TEST REPORT



CTK Co., Ltd.

(Ho-dong), 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea Tel: +82-31-339-9970

Fax: +82-31-624-9501

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1. Client

∘ Name : KAONMEDIA Co., Ltd.

· Address: KAONMEDIA Building, 884-3 Seongnam-daero, Bundang-gu, Seongnam-si,

Gyeonggi-do, Korea

Date of Receipt: 2018-02-14

2. Manufacturer

• Name : KAONMEDIA Co., Ltd.

· Address: KAONMEDIA Building, 884-3 Seongnam-daero, Bundang-gu, Seongnam-si,

Gyeonggi-do, Korea

3. Use of Report: For FCC Certification

4. Test Sample / Model: Layer3 TV / Client VM3000C

5. Date of Test: 2018-04-06 to 2018-04-12

6. Test Standard(method) used: FCC 47 CFR part 15 subpart C 15.247

7. Testing Environment: Temp.: (25 ± 5) °C, Humidity: (46 ± 3) % R.H.

8. Test Results: Compliance

The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.

Affirmation	Tested by	Technical Manager
	Ji-Hye Kim: (Signati re)	Won-Jae, Hwang: (9ignature)

2018-04-13

Republic of KOREA CTK Co., Ltd.



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REPORT REVISION HISTORY

Date	Revision	Page No
2018-04-13	Issued (CTK-2018-00982)	all

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1. General Product Description

1.1 Client Information

Company	KAONMEDIA Co., Ltd.
Contact Point KAONMEDIA Building, 884-3 Seongnam-daero, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea	
Contact Person	Name : Kim tae-Sung E-mail : kkam@kaonmedia.com Tel : +82-31-724-8861

1.2 Product Information

FCC ID	WQTVM3000C
Product Description	Layer3 TV
Model name	Client VM3000C
Variant Model name	-
Operating Frequency	2 402 MHz – 2 480 MHz
RF Output Power	8.110 dBm (6.471 mW)
Antenna Specification	Antenna type : Chip Antenna Peak Gain : 1.99 dBi
Type of Modulation	GFSK(Bluetooth4.0 - LE)
Power Source	DC 12 V (Adapter)
Hardware Rev	V0.3
Software Rev	V1.0

1.3 Peripheral Devices

Device Manufacturer		Model No.	Serial No.
Note Computer	HP	15-bs563TU	CND7253R6N
AC/DC Adapter	HP	HSTNN-CA40	-
Switching Power Adapter	I.T.E POWER SUPPLY ALSO LISTED	MSA-Z3330IC12.0- 48W-P	-



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2. Facility and Accreditations

2.1 Test Facility

The measurement facility is located at (Ho-dong), 113, Yejik-ro, Cheoin-gu, Yong-in-si, Gyeonggi-do, Korea.

2.2 Laboratory Accreditations and Listings

Country	Agency	Scope of Accreditation	Registration Number	Logo
USA	FCC	FCC Part 15 & 18 EMI (Electromagnetic Interference / Emission)	805871	FC
CANADA	ISED	ISED EMI (3/10m test site)	8737A-2	*
JAPAN	VCCI	VCCI V-3 EMI (Electromagnetic Interference / Emission)	C-986 T-1843 R-3627 G-387	
KOREA	MSIP	EMI (Electromagnetic Interference / Emission) EMS (Electromagnetic Susceptibility / Immunity)	KR0025	M

2.3 Calibration Details of Equipment Used for Measurement

Test equipment and test accessories are calibrated on regular basis. The maximum time between calibrations is one year or what is recommended by the manufacturer, whichever is less. All test equipment calibrations are traceable to the Korea Research Institute of Standards and Science (KRISS), therefore, all test data recorded in this report is traceable to KRISS.



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3. Test Specifications

3.1 Standards

FCC Part Section(s)	Requirement(s)	Limit	Status (Note 1)	Test Condition
15.247(a)	6 dB Bandwidth	> 500 kHz	С	
15.247(b)	Maximum Output Power	< 1 Watt	С	
15.247(d)	Conducted Spurious emission	> 20 dBc	С	Conducted
15.247(d)	Band Edge	> 20 dBc	С	
15.247(e)	Transmitter Power Spectral Density	< 8 dBm @ 3 kHz	С	
15.209	Field Strength of Harmonics	15.209(a)	С	Radiated
15.207	AC Conducted Emissions	15.207(a)	С	Line Conducted
Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable				

Note 2: The data in this test report are traceable to the national or international standards.

Note 3: The sample was tested according to the following specification: FCC Part 15.247, ANSI C63.10-2013

Note 4: The tests were performed according to the method of measurements prescribed in KDB No.558074.



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3.2 Mode of operation during the test

The EUT is operated in a manner representative of the typical of the equipments. During at testing, system components were manipulated within the confines of typical usage to maximize each emission. All modulation modes were tests. The results are only attached worst cases.

Test Frequency

Lowest channel	Middle channel	Highest channel	
2 402 MHz	2 440 MHz	2 480 MHz	

Test mode

Modulation	Duty Cycle	
GFSK	85.5%	

3.3 Device Modifications

The following modifications were necessary for compliance:

Not applicable

3.4 Maximum Measurement Uncertainty

The value of the measurement uncertainty for the measurement of each parameter. Coverage factor k = 2, Confidence levels of 95 %

Description	Uncertainty
Conducted RF Output Power	± 1.5 dB
Power Spectral Density	± 1.5 dB
Occupied Bandwidth	± 0.1 MHz
Unwanted Emission(conducted)	± 3.0 dB
Radiated Emissions (f ≤ 1 GHz)	± 4.0 dB
Radiated Emissions (f > 1 GHz)	± 5.0 dB

3.5 Test Software

Conducted Test	Ics Pro Ver. 6.0.3
Radiated Test	TOYO EMI software EP5RE Ver. 5.1.0
Line Conducted Test	ESCI7, ESCI3: EMC32 Ver. 8.50.0 ESR7: EMC32 Ver. 8.53.0



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4. Technical Characteristic Test

4.1 6dB Bandwidth

Test Procedures

ANSI C63.10-2013 6.9.2

Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Test Procedures

ANSI C63.10-2013 6.9.3

The occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers are each equal to 0.5% of the total mean power of the given emission.

Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

Test Settings:

Center frequency = the highest, middle and the lowest channels

a) RBW = 100 kHz

b) $VBW \ge 3 \times RBW$

c) Detector = peak

d) Trace mode = Max hold

- e) Sweep = auto couple
- f) Allow trace to fully stabilize
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Minimum Standard:

6 dB Bandwidth > 500kHz



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Test Data:

Frequency (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	Result	
2 402	0.673	1.082	Complies	
2 440	0.674	1.084	Complies	
2 480	0.687	1.084	Complies	

See next pages for actual measured spectrum plots.

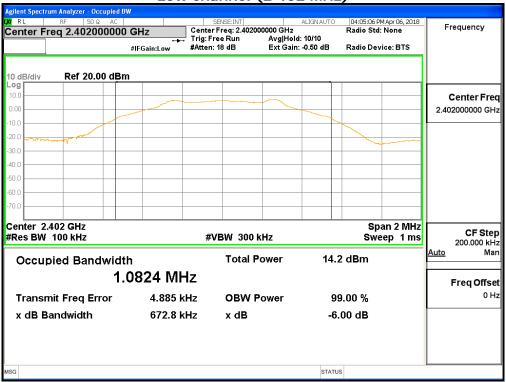


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6dB Bandwidth & 99% Bandwidth Low channel (2 402 MHz)



Middle channel (2 440MHz) gilent Spectrum Analyzer - Occupied BW | SENSE:INT | ALIGN AUTO
| Center Freq: 2.440000000 GHz
| Trig: Free Run | Avg|Hold: 10/10 |
#Atten: 18 dB | Ext Gain: -0.50 dB 04:07:32 PM Apr 06, 2018 Radio Std: None Center Freq 2.440000000 GHz Frequency Radio Device: BTS Ref 20.00 dBm 10 dB/div Center Freq 0.00 2.440000000 GHz Center 2.44 GHz #Res BW 100 kHz Span 2 MHz CF Step 200.000 kHz **#VBW** 300 kHz Sweep 1 ms Man **Total Power** 14.8 dBm Occupied Bandwidth 1.0843 MHz Freq Offset 7.297 kHz **Transmit Freq Error OBW Power** 99.00 % 674.1 kHz x dB Bandwidth x dB -6.00 dB STATUS

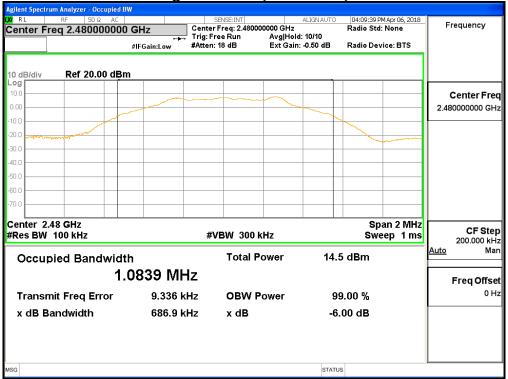


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High channel (2 480 MHz)





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4.2 Maximum peak Conducted Output Power

Test Procedures

Procedure 9.1.1 in KDB 558074

Maximum Peak Output Power from the EUT were measured according to the dictates power measurement procedure in section 9.1.1 of KDB 558074.

This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.

<u>Test Settings:</u>

Center frequency = the highest, middle and the lowest channels

a) RBW ≥ DTS bandwidth

b) VBW \geq 3 x RBW

c) span \geq 3 x RBW

d) Sweep time = auto couple

e) Detector = peak

f) Trace mode= max hold

- g) Allow trace to fully stabilize
- h) Use peak marker function to determine the peak amplitude level.

Limit:

Maximum Output Power < 1 W (30 dBm)

Test Data:

Fraguerov.	Maximum peak Conducted Output Power					
Frequency (MHz)	Output power (dBm)	Output power (mW)	Result			
2 402	7.483	5.601	Complies			
2 440	8.110	6.471	Complies			
2 480	7.884	6.143	Complies			

See next pages for actual measured spectrum plots.

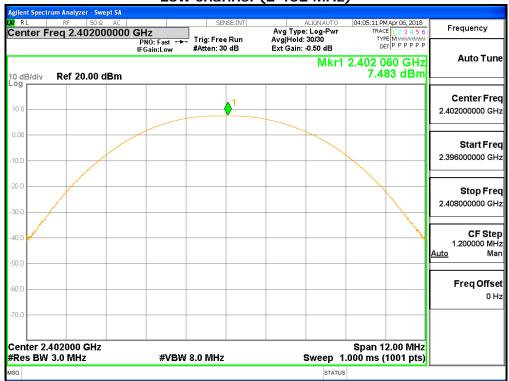


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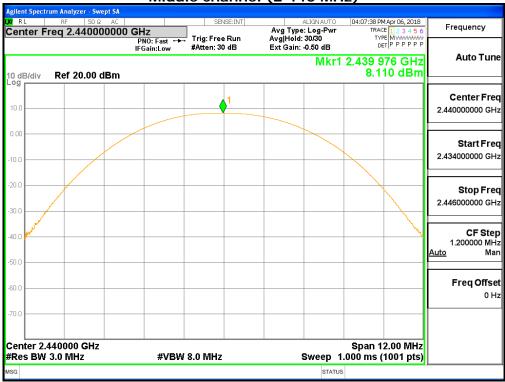
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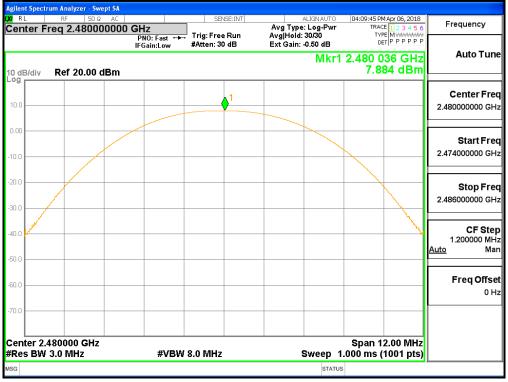


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High channel (2 480 MHz)





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4.3 Transmitter Power Spectral Density

Test Procedures

Procedure 10.2 in KDB 558074, Method Peak PSD

Power Spectral Density from the EUT were measured according to the dictates PKPSD measurement procedure in 10.2 of KDB 558074.

This procedure shall be used if maximum peak conducted output power was used to demonstrate compliance.

<u>Test Settings:</u>

Center frequency = the highest, middle and the lowest channels

a) RBW : $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$

b) VBW \geq 3 x RBW

c) span $\geq 1.5 \times DTS$ bandwidth

d) Sweep time = auto couple

e) Detector = peak

f) Trace mode= max hold

g) Allow trace to fully stabilize

h) Use the peak marker function to determine the maximum amplitude level within the RBW.

Limit:

Power Spectral Density < 8dBm @ 3 kHz BW

Test Data:

Frequency	Power Spectral Density			
(MHz)	dBm	Result		
2 402	-8.761	Complies		
2 440	-7.393	Complies		
2 480	-7.926	Complies		

See next pages for actual measured spectrum plots.

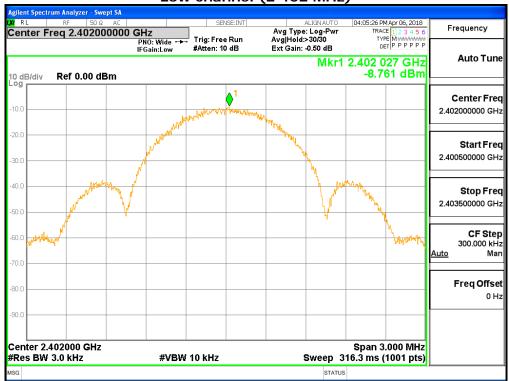


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Middle channel (2 440 MHz)

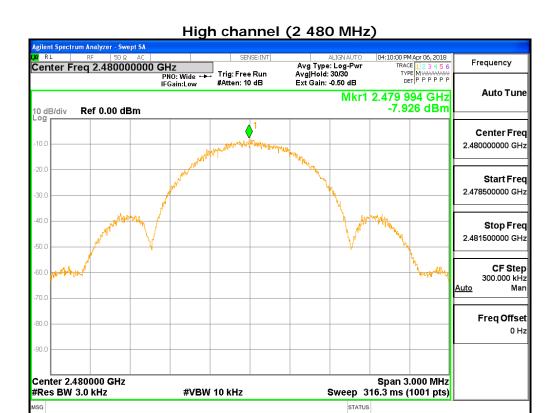




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4.4 Band Edge & Conducted Spurious emission

Test Procedures

The Unwanted emission from the EUT were measured according to the dictates PKPSD measurement procedure in section 11.11 of ANSI C63.10-2013.

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

Test Settings:

Center frequency = the highest, middle and the lowest channels

a) RBW = 100 kHz

b) VBW \geq 3 x RBW

c) Detector = peak

d) Sweep time = auto couple

- e) Trace mode= max hold
- f) Allow trace to fully stabilize
- g) Use the peak marker function to determine the maximum amplitude level.

Limit :

Emission level < 20 dBc

Test results: Complies

- All conducted emission in any 100kHz bandwidth outside of the spread spectrum band was at least 20dB lower than the highest in-band spectral density. Therefore the applying equipment meets the requirement.

See next pages for actual measured spectrum plots.



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Band-edge







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Conducted Spurious emission

Low channel (2 402 MHz)









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High channel (2 480 MHz) 04:12:01 PM Apr 06, 2018

TRACE 1 2 3 4 5 6

TYPE M WWWWW DET P P P P P P Frequency Avg Type: Log-Pwr Avg|Hold:>30/30 Ext Gain: -0.50 dB Start Freq 30.000000 MHz Trig: Free Run #Atten: 22 dB PNO: Fast 🖵 IFGain:Low Mkr1 1.478 GHz -44.766 dBm Auto Tune 10 dB/div Ref 12.50 dBm Center Freq 12.515000000 GHz Start Freq -13.29 dE 30.000000 MHz Stop Freq 25.000000000 GHz **CF Step** 2.497000000 GHz <u>uuto</u> Man <u>Auto</u> Freq Offset 0 Hz Stop 25.00 GHz Sweep 2.386 s (1001 pts) Start 30 MHz #Res BW 100 kHz

STATUS

#VBW 300 kHz



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4.5 Field Strength of Harmonics

ıе	st Location			
\boxtimes	10 m SAC (test distance : ☐ 10 m,	\boxtimes	3	m)
\boxtimes	3 m SAC (test distance : 3 m)			

Test Procedures

- 1) In the frequency range of 9 kHz to 30 MHz, magnetic field is measured with Loop Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.
- 2) In the frequency rage above 30 MHz, Bi-Log Test Antenna(30 MHz to 1 GHz) and Horn Test Antenna(above 1 GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is carried from 1m to 4m above the ground to determine the maximum value of the field strength. The emissions levels at both horizontal and vertical polarizations should be tested.

Test Settings:

Frequency Range = $9 \text{ kHz} \sim 1 \text{ GHz}$

- a) RBW = 100 kHz for f < 1 GHz, 9 kHz for f < 30 MHz
- b) VBW ≥ RBW
- c) Detector = CISPR Quasi-peak
- d) Sweep time = auto couple

- Peak

Frequency Range = 1 GHz ~ 25 GHz (2.4 GHz 10th harmonic)

- a) RBW = 1 MHz
- b) VBW \geq 3 x RBW

c) Detector = Peak

d) Sweep time = auto

- e) Trace mode = max hold
- Average (duty cycle < 98%, duty cycle variations are less than $\pm 2\%$)

Frequency Range = 1 GHz ~ 25 GHz (2.4 GHz 10th harmonic)

- a) RBW = 1 MHz
- b) VBW \geq 3 x RBW

c) Detector = RMS

d) Sweep time = auto

- e) Averaging type = power (i.e., RMS)
- f) Trace mode = average (at least 100 traces)

A correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100 % duty cycle.

If power averaging (RMS) mode, then the applicable correction factor is $10 \log(1/x)$, where x is the duty cycle.

Duty cycle factor: 0.68 dB



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Limit:

FCC Part 15 § 15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	MHz	MHz	GHz
0.09-0.11	8.37626-8.38675	73-74.6	399.9-410	2690-2900	10.6-12.7
¹ 0.495-0.505	8.41425-8.41475	74.8-75.2	608-614	3260-3267	13.25-13.4
2.1735-2.1905	12.29-12.293	108-121.94	960-1240	3332-3339	14.47-14.5
4.125-4.128	12.51975-12.52025	123-138	1300-1427	3345.8-3358	15.35-16.2
4.17725-4.17775	12.57675-12.57725	149.9-150.05	1435-1626.5	3600-4400	17.7-21.4
4.20725-4.20775	13.36-13.41	156.52475- 156.52525	1645.5-1646.5	4500-5150	22.01-23.12
6.215-6.218	16.42-16.423	156.7-156.9	1660-1710	5350-5460	23.6-24
6.26775-6.26825	16.69475-16.69525	162.0125-167.17	1718.8-1722.2	7250-7750	31.2-31.8
6.31175-6.31225	16.80425-16.80475	167.72-173.2	2200-2300	8025-8500	36.43-36.5
8.291-8.294	25.5-25.67	240-285	2310-2390	9000-9200	² Above 38.6
8.362-8.366	37.5-38.25	322-335.4	2483.5-2500	9300-9500	

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

§ 15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown is Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

² Above 38.6



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FCC Part 15 § 15.209 (a) Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table :

Frequency(MHz)	Field Strength uV/m@3m	Field Strength dBuV/m@3m	Deasurement Distance (meters)	
0.009-0.490	2400/F(kHz)	-	300	
0.490-1.705	24000/F(kHz)	-	30	
1.705-30	1.705-30 30		30	
30-88	100**	40	3	
88-216	150**	43.5	3	
216-960 200**		46	3	
Above 960	500	54	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 54-72MHz, 76-88MHz, 174-216MHz, 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g.15.231 and 15.241.

Note:

- 1) For above 1 GHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.
- 2) For above 1 GHz, limit field strength of harmonics : 54 dBuV/m@3m (AV) and 74 dBuV/m@3m (PK)
- 3) For measurement above 1GHz, the resolution bandwidth is set to 1 MHz and video bandwidth is set to 1 MHz for peak measurement and 10 Hz for average measurement.(Duty Cycle is > 98%,)

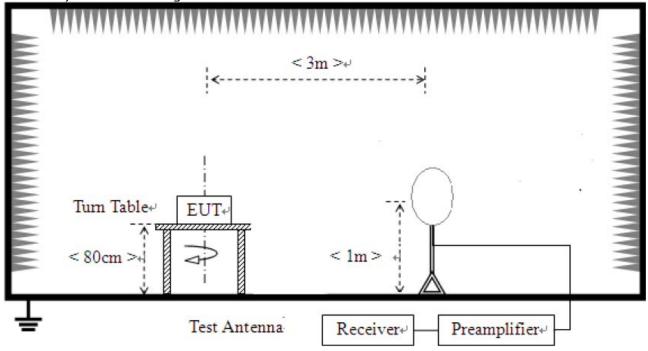


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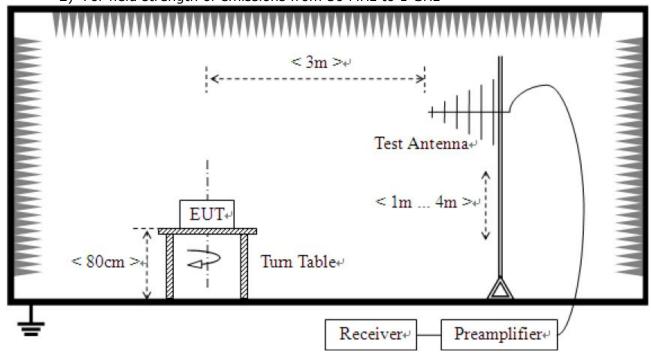
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Test Setup:

1) For field strength of emissions from 9 kHz to 30 MHz



2) For field strength of emissions from 30 MHz to 1 GHz



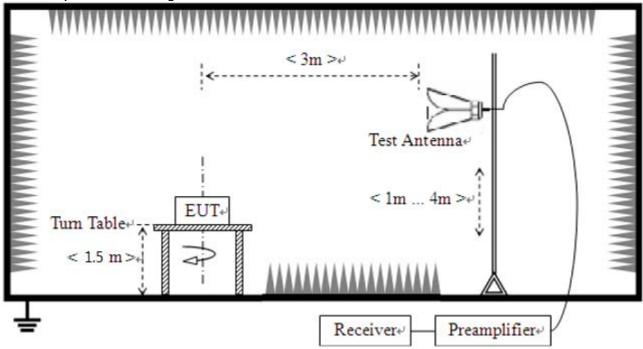


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3) For field strength of emissions above 1 GHz



Test results

1) 9 kHz to 30 MHz

The requirements are:

Comp	

Frequency (MHz)	Measured Data (dBuV/m)	Margin (dB)	Remark
-	-	-	See note

Note:

The amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB)



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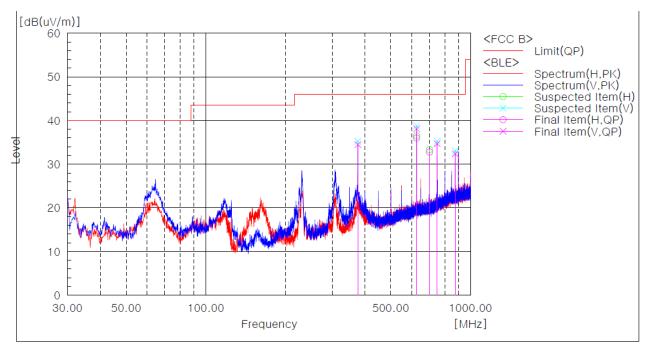
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2) 30 MHz to 1 GHz

Test mode: Low Channel (Worst Case)

The requirements are:

Test Data



Final Result

No.	Frequency	(P)	Reading QP	c.f	Result QP	Limit QP	Margin QP	Angle	Remark
	[MHz]		[dB(uV)]	[dB(1/m)]	[dB(uV/m)]	[dB(uV/m)]	[dB]	[deg]	
1	374.999	V	45.3	-10.8	34.5	46.0	11.5	4.3	
2	625.048	V	45.5	-7.4	38.1	46.0	7.9	1.9	
3	625.048	Н	43.4	-7.4	36.0	46.0	10.0	103.3	
4	699.990	Η	39.6	-6.8	32.8	46.0	13.2	357.6	
5	747.647	V	40.9	-6.2	34.7	46.0	11.3	38.2	
6	874.976	V	36.7	-4.3	32.4	46.0	13.6	5.1	

Remark:

- 1. The EUT was tested in three orientations in order to determine that "Z axis" was the worst case.
- 2. Result = Reading + c.f(Correction factor)
- 3. Correction factor = Antenna factor + Cable loss + 6 dB attenuator Amp Gain



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3) above 1 GHz

The requirements are:

Test Data

Low(2 402 MHz)

2011(2 102 1111	<u>-, </u>						
Frequency		Limit	Limit	Level	Level	Margin	Margin
	(P)	AV	PK	AV	PK	AV	PK
[MHz]		[dB(uV/m)]	[dB(uV/m)]	[dB(uV/m)]	[dB(uV/m)]	[dB]	[dB]
3 250.00	٧	54.00	74.00	44.24	47.97	9.76	26.03

Mid(2 440 MHz)

	1114(2 110 11112)							
	Frequency	(D)	Limit AV	Limit PK	Level AV	Level PK	Margin AV	Margin PK
		(P)		PK	AV	PK		
	[MHz]		[dB(uV/m)]	[dB(uV/m)]	[dB(uV/m)]	[dB(uV/m)]	[dB]	[dB]
_	3 250.00	V	54.00	74.00	44.36	48.42	9.64	25.58
	4 880.00	Н	54.00	74.00	37.34	44.86	16.66	29.14
_	4 880.00	V	54.00	74.00	36.80	44.25	17.20	29.75

High(2 480 MHz)

11g1(2 400 11112)								
	Frequency	(P)	Limit AV	Limit PK	Level AV	Level PK	Margin AV	Margin PK
	[MHz]		[dB(uV/m)]	[dB(uV/m)]	[dB(uV/m)]	[dB(uV/m)]	[dB]	[dB]
	3 250.00	V	54.00	74.00	44.16	48.44	9.84	25.56
	4 960.00	Н	54.00	74.00	38.97	45.99	15.03	28.01
	4 960.00	V	54.00	74.00	37.94	44.88	16.06	29.12
	2 483.50	Н	54.00	74.00	38.05	49.37	15.95	24.63

Remarks

1. The EUT was tested in three orientations in order to determine that "Z axis" was the worst case.



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4.6 AC Conducted Emissions

Frequency Range of Measurement 150 kHz to 30 MHz

Instrument Settings

IF Band Width: 9 kHz

Test Procedures

Module has been tested by mounting the End product(Printer).

The EUT was placed on a non-metallic table 0.8m above the metallic, grounded floor and 0.4m from the reference ground plane wall. The distance to other metallic surfaces was at least 0.8m.

Amplitude measurements were performed with a quasi-peak detector and an average detector.

Limit

- 15.207(a)

Fraguerov (MIII-)	Conducted Limit (dBuV)				
Frequency (MHz)	Quasi-peak	Average**			
0.15 ~ 0.5	66 to 56*	56 to 46*			
0.5 ~ 5	56	46			
5 ~ 30	60	50			

^{*} The level decreases linearly with the logarithm of the frequency.

Test Results

The requirements are:

^{**} A linear average detector is required.

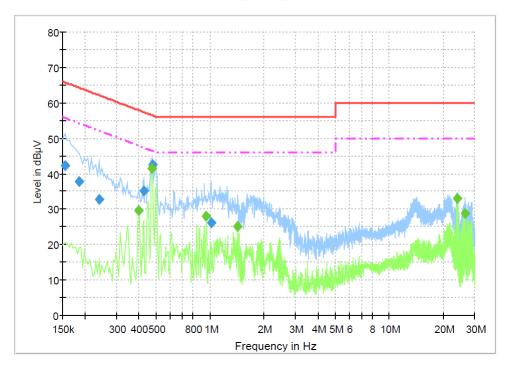


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Test Data

[LINE] 3CE_Class B_L1



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.154500	42.3	1000.0	9.000	On	L1	9.8	23.5	65.8
0.186000	37.8	1000.0	9.000	On	L1	9.8	26.4	64.2
0.240000	32.8	1000.0	9.000	On	L1	9.7	29.3	62.1
0.429000	35.1	1000.0	9.000	On	L1	10.0	22.1	57.3
0.478500	42.5	1000.0	9.000	On	L1	10.0	13.8	56.4
1.014000	26.2	1000.0	9.000	On	L1	9.8	29.8	56.0

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.397500	29.5	1000.0	9.000	On	L1	9.9	18.4	47.9
0.474000	41.5	1000.0	9.000	On	L1	10.0	4.9	46.4
0.951000	28.0	1000.0	9.000	On	L1	9.8	18.0	46.0
1.428000	25.2	1000.0	9.000	On	L1	9.7	20.8	46.0
24.000000	32.9	1000.0	9.000	On	L1	10.1	17.1	50.0
26.614500	28.9	1000.0	9.000	On	L1	10.2	21.1	50.0

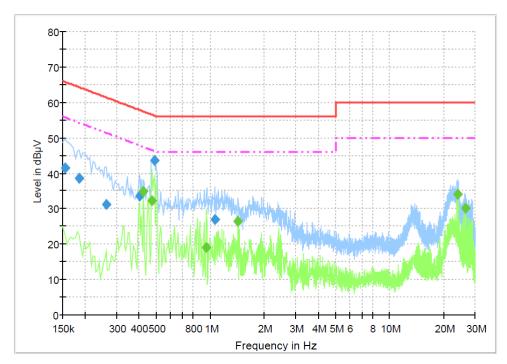


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[NEUTRAL]

3CE_Class B_N



Final Result 1

i iiidi i toodit i									
Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit	
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)	
		(ms)							
0.154500	41.5	1000.0	9.000	On	N	9.8	24.3	65.8	
0.186000	38.4	1000.0	9.000	On	N	9.9	25.8	64.2	
0.262500	31.3	1000.0	9.000	On	N	9.7	30.1	61.4	
0.402000	33.5	1000.0	9.000	On	N	9.9	24.3	57.8	
0.487500	43.5	1000.0	9.000	On	N	9.9	12.7	56.2	
1.059000	26.9	1000.0	9.000	On	N	9.8	29.1	56.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.424500	34.8	1000.0	9.000	On	N	9.9	12.5	47.4
0.474000	32.3	1000.0	9.000	On	N	9.9	14.2	46.4
0.951000	19.0	1000.0	9.000	On	N	9.8	27.0	46.0
1.428000	26.5	1000.0	9.000	On	N	9.8	19.5	46.0
24.000000	34.1	1000.0	9.000	On	N	10.2	15.9	50.0
26.452500	30.2	1000.0	9.000	On	N	10.2	19.8	50.0



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APPENDIX A – Test Equipment Used For Tests

	Name of Equipment	Manufacturer	Model No.	Serial No.	Cal Date	Due Date
1	Signal Analyzer	Agilent	N9020A	MY48011598	2017-11-01	2018-11-01
2	Signal Generator	Rohde & Schwarz	SMB100A	175528	2017-11-01	2018-11-01
3	EMI Test Receiver	Rohde & Schwarz	ESCI7	100814	2017-10-25	2018-10-25
4	Bilog Antenna	Schaffner	CBL6111C	2551	2016-05-13	2018-05-13
5	Active Loop Antenna	SCHWARZBECK	FMZB 1513	1513-125	2016-05-16	2018-05-16
6	6dB Attenuator	R&S	DNF	272.4110.50-2	2017-10-25	2018-10-25
7	AMPLIFIER	SONOMA	310	291721	2018-02-02	2019-02-02
8	EMI Test Receiver	Rohde & Schwarz	ESU40	100336	2017-05-12	2018-05-12
9	LISN	Rohde & Schwarz	ENV216	101760	2018-01-31	2019-01-31
10	Preamplifier	Agilent	8449B	3008A02011	2017-11-30	2018-11-30
11	Horn Antenna	ETS-Lindgren	3116	00062504	2017-12-04	2019-12-04
12	Horn Antenna	ETS-Lindgren	3117	00154525	2017-09-14	2019-09-14
13	Singnal Canditioning Unit	R&S	SCU-40	10023	2017-11-01	2018-11-01
14	Band Reject Filter	Micro Tronics	BRM50702	G233	2018-01-26	2019-01-26