Confidence	4.8dB
of 95% (U = 2Uc(y))	4.0UD

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Appendix A. Test Results of Conducted Emission Test



(1) with antenna

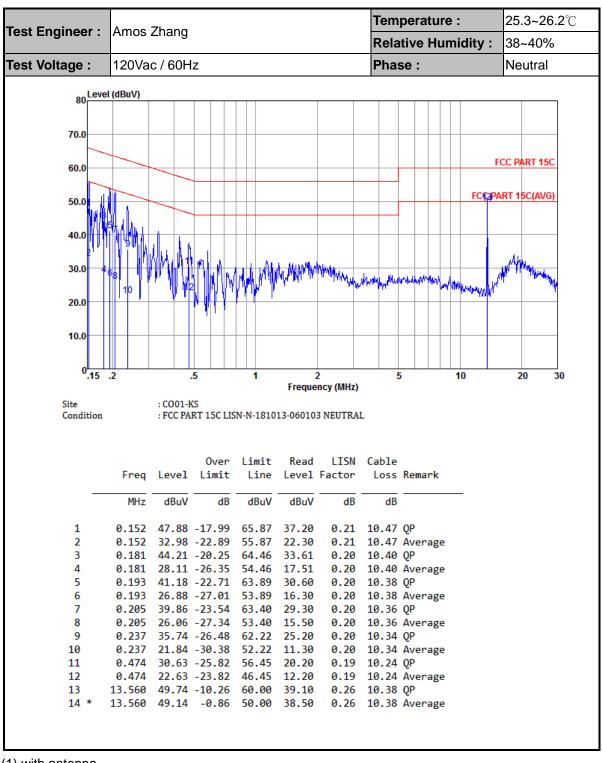
Remark: 13.560MHz is the NFC RF fundamental signal.

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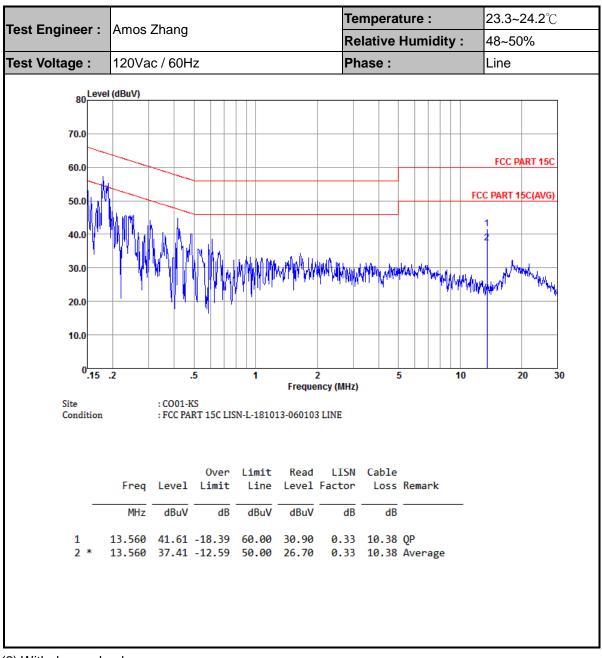
(1) with antenna

Remark: 13.560MHz is the NFC RF fundamental signal.

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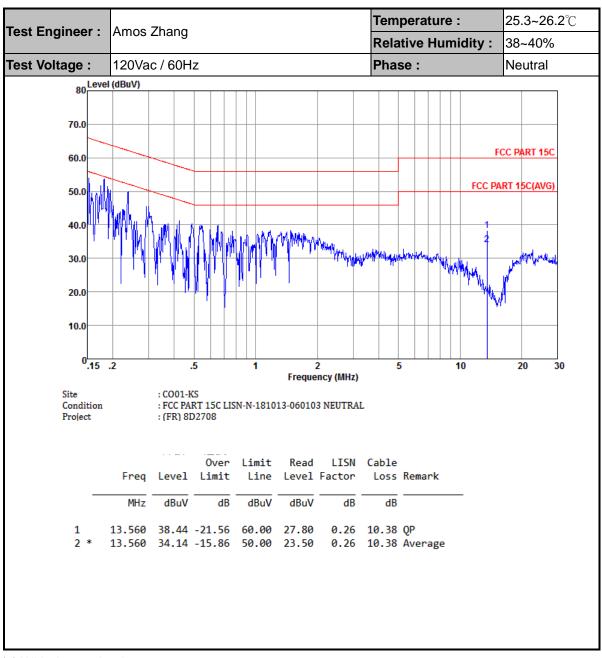


(2) With dummy load

Remark: Only the fundamental NFC signal needs to be retested per KDB 174176.

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(2) With dummy load

Remark: Only the fundamental NFC signal needs to be retested per KDB 174176.

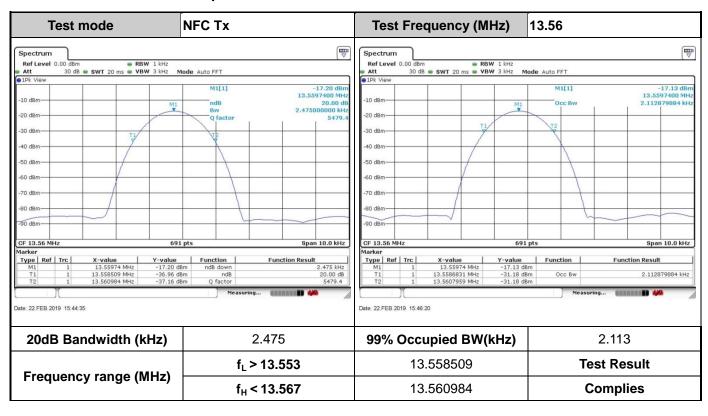
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Appendix B. Test Results of Conducted Test Items

B1. Test Result of 20dB Spectrum Bandwidth



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B2. Test Result of Frequency Stability

B3. Voltage vs. Fre	quency Stability	Temperature vs. Frequency Stability					
Voltage (Vac)	Measurement Frequency (MHz)	Temperature (℃)	Measurement Frequency (MHz)				
120	13.559725	-20	13.559725				
102	13.559725	-10	13.559725				
138	13.559725	0	13.559733				
		10	13.559725				
		20	13.559725				
		30	13.559725				
		40	13.559725				
		50	13.559725				
Max.Deviation (MHz)	-0.000275	Max.Deviation (MHz)	-0.000275				
Max.Deviation (ppm)	-20.2802	Max.Deviation (ppm)	-20.2802				
Limit	FS < ±100 ppm	Limit	FS < ±100 ppm				
Test Result	PASS	Test Result	PASS				

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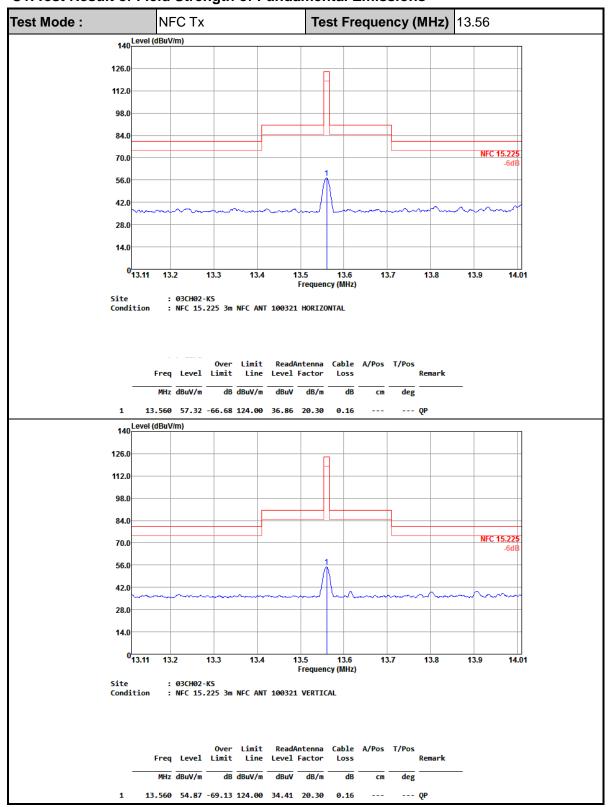
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Appendix C. Test Results of Radiated Test Items

C1. Test Result of Field Strength of Fundamental Emissions



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

Test Mode :	: NFC	Tx		Polariz	ation:	Hor	Horizontal			
Frequency	Level	Over	Limit	Read	Antenna	Cable	Ant	Table	Remark	
(MHz)	(dBµV/m)	Limit (dB)	Line (dBµV/m)	Level (dBµV)	Factor (dB)	Loss (dB)	Pos (cm)	Pos (deg)		
,	, ,	, ,	, , ,	• •	, , ,	, ,	(((()	(deg)		
0.00985	28.11	-99.63	127.74	7.5	20.6	0.01	-	-	Average	
0.01915	31.54	-90.42	121.96	10.93	20.6	0.01	-	-	Average	
0.28505	55.48	-43.01	98.49	35.96	19.51	0.01	-	-	Average	
0.5718	51.66	-20.78	72.44	31.41	20.23	0.02	-	-	QP	
2.642	46.52	-23.02	69.54	25.48	21	0.04	-	-	QP	
10.288	38.82	-30.72	69.54	18.49	20.21	0.12	-	-	QP	

Test Mode	: NFC	Tx		Polarization : Vertical					
Frequency (MHz)	Level	Over Limit (dB)	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cable Loss (dB)	Ant Pos	Table Pos (deg)	Remark
0.00999	25.56	-102.06	127.62	4.95	20.6	0.01	-	-	Average
0.01732	26.81	-96.02	122.83	6.2	20.6	0.01	-	-	Average
0.2869	52.11	-46.32	98.43	32.59	19.51	0.01	-	-	Average
0.8567	41.81	-27.12	68.93	21.06	20.73	0.02	-	-	QP
2.642	44.6	-24.94	69.54	23.56	21	0.04	-	-	QP
10.046	36.18	-33.36	69.54	15.86	20.2	0.12	-	-	QP

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. Distance extrapolation factor = 40 log (specific distance / test distance) (dB);
- 3. Limit line = specific limits $(dB\mu V)$ + distance extrapolation factor.

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

Test Mode	:	NFC	Tx		Polariz	Polarization : Horizontal						
Frequency	Le	vel	Over Limit	Limit Line	Read Level	Antenna Factor	Cal Los		Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	(dBµ	V/m)	(dB)	(dBµV/m)	(dBµV)	(dB)	(dE	3)	(dB)	(cm)	(deg)	
40.67	21.	.05	-18.95	40	33.99	18.35	0.6	67	31.96	-	-	Peak
48.43	20).4	-19.6	40	36.9	14.71	0.7	' 3	31.94	-	-	Peak
67.83	19.	.09	-20.91	40	37.61	12.56	0.8	35	31.93	-	-	Peak
94.99	26	8.8	-16.7	43.5	41.67	16.05	1.0)1	31.93	100	0	Peak
122.15	25.	.15	-18.35	43.5	37.95	18.01	1.1	2	31.93	-	-	Peak
230.79	26.	.49	-19.51	46	40.49	16.31	1.6	3	31.94	-	-	Peak

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Test Mode	: NI	FC Tx		Polariz	ation :		Vertical				
Frequency (MHz)	Leve	Limit	Limit Line (dBµV/m)	Read Level (dBµV)	Antenna Factor (dB)	Cal Lo:	SS	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.46	29.88		40	45.93	15.16	0.7		31.94	100	0	Peak
94.99	27.54	4 -15.96	43.5	42.41	16.05	1.0)1	31.93	-	-	Peak
122.15	23.92	2 -19.58	43.5	36.72	18.01	1.1	2	31.93	-	-	Peak
219.15	25.22	2 -20.78	46	40.47	15.11	1.5	6	31.92	-	-	Peak
230.79	24.45	5 -21.55	46	38.45	16.31	1.6	3	31.94	-	-	Peak
585.81	24.17	7 -21.83	46	29.87	24.14	2.5	55	32.39	-	-	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.

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