

TEST REPORT

KCTL Inc.

65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-31-285-0894 FAX: 82-505-299-8311 www.kctl.co.kr Report No.: KR18-SRF0107-A

Page (1) of (21)



1. Client

Name

: Mcube Technology Co.,Ltd.

Address

: #803, 123, Bonghwasan-ro, Jungnang-gu, Seoul, Republic of Korea

Date of Receipt

: 2018-04-05

2. Use of Report

: -

3. Name of Product and Model

: CUBEScan Charger / Charger-001

4. Manufacturer and Country of Origin: Mcube Technology Co., Ltd. / Korea

5. FCC ID

: 2AGCZBIOCON900S

6. IC

: 20981-BIOCON900S

7. Date of Test

: 2018-04-05 to 2018-04-17

8. Test Standards

: FCC Part 15 Subpart C, 15.209

IC RSS-210 issue 9, RSS-Gen Issue 5

9. Test Results

: Refer to the test result in the test report

Tested by

Technical Manager

Affirmation

Name: Seonjun Yun



Name: Seungyong Kim

2018-10-12

KCTL Inc.

As a test result of the sample which was submitted from the client, this report does not guarantee the whole product quality. This test report should not be used and copied without a written agreement by KCTL Inc.

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Page (2) of (21)



REPORT REVISION HISTORY

Date	Revision	Page No
2018-08-30	Originally issued	-
2018-10-12	Revised	6,9,18

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Report No.: KR18-SRF0107-A

Page (3) of (22)



[Contents]

1.	Client information	4
2.	Laboratory information	5
3.	Description of E.U.T	6
	3.1 Basic description	
	3.2 General description	6
	3.3 Support equipment	6
	3.4 Test configurations	7
	3.5 Normal and extreme test conditions	7
4.	Summary of test results	8
	4.1 Standards & results	8
	4.2 Measurement Uncertainty	8
5.	Test results	9
	5.1 Antenna Requirement	9
	5.2 Field Strength of Fundamental and Spurious Emission	. 10
	5.3 20 dB Bandwidth and Occupied Bandwidth	. 17
	5.4 Conducted Emission	. 20
6.	Test equipment used for test	. 22

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Report No.: KR18-SRF0107-A

Page (4) of (22)



1. Client information

Applicant: Mcube Technology Co.,Ltd.

Address: #803, 123, Bonghwasan-ro, Jungnang-gu, Seoul, Republic of

Korea

Telephone number: +82 2 3421 7780

Contact person: Chang-Hyun Kim / kch@mcubetech.co.kr

Manufacturer: Mcube Technology Co.,Ltd.

Address: #803, 123, Bonghwasan-ro, Jungnang-gu, Seoul, Republic of

Korea



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Report No.: KR18-SRF0107-A

Page (5) of (22)



2. Laboratory information

Address

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Telephone Number: +82 31 285 0894 Facsimile Number: +82 505 299 8311

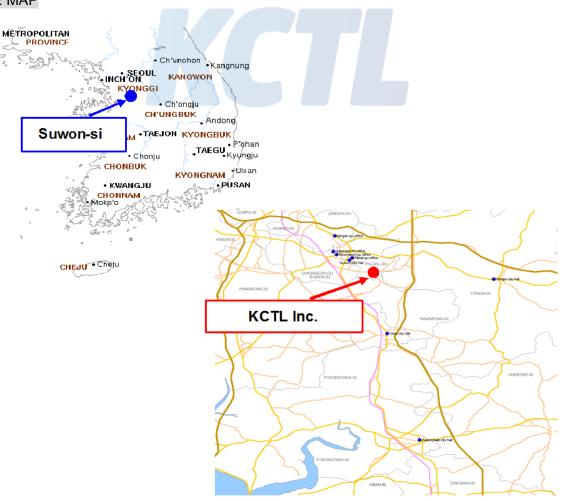
FCC Site Designation No: KR0040, FCC Site Registration No: 687132

VCCI Registration No.: R-3327, G-198, C-3706, T-1849

Industry Canada Registration No.: 8035A

KOLAS NO.: KT231

SITE MAP



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www.kctl.co.kr

Report No.: KR18-SRF0107-A

Page (6) of (22)



3. Description of E.U.T.

3.1 Basic description

Applicant	Mcube Technology Co.,Ltd.
Address of Applicant	#803, 123, Bonghwasan-ro, Jungnang-gu, Seoul, Republic of Korea
Manufacturer	Mcube Technology Co.,Ltd.
Address of Manufacturer	#803, 123, Bonghwasan-ro, Jungnang-gu, Seoul, Republic of Korea
Type of equipment	CUBEScan Charger
Basic Model	Charger-001
Serial number	N/A

3.2 General description

Frequency Range	149 kHz ~ 156 kHz		
Type of Modulation	AM		
Power supply	DC 12 V		
Type of Antenna	Loop coil Antenna		
RF power setting	Referred the measuring instrument from manufacturer		

Note: The above EUT information was declared by the manufacturer.

3.3 Support equipment

Client device	Model	FCC ID	
Bladder Volume Measurement System	BioCon-900S	N/A	
AC/DC SWITCHING ADAPTOR	GSM60A12	N/A	

Note: Client device supports only receiver function of WPT system and it is consisted of a set with EUT.

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Report No.: KR18-SRF0107-A

Page (7) of (22)



3.4 Test configurations

In order to check all kinds of possible configurations, EUT was evaluated with appropriate client and under each charging condition as below table.

EUT Mode	Description	
Charging Mode (Model : BioCon-900S, FCC ID : N/A)	Less than 1 % of Battery	
	Less than 50 % of Battery	
	100 % full charging of Battery	

Note: The above EUT information was declared by the manufacturer.

3.5 Normal and extreme test conditions

- Ambient Conditions

	Temperature [°C]	Relative humidity [%]
Requirement for tests	15 to 35	20 to 75
Ambient Conditions	23	51

-Test Conditions

Test Condition	Temperature [°C]	Voltage [V]
NTNV	23	12

Note 1: N:Normal T:Temperature V:Voltage

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Report No.: KR18-SRF0107-A

Page (8) of (22)



4. Summary of test results

4.1 Standards & results

FCC Rule Reference	IC Rule Reference	Parameter	Report Section	Test Result
15.203	-	- Antenna Requirement		С
		Field Strength of Fundamental and Spurious Emission	5.2	С
2.1049	2.1049 RSS-Gen Issue 5, 6.7 Cocupied Bandwidth and Occupied Bandwidth		5.3	С
15.207 RSS-Gen Issue 5, 8.8		AC Power Line Conducted Emission	5.4	С

Note_{1):} C = Complies, NC = Not Complies, NT = Not Tested, NA = Not Applicable

Note: Measurement methods used to test this device are ANSI C63.10:2013

4.2 Measurement Uncertainty

Measurement Item	Expanded Uncertainty U = kUc (k = 2)				
	9 kHz ~ 30 MHz	+2.42 dB, -2.42 dB			
	30 MHz ~ 300 MHz:	+4.94 dB, -5.06 dB			
Radiated Spurious Emissions	30 MIZ ~ 300 MIZ.	+4.93 dB, -5.05 dB			
	300 MHz ~ 1 000 MHz:	+4.97 dB , -5.08 dB			
	300 MIL ~ 1 000 MIL.	+4.84 dB, -4.96 dB			

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www.kctl.co.kr

Report No.: KR18-SRF0107-A

Page (9) of (22)



5. Test results

5.1 Antenna Requirement

5.1.1 Regulation

According to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

5.1.2 Result

-Complied

The transmitter has permanently attached Loop Coil Antenna (internal antenna) on board.

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Report No.: KR18-SRF0107-A

Page (10) of (22)



5.2 Field Strength of Fundamental and Spurious Emission

5.2.1 Regulation

According to §15.209(a), Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall notexceed the field strength levels specified in the following table:

Frequency (Mb)	Field strength (μV/m)	Measurement distance (m)
0.009 - 0.490	2 400/F(kHz)	300
0.490 - 1.705	24 000/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 paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 Mb, 76–88 Mb, 174–216 Mb or 470–806 Mb. However, operation within these frequency bands is permitted under other sections of this part, e.g., §15.231 and 15.241.

5.2.2 Measurement Procedure

Test Procedures for emission from 9 kHz to 30 MHz

- a. 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.
- b. Then antenna is a loop antenna is fixed at one meter above the ground to determine the maximum value of the field strength. Both parallel and perpendicular of the antenna are set to make the measurement.
- c. For each suspected emission, the EUT was arranged to its worst case and then the table was turned from 0 degrees to 360 degrees to find the maximum reading.
- d. The test-receiver system was set to Quasi Peak and Average Detect Function and Specified Bandwidth with Maximum Hold Mode.

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Report No.: KR18-SRF0107-A

Page (11) of (22)



Test Procedures for emission from above 30 Mb

- 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 below 1 Gb. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2. During performing radiated emission below 1 GHz, the EUT was set 3 meters away from the Interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. The antenna is a bi-log 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 dB 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 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

Note:

RADIATED EMISSION TEST SITES FOR MEASUREMENTS FROM 9 kHz TO 30 MHz

According to exploratory test no any obvious emission were detected from 9 kHz to 30 MHz. Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

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Report No.: KR18-SRF0107-A

Page (12) of (22)



5.2.3 Test Result

Test Condition: Refer to the clause 3.5 Normal and extreme test conditions

- Complied

- 1. Measured value of the Field strength of spurious Emissions (Radiated)
- 2. The following table shows the highest levels of radiated emissions on both polarizations of horizontal and vertical.
- 3. All radiated testing was measured in one orthogonal EUT position (X-axis)

- Field Strength of Fundamental Test data

- Charging Mode (Less than 1 % of Battery)

Frequency	Reading	Pol.	Cable Loss	Amp Gain	Antenna Factor	Factor	3m Field Strength	Result	Limit	Margin
[MHz]	[dB(µV)]	[V/H]	[dB]	[dB]	[dB]	[dB]	$[dB(\mu V/m)]$	$[dB(\mu V/m)]$	$[dB(\mu V/m)]$	[dB]
0.154	79.50	Н	32.75	-32.75	19.60	19.60	99.10	19.10	103.85	4.75
0.154	74.60	V	32.75	-32.75	19.60	19.60	94.20	14.20	103.85	9.65

Note1. Factor = Cable loss + Amp gain + Antenna factor

Note2. According to §15.31 (f)(2);

Result at 300 m (dB μ V/m) = 3 m Field Strength Result (dB μ V/m) - 40log(300/3) (dB μ V/m).

Note3. The limit above was calculated based on table of §15.209 (a).

- Charging Mode (Less than 50 % of Battery)

Frequency	Reading	Pol.	Cable Loss	Amp Gain	Antenna Factor	Factor	3m Field Strength	Result	Limit	Margin
[MHz]	[dB(µV)]	[V/H]	[dB]	[dB]	[dB]	[dB]	$[dB(\mu V/m)]$	$[dB(\mu V/m)]$	$[dB(\mu V/m)]$	[dB]
0.150	64.60	Н	32.75	-32.75	19.60	19.60	84.20	4.20	104.08	19.88
0.150	61.50	V	32.75	-32.75	19.60	19.60	81.10	1.10	104.08	22.98

Note1. Factor = Cable loss + Amp gain + Antenna factor

Note2. According to §15.31 (f)(2);

Result at 300 m ($dB \mu V/m$) = 3 m Field Strength Result ($dB \mu V/m$) - 40log(300/3) ($dB \mu V/m$).

Note3. The limit above was calculated based on table of §15.209 (a).

- Charging Mode (100 % full charging of Battery)

Frequency	Reading	Pol.	Cable Loss	Amp Gain	Antenna Factor	Factor	3m Field Strength	Result	Limit	Margin
[MHz]	[dB(μV)]	[V/H]	[dB]	[dB]	[dB]	[dB]	[dB(µV/m)]	$[dB(\mu V/m)]$	$[dB(\mu V/m)]$	[dB]
0.150	66.60	Н	32.75	-32.75	19.60	19.60	86.20	6.20	104.08	17.88
0.150	63.70	V	32.75	-32.75	19.60	19.60	83.30	3.30	104.08	20.78

Note1. Factor = Cable loss + Amp gain + Antenna factor

Note2. According to §15.31 (f)(2);

Result at 300 m ($dB \mu V/m$) = 3 m Field Strength Result ($dB \mu V/m$) - 40log(300/3) ($dB \mu V/m$).

Note3. The limit above was calculated based on table of §15.209 (a).

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Report No.: KR18-SRF0107-A

Page (13) of (22)



- Spurious Emission Test data

- 1. According to §15.31 (f)(2)
 - 300 m Result (dB μ V/m) = 3 m Result (dB μ V/m) 40log(300/3) (dB μ V/m)
 - 30 m Result (dB μ V/m) = 3 m Result (dB μ V/m) 40log(30/3) (dB μ V/m)
- 2. Spurious emissions for all channels and modes were investigated and almost the same below 1 $\[mathcal{BL}\]$.
- 3. According to §15.31(o), emission levels are not report much lower than the limits by over 20 dB

- Below 30 Mb data

Charging Mode (Less than 1 % of Battery)

	,			• ,						
Frequency	Receiver Bandwidth	Pol.	Reading	Cable Loss	Amp Gain	Antenna Factor	Factor	Result	Limit	Margin
[MHz]	[kHz]	[V/H]	[dB(µV)]	[dB]	[dB]	[dB]	[dB]	$[dB(\mu V/m)]$	$[dB(\mu V/m)]$	[dB]
Quasi-Peak DATA. Emissions below 30 Mb										
0.05	9	Н	49.70	31.77	-32.19	20.12	19.70	69.40	114.20	44.80
0.15	9	Н	79.50	32.75	-32.75	19.60	19.60	99.10	103.90	4.80
0.46	9	Н	55.20	32.73	-32.73	19.60	19.60	74.80	94.40	19.60
1.07	9	V	43.20	32.72	-32.72	19.60	19.60	62.80	67.00	4.20
5.68	9	V	44.90	32.69	-32.69	19.70	19.70	64.60	69.50	4.90
7.99	9	Н	46.10	32.68	-32.68	19.70	19.70	65.80	69.50	3.70

Charging Mode (Less than 50 % of Battery)

Frequency	Receiver Bandwidth	Pol.	Reading	Cable Loss	Amp Gain	Antenna Factor	Factor	Result	Limit	Margin
[MHz]	[kHz]	[V/H]	[dB(μV)]	[dB]	[dB]	[dB]	[dB]	[dB(µV/m)]	[dB(µV/m)]	[dB]
Quasi-Peak DATA. Emissions below 30 Mb										
0.02	9	Н	41.30	31.46	-31.92	20.36	19.90	61.20	120.50	59.30
0.05	9	Н	45.70	31.77	-32.19	20.12	19.70	65.40	114.20	48.80
0.09	9	Н	39.90	32.64	-32.70	19.66	19.60	59.50	108.20	48.70
0.15	9	Н	64.60	32.75	-32.75	19.60	19.60	84.20	104.10	19.90
4.71	9	V	46.70	32.70	-32.69	19.69	19.70	66.40	69.50	3.10
10.06	9	V	44.60	32.67	-32.67	19.70	19.70	64.30	69.50	5.20

Charging Mode (Less than 100 % of Battery)

	Charging Mode (2000 than 100 % of Battory)										
Frequency	Receiver Bandwidth	Pol.	Reading	Cable Loss	Amp Gain	Antenna Factor	Factor	Result	Limit	Margin	
[MHz]	[kHz]	[V/H]	[dB(µV)]	[dB]	[dB]	[dB]	[dB]	[dB(μ V/m)]	$[dB(\mu V/m)]$	[dB]	
Quasi-Peak DATA. Emissions below 30 Mb											
0.05	9	Η	45.10	31.77	-32.19	20.12	19.70	64.80	114.20	49.40	
0.07	9	Н	44.50	32.14	-32.44	19.90	19.60	64.10	110.70	46.60	
0.15	9	Н	66.60	32.75	-32.75	19.60	19.60	86.20	104.10	17.90	
1.36	9	V	41.90	32.71	-32.72	19.61	19.60	61.50	65.00	3.50	
5.57	9	V	39.00	32.69	-32.69	19.70	19.70	58.70	69.50	10.80	
10.17	9	V	38.10	32.68	-32.67	19.69	19.70	57.80	69.50	11.70	

Note1. Factor = Cable loss + Amp gain + Antenna factor

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KR18-SRF0107-A Page (14) of (22)

Report No.:



- Below 1 @ data

Charging Mode (Less than 1 % of Battery)

	•			,,						
Frequency	Receiver Bandwidth	Pol.	Reading	Cable Loss	Amp Gain	Antenna Factor	Factor	Result	Limit	Margin
[MHz]	[kHz]	[V/H]	[dB(μV)]	[dB]	[dB]	[dB]	[dB]	$[dB(\mu V/m)]$	$[dB(\mu V/m)]$	[dB]
Quasi-Peak DATA. Emissions below 1 础										
45.76	120	V	43.10	1.38	-31.17	16.03	-13.76	29.34	40.00	10.66
143.73	120	V	30.70	2.60	-38.49	17.08	-18.81	11.89	40.00	28.11
149.43	120	Н	31.00	2.66	-37.92	16.73	-18.53	12.47	43.50	31.03
218.06	120	Н	30.14	3.26	-34.16	16.35	-14.55	15.59	43.50	27.91
400.06	120	Н	38.70	4.56	-35.61	21.70	-9.35	29.35	43.50	14.15
817.16	120	Н	21.40	6.67	-34.50	25.84	-1.99	19.41	46.00	26.59

Note1. Factor = Cable loss + Amp gain + Antenna factor



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FAX: 82-505-299-8311 Page (15) of (22)

Report No.:

KR18-SRF0107-A

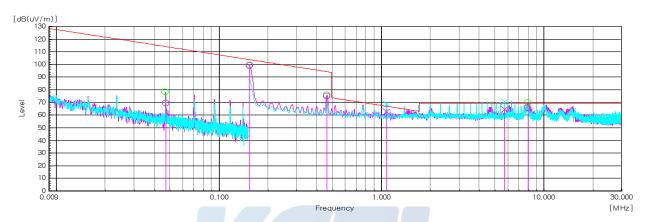


5.2.4 Test Plot

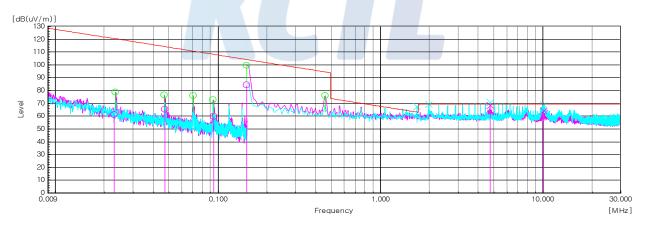
Plot of Field Strength of Fundamental and Spurious Emission (Radiated)

- 9 kt/z ~ 30 Mt/z data

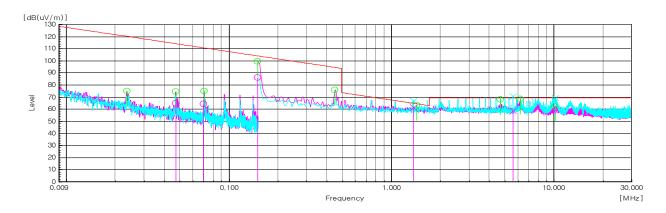
- Charging Mode (Less than 1 % of Battery)



- Charging Mode (Less than 50 % of Battery)



- Charging Mode (100 % full charging of Battery)



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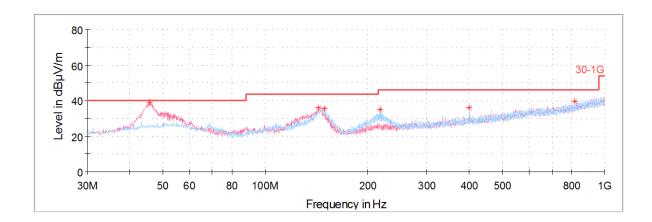
KR18-SRF0107-A Page (16) of (22)

Report No.:



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- 30 雕 ~ 1 毑 data (worst-case: Charging Mode (Less than 1 % of Battery))





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Report No.: KR18-SRF0107-A

Page (17) of (22)



5.3 20 dB Bandwidth and Occupied Bandwidth

5.3.1 Regulation

For reporting purpose only

5.3.2 Measurement Procedure

- 20 dB Bandwidth
- a. Span = set to capture all products of the modulation process, including the emission skirts. RBW = 1 ~ 5 % of the OBW, VBW = RBW, Sweep = auto, Detector = peak, Trace = max hold.
- b. The marker-to-peak function to set the mark to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is 20 dB bandwidth of the emission.
- Occupied Bandwidth

The transmitter shall be operated at its maximum carrier power measured under normal test conditions.

- The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts.
- The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the occupied bandwidth (OBW) and video bandwidth (VBW) shall be approximately 3x RBW.

A peak, or peak hold, may be used in place of the sampling detector as this may produce a wider bandwidth than the actual bandwidth (worst-case measurement). Use of a peak hold may be necessary to determine the occupied bandwidth if the device is not transmitting continuously.

The trace data points are recovered and are directly summed in linear power level terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points (starting at the highest frequency, at the right side of the span, and going down in frequency). This frequency is then recorded.

The difference between the two recorded frequencies is the 99% occupied bandwidth.

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Page (18) of (22)

Report No.:

KR18-SRF0107-A



5.3.3 Test Result

Test Condition: Refer to the clause 3.5 Normal and extreme test conditions

- Complied

Test Mode	20 dB Bandwidth [Hz]	Occupied Bandwidth [Hz]	Results
50 % Charging Mode ¹⁾	67.90	59.94	reporting purpose

Note¹⁾: Becasuse the measured signal is CW/CW-like,adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW.



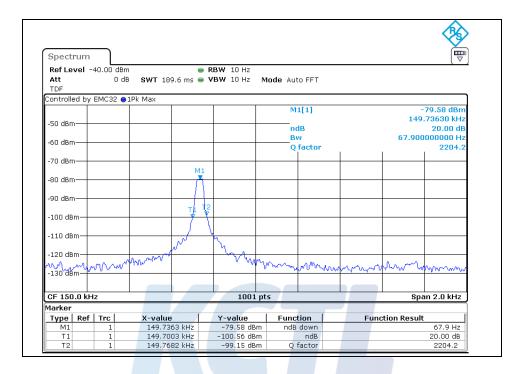
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Page (19) of (22)

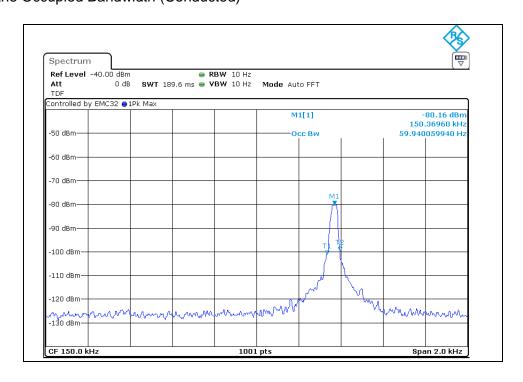


5.3.4 Test Plot

Plot of 20 dB Bandwidth



Plot of the Occupied Bandwidth (Conducted)



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www.kctl.co.kr

Report No.: KR18-SRF0107-A

Page (20) of (22)



5.4 Conducted Emission

5.4.1 Regulation

According to §15.207(a), for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kllz to 30 kllz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 Ω line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Fraguency of amission (NIII)	Conducted limit (dBµV)				
Frequency of emission (Mb)	Qausi-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.

According to §15.107(a), for unintentional device, except for Class A digital devices, line conducted emission limits are the same as the above table.

5.4.2 Measurement Procedure

- 1) The EUT was placed on a wooden table of size, 1 m by 1.5 m, raised 80 cm in which is located 40 cm away from the vertical wall and 1.5m away from the side wall of the shielded room.
- 2) Each current-carrying conductor of the EUT power cord was individually connected through a $50\Omega/50\mu H$ LISN, which is an input transducer to a Spectrum Analyzer or an EMI/Field Intensity Meter, to the input power source.
- 3) Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
- 4) The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was then performed over the frequency range of 0.15 MHz to 30 MHz.
- 5) The measurements were made with the detector set to PEAK amplitude within a bandwidth of 10 kHz or to QUASI-PEAK and AVERAGE within a bandwidth of 9 kHz. The EUT was in transmitting mode during the measurements.

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Page (21) of (22)



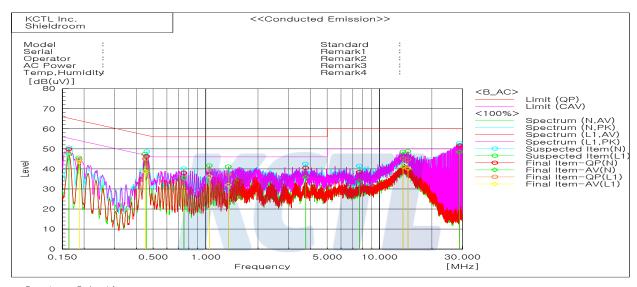
5.4.3 Test Result

Test Condition: Refer to the clause 3.5 Normal and extreme test conditions

- Complied

Figure 6. plot of Conducted Emission

- Conducted worst-case data: Charging Mode (Less than 1 % of Battery)



Spectrum Select	ion						
N Phase No. Frequency	- Reading	c.f	Result PK	Limit QP	Limit AV	Margin QP	Margin AV
[MHz] 1 0.16394 2 0.45979 3 0.74837 4 3.75113 5 7.650 6 28.80625	[dB(uV)] 40.6 38.8 30.4 32.8 31.7 42.8	[dB] 10.0 9.8 9.7 9.7 9.8 10.0	[dB(uV)] 50.6 48.6 40.1 42.5 41.5 52.8	[dB(uV)] 65.3 56.7 56.0 56.0 60.0	[dB(uV)] 55.3 46.7 46.0 46.0 50.0 50.0	[dB] 14.7 8.1 15.9 13.5 18.5 7.2	[dB] 4.7 -1.9 5.9 3.5 8.5 -2.8
L1 Phase No. Frequency	 Reading	c.f	Result	Limit	∟imit	Margin	Margin
[MHz] 1 0.18638 2 0.44646 3 1.04968 4 1.35219 5 13.64375 6 14.54375	[dB(uV)] 35.6 37.5 31.9 31.4 38.5 38.8	[dB] 9.9 9.8 9.7 9.7 10.0	PK [dB(uV)] 45.5 47.3 41.6 41.1 48.5 48.8	QP [dB(uV)] 64.2 56.9 56.0 56.0 60.0	AV [dB(uV)] 54.2 46.9 46.0 46.0 50.0	QP [dB] 18.7 9.6 14.4 14.9 11.5	AV [dB] 8.7 -0.4 4.4 4.9 1.5

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Report No.: KR18-SRF0107-A

Page (22) of (22)



6. Test equipment used for test

Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
SIGNAL GENERATOR	R&S	SMB100A	176206	19.01.31
VECTOR SIGNAL GENERATOR	R&S	SMBV100A	257566	19.01.05
DC Power Supply	AGILENT	E3632A	MY40004399	19.01.05
Spectrum Analyzer	R&S	FSV40	100989	19.01.05
Bilog Antenna	SCHWARZBECK	VULB 9168	440	18.08.05
COAXIAL FIXED ATTENUATOR	AGILENT	8491A	MY52461848	18.08.05
EMI TEST RECEIVER	R & S	ESCI	100732	18.08.24
LOOP Antenna	R & S	HFH2-Z2	892665/035	19.01.25
AMPLIFIER	SONOMA INSTRUMENT	310N	284608	18.08.24
Antenna Mast	MATURO	EAS 1.5	042/8941211	-
Antenna Mast	MATURO	EAS 1.5	043/8941211	-
Turn Table	MATURO	TT 0.8 PF	041/8941211	-
Cable Assembly	gigalane	RG-400	-	-