

EMI CERTIFICATION REPORT

Applicant:

LG Electronics MobileComm U.S.A., Inc.
1000 Sylvan Avenue, Englewood Cliffs NJ 07632

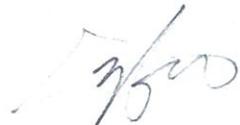
Date of Receipt: June 08, 2015**Date of Issue: June 24, 2015****Test Report No. HCT-E-1506-F014****HCT FRN: 0005866421****FCC ID:****ZNFV930**

Rule Part(s) / Standard(s): FCC CFR 47 PART 15 Subpart B Class B
FCC Classification: JBP (Part 15 B – Class B Computing Device Peripheral)
EUT Type: Potable Tablet
Model Name: LG-V930
Additional Model Name: LGV930, V930,
Test Port: USB / Earphone Port
Date of Test: June 10, 2015 - June 11, 2015

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 C63.4-2003. (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

Tested By

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Test Engineer
EMC Team
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Reviewed By

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Technical Manager
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Certification Division

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DOCUMENT HISTORY

The revision history for this document is shown in table.

Version	Date	Description
HCT-E-1506-F014	June 24, 2015	Initial Release



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ATTACHMENT: TEST SETUP PHOTOGRAPHS



1. GENERAL INFORMATION

1.1 Description of EUT

Equipment Under Test is manufactured by **LG Electronics MobileComm U.S.A., Inc.**
Its basic purpose is used for communications.

Model	LG-V930
FCC ID	ZNFV930
Additional Model	LGV930, V930,
EUT Type	Potable Tablet
TX Frequency	826.40 MHz to 846.60 MHz (WCDMA 850) 1 852.4 MHz to 1 907.6 MHz (WCDMA 1 900) 1 850.7 MHz to 1 909.3 MHz (LTE B2) 1 710 MHz to 1 755 MHz (LTE B4) 824 MHz to 849 MHz (LTE B5) 2 496 MHz to 2570 MHz (LTE B7) 704 MHz to 716 MHz (LTE B17)
RX Frequency	871.40 MHz to 891.60 MHz (WCDMA 850) 1 932.4 MHz to 1 987.6 MHz (WCDMA 1 900) 1 930.00 MHz to 1 990.00 MHz (LTE B2) 2 110 MHz to 2 155 MHz (LTE B4) 869 MHz to 894 MHz (LTE B5) 2 516 MHz to 2690 MHz (LTE B7) 734 MHz to 746 MHz (LTE B17)

1.2 Related Submittal(s) / Grant(s)

Original submittal only.



1.3 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 C63.4-2003.

Measurement Facilities	Reg. No.
Radiated Field strength measurement facility (3 m)	90661 (February 28, 2014)
Radiated Field strength measurement facility (10 m)	90661 (February 28, 2014)



1.4 Tested System Details

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

Device Type	Model Name	Manufacturer	FCC ID / DoC	Connected To
EUT	LG-V930	LG	ZNFV930	Notebook PC, Earphone
USB cable	EAD62567001	Ningbo broad	-	EUT, Notebook PC
USB cable	EAD62589001	CRESYN	-	EUT, Notebook PC
Earphone	EAB62209301	I-SOUND	-	EUT
Notebook PC	ProBook6560b	HP	DoC	EUT, Notebook PC adaptor
Notebook PC adaptor	PPP009D	DELTA Electronics (Jiangsu) LTD	-	Notebook PC
Gateway	MV440	Axesstel	PH7MV440	Notebook PC, Adaptor
Serial mouse	Serial 2 button mouse	Radio shack	FSUGMZE3	Notebook PC
Adaptor	DA-60M12	Yang Ming Industrial	-	Gateway
RJ45 cable	-	-	-	Notebook PC, Gateway
Micro SD card	16 GB	Samsung	-	EUT



1.5 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)1.2
	Earphone	N/A	Y	(D)1.2
Notebook PC	RJ 45	N/A	N	(D)1.5
	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.

1.6 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

※NOTE: This tablet device does not contain the minimum number of ports required for personal computer testing per ANSI C63.4, but the EUT is attached to a computer through its only available port, which represents worst case emissions. All other aspects of ANSI C63.4 testing requirements were maintained.



2. DESCRIPTION OF TEST

2.1 Measurement of Conducted Emission

The test procedure was in accordance with ANSI C63.4-2003, Clause 7

- 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 μ V)	Average (dB μ V)
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.*



2.2 Measurement of Radiated Emission

The test procedure was in accordance with ANSI C63.4-2003, Clause 8

- 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. The antenna height scans apply for both horizontal and vertical polarizations, except that for vertical polarization, the minimum height of the center of the antenna shall be increased so that the lowest point of the bottom of the lowest antenna element clears the site reference ground plane by at least 25 cm. (below 1 GHz)

[Radiated Emission Limits]

Frequency (MHz)	Antenna Distance (m)	Field Strength ($\mu\text{V/m}$)	Quasi-Peak (dB $\mu\text{V/m}$)
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 (dB $\mu\text{V/m}$)	Average (dB $\mu\text{V/m}$)
Above 1 000	3	74	54

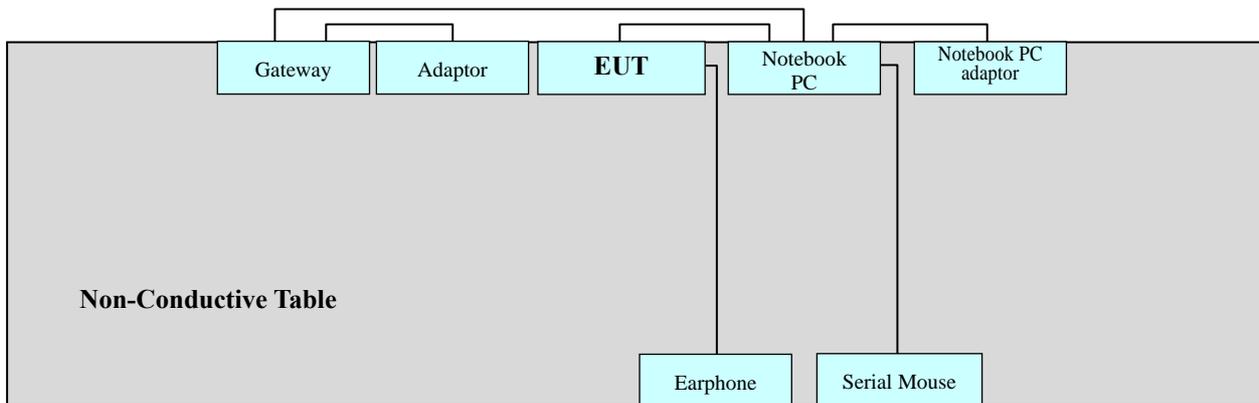


2.2.1 Frequency Range of Radiated Measurements

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

2.3 Configuration of Tested System



Power Line: 120 VAC, 60 Hz



3. PRELIMINARY TEST

3.1 Conducted Emission Test

It was tested Data Communication mode, after connecting all peripheral devices.

Operation Mode: Data Communication mode

3.2 Radiated Emission Test

It was tested Data Communication mode, after connecting all peripheral devices.

Operation Mode: Data Communication mode



4. CONDUCTED AND RADIATED EMISSION TEST SUMMARY

4.1 Conducted Emission Test

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

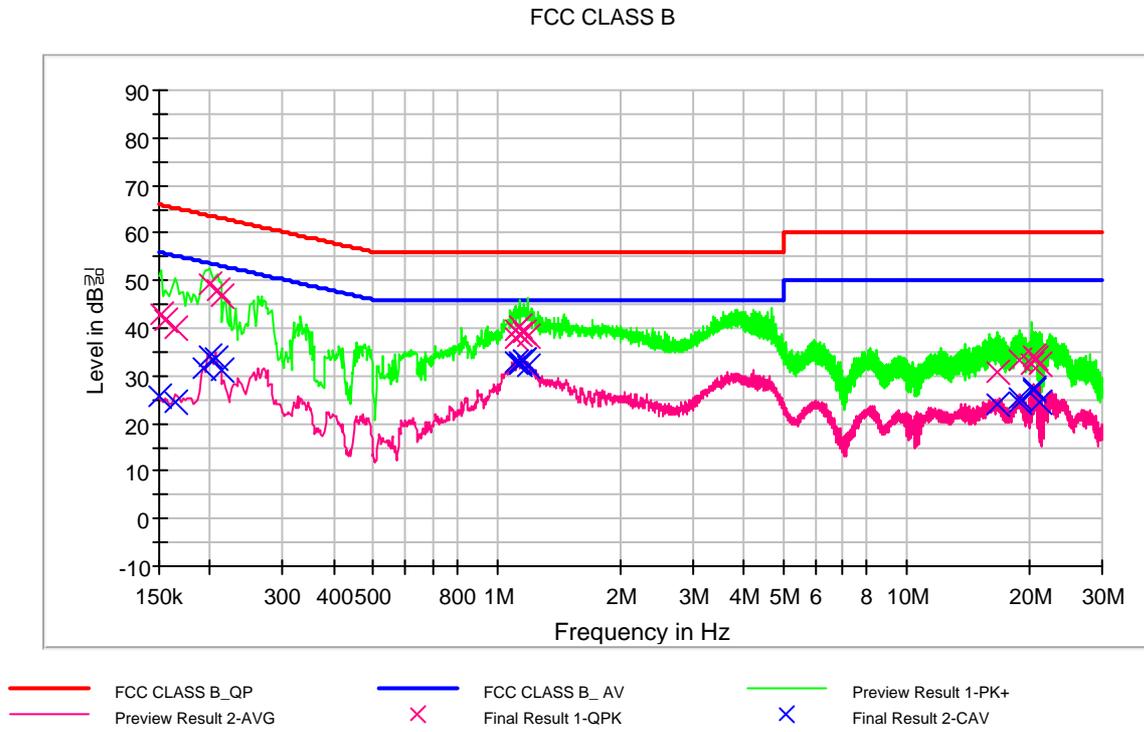
Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 kHz (6 dB)
Operation Mode	Data Communication mode
USB Cable Type	CRESYN (EAD62589001)
Kind of Test Site	Shielded Room
Temperature	25.2 °C
Relative Humidity	47.4 %
Test Date	June 11, 2015

- 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: Spectral Diagrams, 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)
0.152000	42.9	9.000	L1	9.6	23.0	65.9
0.156000	41.8	9.000	L1	9.6	23.9	65.7
0.164000	40.1	9.000	L1	9.6	25.2	65.3
0.200000	49.1	9.000	L1	9.7	14.5	63.6
0.208000	48.0	9.000	L1	9.7	15.3	63.3
0.212000	46.9	9.000	L1	9.7	16.2	63.1
1.108000	38.0	9.000	L1	9.7	18.0	56.0
1.114000	39.4	9.000	L1	9.7	16.6	56.0
1.132000	38.9	9.000	L1	9.7	17.1	56.0
1.140000	40.2	9.000	L1	9.7	15.8	56.0
1.160000	39.2	9.000	L1	9.7	16.8	56.0
1.188000	38.4	9.000	L1	9.7	17.6	56.0
16.722000	30.8	9.000	L1	10.2	29.2	60.0
18.942000	33.1	9.000	L1	10.3	26.9	60.0
20.084000	32.6	9.000	L1	10.3	27.4	60.0
20.358000	34.0	9.000	L1	10.3	26.0	60.0
20.640000	33.7	9.000	L1	10.3	26.3	60.0
21.014000	32.5	9.000	L1	10.3	27.5	60.0

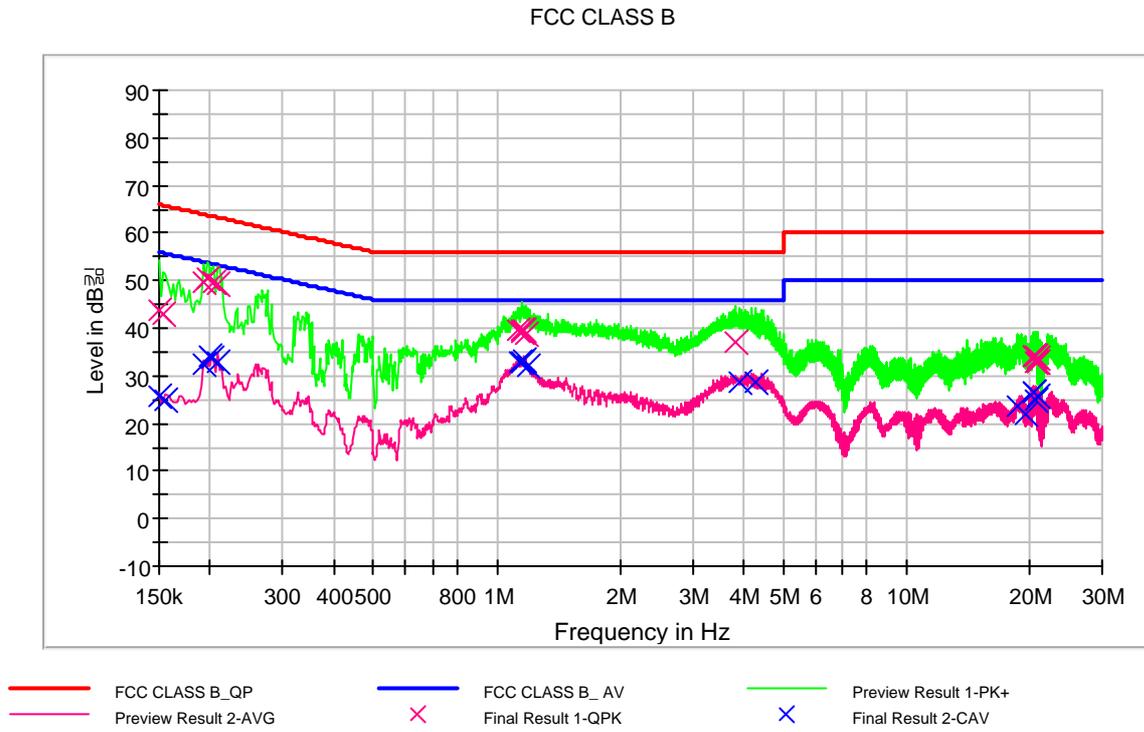


CAverage Final Result, Line (L1)

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	25.7	9.000	L1	9.6	30.3	56.0
0.164000	24.5	9.000	L1	9.6	30.8	55.3
0.192000	31.6	9.000	L1	9.6	22.3	53.9
0.198000	34.0	9.000	L1	9.6	19.7	53.7
0.206000	33.8	9.000	L1	9.7	19.6	53.4
0.212000	31.3	9.000	L1	9.7	21.8	53.1
1.114000	32.8	9.000	L1	9.7	13.2	46.0
1.132000	32.5	9.000	L1	9.7	13.5	46.0
1.140000	33.0	9.000	L1	9.7	13.0	46.0
1.160000	33.3	9.000	L1	9.7	12.7	46.0
1.168000	33.2	9.000	L1	9.7	12.8	46.0
1.188000	32.2	9.000	L1	9.7	13.8	46.0
16.722000	23.9	9.000	L1	10.2	26.1	50.0
18.800000	24.4	9.000	L1	10.3	25.6	50.0
18.878000	25.2	9.000	L1	10.3	24.8	50.0
20.358000	26.8	9.000	L1	10.3	23.2	50.0
20.434000	27.2	9.000	L1	10.3	22.8	50.0
21.014000	24.4	9.000	L1	10.3	25.6	50.0



Figure 2: Spectral Diagrams, 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	44.0	9.000	N	9.6	22.0	66.0
0.154000	42.9	9.000	N	9.6	23.0	65.8
0.192000	49.5	9.000	N	9.6	14.4	63.9
0.196000	50.4	9.000	N	9.6	13.4	63.8
0.204000	49.7	9.000	N	9.6	13.7	63.4
0.208000	49.3	9.000	N	9.6	14.0	63.3
1.130000	39.6	9.000	N	9.7	16.4	56.0
1.148000	39.4	9.000	N	9.7	16.6	56.0
1.154000	39.2	9.000	N	9.7	16.8	56.0
1.158000	39.7	9.000	N	9.7	16.3	56.0
1.174000	38.9	9.000	N	9.7	17.1	56.0
3.826000	37.2	9.000	N	9.8	18.8	56.0
20.430000	34.0	9.000	N	10.3	26.0	60.0
20.500000	34.1	9.000	N	10.3	25.9	60.0
20.582000	34.2	9.000	N	10.3	25.8	60.0
20.640000	32.8	9.000	N	10.3	27.2	60.0
20.782000	32.9	9.000	N	10.3	27.1	60.0
20.856000	33.8	9.000	N	10.3	26.2	60.0



CAverage Final Result, Line (N)

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	25.8	9.000	N	9.6	30.2	56.0
0.156000	24.7	9.000	N	9.6	31.0	55.7
0.192000	32.3	9.000	N	9.6	21.6	53.9
0.198000	34.1	9.000	N	9.6	19.6	53.7
0.202000	33.8	9.000	N	9.6	19.7	53.5
0.208000	33.1	9.000	N	9.6	20.2	53.3
1.132000	32.9	9.000	N	9.7	13.1	46.0
1.148000	33.1	9.000	N	9.7	12.9	46.0
1.158000	33.1	9.000	N	9.7	12.9	46.0
1.196000	32.0	9.000	N	9.7	14.0	46.0
3.928000	28.8	9.000	N	9.8	17.2	46.0
4.262000	28.7	9.000	N	9.8	17.3	46.0
18.660000	23.6	9.000	N	10.3	26.4	50.0
19.514000	21.7	9.000	N	10.3	28.3	50.0
20.358000	26.4	9.000	N	10.3	23.6	50.0
20.500000	26.4	9.000	N	10.3	23.6	50.0
20.640000	24.9	9.000	N	10.3	25.1	50.0
20.998000	25.8	9.000	N	10.3	24.2	50.0



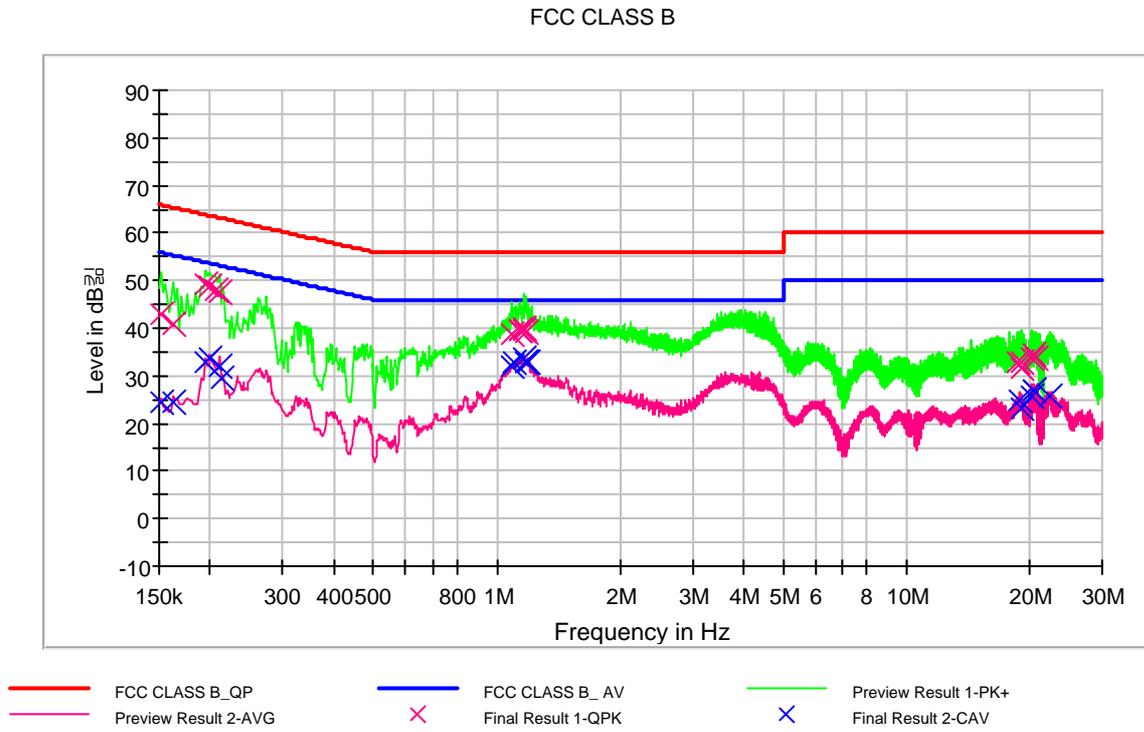
Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 kHz (6 dB)
Operation Mode	Data Communication mode
USB Cable Type	Ningbo broad (EAD62567001)
Kind of Test Site	Shielded Room
Temperature	25.2 °C
Relative Humidity	47.4 %
Test Date	June 11, 2015

- 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 3: Spectral Diagrams, 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)
0.152000	42.9	9.000	L1	9.6	23.0	65.9
0.162000	41.0	9.000	L1	9.6	24.4	65.4
0.194000	49.4	9.000	L1	9.6	14.5	63.9
0.200000	48.9	9.000	L1	9.7	14.7	63.6
0.206000	48.0	9.000	L1	9.7	15.4	63.4
0.210000	47.4	9.000	L1	9.7	15.8	63.2
1.090000	38.6	9.000	L1	9.7	17.4	56.0
1.132000	39.7	9.000	L1	9.7	16.3	56.0
1.140000	39.5	9.000	L1	9.7	16.5	56.0
1.162000	39.8	9.000	L1	9.7	16.2	56.0
1.168000	39.8	9.000	L1	9.7	16.2	56.0
1.184000	39.0	9.000	L1	9.7	17.0	56.0
18.732000	32.9	9.000	L1	10.3	27.1	60.0
19.086000	33.1	9.000	L1	10.3	26.9	60.0
19.144000	31.4	9.000	L1	10.3	28.6	60.0
20.212000	33.8	9.000	L1	10.3	26.2	60.0
20.424000	34.4	9.000	L1	10.3	25.6	60.0
20.708000	33.6	9.000	L1	10.3	26.4	60.0

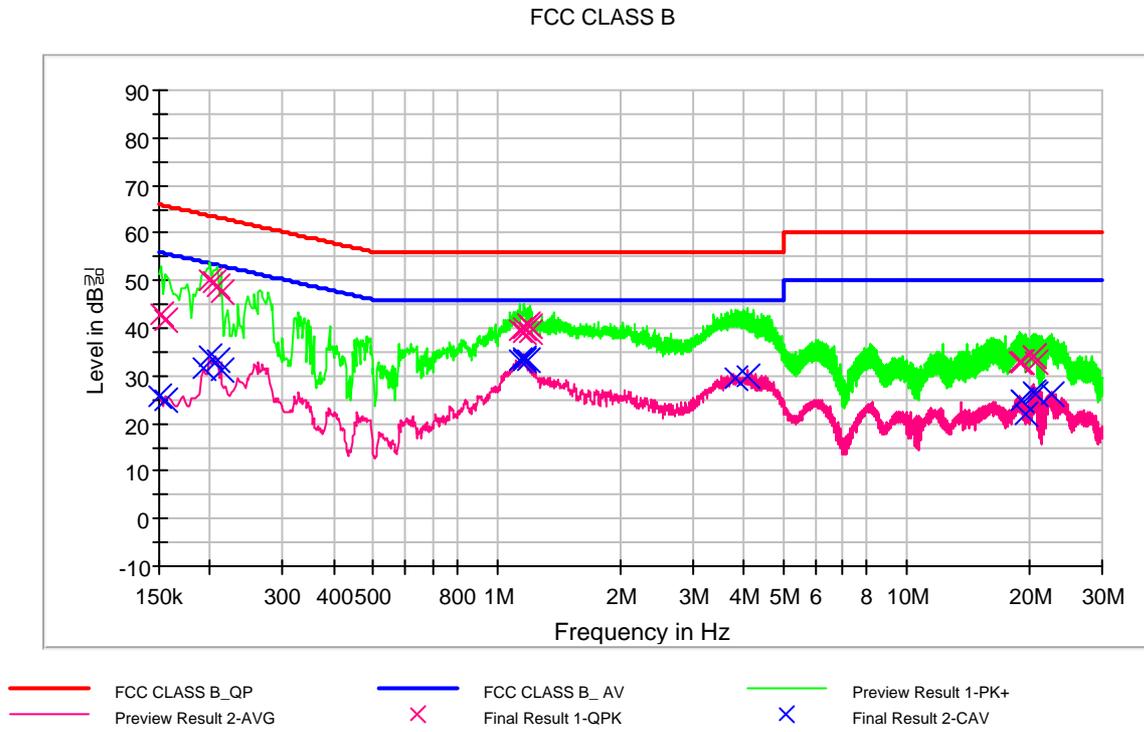


CAverage Final Result, Line (L1)

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	24.4	9.000	L1	9.6	31.5	55.9
0.162000	24.6	9.000	L1	9.6	30.8	55.4
0.194000	32.7	9.000	L1	9.6	21.2	53.9
0.200000	33.7	9.000	L1	9.7	19.9	53.6
0.210000	32.0	9.000	L1	9.7	21.2	53.2
0.214000	29.7	9.000	L1	9.7	23.3	53.0
1.090000	32.1	9.000	L1	9.7	13.9	46.0
1.098000	32.7	9.000	L1	9.7	13.3	46.0
1.162000	33.6	9.000	L1	9.7	12.4	46.0
1.178000	33.0	9.000	L1	9.7	13.0	46.0
1.182000	32.8	9.000	L1	9.7	13.2	46.0
1.194000	32.6	9.000	L1	9.7	13.4	46.0
18.806000	24.8	9.000	L1	10.3	25.2	50.0
19.144000	23.3	9.000	L1	10.3	26.7	50.0
20.212000	25.6	9.000	L1	10.3	24.4	50.0
20.424000	27.0	9.000	L1	10.3	23.0	50.0
20.498000	27.0	9.000	L1	10.3	23.0	50.0
22.404000	25.6	9.000	L1	10.4	24.4	50.0



Figure 4: Spectral Diagrams, 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)
0.152000	42.9	9.000	N	9.6	23.0	65.9
0.156000	41.9	9.000	N	9.6	23.8	65.7
0.200000	49.9	9.000	N	9.6	13.7	63.6
0.204000	49.5	9.000	N	9.6	13.9	63.4
0.208000	48.9	9.000	N	9.6	14.4	63.3
0.212000	47.8	9.000	N	9.6	15.3	63.1
1.138000	39.7	9.000	N	9.7	16.3	56.0
1.164000	40.2	9.000	N	9.7	15.8	56.0
1.170000	39.4	9.000	N	9.7	16.6	56.0
1.188000	41.0	9.000	N	9.7	15.0	56.0
1.200000	40.4	9.000	N	9.7	15.6	56.0
1.210000	39.1	9.000	N	9.7	16.9	56.0
18.874000	33.0	9.000	N	10.3	27.0	60.0
19.022000	32.7	9.000	N	10.3	27.3	60.0
19.086000	32.8	9.000	N	10.3	27.2	60.0
20.430000	34.2	9.000	N	10.3	25.8	60.0
20.500000	34.2	9.000	N	10.3	25.8	60.0
20.724000	33.0	9.000	N	10.3	27.0	60.0



CAverage Final Result, Line (N)

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	25.9	9.000	N	9.6	30.1	56.0
0.156000	24.7	9.000	N	9.6	31.0	55.7
0.192000	31.6	9.000	N	9.6	22.3	53.9
0.198000	34.0	9.000	N	9.6	19.7	53.7
0.208000	33.4	9.000	N	9.6	19.9	53.3
0.212000	31.4	9.000	N	9.6	21.7	53.1
1.138000	33.3	9.000	N	9.7	12.7	46.0
1.162000	33.8	9.000	N	9.7	12.2	46.0
1.170000	33.4	9.000	N	9.7	12.6	46.0
1.186000	33.3	9.000	N	9.7	12.7	46.0
3.818000	29.6	9.000	N	9.8	16.4	46.0
4.100000	29.9	9.000	N	9.8	16.1	46.0
19.022000	25.0	9.000	N	10.3	25.0	50.0
19.086000	24.9	9.000	N	10.3	25.1	50.0
19.538000	21.9	9.000	N	10.3	28.1	50.0
20.500000	26.7	9.000	N	10.3	23.3	50.0
20.724000	26.0	9.000	N	10.3	24.0	50.0
22.686000	26.0	9.000	N	10.4	24.0	50.0



4.2 Radiated Emission Test

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)
Operation Mode	Data Communication mode
USB Cable Type	CRESYN (EAD62589001)
Kind of Test Site	3 m semi anechoic chamber
Temperature	23.8 °C
Relative Humidity	47.4 %
Test Date	June 10, 2015

Frequency (MHz)	Quasi Peak (dB μ V/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dB μ V/m)
33.807776	30.2	100.0	V	6.0	14.9	9.8	40.0
51.142766	23.1	100.0	V	314.0	15.9	16.9	40.0
61.462204	22.2	100.0	V	18.0	15.3	17.8	40.0
159.296593	27.9	240.0	H	93.0	17.3	15.6	43.5
266.554309	36.3	134.0	H	286.0	16.9	9.7	46.0
478.158076	35.3	230.0	H	334.0	22.4	10.7	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



Rule Part / Standard	FCC PART 15 Subpart B Class B
Detector	Quasi-Peak
Bandwidth	120 kHz (6 dB)
Operation Mode	Data Communication mode
USB Cable Type	Ningbo broad (EAD62567001)
Kind of Test Site	3 m semi anechoic chamber
Temperature	23.8 °C
Relative Humidity	47.4 %
Test Date	June 10, 2015

Frequency (MHz)	Quasi Peak (dBuV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
33.767776	28.5	100.0	V	293.0	14.9	11.5	40.0
71.501643	24.9	165.0	H	306.0	13.8	15.1	40.0
133.306052	30.8	100.0	V	98.0	16.4	12.7	43.5
240.019880	26.0	134.0	H	85.0	15.8	20.0	46.0
265.570421	37.6	125.0	H	280.0	16.8	8.4	46.0



-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 Operating Frequency	2.26 GHz
Testing Frequency Range	1 GHz to 11.3 GHz
Operation Mode	Data Communication mode
USB Cable Type	CRESYN (EAD62589001)
Kind of Test Site	3 m semi anechoic chamber
Temperature	23.8 °C
Relative Humidity	47.4 %
Test Date	June 10, 2015

Frequency (MHz)	Peak (dBuV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1332.715431	50.7	100.0	V	62.0	-9.3	23.3	74.0
1997.945892	53.5	100.0	V	54.0	-7.8	20.5	74.0
2410.571142	42.6	240.0	V	291.0	-5.5	31.4	74.0

Frequency (MHz)	CAverage (dBuV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
1332.715431	27.0	100.0	V	62.0	-9.3	27.0	54.0
1997.945892	30.2	100.0	V	54.0	-7.8	23.8	54.0
2410.571142	30.0	240.0	V	291.0	-5.5	24.0	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



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 Operating Frequency	2.26 GHz
Testing Frequency Range	1 GHz to 11.3 GHz
Operation Mode	Data Communication mode
USB Cable Type	Ningbo broad (EAD62567001)
Kind of Test Site	3 m semi anechoic chamber
Temperature	23.8 °C
Relative Humidity	47.4 %
Test Date	June 10, 2015

Frequency (MHz)	Peak (dBuV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
1333.316634	52.0	100.0	V	54.0	-9.3	22.0	74.0
2077.304610	52.4	100.0	V	53.0	-7.4	21.6	74.0
2662.675350	49.8	100.0	V	56.0	-4.8	24.2	74.0

Frequency (MHz)	CAverage (dBuV/m)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBuV/m)
1333.316634	26.6	100.0	V	54.0	-9.3	27.4	54.0
2077.304610	29.1	100.0	V	53.0	-7.4	24.9	54.0
2662.675350	31.2	100.0	V	56.0	-4.8	22.8	54.0



5. 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>					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESCI	100584	1 year	01.13.2015
<input checked="" type="checkbox"/> LISN	Rohde & Schwarz	ESH3-Z5	100282	1 year	06.11.2015
<input checked="" type="checkbox"/> LISN	Rohde & Schwarz	ENV216	100073	1 year	01.13.2015
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32	-	-	-
<u>Radiated Emission</u>					
-For measurement below 1 GHz					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESI40	831564103	1 year	04.01.2015
<input checked="" type="checkbox"/> Trilog Antenna	Schwarzbeck	VULB9160	3301	2 year	11.17.2014
<input checked="" type="checkbox"/> Antenna master	HD GmbH	MA240	240/520	N/A	-
<input checked="" type="checkbox"/> Antenna master controller	HD GmbH	HD 100	100/637	N/A	-
<input checked="" type="checkbox"/> Turn Table	EMCO	1060-2M	-	N/A	-
<input checked="" type="checkbox"/> Turn Table controller	EMCO	2090	9702-1224	N/A	-
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESU 26	100241	1 year	06.05.2015
<input type="checkbox"/> Antenna master	INNCO Systems	MA4000-EP	MA4000/283	N/A	-
<input type="checkbox"/> Turn Table	INNCO Systems	DT3000-3T	DT3000/69	N/A	-
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32	-	-	-
-For measurement above 1 GHz					
<input checked="" type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESI40	831564103	1 year	04.01.2015
<input checked="" type="checkbox"/> Antenna master	HD GmbH	MA240	240/520	N/A	-
<input checked="" type="checkbox"/> Antenna master controller	HD GmbH	HD 100	100/637	N/A	-
<input checked="" type="checkbox"/> Turn Table	EMCO	1060-2M	-	N/A	-
<input checked="" type="checkbox"/> Turn Table controller	EMCO	2090	9702-1224	N/A	-
<input type="checkbox"/> Power Amplifier	CERNEX	CBLU1183540	21691	1 year	07.11.2014
<input checked="" type="checkbox"/> Power Amplifier	CERNEX	CBLU5183530	24348	1 year	06.15.2015
<input checked="" type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9120D	296	1 year	10.07.2014
<input type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9120D	1151	2 year	07.05.2013
<input type="checkbox"/> EMI Test Receiver	Rohde & Schwarz	ESU 26	100241	1 year	06.05.2015
<input type="checkbox"/> Turn Table	INNCO Systems	DT3000-3T	DT3000/69	N/A	-
<input type="checkbox"/> Antenna master	INNCO Systems	MA4000-EP	MA4000/283	N/A	-
<input type="checkbox"/> Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170124	2 year	10.30. 2013
<input type="checkbox"/> Power Amplifier	CERNEX	CBL18265035	22966	1 year	07.23. 2014
<input checked="" type="checkbox"/> Software	Rohde & Schwarz	EMC32	-	-	-



6. CONCLUSION

The data collected shows that the **EUT Type: Potable Tablet, FCC ID: ZNFV930, Model: LG-V930** complies with §15.107 and §15.109 of the FCC rules.