On your side

TEST REPORT

EMI Test for FCC Certification / ISED of LM-K410WM Model

APPLICANT

LG Electronics USA, Inc.

REPORT NO.

HCT-EM-2002-FI002

DATE OF ISSUE

February 25, 2020

HCT Co., Ltd.

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TEST REPORT

EMI Test for FCC Certification / ISED

REPORT NO.
HCT-EM-2002-FI002

DATE OF ISSUE
February 25, 2020

FCC ID / IC
ZNFK410WM / 2703C-K410WM

Applicant	**LG Electronics USA, Inc.** 1000 Sylvan Avenue, Englewood Cliffs NJ 07632 United States
Product Name Model Name Series Model Name	Multi-band GSM/WCDMA/LTE phone with Bluetooth, WLAN, NFC LM-K410WM Refer to the clause 1.1 Description of EUT
Travel Adaptor Information	Model name: MCS-V02WA2 Manufacturer: AOHAI
Date of Test	February 10, 2020 to February 19, 2020
Test Standard Used	FCC CFR 47 PART 15 Subpart B Class B / ICES-003 Issue 6 Class B ANSI C63.4-2014
Test Results	Refer to the present document
Manufacturer	LG Electronics Inc.

The result shown in this test report refer only to the sample(s) tested unless otherwise stated.

Tested by
Ki-Min Lee (signature)

Technical Manager
Jeong-Hyun Choi (signature)

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REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	February 25, 2020	Initial Release

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 denial the FCC benefits pursuant to Section 5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C 862

This Test Report is not related to the accredited test result by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA(American Association for Laboratory Accreditation), which signed the ILAC-MRA.

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1. GENERAL INFORMATION

1.1 Description of EUT

FCC ID	ZNFK410WM
IC	2703C-K410WM
Model Name	LM-K410WM
Series Model Name	LMK410WM, K410WM
Product Name	Multi-band GSM/WCDMA/LTE phone with Bluetooth, WLAN, NFC
TX Frequency	824.20 MHz to 848.80 MHz (GSM 850) 1 850.20 MHz to 1 909.80 MHz (GSM 1 900) 1 852.4 MHz to 1 907.6 MHz (WCDMA B2) 1712.4 MHz to 1752.6 MHz (WCDMA B4) 826.40 MHz to 846.60 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) 2 496 MHz to 2 570 MHz (LTE B7) 699 MHz to 716 MHz (LTE B12) 777 MHz to 787 MHz (LTE B13) 704 MHz to 716 MHz (LTE B17) 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) 13.56 (NFC)
RX Frequency	869.20 MHz to 893.80 MHz (GSM 850) 1 930.20 MHz to 1 989.80 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) 871.40 MHz to 891.60 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) 2 516 MHz to 2 690 MHz (LTE B7) 729 MHz to 746 MHz (LTE B12) 746 MHz to 756 MHz (LTE B13) 734 MHz to 746 MHz (LTE B17) 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) 13.56 (NFC)

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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-K410WM	-	LG
Travel Adaptor	MCS-V02WA2	-	AOHAI
DATA Cable	EAD64746101	-	NINGBO BROAD
Earphone	EAB64468445	-	BUJEON
Micro SD Card	SAMSUNG EVO+ microSDXC CLASS10 UHS- I	-	SAMSUNG

1.3 Cable Description

Product Name	Port	Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (m)
EUT	USB Type C	Y	Y	(P) 1.0
	Earphone	N/A	N	(D) 1.1

NOTE. 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	USB Type C	N	N/A	Y	Both End
	Earphone	N	N/A	Y	EUT End

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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	Designation No.
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	
Filing the EMI Measurement Facility (3 m Semi Anechoic Chamber and Shielded Room)	IC 5944A-4
Filing the EMI Measurement Facility (10 m Semi-Anechoic Chamber)	IC 5944A-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 equipment, which is traceable to recognized national standards. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5:2017

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
Conducted Emission (0.15 MHz to 30 MHz)	1.8 dB
3 m Radiated Emissions (30 MHz to 1 GHz)	4.8 dB
3 m Radiated Emissions (1 GHz to 18 GHz)	5.4 dB
3 m Radiated Emissions (18 GHz to 40 GHz)	5.7 dB

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2. DESCRIPTION OF TEST

2.1 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)	Class A		Class B	
		Quasi-Peak (dBµV)	Average (dBµV)	Quasi-Peak (dBµV)	Average (dBµV)
0.15 to 0.5	9	79	66	66 to 56*	56 to 46*
0.5 to 5	9	73	60	56	46
5 to 30	9	73	60	60	50

NOTE. Decreases with the logarithm of the frequency.

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2.2 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)	Class A			Class B		
	Antenna Distance (m)	Field Strength (μV/m)	Quasi-Peak (dBμV/m)	Antenna Distance (m)	Field Strength (μV/m)	Quasi-Peak (dBμV/m)
30 to 88	10	90	39.0	3	100	40.0
88 to 216	10	150	43.5	3	150	43.5
216 to 960	10	210	46.4	3	200	46.0
Above 960	10	300	49.5	3	500	54.0

Frequency (MHz)	Antenna Distance (m)	Class A		Class B	
		Peak (dBμV/m)	Average (dBμV/m)	Peak (dBμV/m)	Average (dBμV/m)
Above 1 000	3	80	60	74	54

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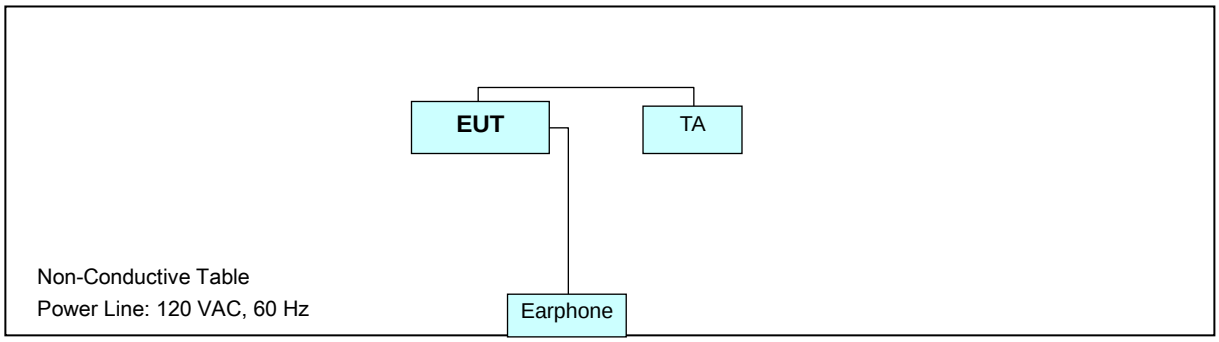
2.2.1 Frequency Range of Radiated Measurements

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	5th harmonic of the highest frequency or 40 GHz, whichever is lower

2.3 Configuration of Tested System



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3. PRELIMINARY TEST

3.1 Conducted Emission

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

Operating Modes: FRONT CAMERA & MP3 mode
REAR CAMERA & FM RADIO mode
IDLE mode
NOTE. The worst-case emissions are reported.

3.2 Radiated Emission

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

Operating Modes: FRONT CAMERA & MP3 mode
REAR CAMERA & FM RADIO mode
IDLE mode
NOTE. The worst-case emissions are reported.

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4. CONDUCTED EMISSION AND RADIATED EMISSION TEST SUMMARY

4.1 Conducted Emission

4.1.1 Measuring instruments

	Type	Manufacturer	Model Name	Serial Number	Calibration Cycle	Calibration Date
☒	EMI Test Receiver	Rohde & Schwarz	ESCI	100584	1 year	06.18.2019
☒	LISN	Rohde & Schwarz	ENV216	102245	1 year	09.11.2019
☒	Software	Rohde & Schwarz	EMC32	-	-	-

4.1.2 Operating Condition

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

Test Standard Used	FCC CFR 47 PART 15 Subpart B Class B ICES-003 Issue 6 Class B ANSI C63.4-2014
Frequency Range	150 kHz to 30 MHz
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 kHz (6 dB)
Worst Case of Operating Mode	REAR CAMERA & FM RADIO mode
Kind of Test Site	EMI Shielded Room
Temperature	22.7 °C
Relative Humidity	43.2 %
Test Date	February 11, 2020

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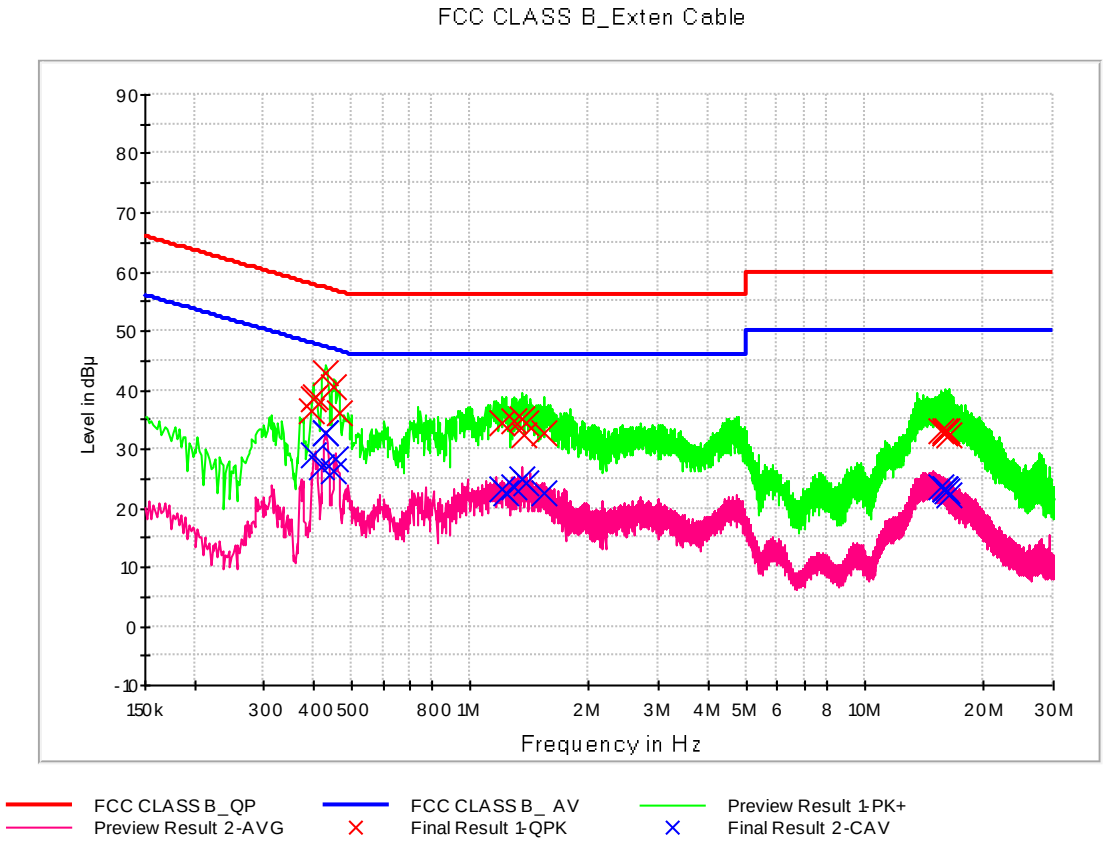
4.1.3 Measuring Data

Figure 1: Conducted Emission (150 kHz to 30 MHz), Line (L1)



QuasiPeak Final Result, Line (L1)

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.396000	36.5	9.000	L1	9.8	21.4	57.9
0.400000	38.4	9.000	L1	9.8	19.5	57.9
0.404000	38.7	9.000	L1	9.8	19.1	57.8
0.432000	43.0	9.000	L1	9.8	14.2	57.2
0.452000	40.4	9.000	L1	9.8	16.4	56.8
0.464000	36.3	9.000	L1	9.8	20.4	56.6
1.202000	34.5	9.000	L1	9.8	21.5	56.0
1.296000	34.6	9.000	L1	9.9	21.4	56.0
1.354000	35.3	9.000	L1	9.9	20.7	56.0
1.366000	32.5	9.000	L1	9.9	23.5	56.0
1.386000	34.4	9.000	L1	9.9	21.6	56.0
1.532000	32.7	9.000	L1	9.9	23.3	56.0
15.514000	33.0	9.000	L1	10.4	27.0	60.0
15.860000	32.7	9.000	L1	10.4	27.3	60.0
15.884000	33.0	9.000	L1	10.4	27.0	60.0
15.954000	32.8	9.000	L1	10.4	27.2	60.0
16.144000	32.9	9.000	L1	10.4	27.1	60.0
16.336000	32.5	9.000	L1	10.4	27.5	60.0

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

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CAverage Final Result, Line (L1)

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.400000	28.9	9.000	L1	9.8	19.0	47.9
0.422000	26.9	9.000	L1	9.8	20.5	47.4
0.428000	32.7	9.000	L1	9.8	14.6	47.3
0.432000	32.6	9.000	L1	9.8	14.7	47.2
0.450000	26.3	9.000	L1	9.8	20.6	46.9
0.454000	28.2	9.000	L1	9.8	18.6	46.8
1.202000	23.2	9.000	L1	9.8	22.8	46.0
1.234000	22.7	9.000	L1	9.8	23.3	46.0
1.296000	23.7	9.000	L1	9.9	22.3	46.0
1.354000	24.9	9.000	L1	9.9	21.1	46.0
1.386000	24.2	9.000	L1	9.9	21.8	46.0
1.532000	22.5	9.000	L1	9.9	23.5	46.0
15.514000	23.5	9.000	L1	10.4	26.5	50.0
15.860000	23.1	9.000	L1	10.4	26.9	50.0
15.884000	23.1	9.000	L1	10.4	26.9	50.0
15.954000	23.1	9.000	L1	10.4	26.9	50.0
16.144000	22.8	9.000	L1	10.4	27.2	50.0
16.336000	22.3	9.000	L1	10.4	27.7	50.0

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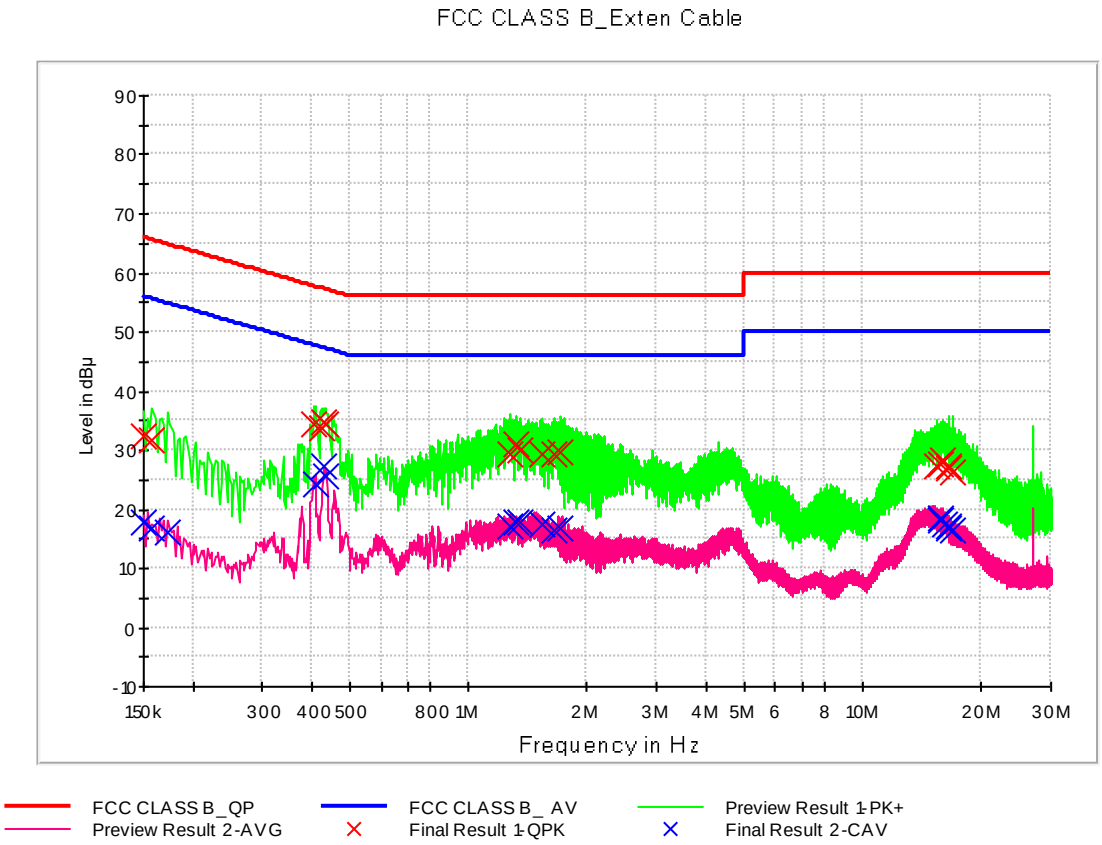
Figure 2: Conducted Emission (150 kHz to 30 MHz), Line (N)



QuasiPeak Final Result, Line (N)

Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	32.4	9.000	N	9.8	33.6	66.0
0.158000	31.6	9.000	N	9.8	33.9	65.6
0.406000	34.4	9.000	N	9.8	23.4	57.7
0.424000	33.7	9.000	N	9.8	23.7	57.4
0.428000	34.8	9.000	N	9.8	22.5	57.3
0.434000	34.5	9.000	N	9.8	22.6	57.2
1.278000	29.5	9.000	N	9.8	26.5	56.0
1.316000	31.0	9.000	N	9.8	25.0	56.0
1.352000	30.1	9.000	N	9.8	25.9	56.0
1.530000	29.3	9.000	N	9.9	26.7	56.0
1.648000	29.2	9.000	N	9.9	26.8	56.0
1.718000	29.8	9.000	N	9.9	26.2	56.0
15.350000	27.4	9.000	N	10.5	32.6	60.0
15.690000	27.7	9.000	N	10.5	32.3	60.0
16.034000	28.3	9.000	N	10.5	31.7	60.0
16.498000	27.3	9.000	N	10.5	32.7	60.0
16.596000	27.0	9.000	N	10.5	33.0	60.0
16.836000	26.4	9.000	N	10.5	33.6	60.0

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CAverage Final Result, Line (N)

Frequency (MHz)	CAverage (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	17.7	9.000	N	9.8	38.3	56.0
0.158000	16.9	9.000	N	9.8	38.6	55.6
0.172000	16.0	9.000	N	9.8	38.9	54.9
0.408000	24.1	9.000	N	9.8	23.6	47.7
0.432000	27.2	9.000	N	9.8	20.0	47.2
0.436000	25.7	9.000	N	9.8	21.4	47.1
1.278000	17.1	9.000	N	9.8	28.9	46.0
1.316000	17.8	9.000	N	9.8	28.2	46.0
1.352000	17.7	9.000	N	9.8	28.3	46.0
1.530000	17.4	9.000	N	9.9	28.6	46.0
1.648000	16.3	9.000	N	9.9	29.7	46.0
1.718000	16.7	9.000	N	9.9	29.3	46.0
15.690000	18.4	9.000	N	10.5	31.6	50.0
15.808000	18.3	9.000	N	10.5	31.7	50.0
16.228000	17.6	9.000	N	10.5	32.4	50.0
16.498000	17.0	9.000	N	10.5	33.0	50.0
16.596000	16.9	9.000	N	10.5	33.1	50.0
16.836000	16.3	9.000	N	10.5	33.7	50.0

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4.2 Radiated Emission Below 1 GHz

4.2.1 Measuring instruments

Type		Manufacturer	Model Name	Serial Number	Calibration Cycle	Calibration Date
☒	EMI test receiver	Rohde & Schwarz	ESU40	100524	1 year	05.17.2019
☒	Trilog antenna	Schwarzbeck	VULB 9168	255	2 year	03.26.2019
☒	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	-
☒	Software	Rohde & Schwarz	EMC32	-	-	-

4.2.2 Operating Condition

The test results of radiated emission provide the following information:

Used Test Standard	FCC CFR 47 PART 15 Subpart B Class B ICES-003 Issue 6 Class B ANSI C63.4-2014
Frequency Range	30 MHz to 1 000 MHz
Detector	Quasi-Peak
Bandwidth	120 kHz (6 dB)
Worst Case of Operating Mode	REAR CAMERA & FM RADIO mode
Kind of Test Site	3 m semi anechoic chamber
Temperature	23.1 °C
Relative Humidity	43.2 %
Test Date	February 10, 2020

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4.2.3 Measuring Data

Frequency (MHz)	Quasi Peak (dBμV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
40.361000	25.4	100.0	V	60.0	19.0	14.6	40.0
46.141200	19.5	100.0	V	47.0	19.5	20.5	40.0
84.017000	19.0	274.9	H	124.0	15.2	21.0	40.0
114.559600	20.6	174.7	V	16.0	16.8	22.9	43.5
157.782800	18.1	100.0	V	106.0	19.8	25.4	43.5
380.276000	20.9	274.8	H	26.0	22.4	25.1	46.0

- 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

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4.3 Radiated Emission Above 1 GHz

4.3.1 Measuring instruments

	Type	Manufacturer	Model Name	Serial Number	Calibration Cycle	Calibration Date
☒	EMI test receiver	Rohde & Schwarz	ESU40	100524	1 year	05.17.2019
☒	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
☐	Low Noise amplifier	TESTEK	TK-PA1840H	170033-L	1 year	03.11.2019
☒	Horn antenna	Schwarzbeck	BBHA 9120D	01836	1 year	07.19.2019
☐	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170786	1 year	12.03.2019
☒	Software	Rohde & Schwarz	EMC32	-	-	-

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4.3.2 Operating Condition

The test results of radiated emission provide the following information:

Used Test Standard	FCC CFR 47 PART 15 Subpart B Class B ICES-003 Issue 6 Class B ANSI C63.4-2014
Detector	Peak mode: Peak (RBW: 1 MHz, VBW: 3 MHz) CISPR-Average mode: Peak (RBW: 1 MHz, VBW: 10 Hz)
Highest Frequency	2 690 MHz
Tested Frequency Range	1 GHz to 18 GHz
Worst Case of Operating Mode	REAR CAMERA & FM RADIO mode
Kind of Test Site	3 m semi anechoic chamber
Temperature	25.1 °C
Relative Humidity	42.6 %
Test Date	February 19, 2020

NOTE. The measurement antenna aimed at the source of emission

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4.3.3 Measuring Data

Frequency (MHz)	Peak (dBµV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
4202.005000	36.6	100.0	V	55.0	-18.7	37.4	74.0
5302.965000	39.2	149.5	H	80.0	-15.4	34.8	74.0
7402.275000	44.7	160.7	V	50.0	-9.5	29.3	74.0
9741.050000	47.8	124.6	V	211.0	-5.1	26.2	74.0
10647.895000	48.4	140.8	V	19.0	-3.1	25.6	74.0
14710.480000	50.0	337.7	V	357.0	1.0	24.0	74.0

Frequency (MHz)	CAverage (dBµV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
4202.005000	23.9	100.0	V	55.0	-18.7	30.1	54.0
5302.965000	26.4	149.5	H	80.0	-15.4	27.6	54.0
7402.275000	31.7	160.7	V	50.0	-9.5	22.3	54.0
9741.050000	34.8	124.6	V	211.0	-5.1	19.2	54.0
10647.895000	35.9	140.8	V	19.0	-3.1	18.1	54.0
14710.480000	36.6	337.7	V	357.0	1.0	17.4	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

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5. CONCLUSION

The data collected shows that the **Product Name: Multi-band GSM/WCDMA/LTE phone with Bluetooth, WLAN, NFC and Model: LM-K410WM** complies with §15.107 and §15.109 of the FCC rules and ICES-003 Issue 6 of the IC rules.

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6. APPENDIX A. TEST SETUP PHOTO

Please refer to Appendix. A and test setup photo file no. as follows;

File No.	Date of Issue	Description
HCT-EM-2002-FI002-P	February 25, 2020	Initial Release

End of report

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