RF TEST REPORT

Test item	:	Wireless Charger
Model No.	:	WCD-100
Order No.	:	DEMC1405-01651
Date of receipt	:	2014-05-08
Test duration	:	2014-05-10 ~ 2014-05-23
Date of issue	:	2014-05-23
Use of report	:	FCC Original Grant

Applicant : LG Electronics USA.
1000 Sylvan Avenue Englewood Ciliffs, New Jersey, United States

Test laboratory : Digital EMC Co., Ltd.
42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935

Test specification	:	FCC Part 15 Subpart C
Test environment	:	See appended test report
Test result	:	☒ Pass ☐ Fail

Tested by:

Engineer
JaeJin Lee

Reviewed by:

General Manager
Geunki Son

Test Report Version

Test Report No.	Date	Description
DRTFCC1405-0653	May. 23, 2014	Initial issue

CONTENTS

1. Equipment information

1.1 Equipment description

FCC Equipment Class	Part 15 Low Power Transmitter Below 1705 kHz (DCD)
Equipment type	Wireless Charger
Equipment model name	WCD-100
Equipment add model name	N/A
Equipment serial no.	Identical prototype
Frequency band	110 ~ 205 kHz
Output power	Max : 5 W
Power	AC 120 V 60 Hz
Antenna type	Coil Antenna(single coil)

1.2 Support equipments

Equipment	Model No.	Serial No.	Manufacturer	Note
Wireless Charging Cover	N/A	N/A	LG	
Mobile Phone	LG-VS980	N/A	LG	FCC ID : ZNFVS980
Travel Adapter	MCS-04KT	TA370706113	Tan Pao Electronics Co., Ltd.	

Note: The above equipments were supported by manufacturer.

2. Information about test items

2.1 Test mode

This device has been tested with the below test modes and charging current conditions:

Charging Current	Support Equipment
300mA	Wireless Charging Cover
600mA	
1000mA(Max)	
@ < 1% battery status	Mobile Phone(M/N: LG-VS980)
@ 50% battery status	

2.2 Tested environment

Temperature	:	20 ~ 23 ℃
Relative humidity content	:	35 ~ 45 % R.H.
Details of power supply	:	AC 120 V 60 Hz

2.3 EMI Suppression Device(s)/Modifications

EMI suppression device(s) added and/or modifications made during testing
→ None

3. FACILITIES AND ACCREDITATIONS

3.1 FACILITIES

The semi anechoic chamber and conducted measurement facility used to collect the radiated and conducted test data are located at the 38, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935. The site is constructed in conformance with the requirements.

- Semi anechoic chamber registration Number : 678747

3.2 EQUIPMENT

Radiated emissions are measured with one or more of the following types of antennas: loop, tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide horn. Spectrum analyzers with pre-selectors and peak, quasi-peak detectors are used to perform radiated measurements.
Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.
All receiving equipment conforms to CISPR Publication 16-1, “Radio Interference Measuring Apparatus and Measurement Methods.”

4. Test Report

4.1 Summary of tests

FCC Part Section(s)	RSS Section(s)	Parameter	Limit	Test Condition	Status Note 1
Test Items					
2.1049	N/A	20 dB Bandwidth	N/A	Radiated	**C**
15.209	RSS-Gen [7.2.5]	Radiated Emission	FCC 15.209 limits		**C**
15.207	RSS-Gen [7.2.4]	AC Conducted Emissions	FCC 15.207 limits	AC Line Conducted	**C**
Note 1: **C**=Comply **NC**=Not Comply **NT**=Not Tested **NA**=Not Applicable					

The sample was tested according to the following specification:
ANSI C-63.4 2009

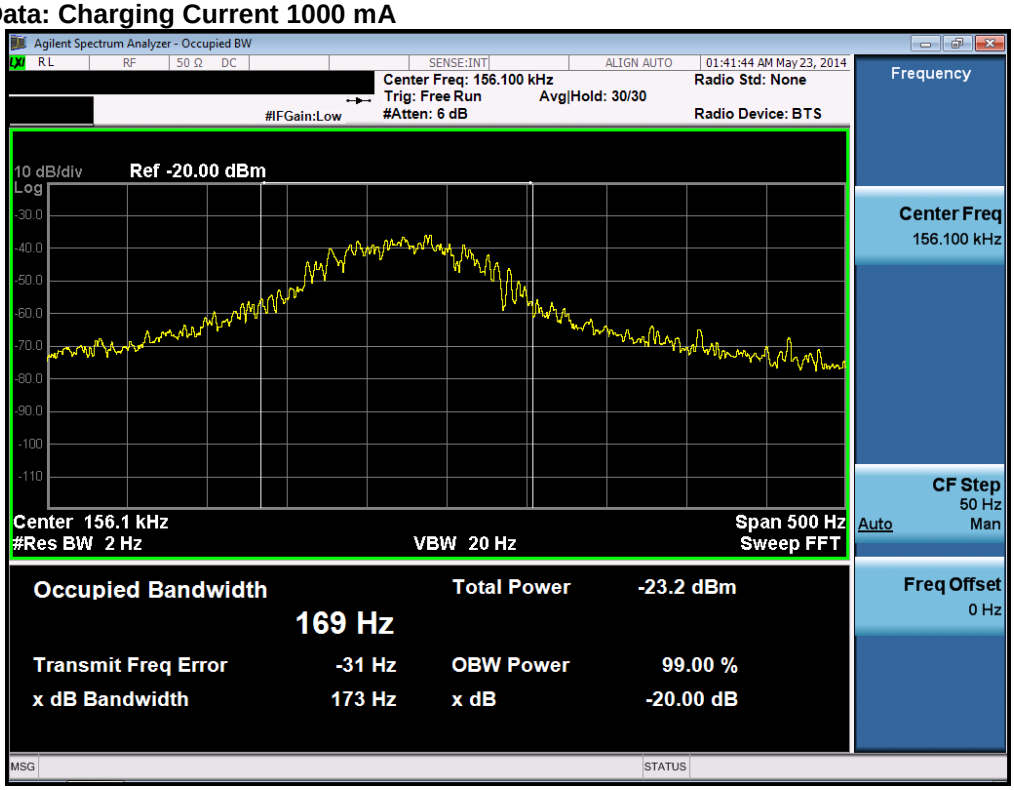
4.2 Transmitter requirements

4.2.1 20dB Bandwidth

- Procedure:

The 20 dB bandwidth is measured with a spectrum analyzer connected via a receiving antenna placed near the EUT while the EUT is operating.

- Measurement Data: Charging Current 1000 mA



4.2.2 Radiated Emissions

- Limit: FCC Part 15.209(a) & RSS-GEN, section 7.2.5

Frequency [MHz]	Field Strength [uV/m]	Measurement Distance [Meters]
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88MHz, 174-216MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

- Procedure: ANSI C63.4 2009

1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter anechoic chamber test site. The table was rotated 360 degrees to determine the position of the highest radiation.
2. During performing radiated emission below 1 ㎓, the EUT was set 3 meters away from the interference receiving antenna, which was mounted on the top of a variable-height antenna tower. During performing radiated emission above 1 ㎓, the EUT was set 3 meter away from the interference-receiving antenna.
3. The antenna is a broadband antenna, and its height is varied from one meter to four meters 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.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10 ㏈ lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 ㏈ margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

- Measurement Data: Comply (refer to the next page)

- Measurement Data:

Measurement Distance : **3 Meters**

Charging Current	Note.1	Freq. [MHz]	Det. Mode	ANT Pol.	Reading [dBuV]	T.F [dB/m]	D.C.F.	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
300mA	F	0.155	PK	N/A	65.70	11.50	80	-2.80	23.80	26.60
	S	0.785	PK	N/A	35.20	10.90	40	6.10	29.71	23.61
	S	40.650	QP	V	38.40	-8.60	0	29.80	40.00	10.20
	S	66.050	QP	V	39.40	-15.40	0	24.00	40.00	16.00
	S	178.200	QP	V	37.80	-11.30	0	26.50	43.50	17.00
	-	-	-	-	-	-	-	-	-	-
600mA	F	0.155	PK	N/A	68.10	11.50	80	-0.40	23.80	24.20
	S	0.776	PK	N/A	35.50	10.90	40	6.40	29.81	23.41
	S	42.380	QP	V	40.00	-8.20	0	31.80	40.00	8.20
	S	65.760	QP	V	39.90	-15.50	0	24.40	40.00	15.60
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
1000mA	F	0.155	PK	N/A	67.90	11.50	80	-0.60	23.80	24.40
	S	0.781	PK	N/A	35.70	10.90	40	6.60	29.75	23.15
	S	41.870	QP	V	39.40	-8.40	0	31.00	40.00	9.00
	S	65.280	QP	V	40.20	-15.50	0	24.70	40.00	15.30
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
@ < 1% battery status	F	0.155	PK	N/A	59.10	11.50	80	-9.40	23.80	33.20
	S	0.771	PK	N/A	32.10	10.90	40	3.00	29.86	26.86
	S	41.160	QP	V	38.20	-8.50	0	29.70	40.00	10.30
	S	46.100	QP	H	33.10	-8.80	0	24.30	40.00	15.70
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-
@ 50% battery status	F	0.155	PK	N/A	60.30	11.50	80	-8.20	23.80	32.00
	S	0.766	PK	N/A	34.40	11.00	40	5.40	29.92	24.52
	S	40.660	QP	V	38.10	-8.60	0	29.50	40.00	10.50
	S	64.980	QP	V	40.20	-15.50	0	24.70	40.00	15.30
	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-

Note 1. The worst case data were reported.
And no other spurious and harmonic emissions were reported greater than listed emissions above table.

Note 2. "F" = Fundamental **/** "S" = Spurious **/** "*" = Noise Floor

Note 3. All measurements were recorded using a spectrum analyzer employing a peak detector for blew 30MHz and a Quasi-peak detector for above 30MHz.

Note 4. Distance Correction Factor(D.C.F.)
For 300m: 40*log(300/3) = 80 dB & For 30m: 40*log(30/3) = 40 dB

Note 5. Sample calculation
T.F = AF + CL – AG **/** Field Strength = Reading + T.F - D.C.F.
Margin = Limit – Field Strength
Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain
D.C.F = Distance Correction Factor

4.2.3 AC Line Conducted Emissions

- Minimum Standard: FCC Part 15.207 & RSS-GEN Issue 3, section 7.2.4

Frequency Range (MHz)	Conducted Limit (dBuV)	
	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

- Procedure: ANSI C63.4 2009

1. The test procedure is performed in a 6.5 m × 3.5 m × 3.5 m (L × W × H) shielded room. The EUT along with its peripherals were placed on a 1.0 m (W) × 1.5 m (L) and 0.8 m in height wooden table and the EUT was adjusted to maintain a 0.4 meter space from a vertical reference plane.
2. The EUT was connected to power mains through a line impedance stabilization network (LISN) which provides 50 ohm coupling impedance for measuring instrument and the chassis ground was bounded to the horizontal ground plane of shielded room.
3. All peripherals were connected to the second LISN and the chassis ground also bounded to the horizontal ground plane of shielded room.
4. The excess power cable between the EUT and the LISN was bundled. The power cables of peripherals were unbundled. All connecting cables of EUT and peripherals were moved to find the maximum emission.

- Measurement Data: Comply (refer to the next page)

- Measurement Data(Graph): 300mA

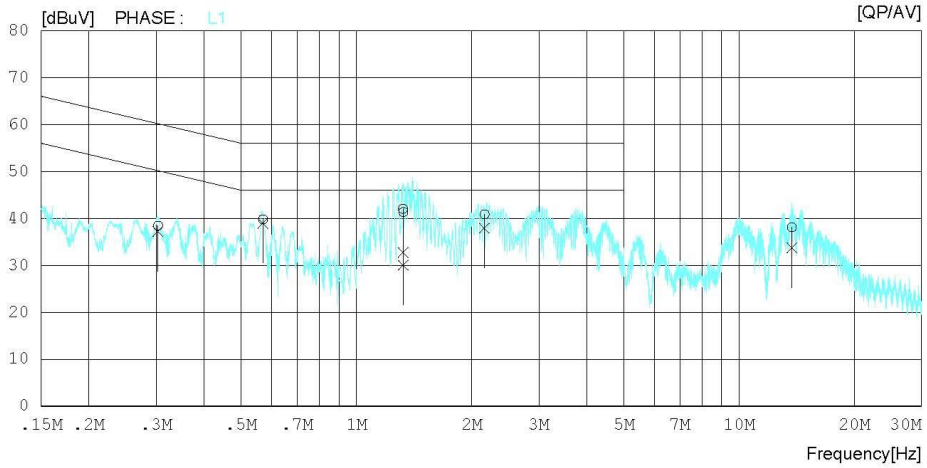
Results of Conducted Emission

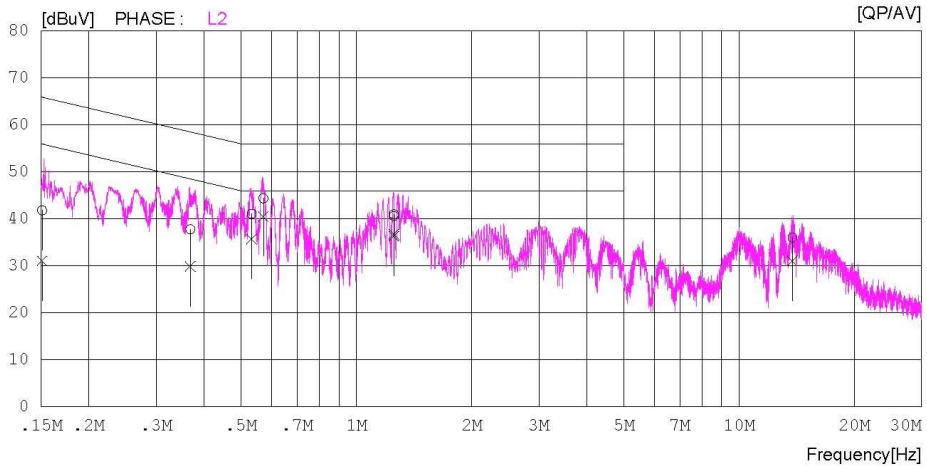
Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	300mA	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV





- Measurement Data(List): 300mA

Results of Conducted Emission

Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	300mA	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV

NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.30310	28.1	26.9	10.3	38.4	37.2	60.2	50.2	21.8	13.0	L1
2	0.57009	29.6	28.7	10.2	39.8	38.9	56.0	46.0	16.2	7.1	L1
3	1.32300	31.8	22.5	10.2	42.0	32.7	56.0	46.0	14.0	13.3	L1
4	1.32720	31.2	19.8	10.2	41.4	30.0	56.0	46.0	14.6	16.0	L1
5	2.16360	30.5	27.6	10.3	40.8	37.9	56.0	46.0	15.2	8.1	L1
6	13.75700	27.4	23.0	10.7	38.1	33.7	60.0	50.0	21.9	16.3	L1
7	0.15079	31.5	20.7	10.3	41.8	31.0	66.0	56.0	24.2	25.0	L2
8	0.36791	27.5	19.6	10.3	37.8	29.9	58.5	48.5	20.7	18.6	L2
9	0.53269	30.9	25.5	10.2	41.1	35.7	56.0	46.0	14.9	10.3	L2
10	0.57127	34.2	30.4	10.2	44.4	40.6	56.0	46.0	11.6	5.4	L2
11	1.25380	30.4	26.1	10.2	40.6	36.3	56.0	46.0	15.4	9.7	L2
12	1.25360	30.8	26.6	10.2	41.0	36.8	56.0	46.0	15.0	9.2	L2
13	13.79040	25.4	20.4	10.7	36.1	31.1	60.0	50.0	23.9	18.9	L2

- Measurement Data(Graph): 600mA

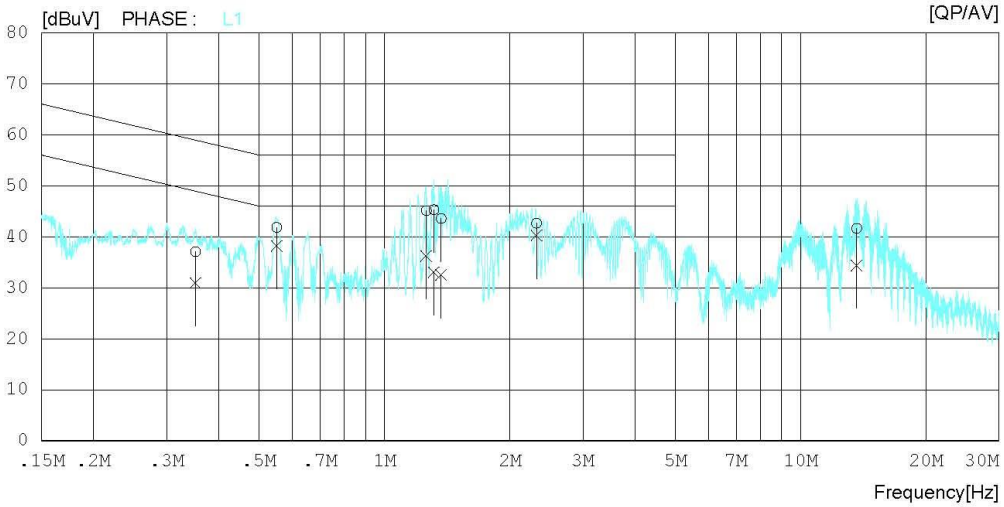
Results of Conducted Emission

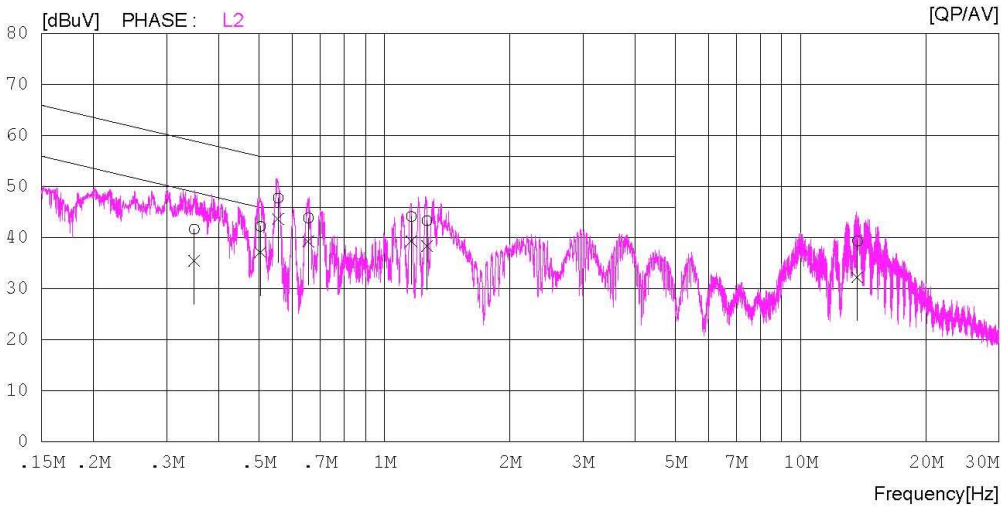
Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	600mA	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV





- Measurement Data(List): 600mA

Results of Conducted Emission

Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	600mA	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV

NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.35159	26.7	20.6	10.3	37.0	30.9	58.9	48.9	21.9	18.0	L1
2	0.55050	31.6	28.0	10.2	41.8	38.2	56.0	46.0	14.2	7.8	L1
3	1.31480	35.1	22.8	10.2	45.3	33.0	56.0	46.0	10.7	13.0	L1
4	1.26080	34.9	26.0	10.2	45.1	36.2	56.0	46.0	10.9	9.8	L1
5	1.36840	33.4	22.3	10.2	43.6	32.5	56.0	46.0	12.4	13.5	L1
6	2.32000	32.3	29.9	10.3	42.6	40.2	56.0	46.0	13.4	5.8	L1
7	13.64680	30.9	23.7	10.7	41.6	34.4	60.0	50.0	18.4	15.6	L1
8	0.34889	31.4	25.2	10.3	41.7	35.5	59.0	49.0	17.3	13.5	L2
9	0.50335	32.1	27.0	10.2	42.3	37.2	56.0	46.0	13.7	8.8	L2
10	0.55497	37.6	33.5	10.2	47.8	43.7	56.0	46.0	8.2	2.3	L2
11	0.65645	33.7	29.1	10.2	43.9	39.3	56.0	46.0	12.1	6.7	L2
12	1.16060	34.0	29.1	10.2	44.2	39.3	56.0	46.0	11.8	6.7	L2
13	1.26540	33.2	28.2	10.2	43.4	38.4	56.0	46.0	12.6	7.6	L2
14	13.69800	28.7	21.6	10.7	39.4	32.3	60.0	50.0	20.6	17.7	L2

- Measurement Data(Graph): 1000mA

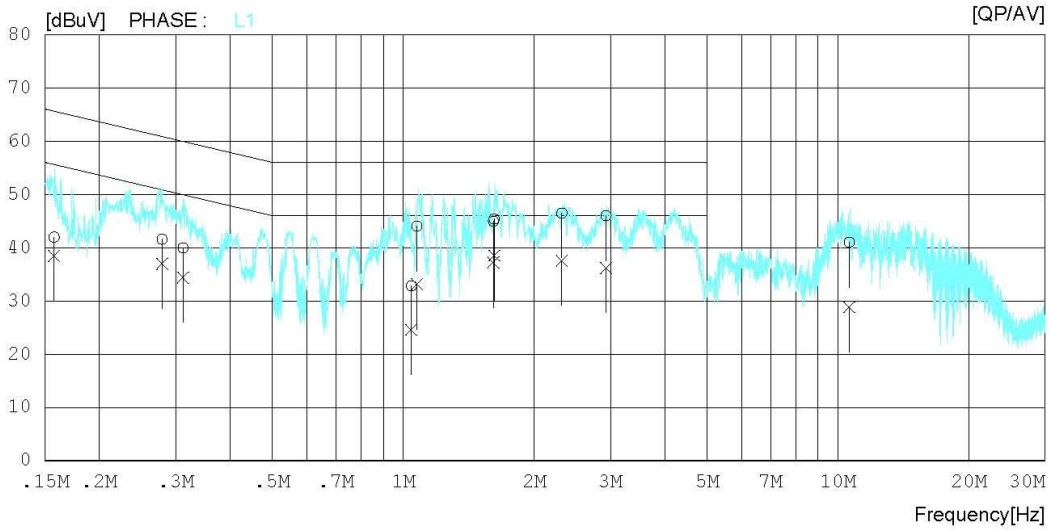
Results of Conducted Emission

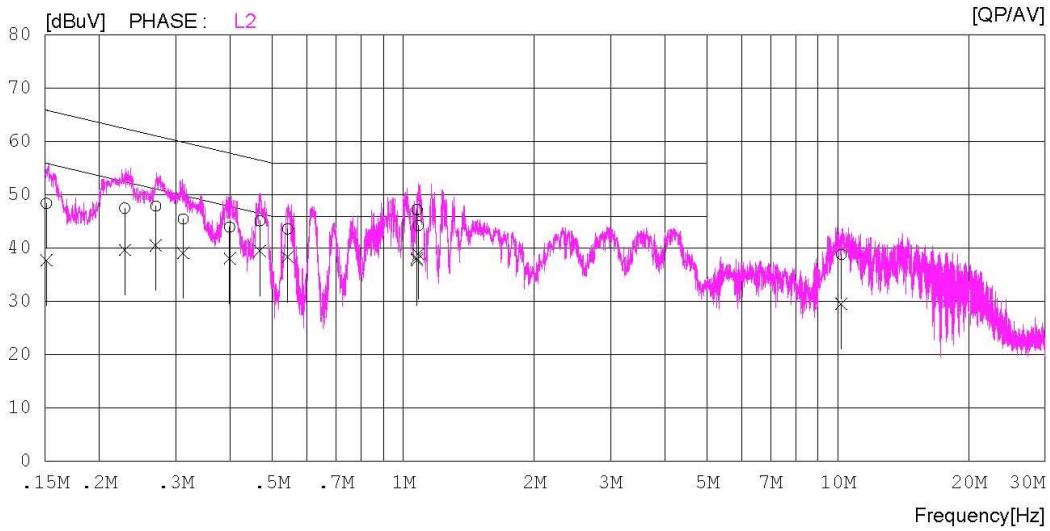
Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	1000mA	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV





- Measurement Data(List): 1000mA

Results of Conducted Emission

Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	1000mA	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV

NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15736	31.7	28.1	10.3	42.0	38.4	65.6	55.6	23.6	17.2	L1
2	0.27887	31.3	26.6	10.3	41.6	36.9	60.8	50.8	19.2	13.9	L1
3	0.31130	29.6	24.1	10.3	39.9	34.4	59.9	49.9	20.0	15.5	L1
4	1.07500	33.8	22.9	10.2	44.0	33.1	56.0	46.0	12.0	12.9	L1
5	1.04440	22.6	14.4	10.2	32.8	24.6	56.0	46.0	23.2	21.4	L1
6	1.61940	35.1	28.2	10.3	45.4	38.5	56.0	46.0	10.6	7.5	L1
7	1.61280	34.6	26.9	10.3	44.9	37.2	56.0	46.0	11.1	8.8	L1
8	2.31760	36.2	27.2	10.3	46.5	37.5	56.0	46.0	9.5	8.5	L1
9	2.93000	35.7	25.9	10.3	46.0	36.2	56.0	46.0	10.0	9.8	L1
10	10.62840	30.4	18.2	10.6	41.0	28.8	60.0	50.0	19.0	21.2	L1
11	0.15102	38.1	27.5	10.3	48.4	37.8	65.9	55.9	17.5	18.1	L2
12	0.22861	37.2	29.4	10.3	47.5	39.7	62.5	52.5	15.0	12.8	L2
13	0.26965	37.6	30.3	10.3	47.9	40.6	61.1	51.1	13.2	10.5	L2
14	0.31169	35.2	28.8	10.3	45.5	39.1	59.9	49.9	14.4	10.8	L2
15	0.39881	33.8	27.9	10.2	44.0	38.1	57.9	47.9	13.9	9.8	L2
16	0.46782	34.9	29.3	10.2	45.1	39.5	56.6	46.6	11.5	7.1	L2
17	0.54250	33.5	28.1	10.2	43.7	38.3	56.0	46.0	12.3	7.7	L2
18	1.07640	37.1	27.9	10.2	47.3	38.1	56.0	46.0	8.7	7.9	L2
19	1.07580	37.0	27.5	10.2	47.2	37.7	56.0	46.0	8.8	8.3	L2
20	1.08440	34.1	28.7	10.2	44.3	38.9	56.0	46.0	11.7	7.1	L2
21	10.18540	28.3	19.0	10.6	38.9	29.6	60.0	50.0	21.1	20.4	L2

- Measurement Data(Graph): @ < 1% battery status

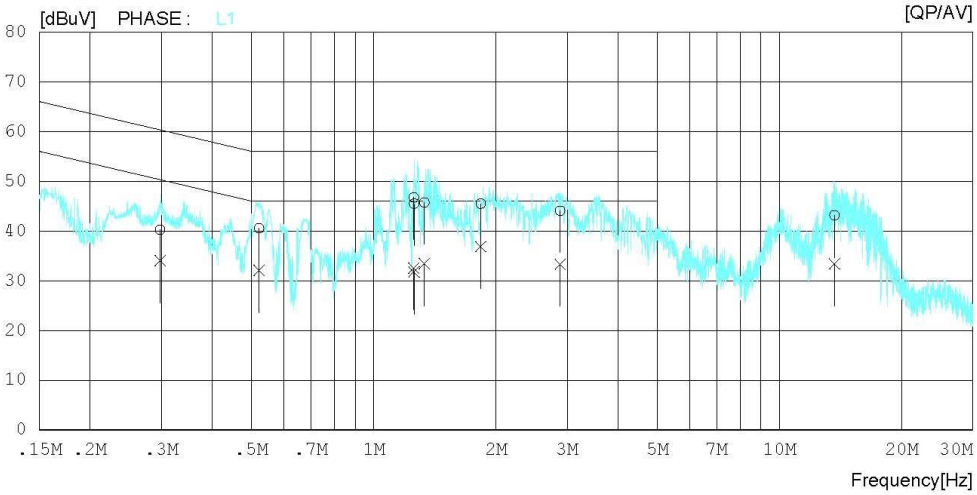
Results of Conducted Emission

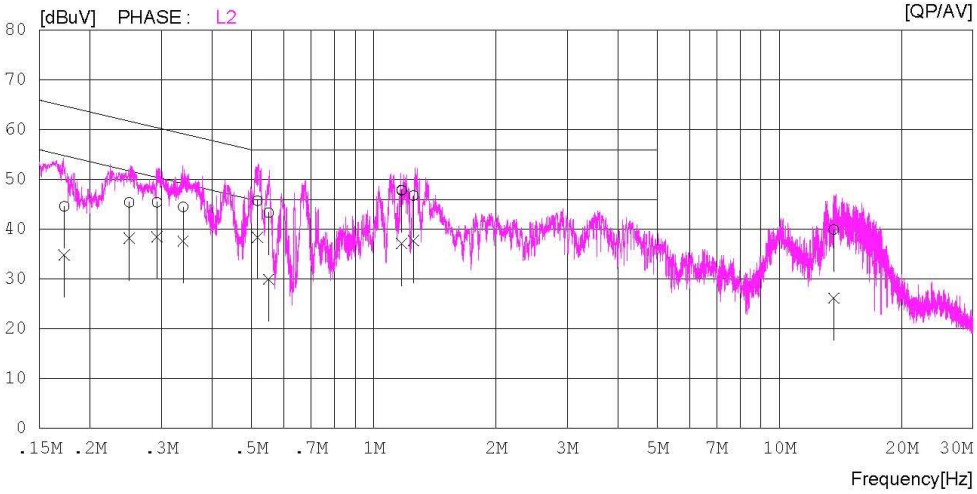
Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	1% > Battery	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV





- Measurement Data(List): @ < 1% battery status

Results of Conducted Emission

Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	1% > Battery	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV

NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.29759	29.9	23.7	10.3	40.2	34.0	60.3	50.3	20.1	16.3	L1
2	0.52179	30.3	21.9	10.2	40.5	32.1	56.0	46.0	15.5	13.9	L1
3	1.25760	35.3	21.5	10.2	45.5	31.7	56.0	46.0	10.5	14.3	L1
4	1.25620	36.5	22.4	10.2	46.7	32.6	56.0	46.0	9.3	13.4	L1
5	1.33340	35.5	23.2	10.2	45.7	33.4	56.0	46.0	10.3	12.6	L1
6	1.83700	35.2	26.5	10.3	45.5	36.8	56.0	46.0	10.5	9.2	L1
7	2.88280	33.8	23.0	10.3	44.1	33.3	56.0	46.0	11.9	12.7	L1
8	13.67020	32.4	22.7	10.7	43.1	33.4	60.0	50.0	16.9	16.6	L1
9	0.17274	34.2	24.4	10.4	44.6	34.8	64.8	54.8	20.2	20.0	L2
10	0.24978	35.2	27.9	10.3	45.5	38.2	61.8	51.8	16.3	13.6	L2
11	0.29235	35.1	28.2	10.3	45.4	38.5	60.5	50.5	15.1	12.0	L2
12	0.33887	34.2	27.4	10.3	44.5	37.7	59.2	49.2	14.7	11.5	L2
13	0.51720	35.6	28.2	10.2	45.8	38.4	56.0	46.0	10.2	7.6	L2
14	0.55050	33.1	19.8	10.2	43.3	30.0	56.0	46.0	12.7	16.0	L2
15	1.17240	37.8	27.0	10.2	48.0	37.2	56.0	46.0	8.0	8.8	L2
16	1.17260	37.6	27.0	10.2	47.8	37.2	56.0	46.0	8.2	8.8	L2
17	1.25280	36.6	27.5	10.2	46.8	37.7	56.0	46.0	9.2	8.3	L2
18	13.61080	29.3	15.5	10.7	40.0	26.2	60.0	50.0	20.0	23.8	L2

- Measurement Data(Graph): @ 50% battery status

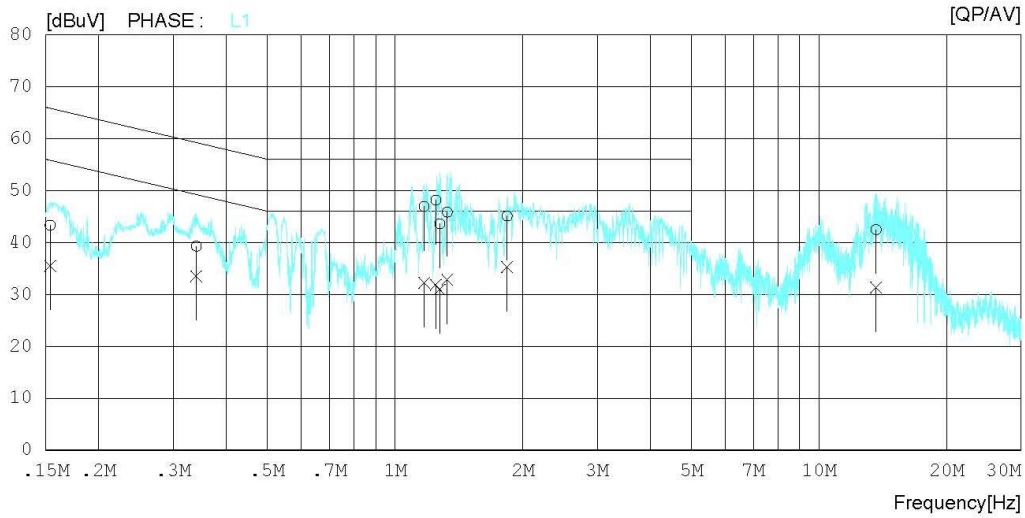
Results of Conducted Emission

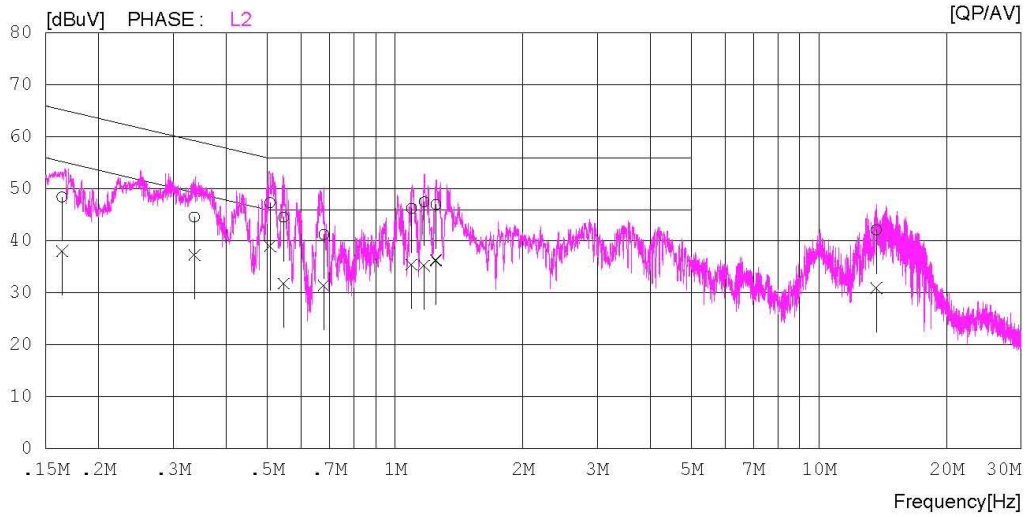
Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	50% Battery	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV





- Measurement Data(List): @ 50% battery status

Results of Conducted Emission

Digital EMC
Date : 2014-05-22

Model No.	:	WCD-100	Referrence No.	:	
Type	:		Power Supply	:	120 V 60 Hz
Serial No.	:	Identical prototype	Temp/Humi.	:	25 'C 45 % R.H.
Test Condition	:	50% Battery	Operator	:	J.J.LEE

Memo :

LIMIT : FCC P15.207 QP
FCC P15.207 AV

NO	FREQ	READING QP	READING AV	C.FACTOR	RESULT QP	RESULT AV	LIMIT QP	LIMIT AV	MARGIN QP	MARGIN AV	PHASE
	[MHz]	[dBuV]	[dBuV]	[dB]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	[dBuV]	
1	0.15361	33.0	25.2	10.3	43.3	35.5	65.8	55.8	22.5	20.3	L1
2	0.33998	28.9	23.2	10.3	39.2	33.5	59.2	49.2	20.0	15.7	L1
3	1.17120	36.7	22.0	10.2	46.9	32.2	56.0	46.0	9.1	13.8	L1
4	1.24900	37.9	21.6	10.2	48.1	31.8	56.0	46.0	7.9	14.2	L1
5	1.32820	35.6	22.6	10.2	45.8	32.8	56.0	46.0	10.2	13.2	L1
6	1.27440	33.4	20.7	10.2	43.6	30.9	56.0	46.0	12.4	15.1	L1
7	1.83860	34.8	24.9	10.3	45.1	35.2	56.0	46.0	10.9	10.8	L1
8	13.64480	31.7	20.6	10.7	42.4	31.3	60.0	50.0	17.6	18.7	L1
9	0.16379	38.2	27.7	10.3	48.5	38.0	65.3	55.3	16.8	17.3	L2
10	0.33620	34.3	27.0	10.3	44.6	37.3	59.3	49.3	14.7	12.0	L2
11	0.50669	37.2	28.7	10.2	47.4	38.9	56.0	46.0	8.6	7.1	L2
12	0.54592	34.4	21.6	10.2	44.6	31.8	56.0	46.0	11.4	14.2	L2
13	0.67897	31.0	21.2	10.2	41.2	31.4	56.0	46.0	14.8	14.6	L2
14	1.09460	36.1	25.2	10.2	46.3	35.4	56.0	46.0	9.7	10.6	L2
15	1.17180	37.3	25.1	10.2	47.5	35.3	56.0	46.0	8.5	10.7	L2
16	1.25020	36.8	26.1	10.2	47.0	36.3	56.0	46.0	9.0	9.7	L2
17	1.24940	36.8	26.0	10.2	47.0	36.2	56.0	46.0	9.0	9.8	L2
18	13.65760	31.4	20.2	10.7	42.1	30.9	60.0	50.0	17.9	19.1	L2

APPENDIX I

TEST EQUIPMENT FOR TESTS

.

Type	Manufacturer	Model	Cal.Date (yy/mm/dd)	Next.Cal.Date (yy/mm/dd)	S/N
Spectrum Analyzer	Agilent	N9030A	13/10/29	14/10/29	MY53310140
Loop Antenna	ETS	6502	12/12/11	14/12/11	3471
BILOG ANTENNA	SCHAFFNER	CBL6112B	12/11/06	14/11/06	2737
Thermohygrometer	BODYCOM	BJ5478	13/06/01	14/06/01	120612-2
Vector Signal Generator	Rohde Schwarz	SMJ100A	14/01/07	15/01/07	100148
Amplifier (22dB)	H.P	8447E	14/01/08	15/01/08	2945A02865
EMI TEST RECEIVER	R&S	ESU	14/01/08	15/01/08	100014
EMI TEST RECEIVER	R&S	ESCI	14/02/27	15/02/27	100910
CVCF	EM TEST	NETWAVE 60-400	13/05/27	14/05/27	P1311115470
LISN	SCHWARZBECK	NNLK8121	13/08/12	14/08/12	NNLK8121-580
PULSE LIMITER	R&S	ESH3-Z2	14/01/08	15/01/08	101334