

EMI TEST REPORT

FCC CERTIFICATION

Applicant:

LG Electronics USA, Inc.
1000 Sylvan Avenue, Englewood Cliffs NJ 07632
United States

Date of Issue: May 10, 2019**Test Report No. HCT-EM-1904-FC021****Test Site: HCT CO., LTD.****FCC ID :****ZNFX420AS8**

Rule Part(s) / Standard(s) : 47 CFR PART 15 Subpart B Class B
ANSI C63.4-2014

EUT Type : Portable Handset

Model Name : LM-X420AS8

Additional Model Name : LMX420AS8, X420AS8, LM-X420CS, LMX420CS, X420CS

Date of Test : April 17, 2019 to April 24, 2019

The device bearing the trade name and model specified above, has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014. (See Test Report if any modifications were made for compliance)

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

HCT certifies that no party to application has been denied the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C 862

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REVISION HISTORY

The revision history for this document is shown in table.

Report No.	Issue Date	Information About Changes
HCT-EM-1904-FC021	May 10, 2019	Initial Release



TABLE OF CONTENTS

	PAGE
1. GENERAL INFORMATION	4
1.1 Description of EUT	4
1.2 Tested System Details	5
1.3 Cable Description	6
1.4 Noise Suppression Parts on Cable. (I/O Cable)	6
1.5 Test Facility	7
1.6 Calibration of Measuring Instrument	7
1.7 Measurement Uncertainty	7
2. LIST OF TEST EQUIPMENT	8
3. DESCRIPTION OF TEST	9
3.1 Measurement of Conducted Emission	9
3.2 Measurement of Radiated Emission	10
4. OPERATING MODES	12
4.1 Conducted Emission	12
4.2 Radiated Emission	12
5. CONDUCTED AND RADIATED EMISSION TEST SUMMARY	13
5.1 Conducted Emission	13
5.2 Radiated Emission	20
6. CONCLUSION	22
7. APPENDIX A. TEST SETUP PHOTOGRAPHS	23



1. GENERAL INFORMATION

1.1 Description of EUT

Its basic purpose is used for communications.

FCC ID	ZNFX420AS8
Model	LM-X420AS8
Additional Model	LMX420AS8, X420AS8, LM-X420CS, LMX420CS, X420CS
EUT Type	Portable Handset
TX Frequency	824.2 MHz to 848.8 MHz (GSM 850) 1 850.2 MHz to 1 909.8 MHz (GSM 1 900) 1 852.4 MHz to 1 907.6 MHz (WCDMA B2) 1712.4 MHz to 1752.6 MHz (WCDMA B4) 826.4 MHz to 846.6 MHz (WCDMA B5) 1 850 MHz to 1 910 MHz (LTE B2) 1 710 MHz to 1 755 MHz (LTE B4) 824 MHz to 849 MHz (LTE B5) 699 MHz to 716 MHz (LTE B12) 788 MHz to 798 MHz (LTE B14) 2 305 MHz to 2 315 MHz (LTE B30) 1 710 MHz to 1 780 MHz (LTE B66) 2 402 MHz to 2 480 MHz (Bluetooth) 2 412 MHz to 2 462 MHz (WiFi 2.4 GHz)
RX Frequency	869.2 MHz to 893.8 MHz (GSM 850) 1 930.2 MHz to 1 989.8 MHz (GSM 1 900) 1 932.4 MHz to 1 987.6 MHz (WCDMA B2) 2 112.4 MHz to 2 152.6 MHz (WCDMA B4) 871.4 MHz to 891.6 MHz (WCDMA B5) 1 930 MHz to 1 990 MHz (LTE B2) 2 110 MHz to 2 155 MHz (LTE B4) 869 MHz to 894 MHz (LTE B5) 729 MHz to 746 MHz (LTE B12) 758 MHz to 768 MHz (LTE B14) 717 MHz to 728 MHz (LTE B29) 2 350 MHz to 2 360 MHz (LTE B30) 2 110 MHz to 2 200 MHz (LTE B66) 2 402 MHz to 2 480 MHz (Bluetooth) 2 412 MHz to 2 462 MHz (WiFi 2.4 GHz)



1.2 Tested System Details

All equipment descriptions used in the tested system (including inserted cards) are:

Device Type	Model Name	Serial Number	Manufacturer
EUT	LM-X420AS8	-	LG
Notebook PC	ProBook6560b	5CB2053MXF	HP
Notebook PC Adaptor	Series PPP009L-E	-	LITE-ON TECHNOLOGY
Gateway	TL-WR747N	-	TP Link
Gateway Adaptor	T090060-2H1	-	TP Link
Serial Mouse	Serial 2 Button mouse	02031069	Radio Shack
RJ45 cable	-	-	-
Data Cable	EAD62377927*	-	Ningbo Broad
Data Cable	EAD62377921*	-	LEAGTECH
Earphone	EAB64468444	-	CRESYN
Micro SD Card	SAMSUNG EVO+ microSDXC CLASS10 UHS-I (256 GB)	-	SAMSUNG
Notebook PC	ProBook6560b	5CB2053MXF	HP

**NOTE. The worst-case emissions are reported.*



1.3 Cable Description

Product Name	Port	Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (m)
EUT	Micro USB	Y	Y	(P,D)1.0
	Earphone	N/A	N	(D)1.2
Notebook PC	RJ 45	N/A	N	(D)1.6
	Serial (Mouse)	N/A	Y	(D)1.8
	DC in	N	N/A	(P)1.8
Gateway	DC in	N	N/A	(P)1.8

* The marked “(D)” means the data cable and “(P)” means the power cable.

1.4 Noise Suppression Parts on Cable. (I/O Cable)

Product Name	Port	Ferrite Bead (Y/N)	Location	Metal Hood (Y/N)	Location
EUT	Micro USB	N	N/A	Y	Both End
	Earphone	N	N/A	Y	EUT End
Notebook PC	RJ 45	N	N/A	N	N/A
	Serial (Mouse)	N	N/A	Y	Notebook PC End



1.5 Test Facility

Test site is located at 74, SEOICHEON-RO, 578BEON-GIL, MAJANG-MYEON, ICHEON-SI, GYEONGGI-DO, SOUTH KOREA. Those measurement facilities are constructed in conformance with the requirements of ANSI C63.4-2014. The Normalized site attenuations (30 MHz to 1 GHz) and Site validation (1 GHz to 18 GHz) were performed in accordance with the standard in ANSI C63.4-2014

Measurement Facilities	Registration Number
Radiated Field strength measurement facility 3 m Semi Anechoic chamber	KR0032
Radiated Field strength measurement facility 10 m Semi Anechoic chamber #1	
Radiated Field strength measurement facility 10 m Semi Anechoic chamber #2	

1.6 Calibration of Measuring Instrument

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturers recommendations for utilizing calibration equipments, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2006).

1.7 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014.

All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95 % level of confidence. The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (dB)
Conducted Emission (0.15 MHz to 30 MHz)	1.82 dB
Radiated Emissions (30 MHz to 1 GHz)	5.20 dB
Radiated Emissions (1 GHz to 18 GHz)	5.24 dB
Radiated Emissions (18 GHz to 40 GHz)	5.40 dB



2. LIST OF TEST EQUIPMENT

<u>Type</u>	<u>Manufacturer</u>	<u>Model Name</u>	<u>Serial Number</u>	<u>Calibration Cycle</u>	<u>CAL Date</u>
<u>Conducted Emission</u>					
☒ EMI Test Receiver	Rohde & Schwarz	ESCI	100584	1 year	06.25.2018
☐ EMI Test Receiver	Rohde & Schwarz	ESCI	100033	1 year	06.27.2018
☒ LISN	Rohde & Schwarz	ENV216	102245	1 year	12.12.2018
☒ LISN	Rohde & Schwarz	ENV216	100073	1 year	05.03.2018
☒ Software	Rohde & Schwarz	EMC32 VER8.54.0	-	-	-

Radiated Emission

-For measurement below 1 GHz

☐ EMI Test Receiver	Rohde & Schwarz	ESU40	100524	1 year	07.27.2018
☒ EMI Test Receiver	ESI40	Rohde & Schwarz	831564103	1 year	10.31.2018
☒ Trilog Antenna	Schwarzbeck	VULB 9168	255	2 year	03.26.2019
☐ Trilog Antenna	Schwarzbeck	VULB 9168	760	2 year	03.22.2019
☒ Antenna master	INNCO Systems	MA4640-XP-ET	-	N/A	-
☒ Antenna master controller	INNCO Systems	CO 3000	CO3000/870/ 35990515/L	N/A	-
☒ Turn Table	INNCO Systems	1060	-	N/A	-
☒ Turn Table controller	INNCO Systems	CO2000	CO2000/095/ 7590304/L	N/A	-
☐ EMI Test Receiver	Rohde & Schwarz	ESU26	100241	1 year	08.14.2018
☐ Antenna master	INNCO Systems	MA4000-EP	MA4000/283	N/A	-
☐ Turn Table	INNCO Systems	DT3000-3T	DT3000/69	N/A	-
☒ Software	Rohde & Schwarz	EMC32 VER8.40.0	-	-	-

-For measurement above 1 GHz

☐ EMI Test Receiver	Rohde & Schwarz	ESU40	100524	1 year	07.27.2018
☒ EMI Test Receiver	ESI40	Rohde & Schwarz	831564103	1 year	10.31.2018
☒ Antenna master	INNCO Systems	MA4640-XP-ET	-	N/A	-
☒ Antenna master controller	INNCO Systems	CO3000	CO3000/870/ 35990515/L	N/A	-
☒ Turn Table	INNCO Systems	1060	-	N/A	-
☒ Turn Table controller	INNCO Systems	CO2000	CO2000/095/ 7590304/L	N/A	-
☒ Low Noise Amplifier	TESTEK	TK-PA18H	170034-L	1 year	03.04.2019
☒ Horn Antenna	Schwarzbeck	BBHA 9120D	01836	2 year	07.20.2018
☐ Power Amplifier	TESTEK	TK-PA1840H	170030-L	1 year	12.17.2018
☐ Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170#786	2 year	12.05.2017
☐ Antenna master controller	HD GmbH	HD 100	100/637	N/A	-
☐ Power Amplifier	CERNEX	CBLU1183540	21691	1 year	06.25.2018
☐ Antenna master	HD GmbH	MA240	240/520	N/A	-
☐ EMI Test Receiver	Rohde & Schwarz	ESU26	100241	1 year	08.14.2018
☐ Turn Table	INNCO Systems	DT3000-3T	DT3000/69	N/A	-
☒ Software	Rohde & Schwarz	EMC32 VER8.40.0	-	-	-



3. DESCRIPTION OF TEST

3.1 Measurement of Conducted Emission

The test procedure was in accordance with ANSI C63.4-2014, Clause 7.3

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN).

If the EUT is connected to the PC through USB, the AC power-line adapter of the PC is directly connected to a line impedance stabilization network (LISN).

Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

- b. Both conducted lines are measured in Quasi-Peak and Average mode, including the worst-case data points for each tested configuration.
- c. The frequency range from 150 kHz to 30 MHz was searched.

[Conducted Emission Limits]

Frequency (MHz)	Resolution Bandwidth (kHz)	Quasi-Peak (dB(μV))	Average (dB(μV))
0.15 to 0.5	9	66 to 56*	56 to 46*
0.5 to 5	9	56	46
5 to 30	9	60	50

**Decreases with the logarithm of the frequency.*



3.2 Measurement of Radiated Emission

The test procedure was in accordance with ANSI C63.4-2014, Clause 8.3

- a. The EUT was placed on the top of a turn table 0.8 meters above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 m away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from 1 m to 4 m above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 m to 4 m and the turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to Peak and Average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
- g. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.(1 GHz to 40 GHz)

[Radiated Emission Limits]

Frequency (MHz)	Antenna Distance (m)	Field Strength ($\mu\text{V}/\text{m}$)	Quasi-Peak ($\text{dB}(\mu\text{V})/\text{m}$)
30 to 88	3	100	40.0
88 to 216	3	150	43.5
216 to 960	3	200	46.0
Above 960	3	500	54.0
Frequency (MHz)	Antenna Distance (m)	Peak ($\text{dB}(\mu\text{V})/\text{m}$)	Average ($\text{dB}(\mu\text{V})/\text{m}$)
Above 1 000	3	74	54

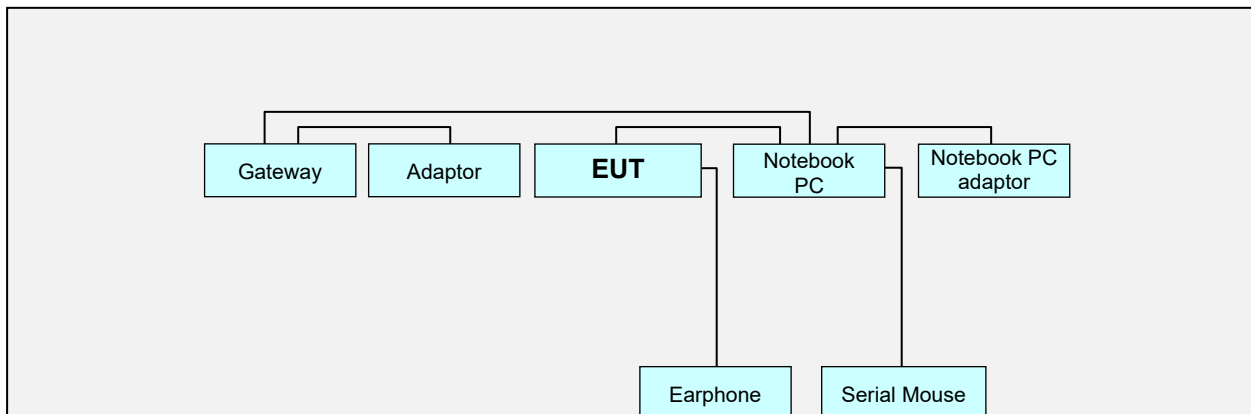


3.2.1 Frequency Range of Radiated Measurements

An unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a Radiated Emission limit is specified, up to the frequency shown in the following table

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 to 108	1 000
108 to 500	2 000
500 to 1 000	5 000
Above 1 000	5 th harmonic of the highest frequency or 40 GHz, whichever is lower

3.3 Configuration of Tested System



Non-Conductive Table
Power Line: 120 VAC, 60 Hz



4. PRELIMINARY TEST

4.1 Conducted Emission

It was tested the following operating mode, after connecting all peripheral devices.

Operating Modes:

☒ Data Communication mode

4.2 Radiated Emission

It was tested the following operating mode, after connecting all peripheral devices.

Operating Modes:

☒ Data Communication mode



5. CONDUCTED AND RADIATED EMISSION TEST SUMMARY

5.1 Conducted Emission

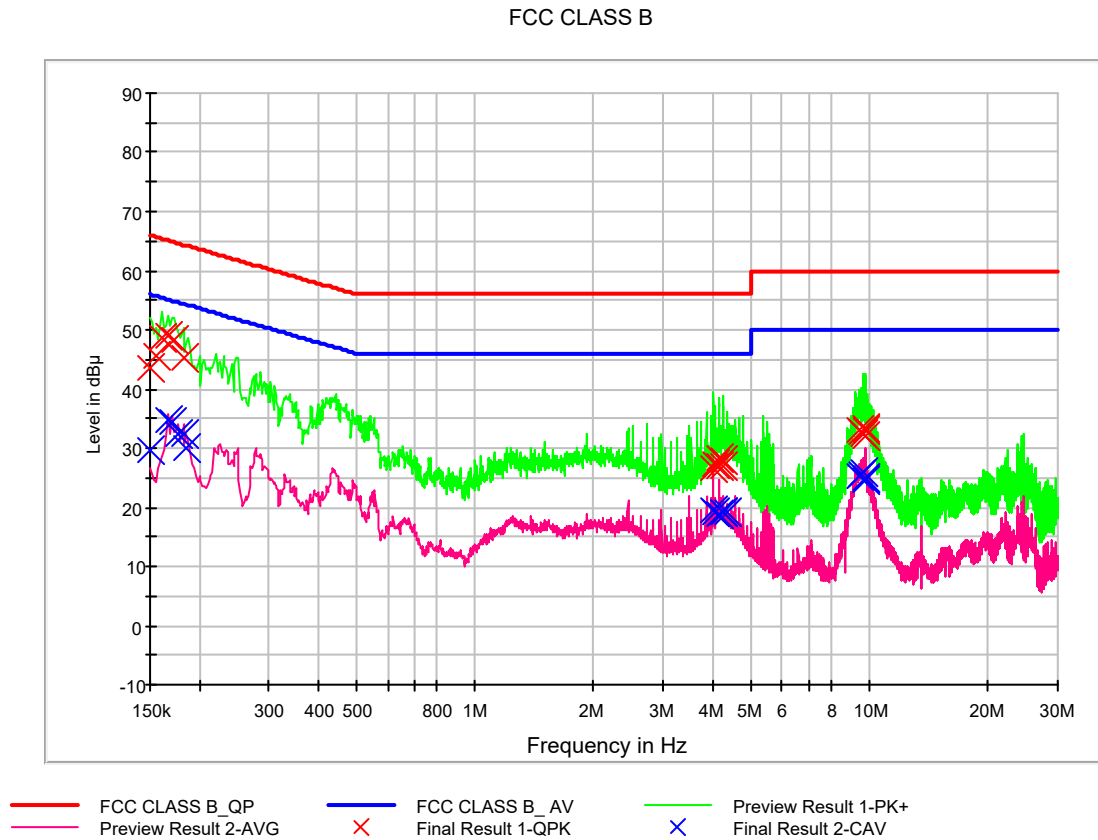
The test results of conducted emission at mains ports provide the following information:

Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 kHz (6 dB)
Operating Mode	Data Communication mode
Worst Case of Data Cable	EAD62377927 (Ningbo Broad)
Kind of Test Site	Shielded Room
Temperature	22.9 °C
Relative Humidity	43.5 %
Test Date	April 17, 2019

Ningbo Broad

- Calculation Formula:

1. Conductor L1 = Hot, Conductor N = Neutral
2. Corr. = LISN Factor + Cable Loss
3. QuasiPeak or CAverage= Receiver Reading + Corr.
4. Margin = Limit – QuasiPeak or CAverage

**Figure 1: Conducted Emission, AC Main Port, Line (L1)**



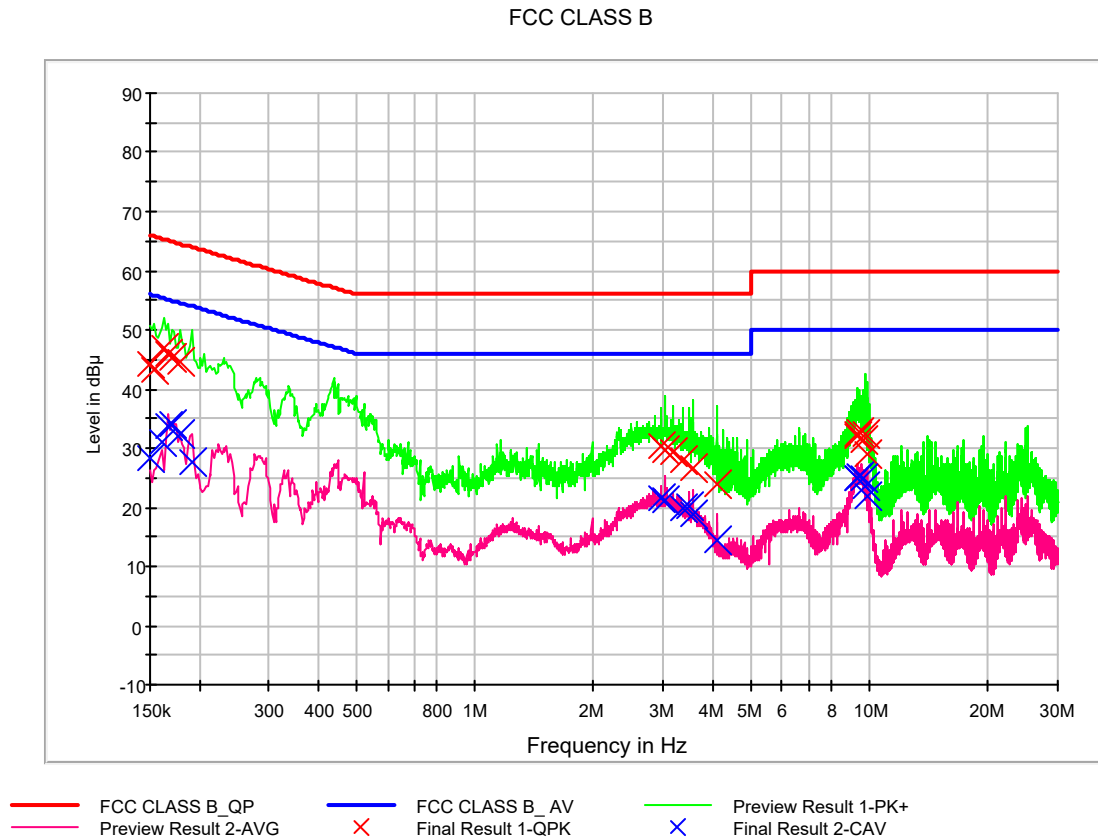
QuasiPeak Final Result, Line (L1)

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	43.6	9.000	L1	9.6	22.4	66.0
0.156000	45.6	9.000	L1	9.6	20.1	65.7
0.160000	48.7	9.000	L1	9.6	16.8	65.5
0.166000	49.0	9.000	L1	9.6	16.2	65.2
0.172000	48.3	9.000	L1	9.6	16.6	64.9
0.182000	45.2	9.000	L1	9.6	19.2	64.4
4.036000	26.7	9.000	L1	9.8	29.3	56.0
4.056000	27.3	9.000	L1	9.8	28.7	56.0
4.160000	26.8	9.000	L1	9.8	29.2	56.0
4.164000	28.1	9.000	L1	9.8	27.9	56.0
4.250000	27.9	9.000	L1	9.8	28.1	56.0
4.260000	27.0	9.000	L1	9.8	29.0	56.0
9.458000	33.1	9.000	L1	10.0	26.9	60.0
9.488000	32.8	9.000	L1	10.0	27.2	60.0
9.698000	32.3	9.000	L1	10.0	27.7	60.0
9.784000	33.3	9.000	L1	10.0	26.7	60.0
9.790000	32.0	9.000	L1	10.0	28.0	60.0
9.796000	32.9	9.000	L1	10.0	27.1	60.0



CAverage Final Result, Line (L1)

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	29.7	9.000	L1	9.6	26.3	56.0
0.166000	34.8	9.000	L1	9.6	20.3	55.2
0.170000	34.6	9.000	L1	9.6	20.4	55.0
0.176000	32.5	9.000	L1	9.6	22.2	54.7
0.182000	32.2	9.000	L1	9.6	22.2	54.4
0.186000	30.0	9.000	L1	9.7	24.3	54.2
4.034000	19.3	9.000	L1	9.8	26.7	46.0
4.056000	19.0	9.000	L1	9.8	27.0	46.0
4.160000	18.9	9.000	L1	9.8	27.1	46.0
4.250000	19.0	9.000	L1	9.8	27.0	46.0
4.260000	19.2	9.000	L1	9.8	26.8	46.0
4.362000	19.0	9.000	L1	9.8	27.0	46.0
9.424000	25.3	9.000	L1	10.0	24.7	50.0
9.492000	25.7	9.000	L1	10.0	24.3	50.0
9.698000	25.8	9.000	L1	10.0	24.2	50.0
9.784000	25.1	9.000	L1	10.0	24.9	50.0
9.790000	24.9	9.000	L1	10.0	25.1	50.0
9.796000	24.7	9.000	L1	10.0	25.3	50.0

**Figure 2: Conducted Emission, AC Main Port, Line (N)**



QuasiPeak Final Result, Line (N)

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	44.1	9.000	N	9.6	21.9	66.0
0.154000	43.2	9.000	N	9.6	22.5	65.8
0.162000	46.9	9.000	N	9.6	18.5	65.4
0.166000	46.0	9.000	N	9.6	19.1	65.2
0.170000	45.2	9.000	N	9.6	19.8	65.0
0.178000	44.6	9.000	N	9.6	20.0	64.6
2.970000	30.2	9.000	N	9.8	25.8	56.0
3.028000	29.8	9.000	N	9.8	26.2	56.0
3.176000	29.5	9.000	N	9.8	26.5	56.0
3.382000	28.0	9.000	N	9.8	28.0	56.0
3.562000	26.7	9.000	N	9.8	29.3	56.0
4.090000	23.8	9.000	N	9.8	32.2	56.0
9.310000	32.5	9.000	N	9.9	27.5	60.0
9.342000	32.2	9.000	N	9.9	27.8	60.0
9.444000	32.6	9.000	N	9.9	27.4	60.0
9.598000	31.3	9.000	N	9.9	28.7	60.0
9.754000	32.3	9.000	N	9.9	27.7	60.0
9.858000	29.0	9.000	N	9.9	31.0	60.0



CAverage Final Result, Line (N)

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	28.3	9.000	N	9.6	27.7	56.0
0.160000	30.9	9.000	N	9.6	24.6	55.5
0.166000	33.8	9.000	N	9.6	21.4	55.2
0.170000	33.9	9.000	N	9.6	21.0	55.0
0.178000	32.3	9.000	N	9.6	22.2	54.6
0.192000	27.5	9.000	N	9.6	26.4	53.9
2.970000	21.5	9.000	N	9.8	24.5	46.0
3.028000	21.1	9.000	N	9.8	24.9	46.0
3.382000	19.9	9.000	N	9.8	26.1	46.0
3.484000	20.2	9.000	N	9.8	25.8	46.0
3.560000	18.9	9.000	N	9.8	27.1	46.0
4.088000	14.5	9.000	N	9.8	31.5	46.0
9.312000	25.0	9.000	N	9.9	25.0	50.0
9.342000	25.0	9.000	N	9.9	25.0	50.0
9.444000	25.2	9.000	N	9.9	24.8	50.0
9.598000	24.9	9.000	N	9.9	25.1	50.0
9.754000	23.4	9.000	N	9.9	26.6	50.0
9.858000	21.8	9.000	N	9.9	28.2	50.0



5.2 Radiated Emission

The test results of radiated emission provide the following information:

For Measurement Below 1 GHz

Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Quasi-Peak
Bandwidth	120 kHz (6 dB)
Operating Mode	Data Communication mode
Worst Case of Data Cable	EAD62377927 (Ningbo Broad)
Kind of Test Site	3 m semi anechoic chamber
Temperature	21.8 °C
Relative Humidity	42.3 %
Test Date	April 24, 2019

Frequency (MHz)	Quasi Peak (dBμV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
36.803607	20.1	117.8	V	1.0	18.7	19.9	40.0
64.394790	20.9	100.0	V	0.0	18.8	19.1	40.0
87.260521	23.4	175.0	H	292.0	14.6	16.6	40.0
265.601203	29.5	100.0	H	188.0	19.2	16.5	46.0
275.913828	28.4	125.3	H	342.0	19.6	17.6	46.0
961.216432	30.6	100.0	V	1.0	31.8	23.4	54.0

- Calculation Formula:

1. POL. H = Horizontal, POL. V = Vertical
2. QuasiPeak = Reading (Receiver Reading) + Corr.
3. Corr. (Correction Factor) = Antenna Factor + Cable Loss
4. Margin = Limit - QuasiPeak



For Measurement Above 1 GHz

Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Peak mode: Peak (RBW: 1 MHz, VBW: 3 MHz) CISPR-Average mode: Peak (RBW: 1 MHz, VBW: 10 Hz)
Highest Frequency	2 480 MHz
Tested Frequency Range	1 GHz to 18 GHz
Operation Mode	Data Communication mode
Worst Case of Data Cable	EAD62377927 (Ningbo Broad)
Kind of Test Site	3 m semi anechoic chamber
Temperature	21.8 °C
Relative Humidity	42.3 %
Test Date	April 24, 2019

Frequency (MHz)	Peak (dBμV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1399.749499	49.6	233.0	V	218.0	-26.1	24.4	74.0
1997.645291	51.4	100.0	V	46.0	-25.3	22.6	74.0
2660.070140	49.4	116.9	V	0.0	-22.7	24.6	74.0
5978.206413	43.4	100.0	V	118.0	-14.9	30.6	74.0
10404.959920	47.4	133.7	H	0.0	-3.9	26.6	74.0
17896.643286	53.2	182.7	V	300.0	7.0	20.8	74.0

Frequency (MHz)	CAverage (dBμV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1399.749499	47.1	233.0	V	218.0	-26.1	6.9	54.0
1997.645291	26.6	100.0	V	46.0	-25.3	27.4	54.0
2660.070140	23.0	116.9	V	0.0	-22.7	31.0	54.0
5978.206413	27.9	100.0	V	118.0	-14.9	26.1	54.0
10404.959920	35.0	133.7	H	0.0	-3.9	19.0	54.0
17896.643286	40.7	182.7	V	300.0	7.0	13.3	54.0

- Calculation Formula:

1. POL. H = Horizontal, POL. V = Vertical
2. Peak or CAverage = Reading (Receiver Reading) + Corr.
3. Corr. (Correction Factor) = Antenna Factor+ Cable Loss –Amplifier Gain
4. Margin = Limit - Peak or CAverage



6. CONCLUSION

The data collected shows that the **EUT Type: Portable Handset, FCC ID: ZNFX420AS8, Model: LM-X420AS8** complies with §15.107 and §15.109 of the FCC rules.



7. APPENDIX A. TEST SETUP PHOTOGRAPHS

Please refer to Annex A.