

# FCC RADIO TEST REPORT

## FCC 47 CFR PART 15 SUBPART C

**Test Standard** FCC Part 15.231 and RSS-210 Issue 9

**FCC ID** M3N68000217

**ISED No.** 7812A-68000217

**Trade name** Harley Davidson

**Product name** Remote Control

**Model No.** 68000217

**Operation Freq.** 315 MHz

**Test Result** Pass

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of CCS. Inc.

The sample selected for test was production product and was provided by manufacturer.



Approved by:

A handwritten signature in black ink that reads "Sam Chuang".

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Sam Chuang  
Manager

Reviewed by:

A handwritten signature in black ink that reads "Zeus Chen".

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Zeus Chen  
Supervisor

## Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	November 2, 2016	Initial Issue	ALL	Doris Chu
01	November 10, 2016	1. Added Date of Test. 2. Modify 3M 966 Chamber Test Site Loop Antenna. 3. Modify section 1.8. 4. Modify section 2 Test Summary. 5. Modify section 4.2.2 Test Procedure, Sweep Time = Auto. 6. Modify 20 dB Bandwidth and Occupied Bandwidth test data. 7. Added Remark 2. 8. Modify section 4.3.4 Remark 2. 9. Modify section 4.4.1 Test Limit. 10. Modify section 4.4.2 Test Procedure Item 1. 11. Modify Radiation test data. 12. Modify section 4.5.1 Test Limit and 4.5.2 Test Procedure. 13. Added section 1.9 Table of accreditations and listings. 14. Modify section 4.3.1 Test Limit, 4.3.4 Test Result and 4.3.4.1 Test Data. 15. Remove Channel Bandwidth	P.4, P.7, P.8, P.9, P.13, P.14, P.10, P.16, P.18, P.20, P.23 ~ P.26, P.27, P.15 ~ P.17 P.5	Doris Chu
02	November 16, 2016	1. Modify Section 2. Test Summary 2. Modify Section 4.2.2, Sweep = Auto. 3. Modify Section 4.2 Test data. 4. Modify Section 3.2 Remark 2. 5. Added Remark 2 in Section 3.1. 6. Modify Section 4.4.1. 7. Modify Section 4.4 Below 1G Test data. 8. Modify Section 4.5.1. 9. Added Polarity in Section 4.3.4	P.9, P.13, P.14, P.10, P.18, P.23 ~P.24, P.27, P.16	Doris Chu

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**APPENDIX 1 - PHOTOGRAPHS OF EUT**

## 1. GENERAL INFORMATION

### 1.1 EUT INFORMATION

<b>Applicant</b>	Continental Automotive Systems, Inc.
<b>Equipment</b>	Remote Control
<b>Model Name</b>	68000217
<b>Model Discrepancy</b>	N/A
<b>Received Date</b>	October 18, 2016
<b>Date of Test</b>	October 18 - November 14, 2016
<b>Output Power</b>	70.33 dBuV/m
<b>Periodic operation</b>	<input checked="" type="checkbox"/> (1) A manually operated transmitter shall employ a switch that will automatically deactivate the transmitter within not more than 5 seconds of being released. <input type="checkbox"/> (2) A transmitter activated automatically shall cease transmission within 5 seconds after activation <input type="checkbox"/> (3) Periodic transmissions at regular predetermined intervals are not permitted. <input type="checkbox"/> (4) Periodic transmissions (lower field strength): each transmission is not greater than 1 sec and the silent period between transmissions is at least 30 times the duration of the transmission but in no case less than 10 sec.
<b>Power Operation</b>	<input type="checkbox"/> AC <input checked="" type="checkbox"/> DC Type : <input checked="" type="checkbox"/> Battery : 3V <input type="checkbox"/> DC Power Supply <input type="checkbox"/> External DC adapter

#### **Remark:**

*All listed models are using an identical RF module with the only differences on number of key buttons mounted for additional functions.*

*Due to similarity of RF product constructions of given model series, only dedicated model as described in test report with the most complexity constructions was selected for testing and record.*

## 1.2 EUT CHANNEL INFORMATION

Frequency Range	315 MHz
Modulation Type	GFSK
Channel spacing	N/A
Channel List	N/A

**Remark:**

Refer as ANSI 63.10:2013 clause 5.6.1 Table 4 and RSS-GEN Table A1 for test channels

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
<input checked="" type="checkbox"/> 1 MHz or less	1	Middle
<input type="checkbox"/> 1 MHz to 10 MHz	2	1 near top and 1 near bottom
<input type="checkbox"/> More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

## 1.3 ANTENNA INFORMATION

Antenna Category	<input checked="" type="checkbox"/> Integral: antenna permanently attached <input type="checkbox"/> External dedicated antennas <input type="checkbox"/> External Unique antenna connector
Antenna Type	<input type="checkbox"/> PIFA <input checked="" type="checkbox"/> PCB for 315 MHz <input type="checkbox"/> Dipole <input type="checkbox"/> Printed <input type="checkbox"/> Coils
Antenna Gain	0 dBi

## 1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	+/- 1.2575
Emission bandwidth, 20dB bandwidth	+/- 1.4003
RF output power, conducted	+/- 1.1372
Power density, conducted	+/- 1.4003
3M Semi Anechoic Chamber / 30M~200M	+/- 4.0138
3M Semi Anechoic Chamber / 200M~1000M	+/- 3.9483
3M Semi Anechoic Chamber / 1G~8G	+/- 2.5975
3M Semi Anechoic Chamber / 8G~18G	+/- 2.6112
3M Semi Anechoic Chamber / 18G~26G	+/- 2.7389
3M Semi Anechoic Chamber / 26G~40G	+/- 2.9683
3M Semi Anechoic Chamber / 40G~60G	+/- 1.8509
3M Semi Anechoic Chamber / 60G~75G	+/- 1.9869
3M Semi Anechoic Chamber / 75G~110G	+/- 2.9651
3M Semi Anechoic Chamber / 110G~170G	+/- 2.7807
3M Semi Anechoic Chamber / 170G~220G	+/- 3.6437
3M Semi Anechoic Chamber / 220G~325G	+/- 4.2982

**Remark:**

1. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

## 1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at  
No.11, Wugong 6th Rd., Wugu Dist., New Taipei City 24891, Taiwan. (R.O.C.)

Test site	Test Engineer	Remark
AC Conduction Room	N/A	Not applicable
Radiation	Dennis Li	
RF Conducted	Ian Tu	

**Remark:** The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

## 1.6 INSTRUMENT CALIBRATION

RF Conducted Test Site					
Equipment	Manufacturer	Model	S/N	Cal Date	Cal Due
Spectrum Analyzer	R&S	FSV 40	101073	08/01/2016	07/31/2017
Loop Ant	TEKBOX	TBPS01	TBWA22015055	12/13/2015	12/12/2016

3M 966 Chamber Test Site					
Equipment	Manufacturer	Model	S/N	Cal Date	Cal Due
Spectrum Analyzer	Agilent	E4446A	US42510252	12/08/2015	12/07/2016
Loop Ant	COM-POWER	AL-130	121051	02/25/2016	02/24/2017
Bilog Antenna	Sunol Sciences	JB3	A030105	07/03/2016	07/02/2017
Pre-Amplifier	EMEC	EM330	60609	06/08/2016	06/07/2017
Horn Antenna	ETC	MCTD 1209	DRH13M02003	09/02/2016	09/01/2017
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R

AC Conducted Emissions Test Site					
Equipment	Manufacturer	Model	S/N	Cal Date	Cal Due
LISN	SCHWARZBECK	NSLK 8127	8127-541	11/23/2015	11/22/2016
Receiver	R&S	ESCI	101073	08/20/2016	08/19/2017

**Remark:** Each piece of equipment is scheduled for calibration once a year.

## 1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

There are no accessories and support equipment be used during the test.

EUT Accessories Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

Support Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

## 1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC 15.203, FCC 15.209, FCC 15.231, RSS-210 and RSS-GEN rules

## 1.9 TABLE OF ACCREDITATIONS AND LISTINGS

Country	Agency	Scope of Accreditation	Logo
USA	FCC	3M Semi Anechoic Chamber (FCC MRA: TW1039) to perform FCC Part 15 measurements	 FCC MRA: TW1039
Canada	Industry Canada	3M Semi Anechoic Chamber (IC 2324G-1 / IC 2324G-2) to perform	 IC 2324G-1 IC 2324G-2

\* No part of this report may be used to claim or imply product endorsement by A2LA or any agency of the US Government.

## 2. TEST SUMMERY

FCC Standard Sec.	IC Standard Sec.	Chapter in this Report	Test Item	Result
15.203		1.3	Antenna Requirement	Pass
15.207	RSS-Gen 8.8	4.1	AC Power-line Conducted Emission	Not applicable
15.231(c)	A.1.3	4.2	Emission Bandwidth	Pass
15.231(b)	A.1.2	4.3	Fundamental Emission	Pass
15.231(b)	A1.2(b)	4.4	Transmitter Radiated Emission	Pass
15.231(a)	A.1.1	4.5	Operation Restriction	Pass

### 3. DESCRIPTION OF TEST MODES

#### 3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	TX 315 MHz
Test Channel Frequencies	315 MHz
RF Filed strength	70.33 dBuV/m at 3m (Detector AVG)

Remark: Field strength performed Average level at 3m.

#### 3.2 THE WORST MODE OF MEASUREMENT

AC Conducted Emission	
<b>Test Condition</b>	AC Power line conducted emission for line and neutral
<b>Voltage/Hz</b>	120V/60Hz
<b>Test Mode</b>	N/A- Not applicable
<b>Worst Mode</b>	

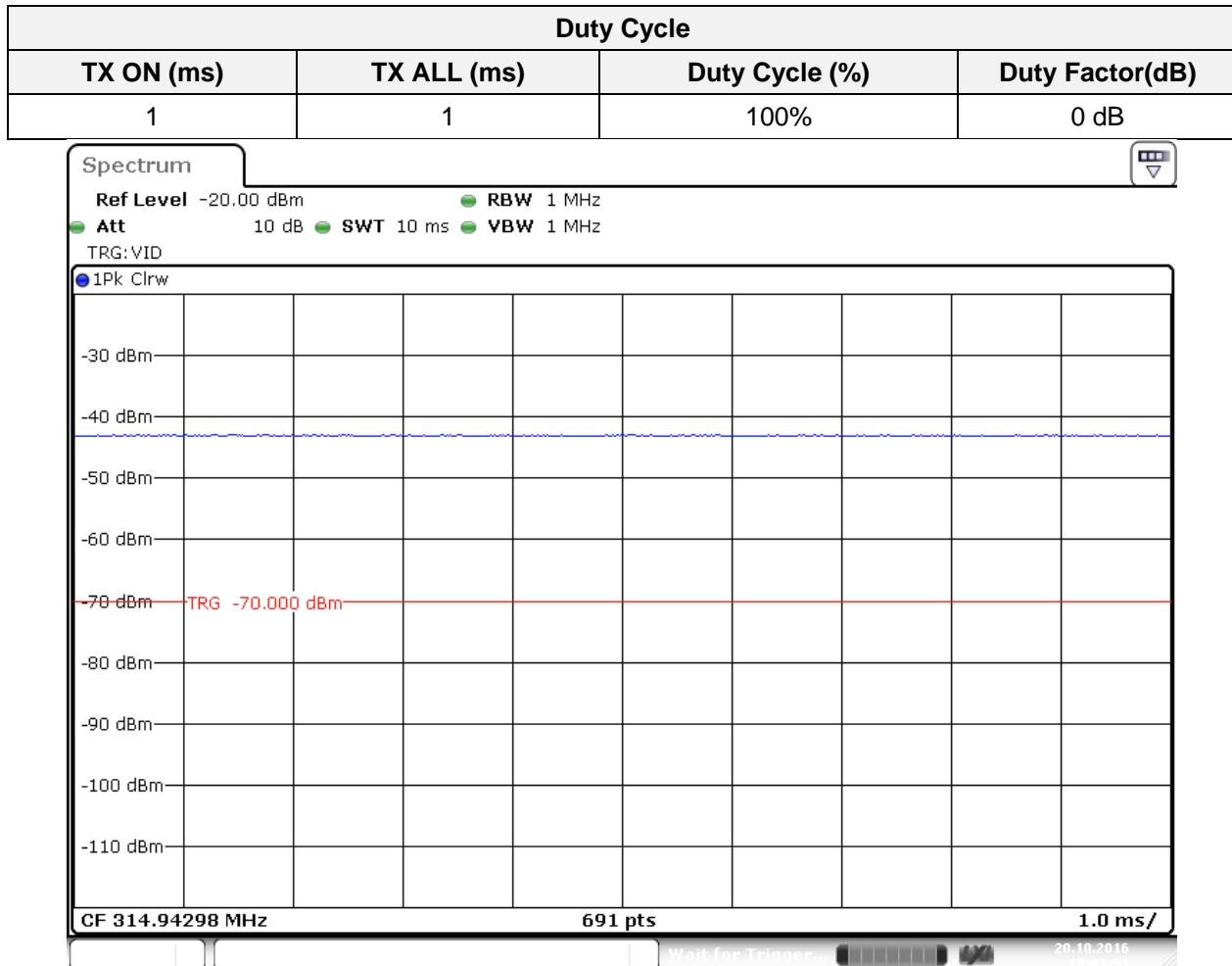
Remark: The worst mode was record in this test report.

Radiated Emission Measurement	
<b>Test Condition</b>	Band edge, Emission for Unwanted and Fundamental
<b>Voltage/Hz</b>	120V/60Hz
<b>Test Mode</b>	Mode 1 : Tx-315 MHz Mode
<b>Worst Mode</b>	<input checked="" type="checkbox"/> Mode 1
<b>Position</b>	<input type="checkbox"/> Placed in fixed position. <input checked="" type="checkbox"/> Placed in fixed position at X-Plane (E2-Plane) <input type="checkbox"/> Placed in fixed position at Y-Plane (E1-Plane) <input type="checkbox"/> Placed in fixed position at Z-Plane (H-Plane)

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X, Y, Z and two polarity, Horizontal and Vertical for radiated measurement. The worst case (X-Plane and Horizontal) were recorded in this report.

### 3.3 EUT DUTY CYCLE



Date: 20.OCT.2016 18:01:51

#### Remarks:

*Calculation of emission correction factor*

*Correction factor = Total amount of Ton / TP (if TP is travel under 100ms)*

*Correction factor = Total amount of Ton/ 100 (if TP is travel exceeding 100ms)*

*In log , 20 log (Ton /TP ) = correction factor (in dB).*

## 4. TEST RESULT

### 4.1 AC POWER LINE CONDUCTED EMISSION

#### 4.1.1 Test Limit

According to §15.207(a) and RSS-GEN section 8.8,

Frequency Range (MHz)	Limits(dB $\mu$ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

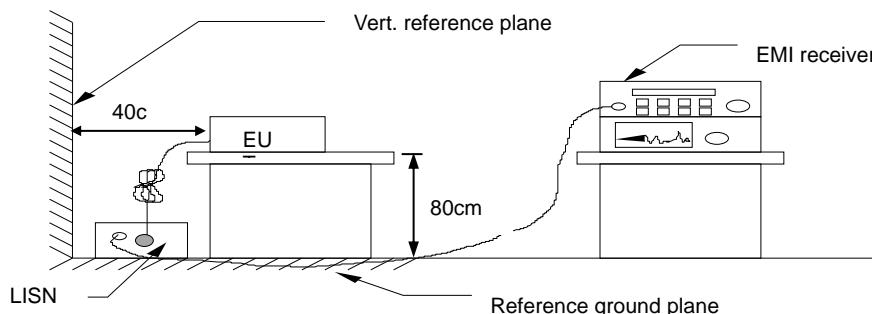
\* Decreases with the logarithm of the frequency.

#### 4.1.2 Test Procedure

Test method Refer as ANSI 63.10:2013 clause 6.2,

1. The EUT was placed on a table, which is 0.8m above ground plane.
2. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
3. Repeat above procedures until all frequency measured were complete

#### 4.1.3 Test Setup



#### 4.1.4 Test Result

Not applicable

## 4.2 EMISSION BANDWIDTH

### 4.2.1 Test Limit

According to §15.231(c) and RSS-210 section A.1.3

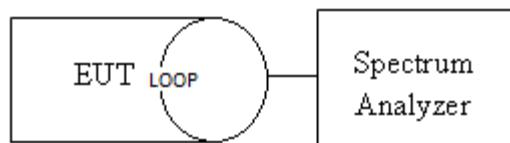
Limit	<input checked="" type="checkbox"/> 70 MHz - 900 MHz : $F_c * 0.25\%$ <input type="checkbox"/> Above 900 MHz : $F_c * 0.5\%$
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### 4.2.2 Test Procedure

Test method Refer as ANSI 63.10:2013 clause 6.9.2,

The Loop antenna connected to the spectrum analyzer, was touching to the transmitter antenna. Set the RBW=10KHz, VBW  $\geq 3 \times$  RBW, Detector = Peak, Trace mode = Max hold, Sweep = Auto. Measure the maximum width of the emission that is constrained by the frequencies associated with the 20dB Bandwidth and Occupied Bandwidth.

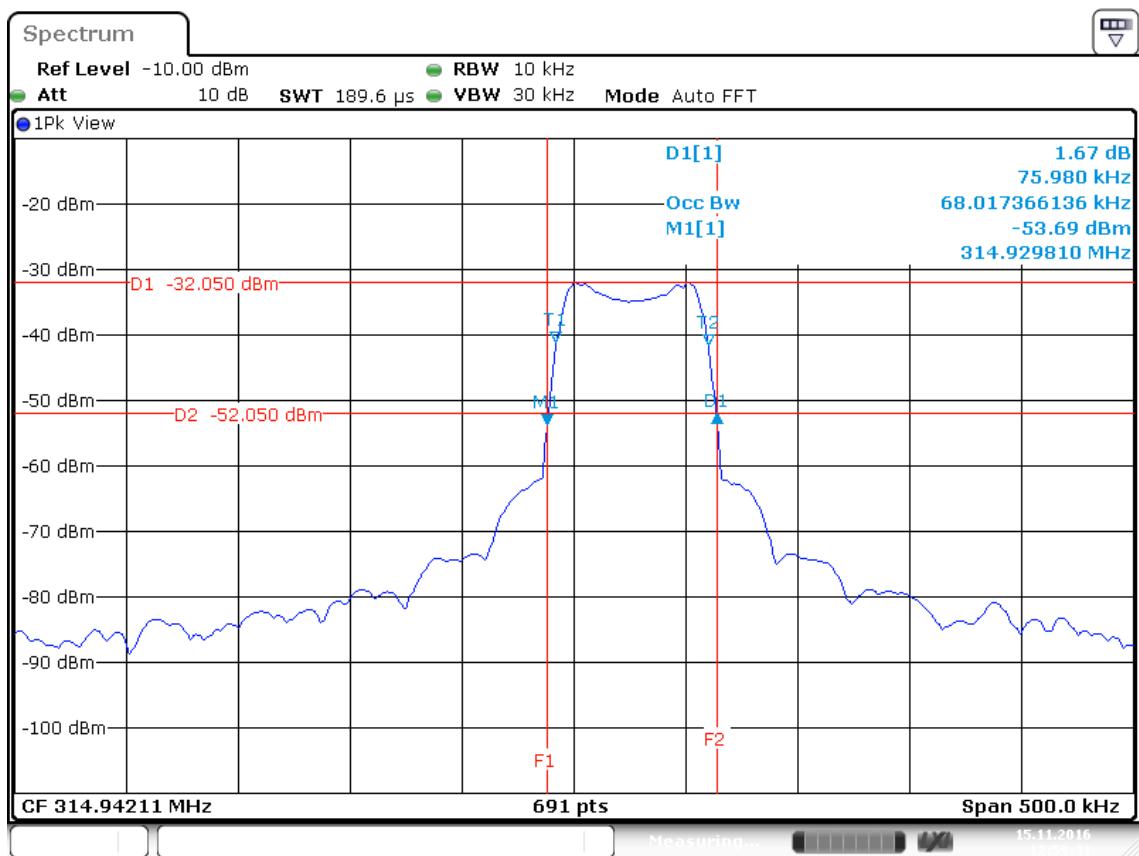
### 4.2.3 Test Setup



### 4.2.4 Test Result

Spectrum Bandwidth			
Frequency (MHz)	20dB Bandwidth (KHz)	99% Occupied BW (KHz)	20dB Bandwidth Limits (kHz)
315 MHz	75.9800	68.0173	797.5

## Test Data



Date: 15 NOV 2016 12:59:41

## 4.3 FIELD STRENGTH

### 4.3.1 Test Limit

According to §15.231(b) and RSS-210 section A.1.2, For manually operated within 5 sec, activated automatically within 5 Seconds,

Fundamental frequency (MHz)	Field strength of fundamental (uv/m) at 3m	Field strength of fundamental (dBuv/m) at 3m
40.66-40.70	2,250	67.04
70-130	1,250	61.94
*130-174	*1,250 to 3,750	61.94-71.48
174-260	3,750	71.48
*260-470	*3,750 to 12,500	71.48-81.94
Above 470	12,500	81.94

**REMARK:**

1. \*\* Linear interpolations
2. Based on the average value of the measured Field strength of fundamental.

According to §15.231(e) and RSS-210 section A.1.4, For operated up to 5 Seconds,

Fundamental frequency (MHz)	Field strength of fundamental (uv/m) at 3m	Field strength of fundamental (dBuv/m) at 3m
40.66-40.70	1000	60
70-130	500	53.98
*130-174	*500-1500	53.98-63.52
174-260	1500	63.52
*260-470	*1500-5000	63.52-73.98
Above 470	5000	73.98

**REMARK:**

1. \*\* Linear interpolations
2. Based on the average value of the measured Field strength of fundamental.

### 4.3.2 Test Procedure

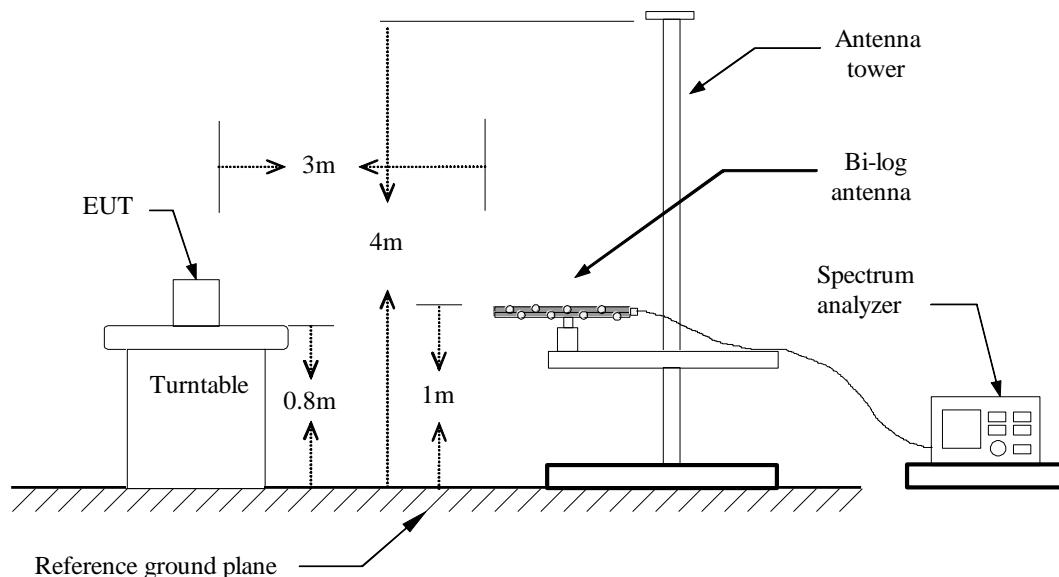
Test method Refer as ANSI 63.10:2013 clause 4.1.4 and clause 6.5

clause 4.1.4	<input type="checkbox"/> 4.1.4.2.2: Measurement Peak value. <input checked="" type="checkbox"/> 4.1.4.2.3: Duty cycle $\geq 100\%$ . <input checked="" type="checkbox"/> 4.1.4.2.4: Measurement Average value.
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**REMARK:**

1. Duty factor =  $20\log(dwell\ time)$
2. Average emission = Peak emission +  $20\log(duty\ cycle)$ .

### 4.3.3 Test Setup



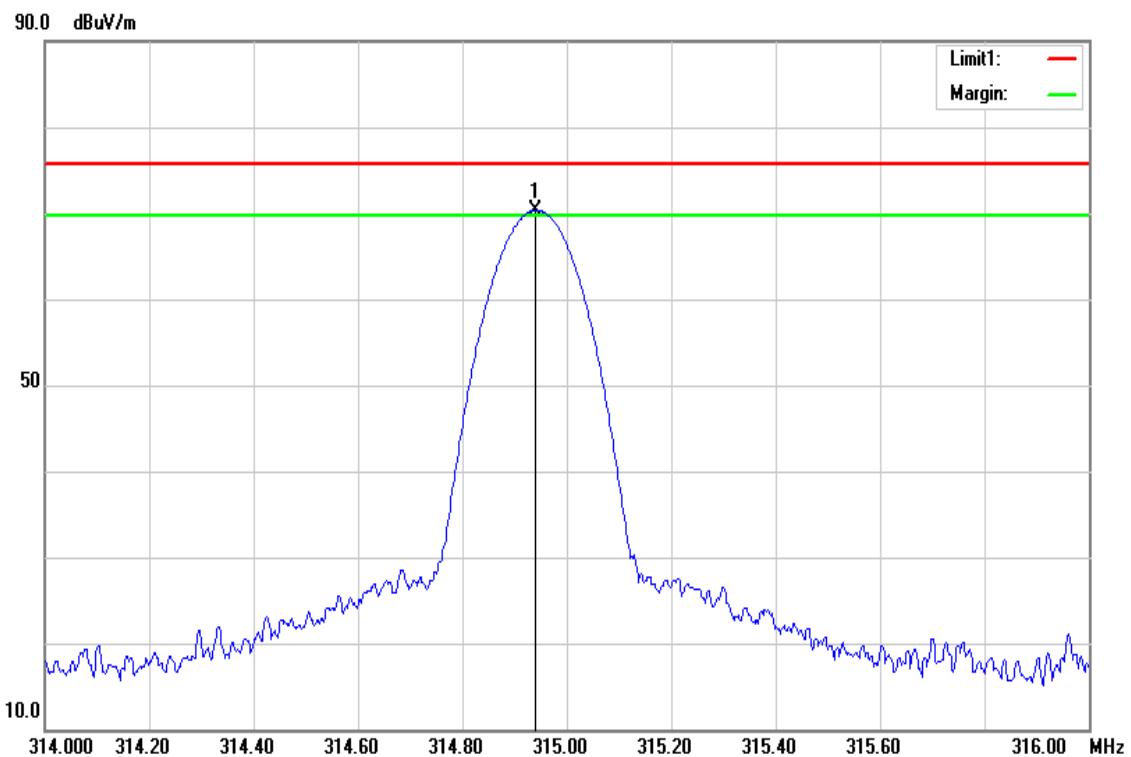
### 4.3.4 Test Result

Field Strength					
Frequency (MHz)	Fundamental (dBuV/m) at 3m	Limit (dBuV/m) at 3m	Margin (dB)	Polarity	Remark
315	70.33	75.62	-5.29	H	Average

#### Remark

1. Peak results = actual peak readings + factor; Average results = actual peak readings + correction factor (0).
2. If correction factor =0. Fundamental measured method setting on spectrum, RBW=100 kHz, VBW=100kHz and Detector=Average

#### 4.3.4.1 Test Data



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	314.9400	86.38	-16.05	70.33	75.62	-5.29	AVG

## 4.4 RADIATION UNWANTED EMISSION

### 4.4.1 Test Limit

According to §15.231(b)(3) and §15.209,

Unwanted emissions limit follow the table or the FCC Part 15.209, whichever limit permits higher field strength.

According to RSS-210 section A1.2(b),

Unwanted emissions shall be 10 times below the fundamental emissions field strength limits follow the table or comply with the limits specified in RSS-Gen, whichever is less stringent.

According to §15.231(b) and RSS-210 section A.1.2, For manually operated within 5 sec, activated automatically within 5 Seconds,

Fundamental frequency (MHz)	Field strength of fundamental (uv/m) at 3m	Field strength of fundamental (dBuv/m) at 3m
40.66-40.70	2,25	47.04
70-130	1,25	41.93
*130-174	*1,25 to 3,75	41.93-51.48
174-260	3,75	51.48
*260-470	*3,75 to 12,50	51.48-61.94
Above 470	12,50	61.94

**REMARK:**

1. \*\* Linear interpolations
2. Based on the average value of the measured Field strength of fundamental.

According to §15.209 and RSS-GEN section 8.9,

<b>Frequency (MHz)</b>	<b>Field strength (microvolts/meter)</b>	<b>Measurement distance (meters)</b>
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	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 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§15.231 and 15.241.

#### 4.4.2 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m for test below 1G and 1.5m for test above 1G, above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:

Below 1GHz:

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz:

(a)PEAK: RBW=1MHz / VBW=3MHz / Sweep=AUTO

(b)AVERAGE: RBW=1MHz,

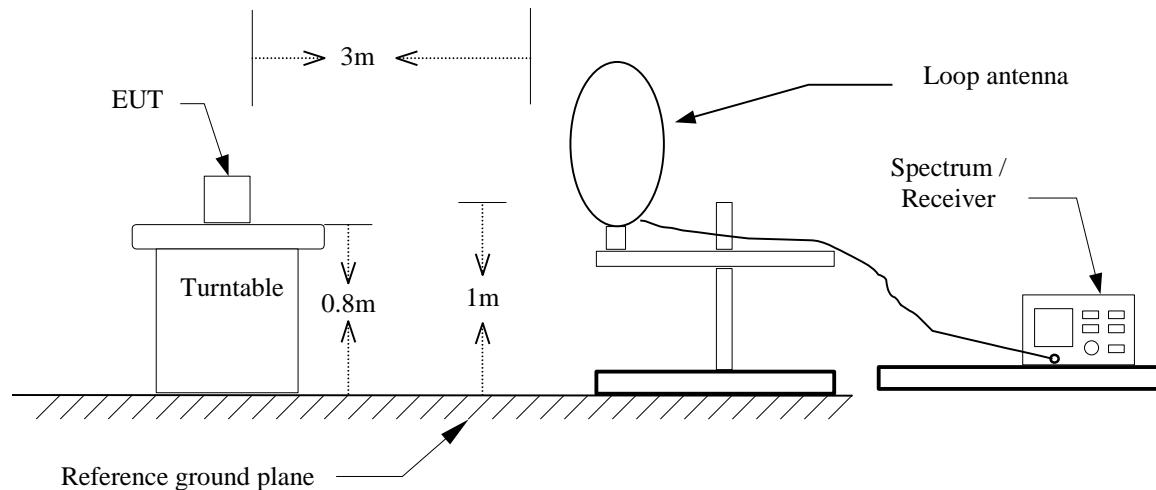
7. Repeat above procedures until the measurements for all frequencies are complete.

*Remark.*

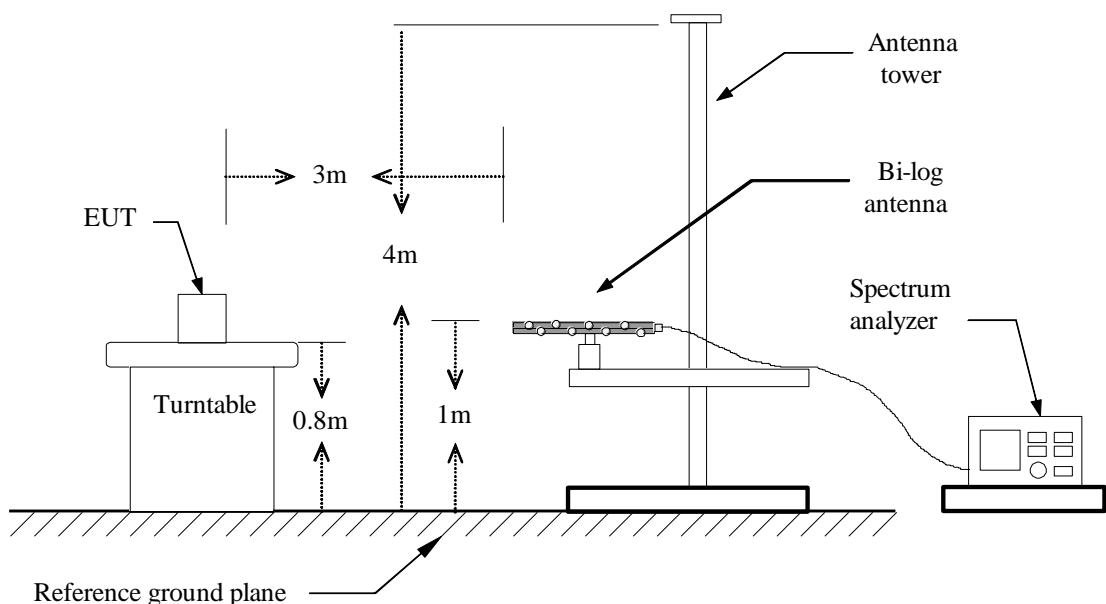
1. *The EUT has a oscillator operating at 26 MHz, harmonic/spurious was verified. And didn't catch any emission at 26MHz.*
2. *Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests 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 937606.*

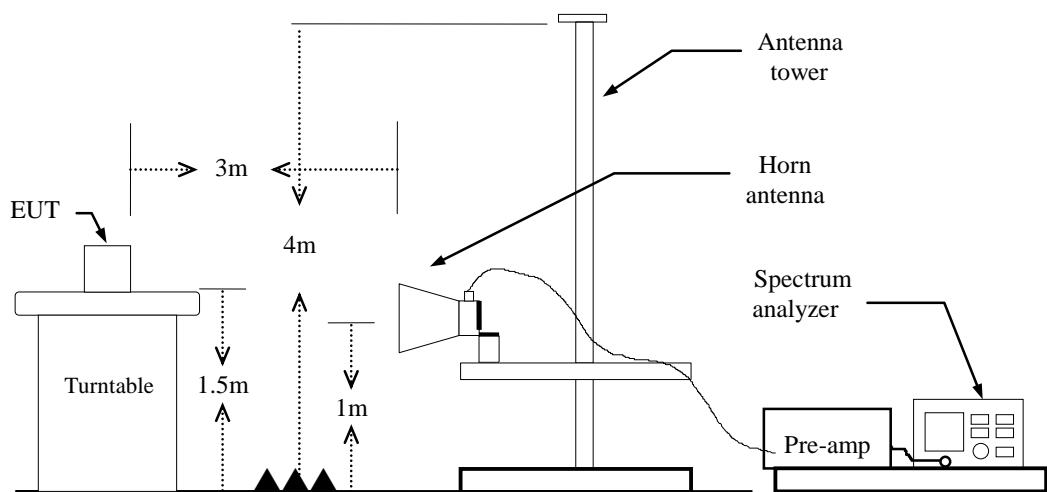
#### 4.4.3 Test Setup

##### 9kHz ~ 30MHz

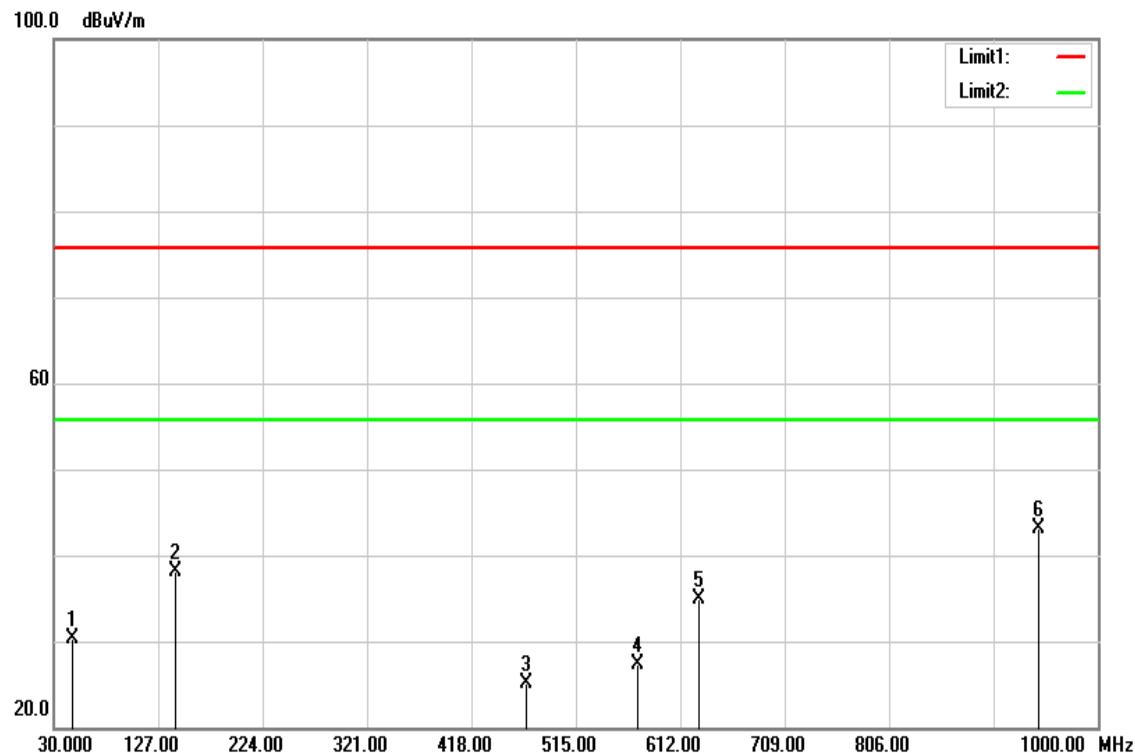


##### 30MHz ~ 1 GHz

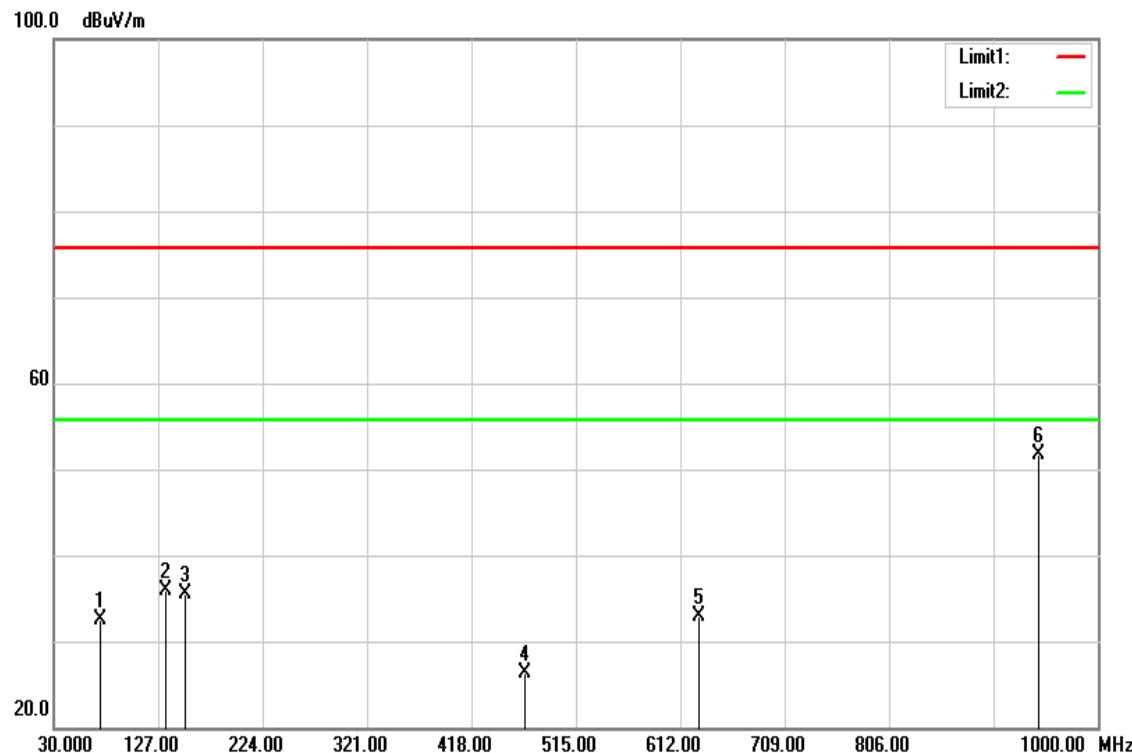


**Above 1 GHz****4.4.4 Test Result**

Pass.

**Below 1G(Polarity: Ver)****Operation Mode:** Tx-315 MHz**Test Date:** November 14, 2016**Temp/Hum:** 27°C/53% RH**Tested by:** Dennis. Li.

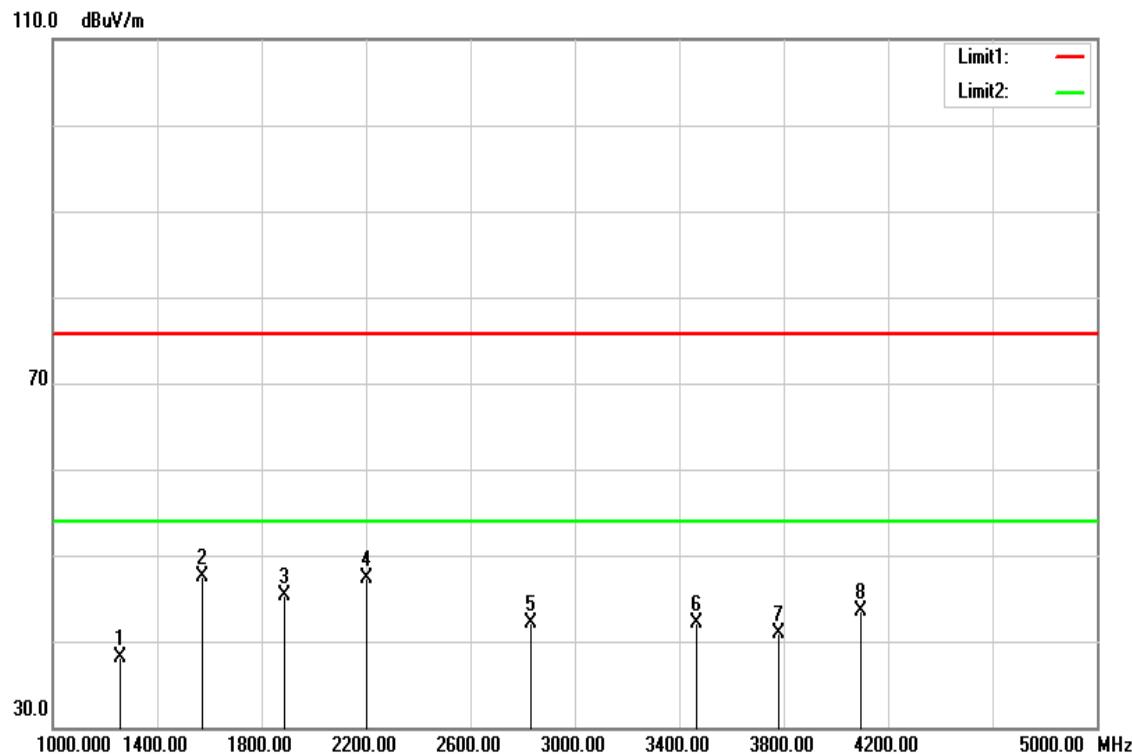
Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Pol. (H/V)
47.46	49.89	-19.61	30.28	75.62	-45.34	peak	V
143.49	54.01	-15.88	38.13	75.62	-37.49	peak	V
468.44	35.00	-9.84	25.16	75.62	-50.46	peak	V
572.23	35.46	-8.17	27.29	75.62	-48.33	peak	V
629.46	42.02	-7.06	34.96	75.62	-40.66	peak	V
944.71	45.65	-2.48	43.17	75.62	-32.45	peak	V

**Below 1G(Polarity : Hor)****Operation Mode:** TX-315 MHz**Temp/Hum:** 28°C/53% RH**Test Date:** November 14, 2016**Tested by:** Dennis. Li.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Pol. (H/V)
72.68	53.36	-20.86	32.50	75.62	-43.12	peak	H
133.79	51.69	-15.69	36.00	75.62	-39.62	peak	H
152.22**	51.71	-16.13	35.58	43.52	-7.94	peak	H
467.47	36.12	-9.86	26.26	75.62	-49.36	peak	H
629.46	39.95	-7.06	32.89	75.62	-42.73	peak	H
944.71	54.16	-2.48	51.68	75.62	-23.94	peak	H

**Remark:**

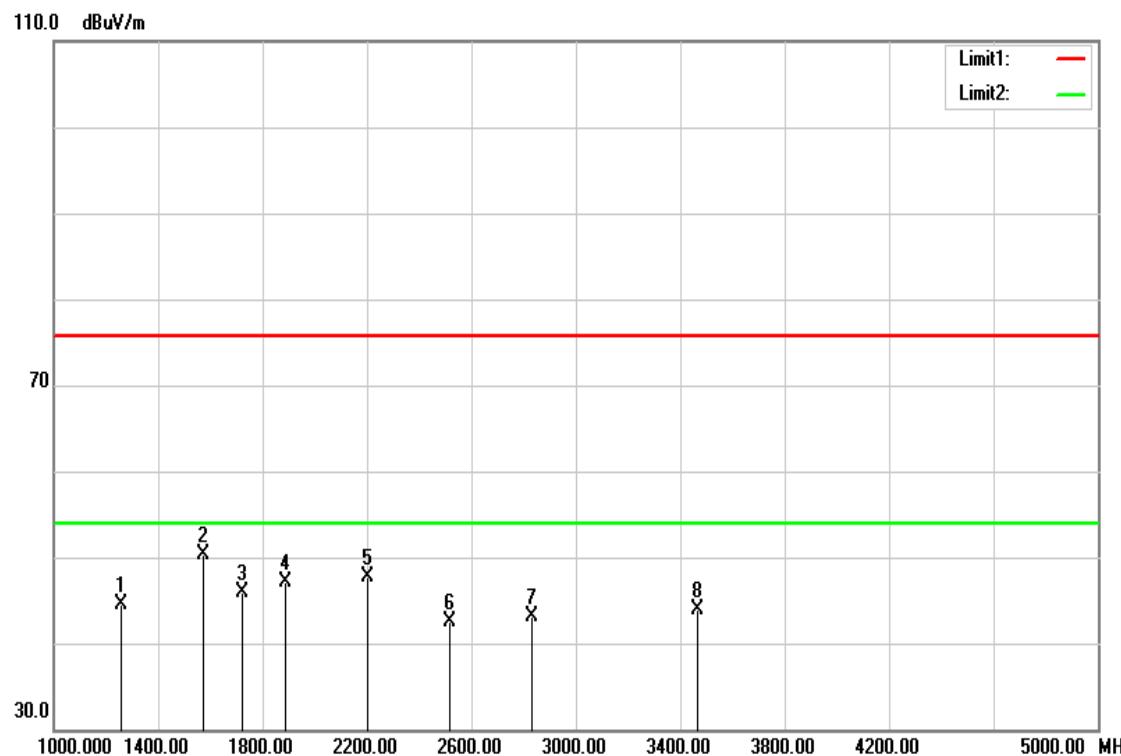
1. \*\* means emission locates in restricted bands and complies with 15.209 limit.

**Above 1G(Polarity: Ver)****Operation Mode:** TX-315 MHz**Test Date:** Oct 26, 2016**Temp/Hum:** 27°C/53% RH**Tested by:** Dennis. Li.

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Pol. (H/V)
1259	45.07	-7.03	38.04	74.00	-35.96	peak	V
1574	53.38	-5.81	47.57	74.00	-28.43	peak	V
1889	49.52	-4.17	45.35	74.00	-28.65	peak	V
2204	50.35	-3.14	47.21	74.00	-26.79	peak	V
2834	43.19	-1.01	42.18	74.00	-31.82	peak	V
3464	41.69	0.49	42.18	74.00	-31.82	peak	V
3779	39.25	1.67	40.92	74.00	-33.08	peak	V
4094	40.67	2.87	43.54	74.00	-30.46	peak	V

**Remark:**

2. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
3. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

**Above 1G(Polarity: Hor)****Operation Mode:** Tx-315 MHz**Test Date:** Oct 26, 2016**Temp/Hum:** 27°C/53% RH**Tested by:** Dennis. Li

Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark	Ant.Pol. (H/V)
1259	51.51	-7.03	44.48	74.00	-29.52	peak	H
1574	56.19	-5.81	50.38	74.00	-23.62	peak	H
1721	50.95	-5.05	45.90	74.00	-28.10	peak	H
1889	51.18	-4.17	47.01	74.00	-26.99	peak	H
2204	50.85	-3.14	47.71	74.00	-26.29	peak	H
2519	44.22	-1.81	42.41	74.00	-31.59	peak	H
2834	44.18	-1.01	43.17	74.00	-30.83	peak	H
3464	43.48	0.49	43.97	74.00	-30.03	peak	H

**Remark:**

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. For above 1GHz, the EUT peak value was under average limit, therefore the Average value compliance with the average limit.

## 4.5 DEACTIVATION TIME

### 4.5.1 Test Limit

According to §15.231(a) and RSS-210 section A.1.1

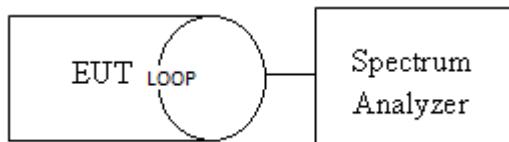
Limit	within 5 seconds
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### 4.5.2 Test Procedure

Test method Refer as ANSI 63.10:2013 clause 7.4

The Loop antenna connected to the spectrum analyzer, was touching to the transmitter antenna. Set the RBW=1MHz, VBW =1MHz, Span = Zero Span, Detector = Peak, Trace mode = Max hold, Sweep = 10s. Measure

### 4.5.3 Test Setup



### 4.5.4 Test Result

Dwell Time		
Operation condition	Burst Duration (ms)	Limits
Manually Operated	43.48	5 seconds

## Test Data

