TEST REPORT

EMI Test for FCC Certification of LM-K200TM Model

APPLICANT LG Electronics USA, Inc.

REPORT NO. HCT-EM-2009-FC009-R1

DATE OF ISSUE October 15, 2020

> Tested by Ki-Min Lee

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TEST REPORT

EMI Test for FCC Certification

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October 15, 2020

FCC ID.

ZNFK200TM

Applicant	LG Electronics USA, Inc. 111 Sylvan Avenue, North Building , Englewood Cliffs NJ 07632 United States
Product Name Model Name	Smart Phone LM-K200TM
Travel Adaptor Information	Model name: MCS-V01WH Manufacturer: PHIHONG
Date of Test	August 31, 2020 to September 23, 2020
Test Standard Used	FCC CFR 47 PART 15 Subpart B Class B ANSI C63.4-2014ANSI 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.
	This test results were applied only to the test methods required by the standard

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REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	September 24, 2020 Initial Release	
1	October 15, 2020	Revised the frequency

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

The above Test Report is not related to the accredited test result by (KS Q) ISO/IEC 17025 and 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	ZNFK200TM
Model Name	LM-K200TM
Product Name	Smart Phone
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 1755 MHz (LTE B4) 824 MHz to 849 MHz (LTE B5) 699 MHz to 716 MHz (LTE B12) 777 MHz to 787 MHz (LTE B13) 1 850 MHz to 1 915 MHz (LTE B25) 814 MHz to 849 MHz (LTE B26) 2 496 MHz to 2 690 MHz (LTE B41) 1 710 MHz to 1 780 MHz (LTE B66) 663 MHz to 698 MHz (LTE B71) 2 402 MHz to 2 462 MHz (Bluetooth) 2 412 MHz to 2 462 MHz (WiFi 2.4 GHz)
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) 729 MHz to 746 MHz (LTE B12) 746 MHz to 756 MHz (LTE B13) 1 925 MHz to 1 990 MHz (LTE B25) 859 MHz to 894 MHz (LTE B26) 2 496 MHz to 2 690 MHz (LTE B41) 2 110 MHz to 2 200 MHz (LTE B66) 617 MHz to 652 MHz (LTE B71) 2 402 MHz to 2 460 MHz (Bluetooth) 2 412 MHz to 2 462 MHz (WiFi 2.4 GHz)

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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-K200TM	-	LG
TA	MCS-V01WH	-	PHIHONG
DATA cable	EAD62377921		LEAGTECH
Earphone	EAB64468444	-	CRESYN
Micro SD card	Extreme MicroSDHC UHS-I CLASS 10 (32 GB)	-	SANDISK

1.3 Cable Description

Product Name	Port	Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (m)
FLIT	Micro USB	Υ	N/A	(P) 1.0
EUT	Earphone	N/A	N	(D) 1.2

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
FUT	Micro USB	N	N/A	Υ	Both End
EUT	Earphone	N	N/A	Υ	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		
Radiated Field strength measurement facility 10 m Semi Anechoic chamber #1	KR0032	
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 ac cordance with the manufacturers recommendations for utilizing calibration equipment, which is traceable to recognized national standards. Espectially, all antenna for measurement is calibrated in accordance with the requirements of C63.5:2017

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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)	1.58 dB
3 m Radiated Emissions (30 MHz to 1 GHz)	4.86 dB
3 m Radiated Emissions (1 GHz to 18 GHz)	4.58 dB
3 m Radiated Emissions (18 GHz to 40 GHz)	5.54 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

Fraguer at	Resolution	Resolution Class A		Class B	
Frequency (MHz)	Bandwidth (kHz)	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

		Class A		Class B			
Frequency (MHz)	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	
F			Clas	Class A		Class B	
Frequency (MHz)	7	Antenna Distance (m)		Average (dBµV/m)	Peak (dBµV/m)	Average (dBµV/m)	
Above 1 000	3		80	60	74	54	

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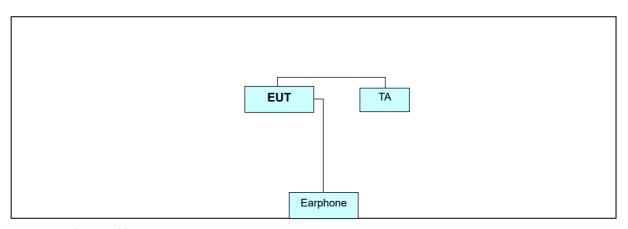


2.2.1 Frequency Range of Radiated Measurements

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



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

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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

	Туре	Manufacturer	Model Name	Serial Number	Calibration Cycle	Calibration Date
\boxtimes	EMI test receiver	Rohde & Schwarz	ESCI	100584	1 year	06.10.2020
	LISN	Rohde & Schwarz	ENV216	102245	1 year	09.04.2020
\boxtimes	Radio communication analyzer	ANRITSU	MT8820C	6201138643	1 year	08.19.2020
\boxtimes	Antenna (for Communication)	Schwarzbeck	USLP9142	VSLP 9142-200	-	-
\boxtimes	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 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	Idle mode (LTE B26+B5 Middle CH)
Kind of Test Site	EMI Shielded Room
Temperature	22.9 ℃
Relative Humidity	46.6 %
Test Date	September 16, 2020

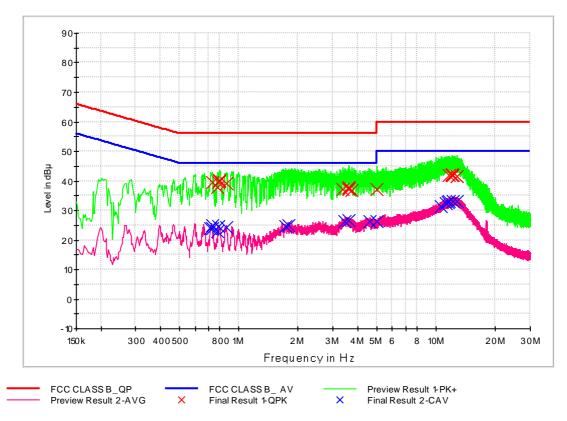
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4.1.3 Measuring Data

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





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Final Result 1

Frequency (MHz)	QuasiPeak	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit
0.732000	(dBuV) 39.5	9.000	L1	9.8	16.5	(dBuV) 56.0
0.784000	37.9	9.000	L1	9.8	18.1	56.0
0.790000	39.6	9.000	L1	9.8	16.4	56.0
0.796000	40.2	9.000	L1	9.8	15.8	56.0
0.802000	39.9	9.000	L1	9.8	16.1	56.0
0.864000	39.2	9.000	L1	9.8	16.8	56.0
3.354000	37.1	9.000	L1	9.9	18.9	56.0
3.592000	37.2	9.000	L1	9.9	18.8	56.0
3.596000	37.5	9.000	L1	9.9	18.5	56.0
3.620000	37.7	9.000	L1	9.9	18.3	56.0
3.740000	36.8	9.000	L1	9.9	19.2	56.0
5.034000	37.0	9.000	L1	10.0	23.0	60.0
11.620000	41.8	9.000	L1	10.3	18.2	60.0
12.002000	42.1	9.000	L1	10.3	17.9	60.0
12.092000	41.9	9.000	L1	10.3	18.1	60.0
12.224000	41.8	9.000	L1	10.3	18.2	60.0
12.788000	41.5	9.000	L1	10.3	18.5	60.0
12.816000	41.5	9.000	L1	10.3	18.5	60.0

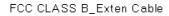
Final Result 2

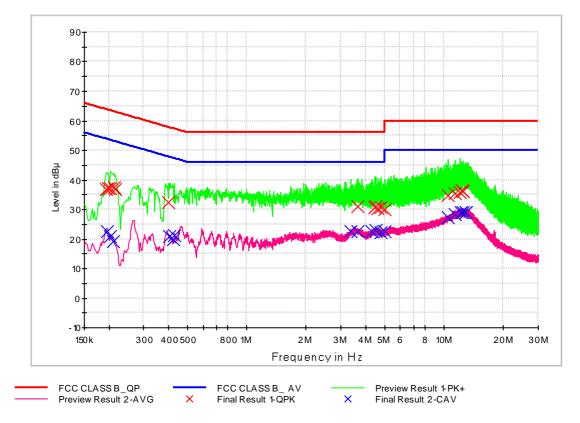
Frequency (MHz)	CAverage	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit
. ,	(dBuV)			` '		(dBuV)
0.720000	23.8	9.000	L1	9.8	22.2	46.0
0.732000	24.8	9.000	L1	9.8	21.2	46.0
0.736000	24.1	9.000	L1	9.8	21.9	46.0
0.784000	22.9	9.000	L1	9.8	23.1	46.0
0.790000	24.5	9.000	L1	9.8	21.5	46.0
0.866000	24.4	9.000	L1	9.8	21.6	46.0
1.734000	24.7	9.000	L1	9.8	21.3	46.0
1.780000	24.9	9.000	L1	9.9	21.1	46.0
3.438000	26.3	9.000	L1	9.9	19.7	46.0
3.596000	26.5	9.000	L1	9.9	19.5	46.0
4.632000	26.3	9.000	L1	10.0	19.7	46.0
5.034000	26.2	9.000	L1	10.0	23.8	50.0
10.576000	31.5	9.000	L1	10.2	18.5	50.0
11.212000	32.3	9.000	L1	10.2	17.7	50.0
11.486000	32.6	9.000	L1	10.2	17.4	50.0
11.620000	33.0	9.000	L1	10.3	17.0	50.0
12.224000	33.2	9.000	L1	10.3	16.8	50.0
12.788000	33.1	9.000	L1	10.3	16.9	50.0

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





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Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.194000	36.8	9.000	N	9.8	27.1	63.9
0.198000	37.2	9.000	N	9.8	26.5	63.7
0.204000	37.0	9.000	N	9.8	26.4	63.4
0.212000	37.3	9.000	N	9.8	25.8	63.1
0.216000	36.7	9.000	N	9.8	26.3	63.0
0.402000	32.2	9.000	N	9.8	25.6	57.8
3.660000	30.9	9.000	N	9.9	25.1	56.0
4.478000	30.6	9.000	N	10.0	25.4	56.0
4.512000	31.2	9.000	N	10.0	24.8	56.0
4.624000	30.3	9.000	N	10.0	25.7	56.0
4.772000	30.6	9.000	N	10.0	25.4	56.0
5.004000	30.2	9.000	N	10.0	29.8	60.0
10.518000	34.6	9.000	N	10.3	25.4	60.0
11.318000	35.4	9.000	N	10.3	24.6	60.0
12.036000	35.8	9.000	N	10.3	24.2	60.0
12.348000	36.3	9.000	N	10.3	23.7	60.0
12.436000	36.0	9.000	N	10.4	24.0	60.0
12.544000	36.2	9.000	N	10.4	23.8	60.0

Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.196000	22.5	9.000	N	9.8	31.3	53.8
0.204000	20.8	9.000	N	9.8	32.6	53.4
0.210000	19.3	9.000	N	9.8	33.9	53.2
0.406000	20.9	9.000	N	9.8	26.8	47.7
0.424000	20.0	9.000	N	9.8	27.4	47.4
0.430000	21.3	9.000	N	9.8	26.0	47.3
3.364000	22.6	9.000	N	9.9	23.4	46.0
3.660000	22.7	9.000	N	9.9	23.3	46.0
4.306000	22.5	9.000	N	10.0	23.5	46.0
4.512000	22.7	9.000	N	10.0	23.3	46.0
4.772000	22.3	9.000	N	10.0	23.7	46.0
5.004000	22.4	9.000	N	10.0	27.6	50.0
10.518000	27.3	9.000	N	10.3	22.7	50.0
11.318000	28.3	9.000	N	10.3	21.7	50.0
12.132000	29.1	9.000	N	10.3	21.0	50.0
12.436000	29.1	9.000	N	10.4	20.9	50.0
12.862000	29.0	9.000	N	10.4	21.0	50.0
12.958000	28.8	9.000	N	10.4	21.2	50.0

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4.2 Radiated Emission Below 1 GHz

4.2.1 Measuring instruments

	Туре	Manufacturer	Model Name	Serial Number	Calibration Cycle	Calibration Date
\boxtimes	EMI test receiver	Rohde & Schwarz	ESU40	100524	1 year	05.12.2020
\boxtimes	Bi-Log antenna	Schwarzbeck	VULB 9168	255	2 year	03.26.2019
\boxtimes	Antenna master	INNCO Systems	MA4640-XP-ET	-	N/A	-
\boxtimes	Antenna master controller	INNCO Systems	CO3000	CO3000/870/ 35990515/L	N/A	-
\boxtimes	Turn table	INNCO Systems	1060	-	N/A	-
\boxtimes	Turn table controller	INNCO Systems	CO2000	CO2000/095/ 7590304/L	N/A	-
\boxtimes	Radio communication analyzer	ANRITSU	MT8820C	6201138643	1 year	08.19.2020
\boxtimes	Antenna (for communication)	Schwarzbeck	USLP9142	VSLP 9142-200	-	-
\boxtimes	Software	Rohde & Schwarz	EMC32	-	-	-

4.2.2 Operating Condition

The test results of radiated emission provide the following information:

Test Date	August 31, 2020 / September 11, 2020
Relative Humidity	47.9 / 49.2 %
Temperature	21.5 / 23.7 °C
Kind of Test Site	3 m semi anechoic chamber
Worst Case of Operating Mode	Idle mode (LTE B26+B5 Middle CH)
Bandwidth	120 kHz (6 dB)
Detector	Quasi-Peak
Frequency Range	30 MHz to 1 000 MHz
Used Test Standard	FCC CFR 47 PART 15 Subpart B Class B ANSI C63.4-2014

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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)
45.812680	25.0	100.0	٧	70.0	19.5	15.0	40.0
68.713800	19.2	325.0	Н	330.0	18.2	20.8	40.0
114.536880	19.9	192.9	V	30.0	16.8	23.6	43.5
168.591200	21.0	100.0	V	145.0	19.2	22.5	43.5
225.173080	21.3	100.0	V	71.0	17.7	24.7	46.0
644.860920	28.9	307.7	Н	356.0	28.0	17.1	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

	Туре	Manufacturer	Model Name	Serial Number	Calibration Cycle	Calibration Date
\boxtimes	EMI test receiver	Rohde & Schwarz	ESU40	100524	1 year	05.12.2020
\boxtimes	Antenna master	INNCO Systems	MA4640-XP-ET	-	N/A	-
\boxtimes	Antenna master controller	INNCO Systems	CO3000	CO3000/870/ 35990515/L	N/A	-
\boxtimes	Turn table	INNCO Systems	1060	-	N/A	-
\boxtimes	Turn table controller	INNCO Systems	CO2000	CO2000/095/ 7590304/L	N/A	-
\boxtimes	Radio communication analyzer	ANRITSU	MT8820C	6201138643	1 year	08.19.2020
\boxtimes	Antenna (for Communication)	Schwarzbeck	USLP9142	VSLP 9142-200	-	-
\boxtimes	Low noise amplifier	TESTEK	TK-PA18H	170034-L	1 year	03.03.2020
	Low noise amplifier	TESTEK	TK-PA1840H	170030-L	1 year	02.13.2020
\boxtimes	Horn antenna	Schwarzbeck	BBHA 9120D	01836	1 year	07.23.2020
	Horn antenna	Schwarzbeck	BBHA 9170	BBHA9170#786	1 year	12.03.2019
\boxtimes	Software	Rohde & Schwarz	EMC32	-	-	-

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 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	Idle mode (LTE B26+B5 Middle CH)
Kind of Test Site	3 m semi anechoic chamber
Temperature	23.1 °C
Relative Humidity	46.6 %
Test Date	September 23, 2020

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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)
2624.290000	32.5	150.0	Н	146.0	-23.6	41.5	74.0
3758.810000	33.6	248.7	Н	63.0	-21.1	40.4	74.0
4982.465000	36.2	100.0	Н	265.0	-17.8	37.8	74.0
7188.815000	39.5	100.0	٧	20.0	-12.7	34.5	74.0
13201.120000	45.0	125.6	٧	38.0	-3.2	29.0	74.0
17977.918000	55.6	218.4	V	4.0	9.3	18.4	74.0
Frequency (MHz)	CAverage (dBµV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
2624.290000	19.7	150.0	Н	146.0	-23.6	34.3	54.0
3758.810000	20.9	248.7	Н	63.0	-21.1	33.1	54.0
4982.465000	23.1	100.0	Н	265.0	-17.8	30.9	54.0
7188.815000	27.0	100.0	V	20.0	-12.7	27.0	54.0
13201.120000	32.3	125.6	V	38.0	-3.2	21.7	54.0
17977.918000	42.7	218.4	٧	4.0	9.3	11.3	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

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5. CONCLUSION

The data collected shows that the **Product Name: Smart Phone / Model Name: LM-K200TM** complies with §15.107 and §15.109 of the FCC 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-2009-FC009-P	September 24, 2020	Initial Release

End of report

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