

FCC Part 15
EMI TEST REPORT

of

E.U.T. : WIRELESS VIBRATING
DEVICE

FCC ID : XYUIGEN3

MODEL : I-GEN3

Working Frequency : 433.004 MHz

for

APPLICANT : I-GEN HEALTHCARE CORPORATION

ADDRESS : RM. 1003-5, 10/F., ALLIED KAJIMA
BLDG., 138 GLOUCESTER RD,
WANCHAI, Hong Kong.

Test Performed by

ELECTRONICS TESTING CENTER, TAIWAN

NO.34, LIN 5, DINGFU TSUEN, LINKOU SHIANG
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Report Number : 09-08-RBF-111-03

TEST REPORT CERTIFICATION

Applicant : I-GEN HEALTHCARE CORPORATION
RM. 1003-5, 10/F., ALLIED KAJIMA BLDG., 138
GLOURCESTER RD, WANCHAI, Hong Kong.

Manufacturer : I-GEN HEALTHCARE CORPORATION
RM. 1003-5, 10/F., ALLIED KAJIMA BLDG., 138
GLOURCESTER RD, WANCHAI, Hong Kong.

Description of EUT :

- a) Type of EUT : WIRELESS VIBRATING DEVICE
- b) Trade Name : ZOON
- c) Model No. : I-GEN3
- d) FCC ID : XYUIGEN3
- e) Working Frequency : 433.004 MHz
- f) Power Supply : Tx: DC 3.7 V Battery

Regulation Applied : FCC Rules and Regulations Part 15 Subpart C (2008)

I HEREBY CERTIFY THAT; The data shown in this report were made in accordance with the procedures given in ANSI C63.4 and the energy emitted by the device was founded to be within the limits applicable. I assume full responsibility for accuracy and completeness of these data.

Note : 1. The results of the testing report relate only to the items tested.
2. The testing report shall not be reproduced except in full, without the written approval of ETC.

Issued Date : Aug. 21, 2009

Test Engineer : Vincent Chang
(Vincent Chang, Engineer)

Check By : Charles Wang
(Charles Wang, Supervisor)

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1. GENERAL INFORMATION

1.1 Product Description

- a) Type of EUT : WIRELESS VIBRATING DEVICE
- b) Trade Name : ZOON
- c) Model No. : I-GEN3
- d) FCC ID : XYUIGEN3
- e) Working Frequency : 433.004 MHz
- f) Power Supply : Tx: DC 3.7 V Battery

1.2 Characteristics of Device:

This device is a transmitter of a wireless vibrating device.

1.3 Test Methodology

Both conducted and radiated testing was performed according to the procedures in chapter 13 of ANSI C63.4 (2003).

The Transmitter under test was operated continuously in its normal operating mode for the purpose of the measurements. In order to secure the continuous operation of the device under test, rewiring in the circuit was done by the manufacturer so as to affect its intended operation.

The receiving antenna polarized horizontally was varied from 1 to 4 meters and the wooden turntable was rotated through 360 degrees to obtain the highest reading on the field strength meter or on the display of the spectrum analyzer. And also, each emission was to be maximized by changing the orientation of the Transmitter under test.

In order to determining the average value during one pulse train of the radiated power generated from the Transmitter under test, the encoded wave form in the time domain was used.

1.4 Test Facility

The open area test site and conducted measurement facility used to collect the radiated data is located on the roof top of Building at NO.34, LIN 5, DINGFU TSUEN, LINKOU SHIANG TAIPEI COUNTY, TAIWAN, 24442, R.O.C.

This site has been fully described in a report submitted to your office, and accepted in a letter dated Aug. 05, 2008.

2. DEFINITION AND LIMITS

2.1 Definition

Intentional radiator:

A device that intentionally generates and emits radio frequency energy by radiation or induction.

2.2 Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42-16.423	399.9-410	4.5-5.15
0.495 - 0.505 **	16.69475 - 16.69525	608-614	5.35-5.46
2.1735 - 2.1905	16.80425 - 16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475 - 156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2655-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3360-4400	Above 38.6
13.36-13.41			

Remark “**”: Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

2.3 Limitation

(1) Conducted Emission Limits:

Except as shown in paragraphs (b) and (c) of this section, 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 150kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50μH/50 ohms 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.

Frequency MHz	Quasi Peak dB μ V	Average dB μ V
0.15 - 0.5	66-56*	56-46*
0.5 - 5.0	56	46
5.0 - 30.0	60	50

- Decreases with the logarithm of the frequency

(2) Radiated Emission Limits :

According to 15.231(a), Periodic operation in the band 40.66-40.70 MHz and above 70 MHz, except as shown in paragraph 15.231(e), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Frequency Band (MHz)	Field strength of Fundamental (uV/m)	Field strength of Spurious (uV/m)
40.66-40.70	2250	225
70-130	1250	125
130-174	*1,250 to 3,750	*125 to 375
174-260	3750	375
260-470	*3,750 to 12,500	*375 to 1250
Above 470	12500	1250

* Linear interpolations.

According to 15.231(e), Intentional radiators may operate at a periodic rate exceeding that specified in paragraph (a) and may be employed for any type of operation, including operation prohibited in paragraph (a), provided the intentional radiator complies with the provisions of paragraphs (b) through (d) of this Section, except the field strength table in paragraph (b) is replaced by the following:

Frequency Band (MHz)	Field strength of Fundamental (uV/m)	Field strength of Spurious (uV/m)
40.66-40.70	1,000	100
70-130	500	50
130-174	*500 to 1,500	*50 to 150
174-260	1,500	150
260-470	*1,500 to 5,000	*150 to 500
Above 470	5,000	500

* Linear interpolations

Field strength limits are at the distance of 3 meters, emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209, as following table:

Other Frequencies (MHz)	Field Strength of Fundamental	
	$\mu\text{V}/\text{meter}$	$\text{dB}\mu\text{V}/\text{meter}$
30 - 88	100	40.0
88 - 216	150	43.5
216 - 960	200	46.0
Above 960	500	54.0

As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20 dB under any condition of modulation.

(3) Limit of transmission time

According to 15.231(a),

- 1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released.
- 2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.
- 3) Periodic transmissions at regular predetermined intervals are not permitted. However, polling or supervision transmissions, including data, to determine system integrity of transmitters used in security or safety applications are allowed if the total duration of transmissions does not exceed more than two seconds per hour for each transmitter. There is no limit on the number of individual transmissions, provided the total transmission time does not exceed two seconds per hour.
- 4) Intentional radiators which are employed for radio control purposes during emergencies involving fire, security, and safety of life, when activated to signal an alarm, may operate during the pendency of the alarm condition.
- 5) Transmission of set-up information for security systems may exceed the transmission duration limits in paragraphs (a)(1) and (a)(2) of this section, provided such transmission are under the control of a professional installer and do not exceed ten seconds after a manually operated switch is released or a transmitter is activated automatically. Such set-up information may include data.

According to 15.231(e), devices operated under the provisions of this paragraph shall be provided with a means for automatically limiting operation so that the duration of each transmission shall not be greater than one second and the silent period between transmissions shall be at least 30 times the duration of the transmission but in no case less than 10 seconds.

2.4 Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device :

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

2.5 User Information

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

3 SYSTEM TEST CONFIGURATION

3.1 Justification

All measurement were intentional to maximum the emissions from EUT by varying the connection cables, therefore, the test result is sure to meet the applicable requirement.

3.2 Devices for Tested System

Device	Manufacture	Model / FCC ID.	Description
WIRELESS VIBRATING DEVICE*	I-GEN HEALTHCARE CORPORATION	I-GEN3/XYUIGEN3	0.3m Unshielded USB Cable

Remark “*” means equipment under test.

4. RADIATED EMISSION MEASUREMENT

4.1 Applicable Standard

For periodic operation intentional radiator, the radiated emission shall comply with § 15.231(b).

4.2 Measurement Procedure

A. Preliminary Measurement For Portable Devices

For portable devices, the following procedure was performed to determine the maximum emission axis of EUT:

1. With the receiving antenna is H polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
2. With the receiving antenna is V polarization, rotate the EUT in turns with three orthogonal axes to determine the axis of maximum emission.
3. Compare the results derived from above two steps. So, the axis of maximum emission from EUT was determined and the configuration was used to perform the final measurement.

B. Final Measurement

1. Setup the configuration per figure 1 and 2 for frequencies measured below and above 1 GHz respectively. Turn on EUT and make sure that it is in normal function.
2. For emission frequencies measured below 1 GHz, a pre-scan is performed in a shielded chamber to determine the accurate frequencies of higher emissions will be checked on a open test site. As the same purpose, for emission frequencies measured above 1 GHz, a pre-scan also be performed with a 1 meter measuring distance before final test.
3. For emission frequencies measured below and above 1 GHz, set the spectrum analyzer on a 100 kHz and 1 MHz resolution bandwidth respectively for each frequency measured in step 2.
4. The search antenna is to be raised and lowered over a range from 1 to 4 meters in horizontally polarized orientation. Position the highness when the highest value is indicated on spectrum analyzer, then change the orientation of EUT on test table over a range from 0 ° to 360 ° with a speed as slow as possible, and keep the azimuth that highest emission is indicated on the spectrum analyzer. Vary the antenna position again and record the highest value as a final reading. A RF test receiver is also used to confirm emissions measured.

5. Repeat step 4 until all frequencies need to be measured were complete.
6. Repeat step 5 with search antenna in vertical polarized orientations.
7. Check the three frequencies of highest emission with varying the placement of cables (if any) associated with EUT to obtain the worse case and record the result.

Figure 1 : Frequencies measured below 1 GHz configuration

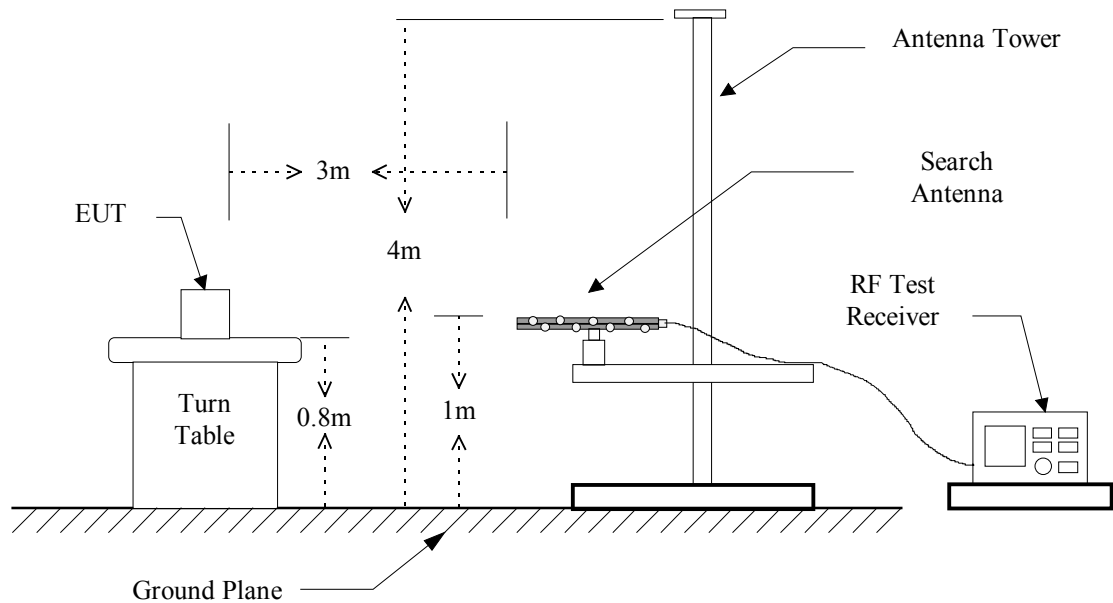
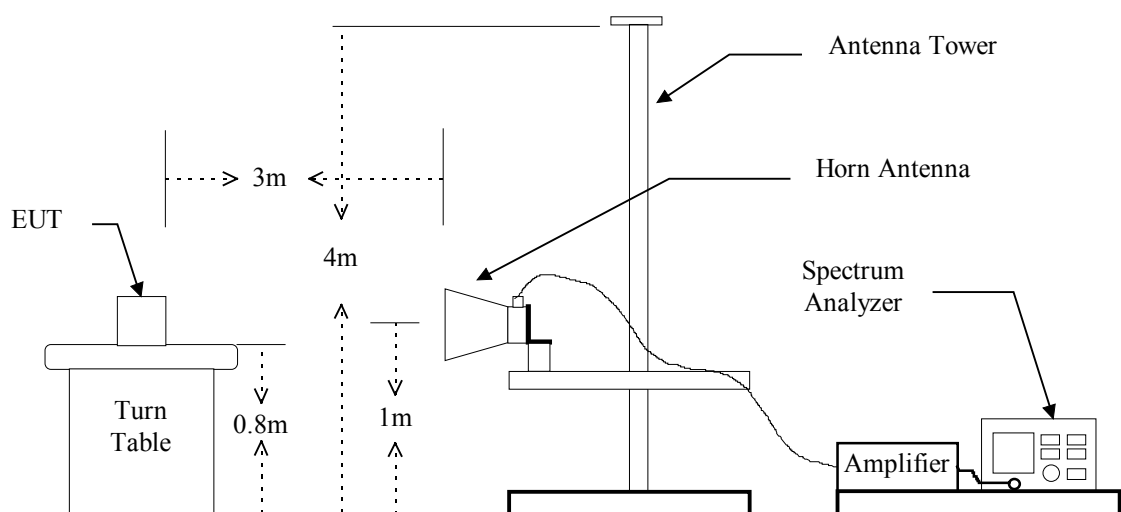


Figure 2 : Frequencies measured above 1 GHz configuration



4.3 Test Data

A. Fundanmental and Harmonic

Operation : Transmitting
Mode

Test Date : Nov. 20, 2008 Temperature : 25 °C Humidity 65 %

Frequency (MHz)	Ant Pol H/V	Reading (dBuV) Peak	Factor (dB)		Result @3m (dBuV/m)		Limit @3m (dBuV/m)		Margin (dB)	Table Degree (Deg.)	Ant. High (m)
			C	D	Peak	Ave.	Peak	Ave.			
434.004	H	63.6	-5.5	-5.9	58.1	52.2	100.8	80.8	-28.6	67	1.5
868.008	H	54.7	2.3	-5.9	57.0	51.1	80.8	60.8	-9.7	75	1.5
*1302.012	H/V	---	-8.4	-5.9	---	---	74.0	54.0	---	---	---
1736.016	H/V	---	-6.1	-5.9	---	---	80.8	60.8	---	---	---
2170.020	H/V	---	-4.0	-5.9	---	---	80.8	60.8	---	---	---
2604.024	H/V	---	-2.4	-5.9	---	---	80.8	60.8	---	---	---
3038.028	H/V	---	-1.1	-5.9	---	---	80.8	60.8	---	---	---
*3472.032	H/V	---	-0.1	-5.9	---	---	74.0	54.0	---	---	---
*3906.036	H/V	---	1.6	-5.9	---	---	74.0	54.0	---	---	---
*4340.040	H/V	---	2.0	-5.9	---	---	74.0	54.0	---	---	---

Note :

1. Factor C means “corrected”, and that includes antenna factor, cable loss, amplifier gain (if any). And Factor D means “Duty”, that is for calculating the average value and derived from section 3.6 in this test report.
2. Peak Result = Reading + C. Factor
Ave. Result = Peak Value + D Factor
3. “*” means the frequency fall in the restricted frequency band, and the limit of emission is referred to FCC class B
4. The limit for spurious emissions refers to FCC§15.231.
5. The expanded uncertainty of the radiated emission tests is 3.53 dB.

If the measured frequencies fall in the restricted frequency band, the limit employed is § 15.209 general requirement when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function, no duty factor applied.

B. Other Emission

a) Emission frequencies below 1 GHz

Operation Mode : TransmittingTest Date : Nov. 20, 2008Temperature : 25 °CHumidity: 65 %

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result @3m (dBuV/m)	Limit @3m (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (m)
43.140	V	40.4	-12.5	27.9	40.0	-12.1	188	1.0
155.610	V	39.2	-9.7	29.5	43.5	-14.0	192	1.0
258.690	V	36.4	-3.9	32.5	46.0	-13.5	174	1.0
398.410	H	41.2	-6.4	34.8	46.0	-11.2	92	1.5
478.620	V	40.2	-4.5	35.7	46.0	-10.3	192	1.0
588.920	H	41.8	-4.9	36.9	46.0	-9.1	75	1.5

Operation Mode : Transmitting ChargeTest Date : Nov. 20, 2008Temperature : 25 °CHumidity: 65 %

Frequency (MHz)	Ant-Pol H/V	Meter Reading (dBuV)	Corrected Factor (dB)	Result @3m (dBuV/m)	Limit @3m (dBuV/m)	Margin (dB)	Table Degree (Deg.)	Ant. High (m)
38.180	H	38.9	-11.4	27.5	40.0	-12.5	62	1.5
155.640	V	41.2	-9.7	31.5	43.5	-12.0	188	1.0
287.150	V	34.7	-2.2	32.5	46.0	-13.5	192	1.0
360.420	H	43.0	-8.6	34.4	46.0	-11.6	79	1.5
498.240	H	40.1	-4.4	35.7	46.0	-10.3	81	1.5
577.800	V	42.2	-5.2	37.0	46.0	-9.0	192	1.0

Note :

1. Remark “---” means that the emission level is too low to be measured.
2. The expanded uncertainty of the radiated emission tests is 3.53 dB.

b) Emission frequencies above 1 GHz

Radiated emission frequencies above 1 GHz to 5 GHz were too low to be measured with a pre-amplifier of 35 dB.

4.4 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain (if any) from the measured reading. For the limit is employed average value, therefore the peak value can be transferred to average value by subtracting the duty factor. The basic equation with a sample calculation is as follows:

$$\text{Peak} = \text{Reading} + \text{Corrected Factor}$$

where

Corr. Factor = Antenna Factor + Cable Factor - Amplifier Gain (if any)

And the average value is

$$\text{Average} = \text{Peak Value} + \text{Duty Factor}$$

Note : If the measured frequencies are fall in the restricted frequency band, the limit employed must be quasi peak value when frequencies are below or equal to 1 GHz. And the measuring instrument is set to quasi peak detector function.

4.5 Activate Time

This EUT is operated by manually, and Activate Time is less than 5 second after being released.

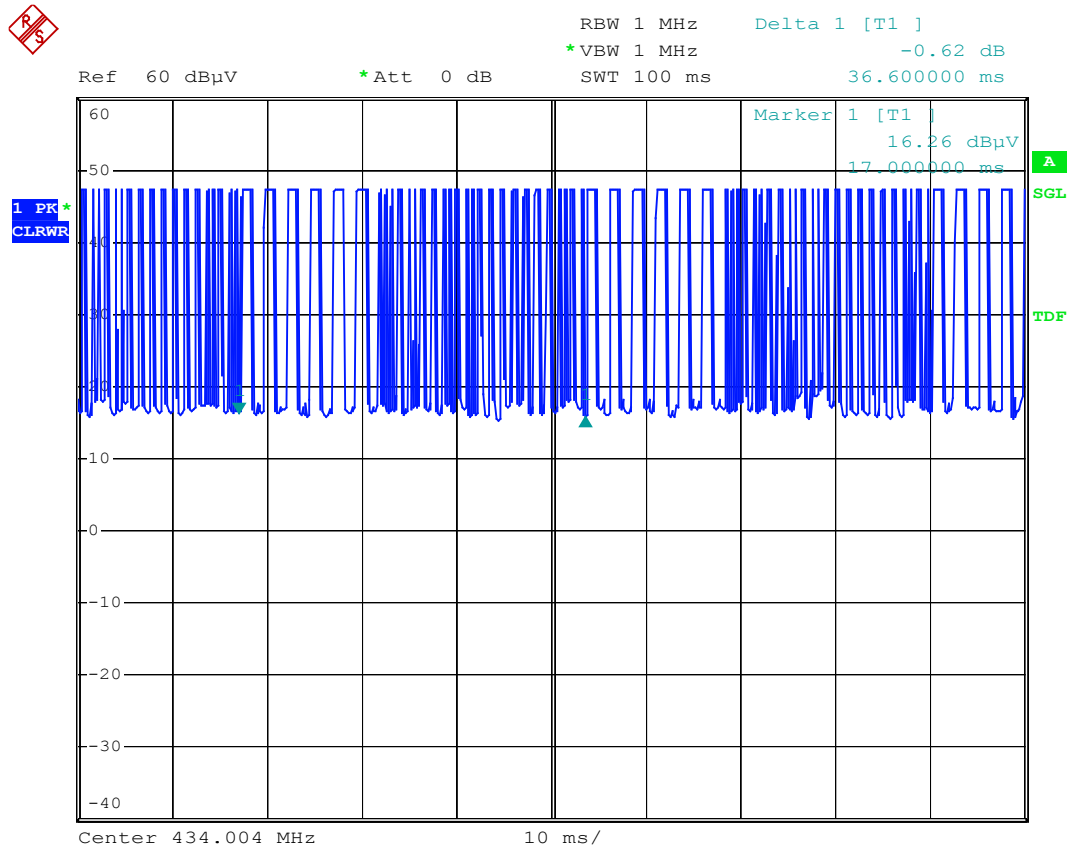
4.6 Calculation of Duty Factor

The duty factor is calculated with following formula :

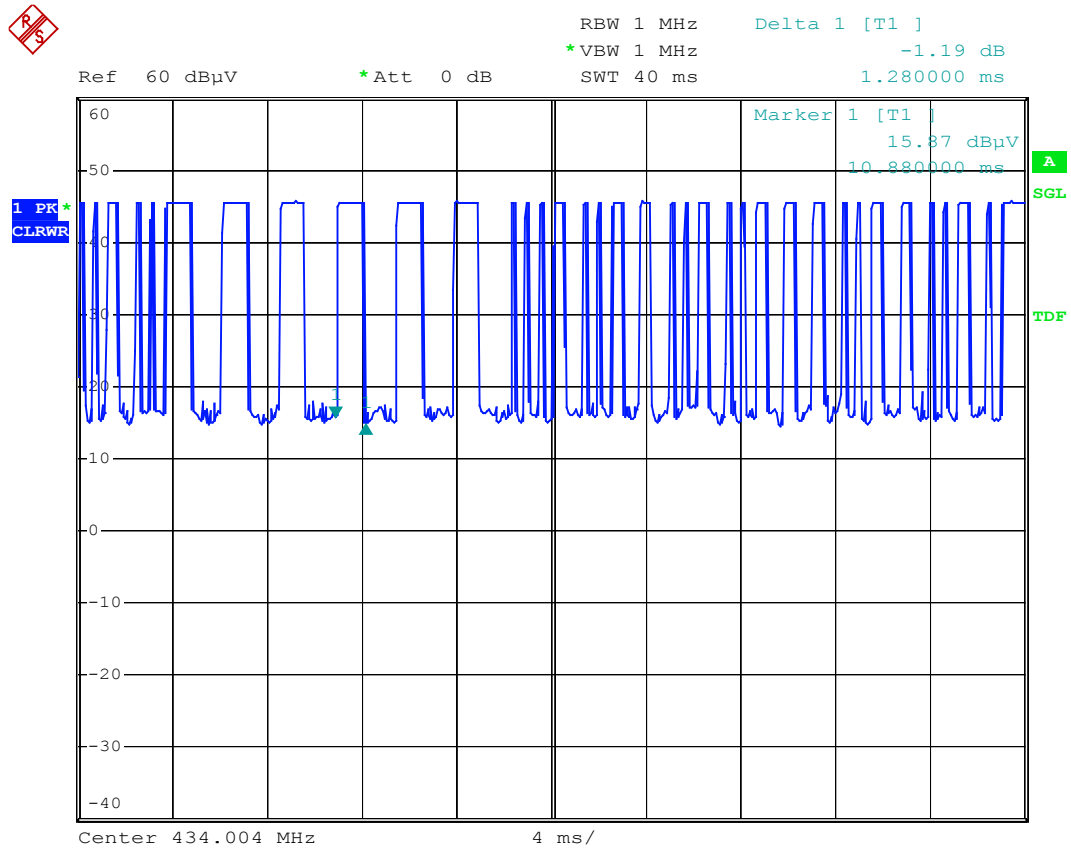
$$20\log \frac{\text{Total Duty}}{\text{Period of Pulse Train}}$$

434.004 MHz

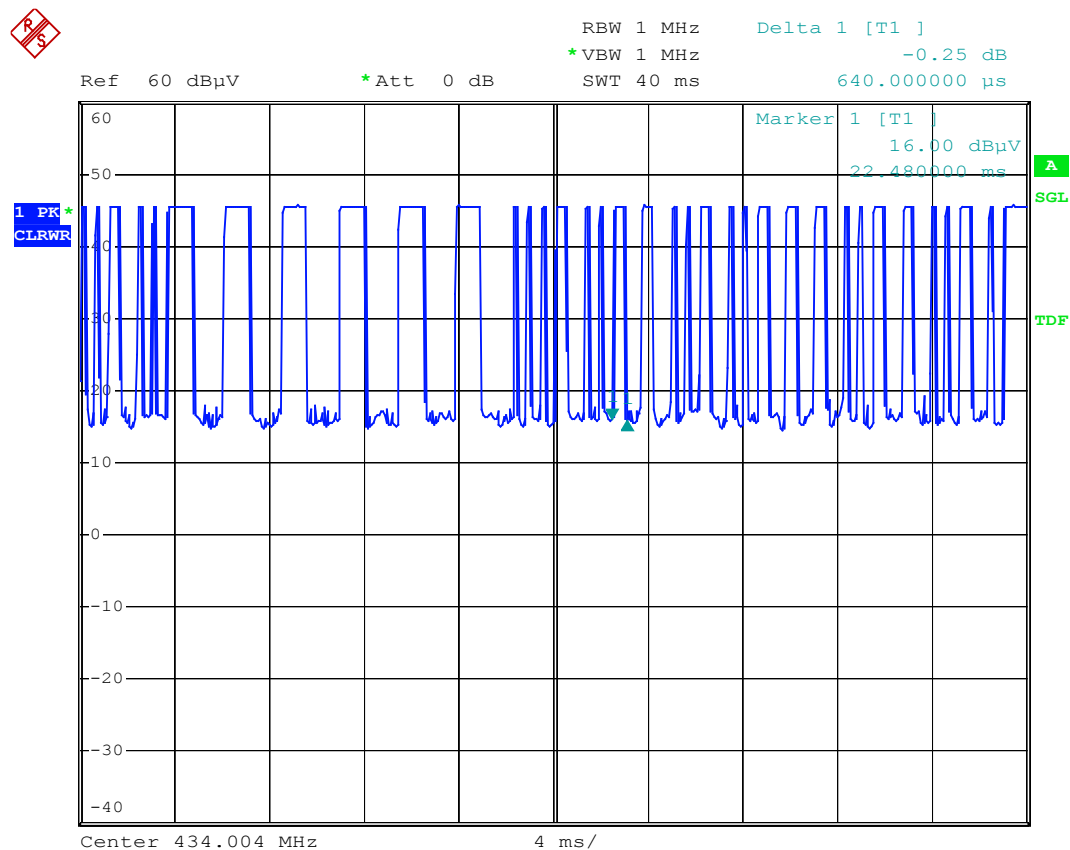
$$\begin{aligned} \text{Duty Factor} &= 20\log \frac{(1.28\text{ms} \times 6) + (0.64\text{ms} \times 10) + (0.32\text{ms} \times 14)}{36.6\text{ms}} \\ &= 20\log \frac{7.68\text{ms} + 6.4\text{ms} + 4.48\text{ms}}{36.6\text{ms}} = -5.9\text{dB} \end{aligned}$$



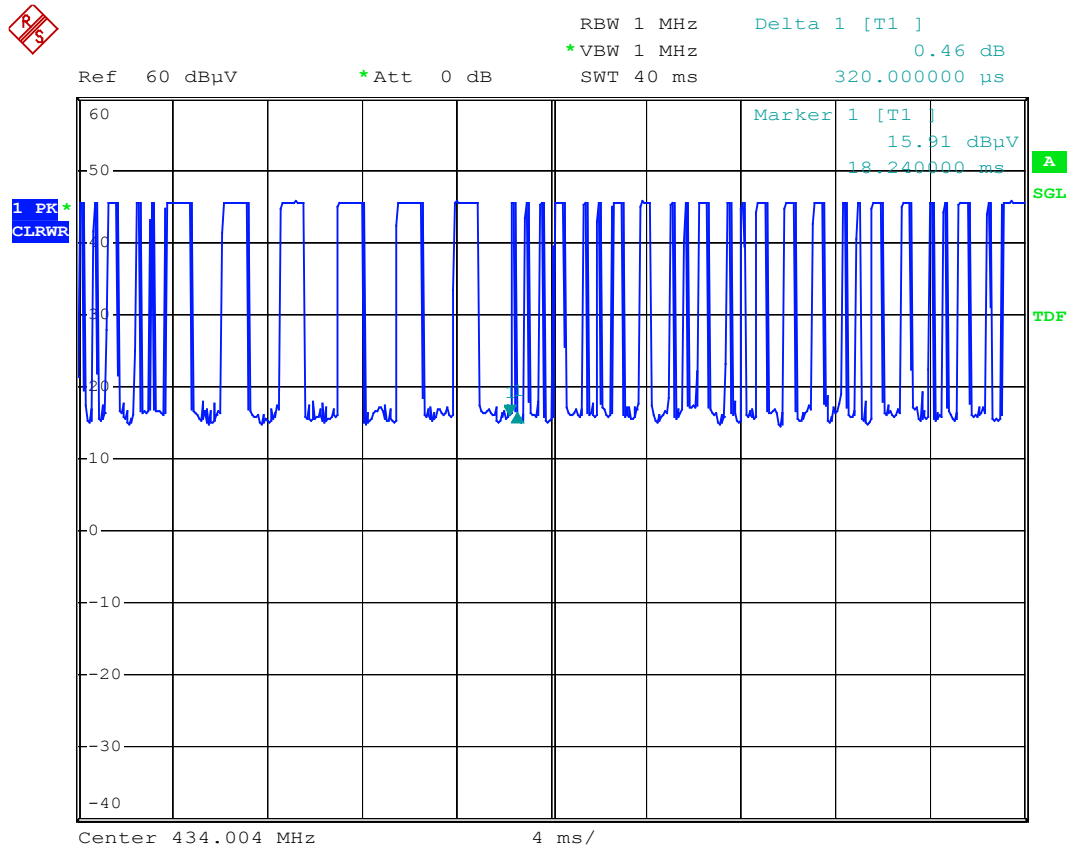
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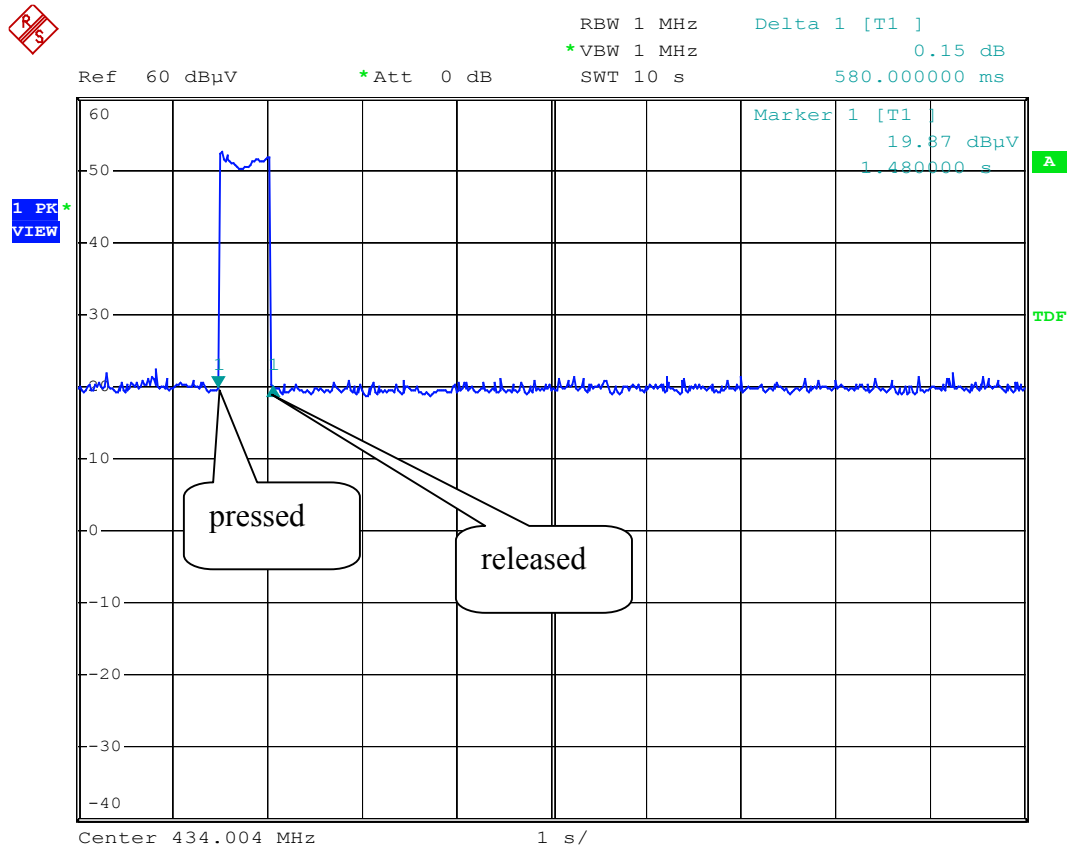
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4.7 Radiated Test Equipment

Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
Test Receiver	Rohde & Schwarz	ESCI	2007/12/27	2008/12/26
Spectrum	Advantest	R3162	2008/01/30	2009/01/29
Bi-Log Antenna	Schaffner	CBL 6111	2008/06/05	2009/06/05
Log-periodic Antenna	EMCO	3146	2008/10/25	2009/10/24
Biconical Antenna	EMCO	3110	2007/12/21	2008/12/20
Double Ridged Antenna	EMCO	3115	2008/05/14	2009/05/14
Amplifier	HP	8449B	2008/09/20	2009/09/19
Amplifier	HP	83051A	2008/05/23	2009/05/23
Amplifier	HP	8447D	2008/05/16	2009/05/16
Spectrum	Rohde & Schwarz	FSP40	2008/09/11	2009/09/11

4.8 Measuring Instrument Setup

Explanation of measuring instrument setup in frequency band measured is as following :

Frequency Band (MHz)	Instrument	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	RF Test Receiver	Quasi-Peak	120 kHz	N/A
	Spectrum Analyzer	Peak	100 kHz	100 kHz
Above 1000	Spectrum Analyzer	Peak	1 MHz	1 MHz
	Spectrum Analyzer	Average	1 MHz	10 Hz

4.9 Radiated Measurement Photos

Mode: Charge



Mode: Transmitting



5. BANDWIDTH OF EMISSION

5.1 Applicable Standard Plot Graphic of Bandwidth

Per FCC rule §15.231(c), the permitted emission bandwidth is no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz.

5.2 Bandwidth Test Equipment

Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
Spectrum	Rohde & Schwarz	FSP40	2008/09/11	2009/09/11

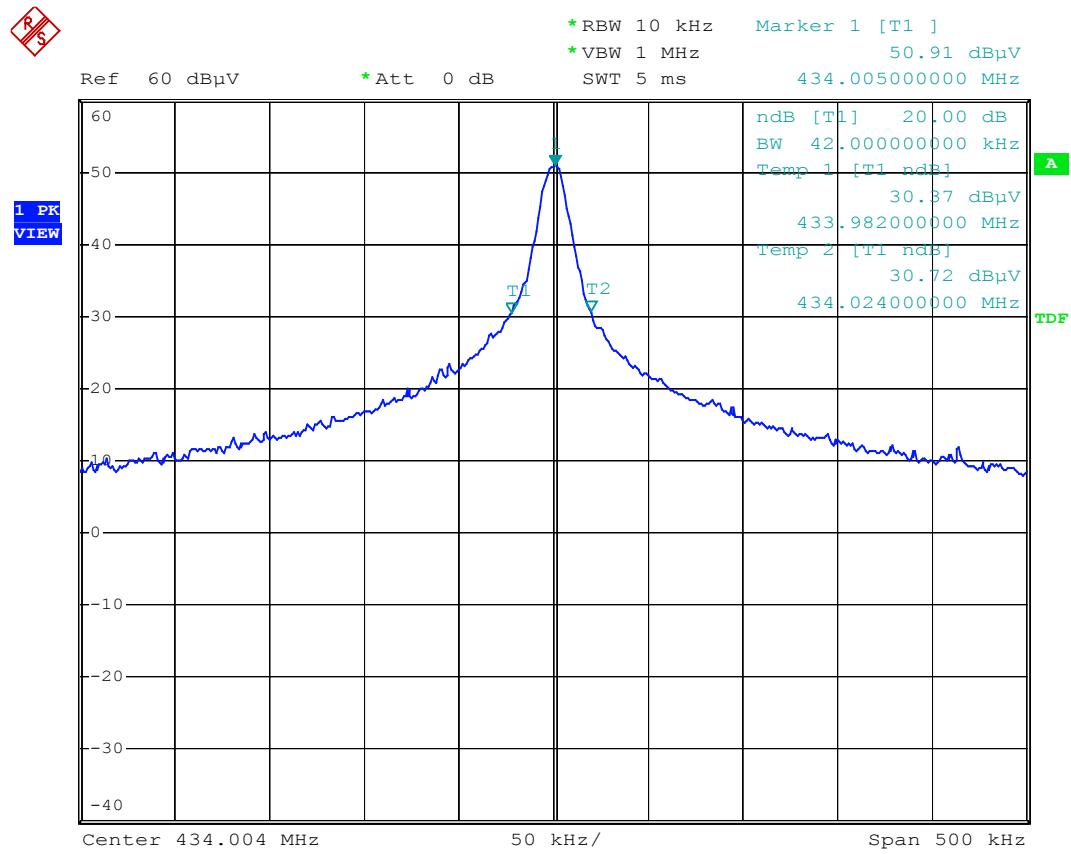
5.3 Plot Graphic of Bandwidth

The emission bandwidth limit for this transmitter is

$$434.005 \text{ MHz} * 0.25\% = 1085.0125 \text{ kHz}$$

$$20 \text{ dB bandwidth} = 42 \text{ kHz}$$

Test Result: 42 kHz < 1085.0125 kHz.



Date: 15.NOV.2008 10:15:49

6. CONDUCTED EMISSION MEASUREMENT

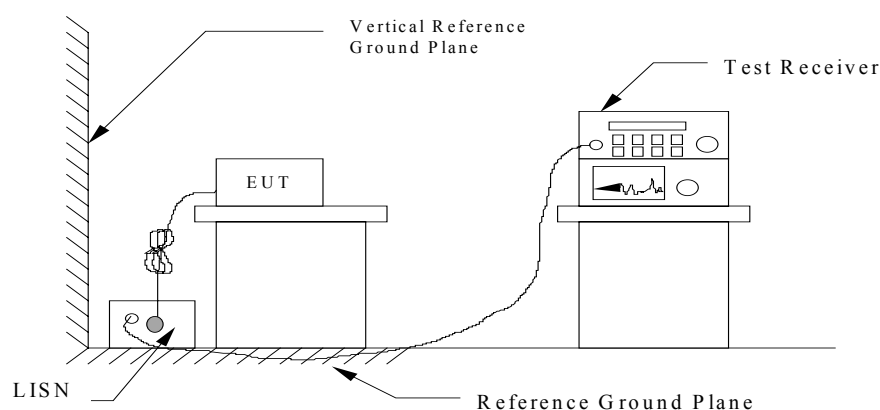
6.1 Standard Applicable

For unintentional and intentional device, Line Conducted Emission Limits are in accordance to § 15.107(a) and § 15.207(a) respectively. Both Limits are identical specification.

6.2 Measurement Procedure

1. Setup the configuration per figure 3.
2. A preliminary scan with a spectrum monitor is performed to identify the frequency of emission that has the highest amplitude relative to the limit by operating the EUT in selected modes of operation, typical cable positions, and with a typical system configuration.
3. Record the 6 or 8 highest emissions relative to the limit.
4. Measure each frequency obtained from step 3 by a test receiver set on quasi peak detector function, and then record the accuracy frequency and emission level. If all emissions measured in the specified band are attenuated more than 20 dB from the limit, this step would be ignored, and the peak detector function would be used.
5. Confirm the highest three emissions with variation of the EUT cable configuration and record the final data.
6. Repeat all above procedures on measuring each operation mode of EUT.

Figure 3 : Conducted emissions measurement configuration



6.3 Conducted Emission DataOperation Mode : Charge ModeNeutralPower Supply : 120VAC 60HzTest Date : Oct. 05, 2009Temperature : 25 °CHumidity : 65 %

Frequency (MHz)	Meter Reading (dB μ V)		Factor (dB)	Result (dB μ V)		Limit (dB μ V)		Margin (dB μ V)	
	Q.P	AVG		Q.P	AVG	Q.P	AVG	Q.P	AVG
0.196	51.0	39.6	0.4	51.4	40.0	63.8	53.8	-12.4	-13.8
0.298	46.8	----	0.4	47.2	----	60.3	50.3	-13.1	----
5.070	42.0	----	0.6	42.6	----	60.0	50.0	-17.4	----
10.156	48.4	37.1	0.8	49.2	37.9	60.0	50.0	-10.8	-12.1
10.570	48.5	36.5	0.8	49.3	37.3	60.0	50.0	-10.7	-12.7
11.250	46.1	----	0.8	46.9	----	60.0	50.0	-13.1	----

Operation Mode : Charge ModeLine

Frequency (MHz)	Meter Reading (dB μ V)		Factor (dB)	Result (dB μ V)		Limit (dB μ V)		Margin (dB μ V)	
	Q.P	AVG		Q.P	AVG	Q.P	AVG	Q.P	AVG
0.192	46.3	----	0.3	46.6	----	63.9	53.9	-17.3	----
7.457	44.0	----	0.7	44.7	----	60.0	50.0	-15.3	----
7.656	46.3	----	0.7	47.0	----	60.0	50.0	-13.0	----
10.207	44.8	----	0.8	45.6	----	60.0	50.0	-14.4	----
11.570	48.5	36.9	0.8	49.3	37.7	60.0	50.0	-10.7	-12.3
12.203	49.1	36.1	0.9	50.0	37.0	60.0	50.0	-10.0	-13.0

Notes: 1) Place of measurement: EMC LAB. of the ETC

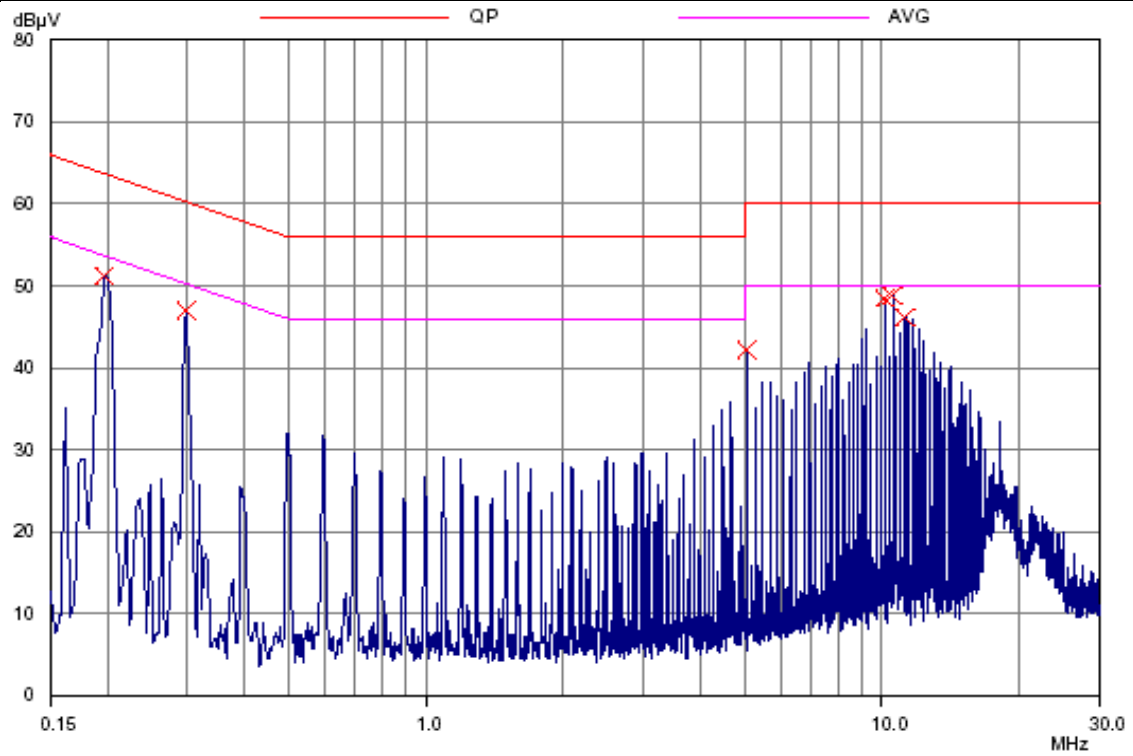
2) The EUT was placed 0.8m above reference ground plane.

3) The symbol of "----" means the Q.P. value is under the limit for AVG. so, the AVG. value doesn't need to be measured.

4) The expanded uncertainty of the conducted emission tests is 2.45 dB.

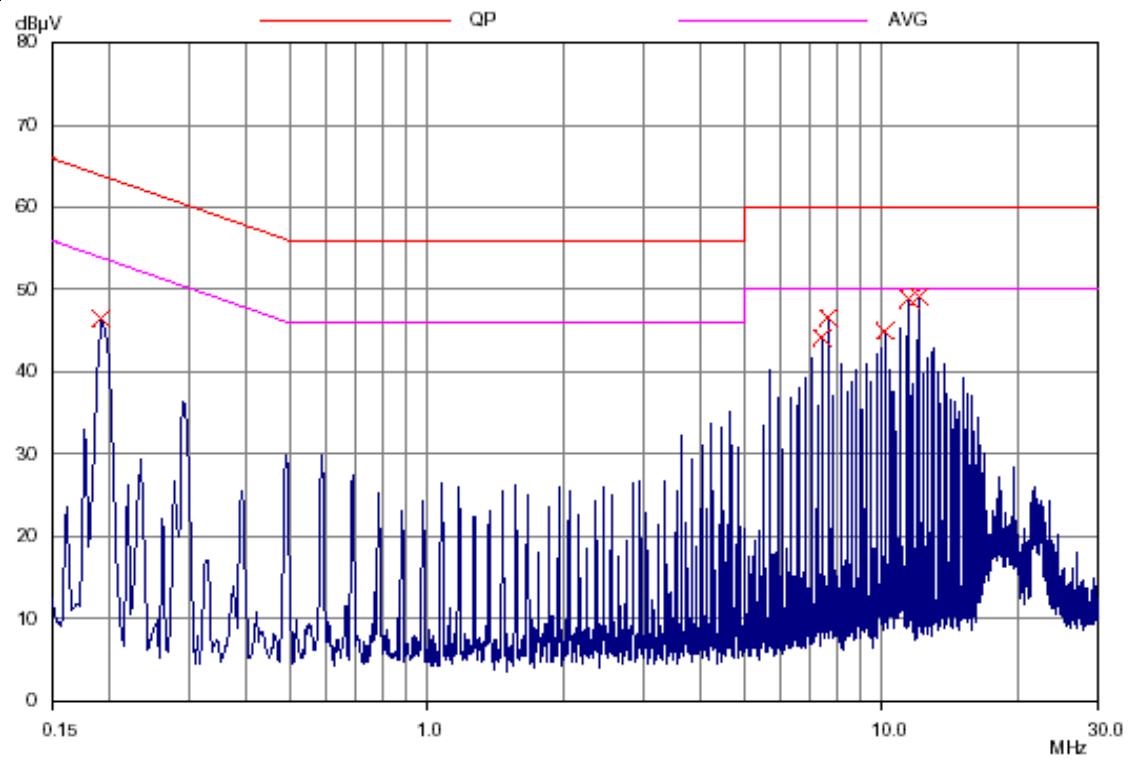
Mode: Charge Mode

Neutral



Mode: Charge Mode

Line



6.4 Result Data Calculation

The result data is calculated by adding the LISN Factor to the measured reading. The basic equation with a sample calculation is as follows:

$$\text{RESULT} = \text{READING} + \text{LISN FACTOR}$$

Assume a receiver reading of 22.5 dB μ V is obtained, and LISN Factor is 0.1 dB, then the total of disturbance voltage is 22.6 dB μ V.

$$\text{RESULT} = 22.5 + 0.1 = 22.6 \text{ dB } \mu \text{ V}$$

$$\begin{aligned} \text{Level in } \mu \text{ V} &= \text{Common Antilogarithm}[(22.6 \text{ dB } \mu \text{ V})/20] \\ &= 13.48 \mu \text{ V} \end{aligned}$$

6.5 Conducted Measurement Equipment

The following test equipment are used during the conducted test .

Equipment	Manufacturer	Model No.	Calibration Date	Next Cal. Date
EMI Test Receiver	Rohde & Schwarz	ESCI	2009/02/04	2010/02/04
LISN	EMCO	3625/2	2009/02/06	2010/02/06
LISN	Rohde & Schwarz	ESH2-Z5	2009/07/16	2010/07/15

6.6 Photos of Conduction Measuring Setup



7 ANTENNA REQUIREMENT

7.1 Standard Applicable

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.

7.2 Antenna Construction

The antenna is permanently integrated on RF Board, no consideration of replacement.
Please see photos submitted in Exhibit B.