



TEST REPORT

KCTL KCTL Inc.

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Report No.:
KR20-SRF0173

Page (1) of (21)

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1. Client

- Name : CMITECH Co., Ltd
- Address : 5th Floor, 38, Burim-ro, 170beon-gil, Dongan-gu, Anyang-si,
Gyeonggi-do, 14055, Republic of Korea
- Date of Receipt : 2020-06-11

2. Use of Report : Certification

3. Name of Product / Model : Nova face / FMX

4. Manufacturer / Country of Origin : CMITECH Co., Ltd / Korea

5. FCC ID : 2AJY5FMX

6. Date of Test : 2020-06-29 to 2020-07-03

7. Location of Test : ☒ Permanent Testing Lab ☐ On Site Testing (Address: Address of testing location)

8. Test method used : FCC Part 15 Subpart C, 15.225

9. Test Results : Refer to the test result in the test report

Affirmation	Tested by	Technical Manager
	 Name : Gyunnam Park (Signature)	 Name : Heesu Ahn (Signature)

2020-07-21

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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.

REPORT REVISION HISTORY

Date	Revision	Page No
2020-07-21	Originally issued	-

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General remarks for test reports

Nothing significant to report.

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CONTENTS

1.	General information	4
2.	Device information	4
2.1.	Accessory information	4
2.2.	Frequency/channel operations.....	5
3.	Antenna requirement	5
4.	Summary of tests	6
5.	Measurement uncertainty	7
6.	Test results	8
6.1.	20 dB Bandwidth & 99% Bandwidth.....	8
6.2.	Frequency tolerance	11
6.3.	Radiated spurious emissions	13
6.4.	AC Conducted emission	19
7.	Measurement equipment.....	21

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1. General information

Client : CMITECH Co., Ltd
 Address : 5th Floor, 38, Burim-ro, 170beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14055, Republic of Korea
 Manufacturer : CMITECH Co., Ltd
 Address : 5th Floor, 38, Burim-ro, 170beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, 14055, Republic of Korea
 Laboratory : KCTL Inc.
 Address : 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
 Accreditations : FCC Site Designation No: KR0040, FCC Site Registration No: 687132
 VCCI Registration No. : R-20080, G-20078, C-20059, T-20056
 Industry Canada Registration No. : 8035A
 KOLAS No.: KT231

2. Device information

Equipment under test : Nova face
 Model : FMX
 Frequency range : 13.56 MHz
 Modulation technique : ASK
 Power source : DC 15 V
 Antenna specification : PCB Loop Antenna (NFC)
 Software version : Rev1.0
 Hardware version : Rev1.0
 Test device serial No. : N/A
 Operation temperature : -20 °C ~ 50 °C

2.1. Accessory information

Equipment	Manufacturer	Model	Serial No.	Power source
AC/DC Adapter	Foshan Shunde Guanyuda Power Supply Co., Ltd.	GM60-150300-F	-	DC 15 V

2.2. Frequency/channel operations

This device contains the following capabilities:

NFC

Frequency (MHz)
13.56

Table 2.2.1. NFC mode

3. Antenna requirement

Requirement of FCC part section 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 transmitter has permanently attached PCB Loop Antenna (internal antenna) on board.

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4. Summary of tests

FCC Part section(s)	Parameter	Test results
15.225(a)	In-band Fundamental Emission	Pass
15.225(b)	In-band Spurious Emission	Pass
15.225(c)	In-band Spurious Emission	Pass
15.225(d) 15.209	Out-of-band Spurious Emission	Pass
15.225(e)	Frequency Stability Tolerance	Pass
15.215(c)	20 dB Bandwidth	Pass
-	Occupied Bandwidth	Pass
15.207(a)	AC Conducted emissions	Pass

Notes:

- These tests were performed other than open field site, adequate comparison measurements were confirmed against 30 m open field 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.
- The fundamental of the EUT was investigated in three orthogonal orientations X, Y, Z It was determined that Y orientation was worst-case orientation. Therefore, all final radiated testing was performed with the EUT in Y orientation
- The test procedure(s) in this report were performed in accordance as following.
 - ANSI C63.10-2013
- The radiated test was performed with and without passive tag.
The test results shown in the following sections represent the worst case emissions.
* Worst Case : With passive tag

5. Measurement uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.10-2013.

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.

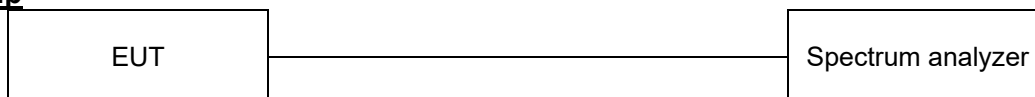
Parameter	Expanded uncertainty ($\pm$)	
Radiated spurious emissions	9 kHz ~ 30 MHz	0.7 dB
	30 MHz ~ 300 MHz	5.4 dB
	300 MHz ~ 1 000 MHz	5.5 dB
	1 GHz ~ 6 GHz	6.4 dB
	Above 6 GHz	6.6 dB
Conducted emissions	9 kHz ~ 150 kHz	3.7 dB
	150 kHz ~ 30 MHz	3.3 dB

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6. Test results

6.1. 20 dB Bandwidth & 99% Bandwidth

Test setup



Limit

According to §15.215(c) Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that the 20 dB Bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

Test procedure

ANSI C63.10-2013 - Section 6.9.2

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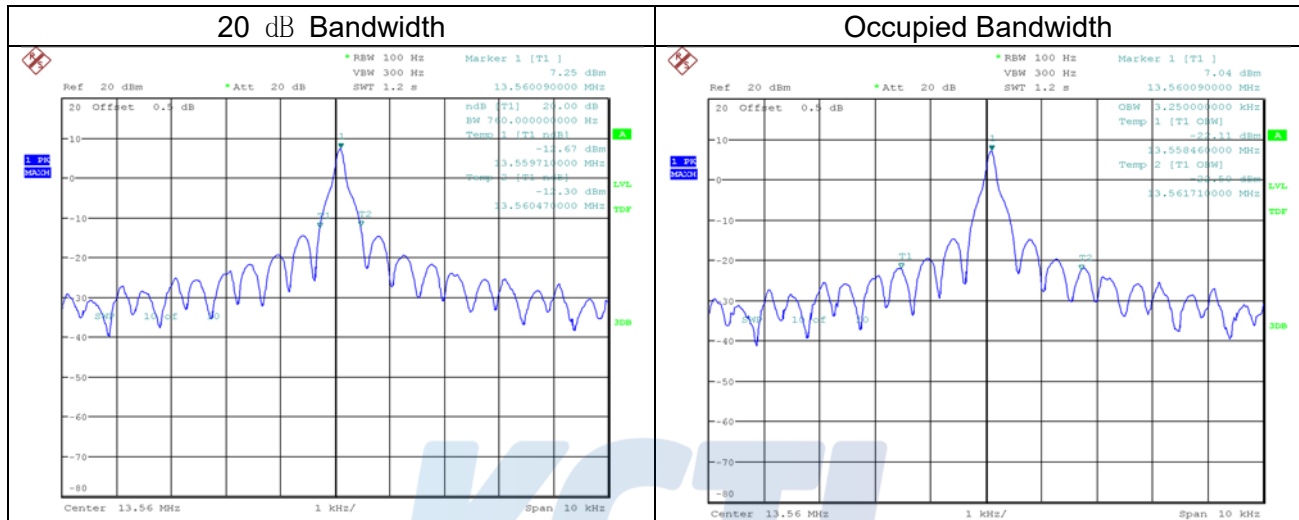
Test settings

The occupied bandwidth is measured as the width of the spectral envelope of the modulated signal, at an amplitude level reduced from a reference value by a specified ratio (or in decibels, a specified number of dB down from the reference value). Typical ratios, expressed in dB, are -6 dB, -20 dB, and -26 dB, corresponding to 6 dB BW, 20 dB BW, and 26 dB BW, respectively. In this subclause, the ratio is designated by “-xx dB.” The reference value is either the level of the unmodulated carrier or the highest level of the spectral envelope of the modulated signal, as stated by the applicable requirement. Some requirements might specify a specific maximum or minimum value for the “-xx dB” bandwidth; other requirements might specify that the “-xx dB” bandwidth be entirely contained within the authorized or designated frequency band.

- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency.
- b) Span: Two times and five times the OBW.
- c) RBW = 1 % to 5 % of the OBW and VBW $\geq 3 \times$ RBW
- d) Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation.
- e) The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “-xx dB down” requirement; that is, if the requirement calls for measuring the -20 dB OBW, the instrument noise floor at the selected RBW shall be at least 30 dB below the reference value.
- f) Detector: peak
- g) Trace mode: max hold.
- h) Allow the trace to stabilize.
- i) Determine the “-xx dB down amplitude” using ((reference value) - xx). Alternatively, this calculation may be made by using the marker-delta function of the instrument.
- j) If the reference value is determined by an unmodulated carrier, then turn the EUT modulation ON, and either clear the existing trace or start a new trace on the spectrum analyzer and allow the new trace to stabilize. Otherwise, the trace from step g) shall be used for step j)
- k) Place two markers, one at the lowest frequency and the other at the highest frequency of the envelope of the spectral display, such that each marker is at or slightly below the “-xx dB down amplitude” determined in step h). If a marker is below this “-xx dB down amplitude” value, then it shall be as close as possible to this value. The occupied bandwidth is the frequency difference between the two markers. Alternatively, set a marker at the lowest frequency of the envelope of the spectral display, such that the marker is at or slightly below the “-xx dB down amplitude” determined in step h). Reset the marker-delta function and move the marker to the other side of the emission until the delta marker amplitude is at the same level as the reference marker amplitude. The marker-delta frequency reading at this point is the specified emission bandwidth.

Test results

Frequency [MHz]	20 dB Bandwidth [MHz]		Limit [MHz]	20 dB Bandwidth [kHz]	Occupied Bandwidth (99 % BW) [kHz]
13.56	Lowest Frequency	13.559 710	13.110 000	0.760	3.250
	Highest Frequency	13.560 470	14.010 000		

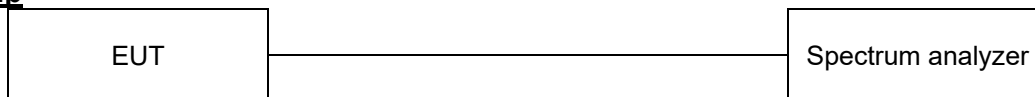


Note:

Because 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

6.2. Frequency tolerance

Test setup



Limit

15.225 (e), The frequency tolerance of the carrier signal shall be maintained within ± 0.01 % of the operating frequency over a temperature variation of -20 degrees to $+50$ degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85 % to 115 % of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.

Test procedure

ANSI C63.10-2013 - Section 6.8.1

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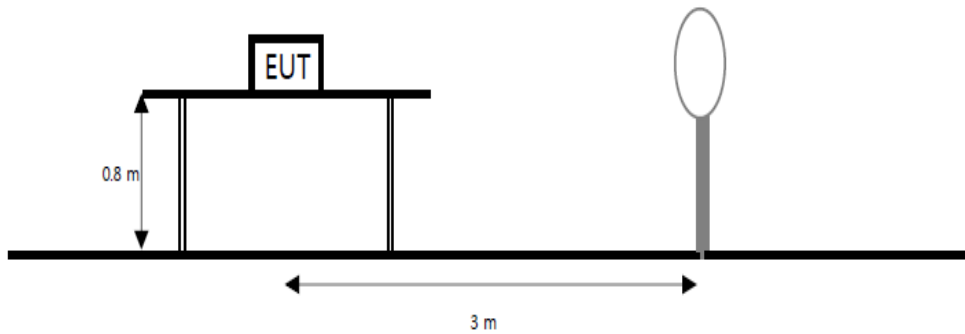
Test results

Voltage	Voltage	TEMP	Maintaining time	Measure frequency	Frequency deviation	Deviation
[%]	[V]	[°C]		[Hz]	[Hz]	[%]
100	15.00	20 (Ref.)	Startup	13 560 094	-94.0	0.000 69
			2 minutes	13 560 096	-96.0	0.000 71
			5 minutes	13 560 095	-95.0	0.000 70
			10 minutes	13 560 104	-104.0	0.000 77
		-20	Startup	13 560 224	-224.0	0.001 65
			2 minutes	13 560 228	-228.0	0.001 68
			5 minutes	13 560 221	-221.0	0.001 63
			10 minutes	13 560 225	-225.0	0.001 66
		-10	Startup	13 560 216	-216.0	0.001 59
			2 minutes	13 560 212	-212.0	0.001 56
			5 minutes	13 560 213	-213.0	0.001 57
			10 minutes	13 560 216	-216.0	0.001 59
		0	Startup	13 560 173	-173.0	0.001 28
			2 minutes	13 560 171	-171.0	0.001 26
			5 minutes	13 560 178	-178.0	0.001 31
			10 minutes	13 560 175	-175.0	0.001 29
		10	Startup	13 560 142	-142.0	0.001 05
			2 minutes	13 560 147	-147.0	0.001 08
			5 minutes	13 560 143	-143.0	0.001 06
			10 minutes	13 560 148	-148.0	0.001 09
		25	Startup	13 560 098	-98.0	0.000 72
			2 minutes	13 560 103	-103.0	0.000 76
			5 minutes	13 560 102	-102.0	0.000 75
			10 minutes	13 560 107	-107.0	0.000 79
		30	Startup	13 560 175	-175.0	0.001 29
			2 minutes	13 560 173	-173.0	0.001 28
			5 minutes	13 560 181	-181.0	0.001 34
			10 minutes	13 560 183	-183.0	0.001 35
		40	Startup	13 560 165	-165.0	0.001 22
			2 minutes	13 560 163	-163.0	0.001 20
			5 minutes	13 560 168	-168.0	0.001 24
			10 minutes	13 560 166	-166.0	0.001 22
		50	Startup	13 560 134	-134.0	0.000 99
			2 minutes	13 560 132	-132.0	0.000 97
			5 minutes	13 560 137	-137.0	0.001 01
			10 minutes	13 560 135	-135.0	0.001 00
85	12.75	20	Startup	13 560 108	-108.0	0.000 80
			2 minutes	13 560 106	-106.0	0.000 78
			5 minutes	13 560 104	-104.0	0.000 77
			10 minutes	13 560 109	-109.0	0.000 80
115	17.25	20	Startup	13 560 092	-92.0	0.000 68
			2 minutes	13 560 095	-95.0	0.000 70
			5 minutes	13 560 093	-93.0	0.000 69
			10 minutes	13 560 091	-91.0	0.000 67

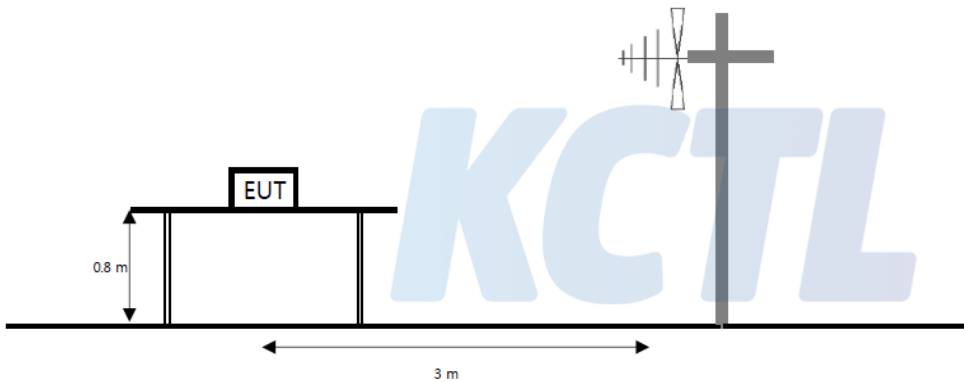
6.3. Radiated spurious emissions

Test setup

The diagram below shows the test setup that is utilized to make the measurements for emission from 9 kHz to 30 MHz Emissions



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz emissions.



Limit

15.225 (a), The field strength of any emission within the band 13.553-13.567 MHz shall not exceed 15, 848 microvolts/meter at 30 meters.

15.225 (b), Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.

15.225 (c), Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz, the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.

15.225 (d), The Field Strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in 15.209.

Frequency (MHz)	Field Strength ($\mu\text{V}/\text{m}$)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30(29.54 dB $\mu\text{V}/\text{m}$)	30
30.0-88.0	100(40 dB $\mu\text{V}/\text{m}$)	3
88-216	150(43.5 dB $\mu\text{V}/\text{m}$)	3
216-960	200 (46 dB $\mu\text{V}/\text{m}$)	3
Above 960	500 (53.98 dB $\mu\text{V}/\text{m}$)	3

Test procedure

ANSI C63.10-2013 - Section 6.4, 6.5

Test settings

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in table
3. VBW $\geq 3 \times$ RBW
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

Table. RBW as a function of frequency

Frequency	RBW
9 kHz to 150 kHz	200 Hz to 300 Hz
0.15 MHz to 30 MHz	9 kHz to 10 kHz
30 MHz to 1 000 MHz	100 kHz to 120 kHz
> 1 000 MHz	1 MHz

Notes:

1. $f < 30$ MHz, extrapolation factor of 40 dB/decade of distance. $F_d = 40 \log(D_m/D_s)$
 $f \geq 30$ MHz, extrapolation factor of 20 dB/decade of distance. $F_d = 20 \log(D_m/D_s)$
 Where:
 F_d = Distance factor in dB
 D_m = Measurement distance in meters
 D_s = Specification distance in meters
2. Measurements were performed at 3m and the data was extrapolated to the specified measurement distance of 30m using the square of an inverse linear distance extrapolation factor (40 dB/decade) as specified in § 15.31(f)(2). Extrapolation Factor = $40 \log_{10}(30/3) = 40$ dB.
3. (dB) = Antenna factor(dB/m) + Cable loss(dB) + or Amp. gain(dB) + or F_d (dB)
4. Result = Reading + Cable loss + Amp gain + Ant. factor - Distance factor
5. The worst-case emissions are reported however emissions whose levels were not within 20 dB of respective limits were not reported.
6. All measurements were recorded using a spectrum analyzer employing a quasi-peak detector.
7. Below 30 MHz frequency range, all orientations about parallel, perpendicular, and ground-parallel were investigated then reported and the worse orientations of Face-on and Face-off were set for final test.
8. Face-on = Parallel, Face-off = Perpendicular

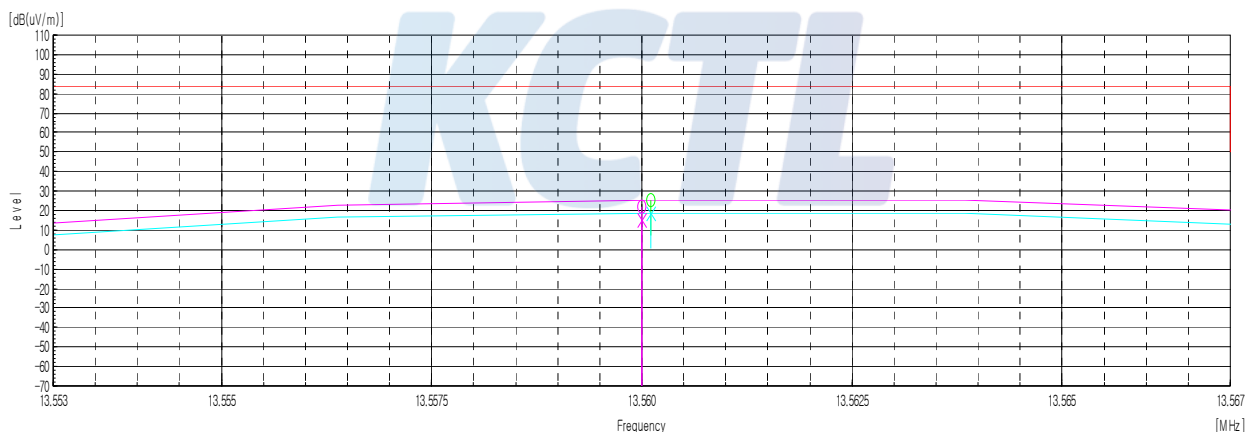
Test results for fundamental**15.225 (a) 13.553-13.567 MHz**

[Face-on]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Quasi peak data							
13.56	72.60	20.27	-31.12	40.00	21.75	84.00	62.25

[Face-off]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Quasi peak data							
13.56	66.30	20.27	-31.12	40.00	15.45	84.00	68.55

Face-on/Face-off

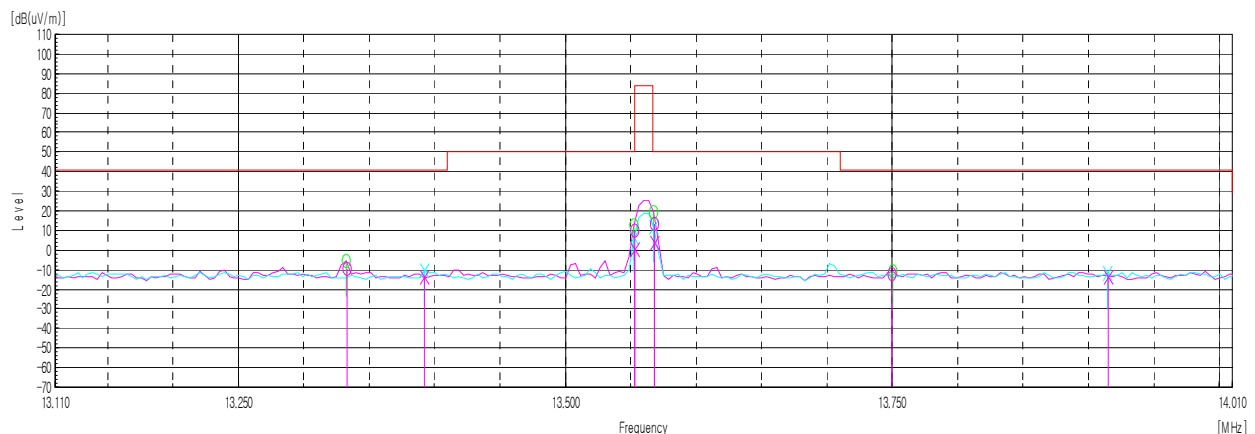
Test results for in-band & out-band (9 kHz to 30 MHz)**15.225 (b,c) 13.110-14.010 MHz**

[Face-on]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Quasi peak data							
13.33	41.30	20.27	-31.14	40.00	-9.57	40.50	50.07
13.55	60.50	20.27	-31.12	40.00	9.65	50.50	40.85
13.57	64.10	20.27	-31.12	40.00	13.25	50.50	37.25
13.75	38.80	20.28	-31.10	40.00	-12.02	40.50	52.52

[Face-off]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Quasi peak data							
13.39	37.20	20.27	-31.13	40.00	-13.66	40.50	54.16
13.55	51.60	20.27	-31.12	40.00	0.75	50.50	49.75
13.57	54.90	20.27	-31.12	40.00	4.05	50.50	46.45
13.92	37.50	20.28	-31.07	40.00	-13.29	40.50	53.79

Face-on/Face-off

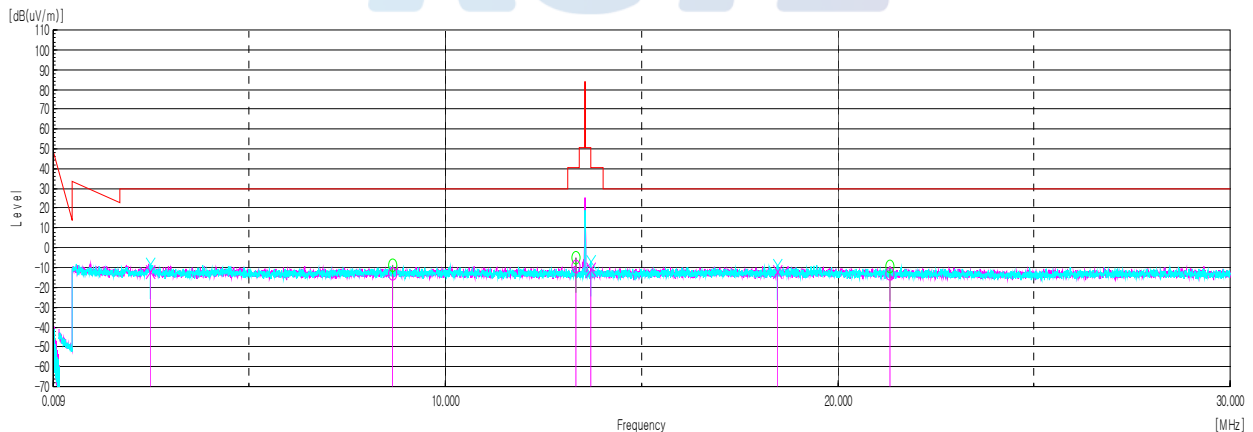
Test results (9 kHz to 30 MHz)**15.225 (d) 0.009-30 MHz**

[Face-on]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Quasi peak data							
8.66	38.40	20.23	-31.53	40.00	-12.90	29.50	42.40
13.33	41.30	20.27	-31.14	40.00	-9.57	40.50	50.07
21.33	36.90	20.78	-30.84	40.00	-13.16	29.50	42.66

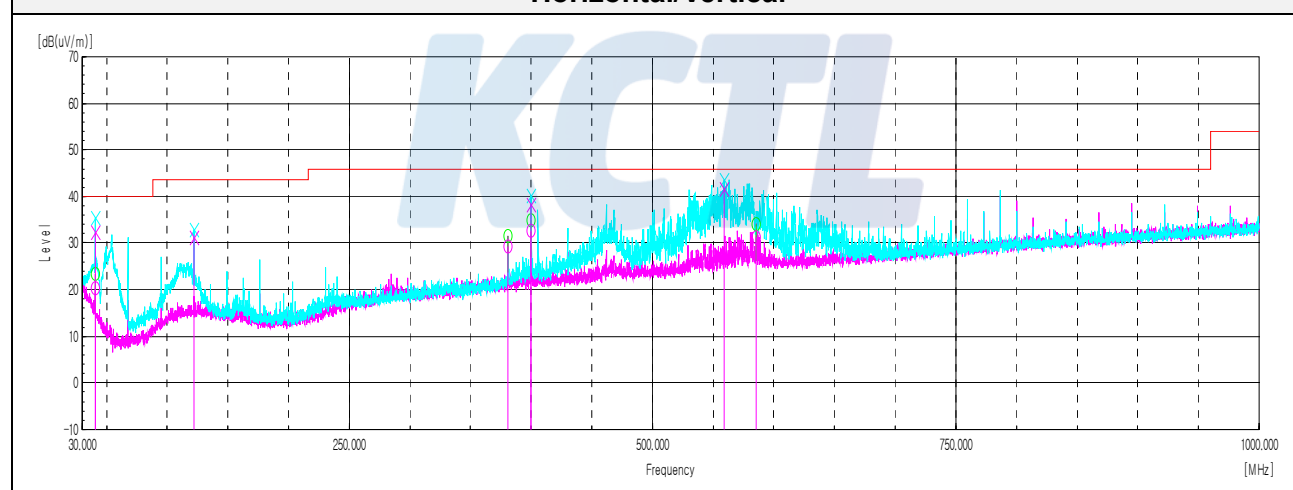
[Face-off]

Frequency	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Quasi peak data							
2.48	39.80	20.07	-31.96	40.00	-12.09	29.50	41.59
13.70	40.10	20.27	-31.10	40.00	-10.73	50.50	61.23
18.47	38.20	20.58	-30.94	40.00	-12.16	29.50	41.66

Face-on/Face-off

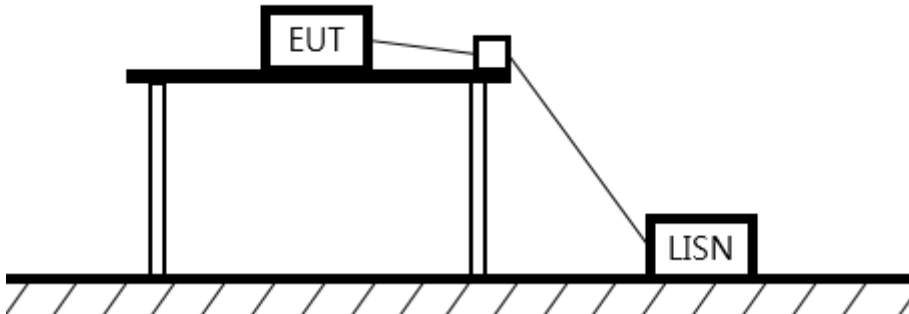
Test results (Below 1 000 MHz)**15.225 (d) 30-1 000 MHz**

Frequency	Pol.	Reading	Antenna Factor	Amp. + Cable	Distance Factor	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Quasi peak data								
40.67	H	31.30	19.32	-30.31	-	20.31	40.00	19.69
40.67	V	43.50	19.32	-30.31	-	32.51	40.00	7.49
122.03	V	41.70	18.40	-28.85	-	31.25	43.50	12.25
380.90	H	33.70	21.14	-26.01	-	28.83	46.00	17.17
400.06	H	36.40	22.10	-25.85	-	32.65	46.00	13.35
400.06	V	41.90	22.10	-25.85	-	38.15	46.00	7.85
558.89	V	41.80	25.51	-24.59	-	42.72	46.00	3.28
585.46	H	30.80	25.05	-24.39	-	31.46	46.00	14.54

Horizontal/Vertical

6.4. AC Conducted emission

Test setup



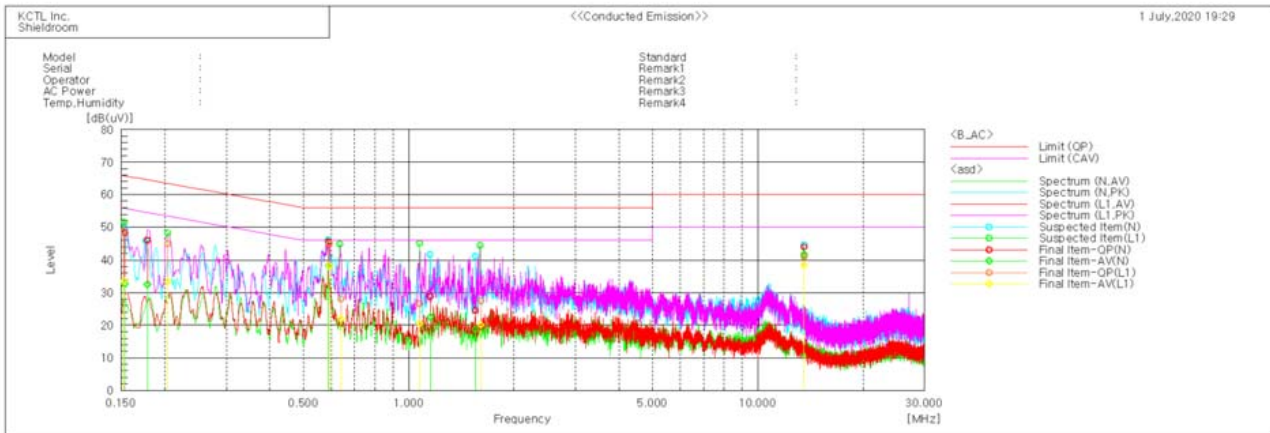
Limit

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 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohm line impedance stabilization network (LISN). Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequencies ranges.

Frequency of Emission (MHz)	Conducted limit (dB μ V/m)	
	Quasi-peak	Average
0.15 – 0.50	66 - 56*	56 - 46*
0.50 – 5.00	56	46
5.00 – 30.0	60	50

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 Ω /50 μ 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.

Test results

Final Result

--- N Phase ---

No.	Frequency	Reading	Reading	c.f	Result	Result	Limit	Limit	Margin	Margin
	[MHz]	OP	CAV		OP	CAV	OP	AV	OP	CAV
		[dB(uV)]	[dB(uV)]		[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB]	[dB]
1	0.15378	38.5	22.8	9.8	48.3	32.6	65.8	55.8	17.5	23.2
2	0.17843	35.9	22.4	10.1	45.0	32.5	64.6	54.6	18.6	22.1
3	0.58976	35.8	28.6	9.8	45.6	38.4	56.0	46.0	10.4	7.6
4	1.15279	19.1	12.9	9.7	28.8	22.6	56.0	46.0	27.2	23.4
5	1.55262	14.9	9.0	9.7	24.6	18.7	56.0	46.0	31.4	27.3
6	13.55986	34.2	31.7	9.9	44.1	41.6	60.0	50.0	15.9	8.4

--- L1 Phase ---

No.	Frequency	Reading	Reading	c.f	Result	Result	Limit	Limit	Margin	Margin
	[MHz]	OP	CAV		OP	CAV	OP	AV	OP	CAV
		[dB(uV)]	[dB(uV)]		[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB]	[dB]
1	0.1525	38.9	23.7	9.8	48.7	33.5	65.9	55.9	17.2	22.4
2	0.2037	35.2	23.5	9.9	45.1	33.4	63.5	53.5	18.4	20.1
3	0.53204	35.2	28.4	9.8	45.0	38.2	56.0	46.0	11.0	7.8
4	0.63849	18.2	12.2	9.8	28.0	22.0	56.0	46.0	28.0	24.0
5	1.07409	16.8	10.9	9.7	26.5	20.6	56.0	46.0	29.5	25.4
6	1.60707	17.7	10.5	9.7	27.4	20.2	56.0	46.0	28.6	25.8
7	13.56013	31.1	28.4	9.9	41.0	38.3	60.0	50.0	19.0	11.7

7. Measurement equipment

Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
Spectrum Analyzer	R&S	FSG13	100051	20.09.26
Signal Generator	R&S	SMB100A	176206	21.01.21
Vector Signal Generator	R&S	SMBV100A	1407.6004K02	20.07.31
Temp & Humid Chamber	Myeongseong R&P	CTHC-50P-DT	20150824-3	20.12.24
EMI Test Receiver	R&S	ESCI7	100732	20.08.22
Loop Antenna	R&S	HFH2-Z2	100355	20.08.24
Bilog Antenna	TESEQ	CBL 6112D	37876	20.07.20
ATTENUATOR	Agilent	8491B	MY39270292	20.07.20
Amplifier	SONOMA	310N	284608	20.08.22
Antenna Mast	Innco Systems	MA4000-EP	303	-
Turn Table	Innco Systems	DT2000	79	-
EMI TEST RECEIVER	ESCI	100710	R&S	20.08.22
TWO-LINE V-NETWORK	ENV216	101584	R&S	21.04.06
TWO-LINE V-NETWORK	NNLK8121	8121-472	SCHWARZBECK	20.08.23

End of test report