

# FCC 15B Test Report

**Equipment** : Bluetooth 4.2 Dual Mode USB HCI Module  
(Refer to item 1.1.1 for more details)

**Model No.** : BT850-SA  
(Refer to item 1.1.1 for more details)

**Brand Name** : Laird

**Applicant** : Laird Technologies, Inc.

**Address** : W66N220 Commerce Court, Cedarburg,  
Wisconsin 53012, USA

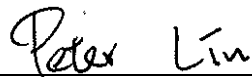
**Standard** : FCC Part 15, Subpart B, Class B  
ICES-003 Issue 6  
ANSI C63.4:2014

**Received Date** : Sep. 28, 2017

**Tested Date** : Oct. 13 ~ Oct. 17, 2017

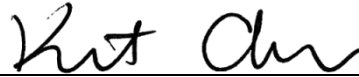
We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:



Peter Lin / Supervisor

Approved by:



Kent Chen / Assistant Manager



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## Release Record

Report No.	Version	Description	Issued Date
FD791801	Rev. 01	Initial issue	Nov. 30, 2017

## Summary of Test Results

FCC Part 15, Subpart B Emission Tests				
Ref. Std. Clause	Test Standard	Test Items	Measured	Result
15.107	FCC Part 15, Subpart B, Class B	Conducted Emissions	-19.68dB QP@ 0.150MHz.	Pass
15.109	FCC Part 15, Subpart B, Class B	Radiated Emissions	-3.02dB QP@ 51.34MHz.	Pass

# 1 General Description

## 1.1 Information

### 1.1.1 Product Details

The following models are provided to this EUT.

Brand Name	Model Name	Product Name	Description
Laird	BT850-SA	Bluetooth 4.2 Dual Mode USB HCI Module	chip antenna
	BT850-ST		trace to external antenna
	BT860-SA	Bluetooth 4.2 Dual Mode UART HCI Module	chip antenna
	BT860-ST		trace to external antenna

### 1.1.2 Feature of Equipment under Test (EUT)

<b>Power Supply Type</b>	3.3Vdc from host
<b>Highest Frequency of the Internal Sources</b>	2.4GHz

### 1.1.3 Accessories

N/A

## 1.2 Test Equipment and Calibration Data

<b>Test Item</b>	Conducted Emission				
<b>Test Site</b>	Conduction room 1 / (CO01-WS)				
<b>Test Date</b>	Oct. 13, 2017				
<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
Receiver	R&S	ESR3	101657	Dec. 21, 2016	Dec. 20, 2017
LISN	SCHWARZBECK	Schwarzbeck 8127	8127-667	Nov. 08, 2016	Nov. 07, 2017
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127-666	Nov. 25, 2016	Nov. 24, 2017
RF Cable-CON	EMC	EMCCFD300-BM-BM-6000	50821	Dec. 20, 2016	Dec. 19, 2017
50 ohm terminal (Support Unit)	NA	50	04	May 12, 2017	May 11, 2018
Measurement Software	AUDIX	e3	6.120210k	NA	NA

Note: Calibration Interval of instruments listed above is one year.

<b>Test Item</b>	Radiated Emission below 1GHz				
<b>Test Site</b>	966 chamber 2 / (03CH02-WS)				
<b>Test Date</b>	Oct. 17, 2017				
<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
Receiver	R&S	ESR3	101657	Dec. 21, 2016	Dec. 20, 2017
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 10, 2016	Nov. 09, 2017
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-523	Nov. 07, 2016	Nov. 06, 2017
Preamplifier	EMC	EMC02325	980194	Sep. 25, 2017	Sep. 24, 2018
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	16051	Dec. 09, 2016	Dec. 08, 2017
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-003	Dec. 09, 2016	Dec. 08, 2017
LF cable 10M	EMCC	CFD400-E	CFD400-001	Dec. 09, 2016	Dec. 08, 2017
Measurement Software	AUDIX	e3	6.120210g	NA	NA

Note: Calibration Interval of instruments listed above is one year.

<b>Test Item</b>	Radiated Emission above 1GHz				
<b>Test Site</b>	966 chamber 2 / (03CH02-WS)				
<b>Test Date</b>	Oct. 17, 2017				
<b>Instrument</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Calibration Date</b>	<b>Calibration Until</b>
Spectrum Analyzer	R&S	FSV40	101499	Dec. 16, 2016	Dec. 15, 2017
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1095	Sep. 22, 2017	Sep. 21, 2018
Preamplifier	Agilent	83017A	MY39501309	Sep. 25, 2017	Sep. 24, 2018
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16140/4	Dec. 09, 2016	Dec. 08, 2017
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16018/4	Dec. 09, 2016	Dec. 08, 2017
Measurement Software	AUDIX	e3	6.120210g	NA	NA

Note: Calibration Interval of instruments listed above is one year.

### 1.3 Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

FCC Part 15, Subpart B, Class B  
ICES-003 Issue 6  
ANSI C63.4:2014

### 1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ( $k=2$ ))

Measurement Uncertainty		
Test Item	Frequency	Uncertainty
Conducted Emissions	150kHz ~ 30MHz	$\pm 2.90$ dB
	30MHz ~ 1GHz	$\pm 3.80$ dB
Radiated Emissions	Above 1GHz	$\pm 5.60$ dB

## 2 Test Configuration

### 2.1 Testing Condition

Test Item	Test Site	Ambient Condition	Tested By
AC Conduction	CO01-WS	23°C/58%	Alex Tsai
Radiated Emissions ≤1GHz	03CH02-WS	23°C/61%	Alex Tsai
Radiated Emissions >1GHz	03CH02-WS	23°C/61%	Alex Tsai

- FCC site registration No.: 03CH02-WS: 933633
- IC site registration No.: 03CH02-WS: 10807A-2

### 2.2 The Worst Case Measurement Configuration

Radiation Pretest Mode	
Pretest Mode	Operating Description
1	Model: BT850-SA, BT Link, EUT: Y-axis
2	Model: BT850-ST, BT Link, EUT: Y-axis with Dipole Antenna
3	Model: BT850-ST, BT Link, EUT: Y-axis with PCB Dipole Antenna
4	Model: BT850-ST, BT Link, EUT: Y-axis with PIFA Antenna (001-0014)
5	Model: BT850-ST, BT Link, EUT: Y-axis with PIFA Antenna (001-0030)
6	Model: BT860-ST, BT Link, EUT: Y-axis with Dipole Antenna

For **Pretest Mode 2** is the worst case and only its data was record in this test report.

The Determined Worst Case Configurations	
Conducted Emissions	
Test Mode	Operating Description
1	Model: BT850-ST, BT Link, EUT: Y-axis with Dipole Antenna
Radiated Emissions	
Test Mode ≤ 1GHz	Operating Description
1	Model: BT850-ST, BT Link, EUT: Y-axis with Dipole Antenna
Test Mode > 1GHz	Operating Description
1	Model: BT850-ST, BT Link, EUT: Y-axis with Dipole Antenna

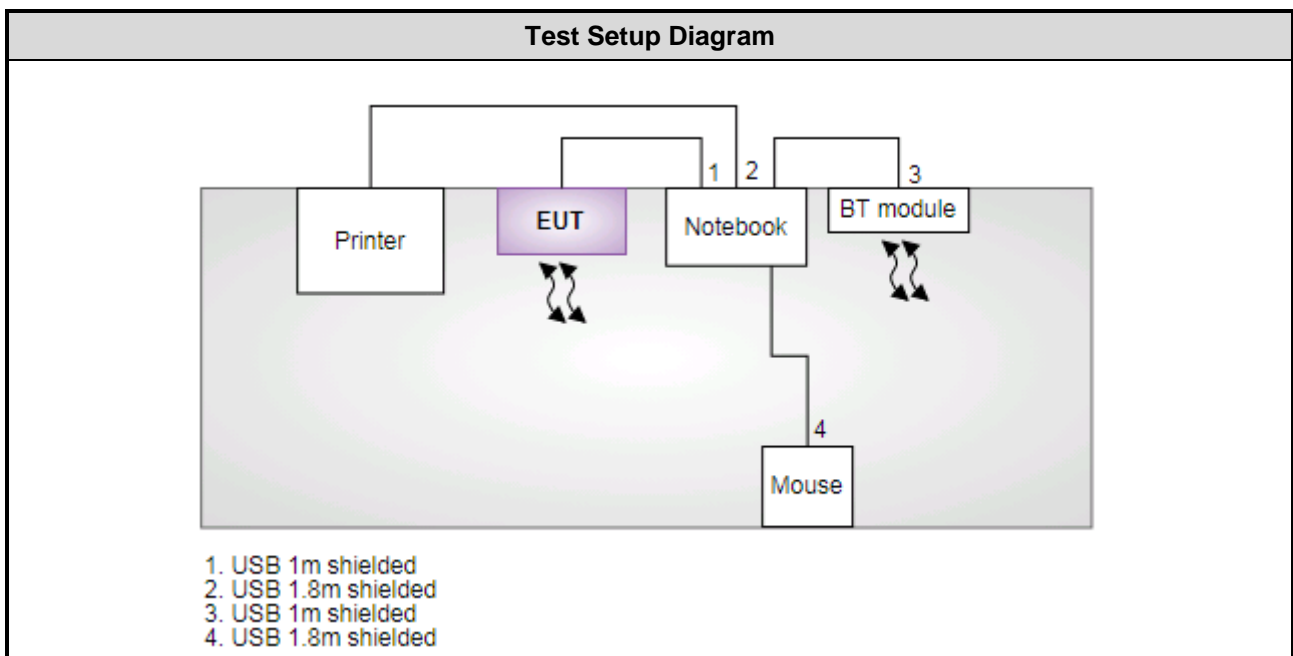


## 2.3 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	S/N	Signal cable / Length (m)
1	Notebook	DELL	Latitude E6440	8VXMD12	USB 1m shielded
2	Printer	EPSON	XP-30	QSDK002410	USB, 1.8m shielded
3	Mouse	DELL	MS111-L	2C3-00MM	USB, 1.8m shielded
4	BT module	Laird	BT850-SA	---	USB 1m shielded

Note: No. 4 was supplied by applicant.

## 2.4 Test Setup Chart



## 2.5 Test Software and Operating Condition

- a. To enable all functions of test system.
- b. The notebook executed "WinEMC.exe" to send "H" patterns to the printer and screen
- c. The support notebook executed "BlueTool.exe" for data transmission.

## 3 Emission Tests Results

### 3.1 Conducted Emissions

#### 3.1.1 Limit of Conducted Emissions

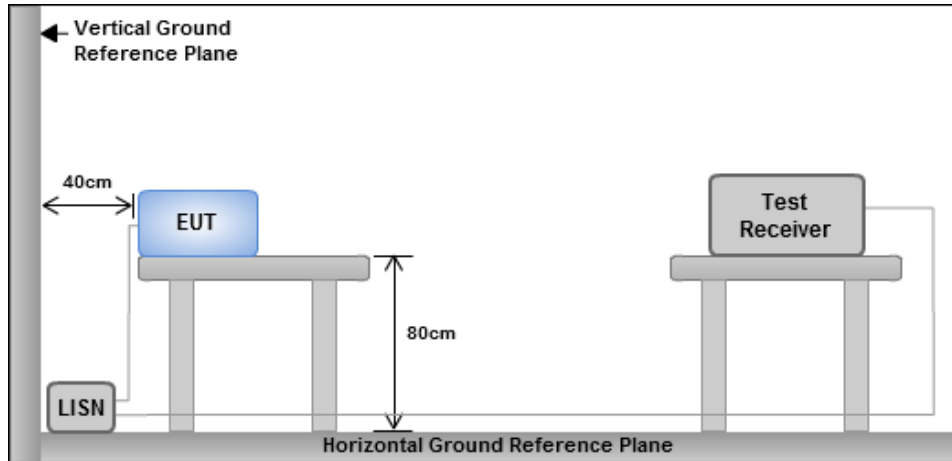
Applicable Standard: FCC Part 15, Subpart B §15.107, ICES-003 §6.1				
Frequency Range (MHz)	Class A (dB $\mu$ V)		Class B (dB $\mu$ V)	
	Limits			
	Quasi-peak	Average	Quasi-peak	Average
0,15 to 0,5	79	66	66 to 56	56 to 46
0,5 to 5	73	60	56	46
5 to 30	73	60	60	50

Note 1: The lower limit shall apply at the transition frequencies.  
 Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

#### 3.1.2 Test Procedures

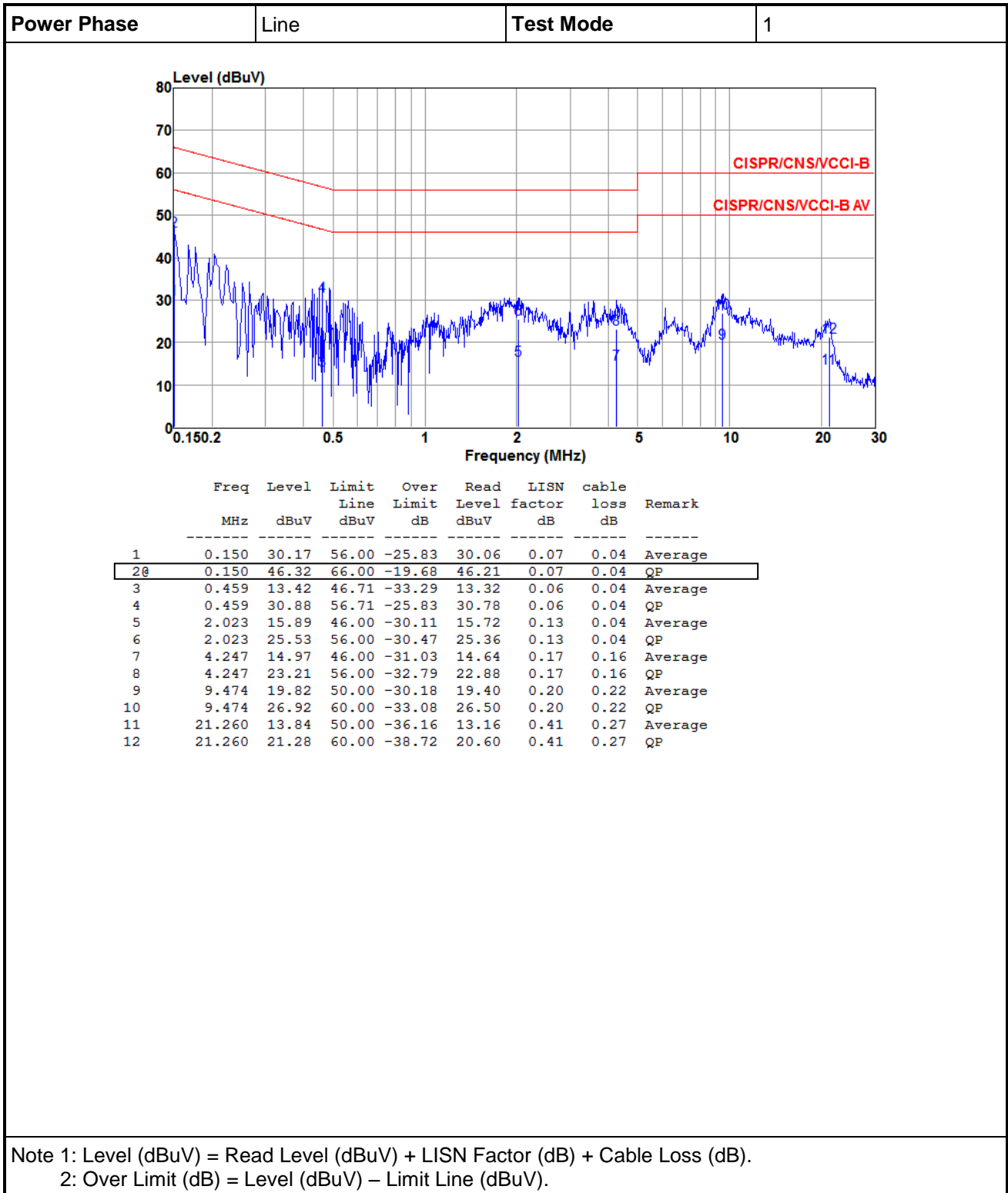
- The EUT was placed on a table with a height of 0.8 meters from the metal ground plane and 0.4 meters from the conducting wall of the shielding room and it was kept at least 0.8 meters from any other grounded conducting surface.
- The test equipment EUT installed received DC power through a Line Impedance Stabilization Network (LISN), which supplied power source and was grounded to the ground plane.
- All the support units were connected to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The CISPR states that a 50 ohm, 50 microhenry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The measurement frequency range extends from 150 kHz to 30 MHz.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

### 3.1.3 Test Setup

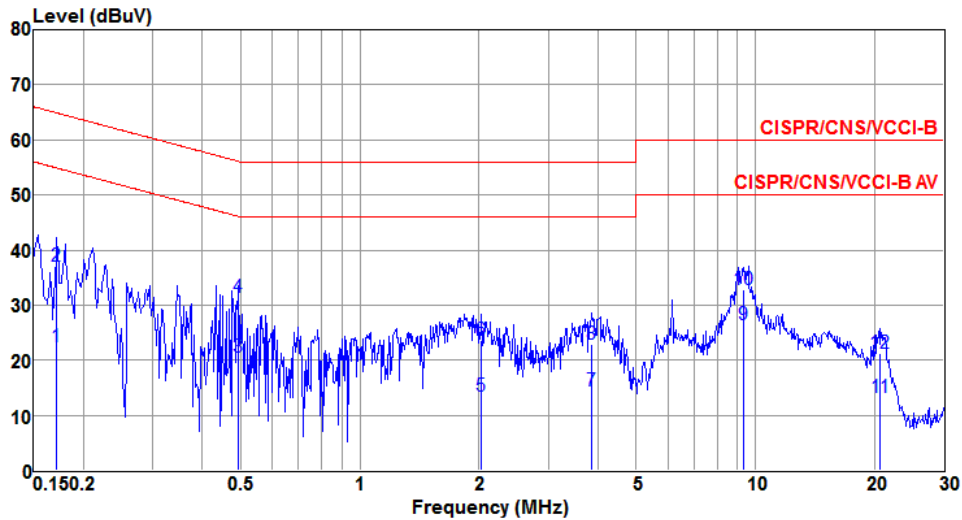


- Note: 1. Support units were connected to second LISN.**  
**2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes**

### 3.1.4 Test Result of Conducted Emissions



<b>Power Phase</b>	Neutral	<b>Test Mode</b>	1
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	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	LISN factor dB	cable loss dB	Remark
1	0.171	22.42	54.90	-32.48	22.28	0.10	0.04	Average
2	0.171	36.95	64.90	-27.95	36.81	0.10	0.04	QP
3	0.494	20.52	46.10	-25.58	20.36	0.12	0.04	Average
4	0.494	31.45	56.10	-24.65	31.29	0.12	0.04	QP
5	2.033	13.48	46.00	-32.52	13.28	0.16	0.04	Average
6	2.033	23.61	56.00	-32.39	23.41	0.16	0.04	QP
7	3.840	14.48	46.00	-31.52	14.19	0.14	0.15	Average
8	3.840	22.80	56.00	-33.20	22.51	0.14	0.15	QP
9①	9.302	26.41	50.00	-23.59	25.89	0.30	0.22	Average
10	9.302	32.72	60.00	-27.28	32.20	0.30	0.22	QP
11	20.704	13.16	50.00	-36.84	12.48	0.42	0.26	Average
12	20.704	21.29	60.00	-38.71	20.61	0.42	0.26	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).  
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

## 3.2 Radiated Emissions

### 3.2.1 Limit of Radiated Emissions

According to FCC Part 15, Subpart B §15.109, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of Emission (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705-108	1000
108-500	2000
500-1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

Note: According to FCC Part 15, Subpart B §15.33: For an unintentional radiator is shown in the table above.

### 3.2.2 Test Procedures

#### Measuring below 1 GHz:

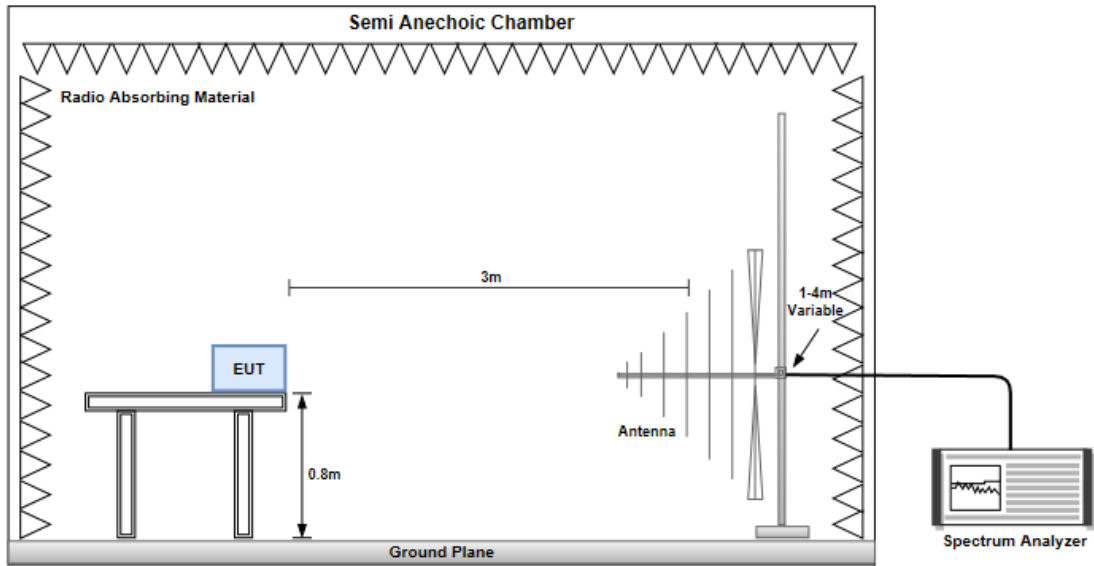
- a. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at a height of 0.8 m test table above the ground plane.
- b. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
- c. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

#### Measuring above 1 GHz:

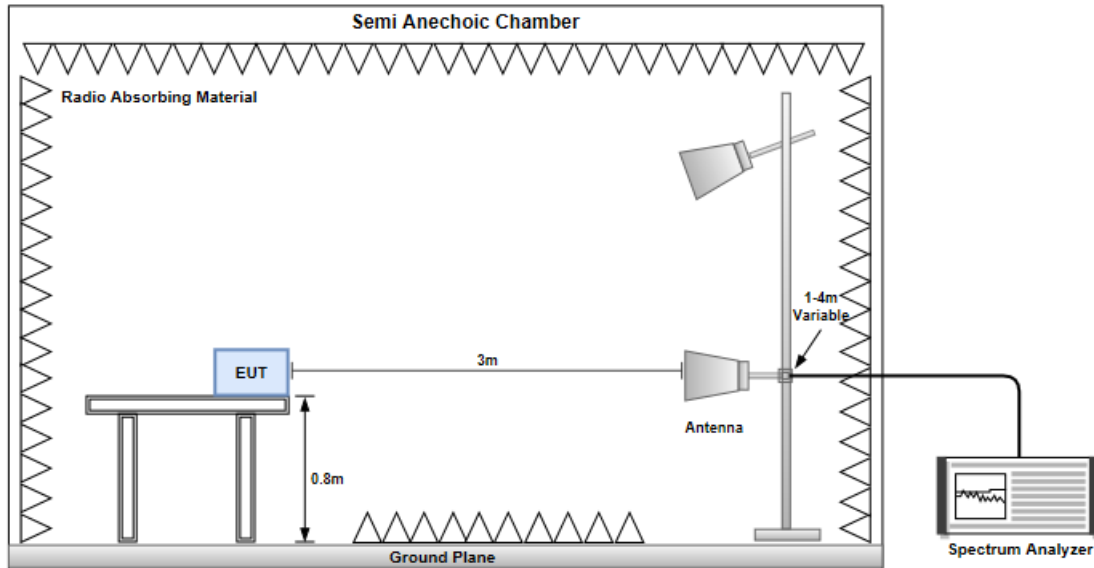
- a. Same test set up as below 1GHz radiated testing.
- b. The EUT was set 3 meters from the interference-receiving antenna which was mounted on the top of a variable height antenna tower.
- c. There should be absorber placed between the EUT and Antenna and its located size should let the test site meet CISPR16-1-4 requirement.
- d. The table was rotated 360 degrees to determine the position of the highest radiation.
- e. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.
- f. Set the Horn Antenna at 1m height, then run the turn table to get the maximum noise reading from Horizontal and Vertical polarity separately.
- g. When EUT locating on the turn-table, the Horn Antenna must be raised up and descended down, then turning around the turn-table to get the maximum noise reading of the Horizontal and Vertical polarity separately. Note the maximum raise up height is same as the top of EUT.
- h. If emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

### 3.2.3 Test Setup

#### Radiated Emissions below 1 GHz

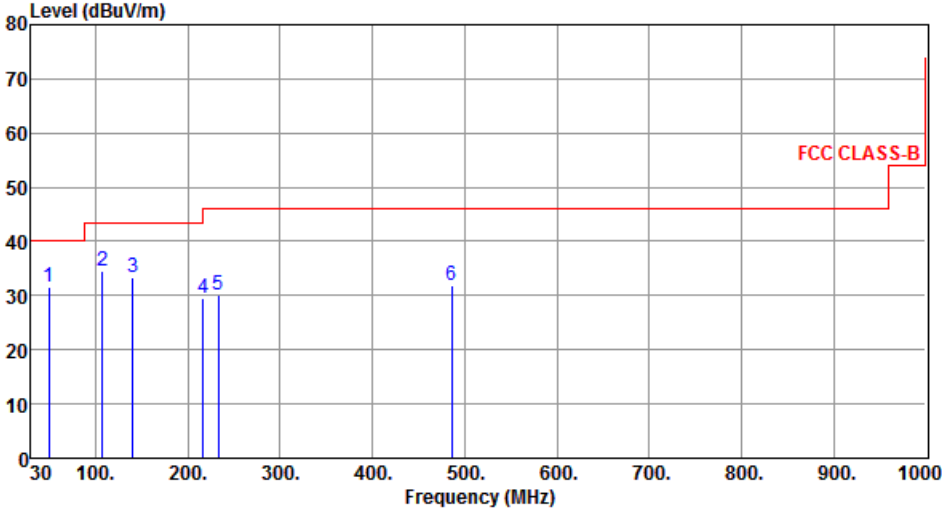


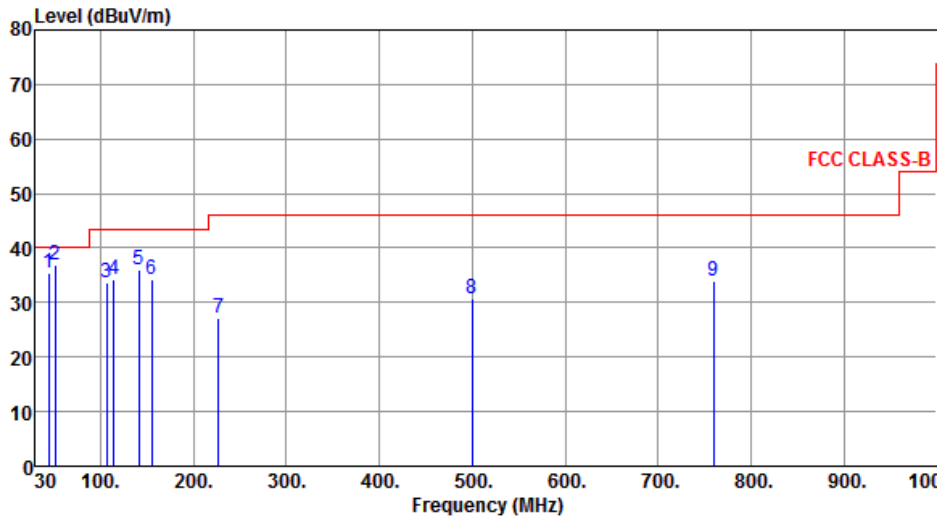
#### Radiated Emissions above 1 GHz



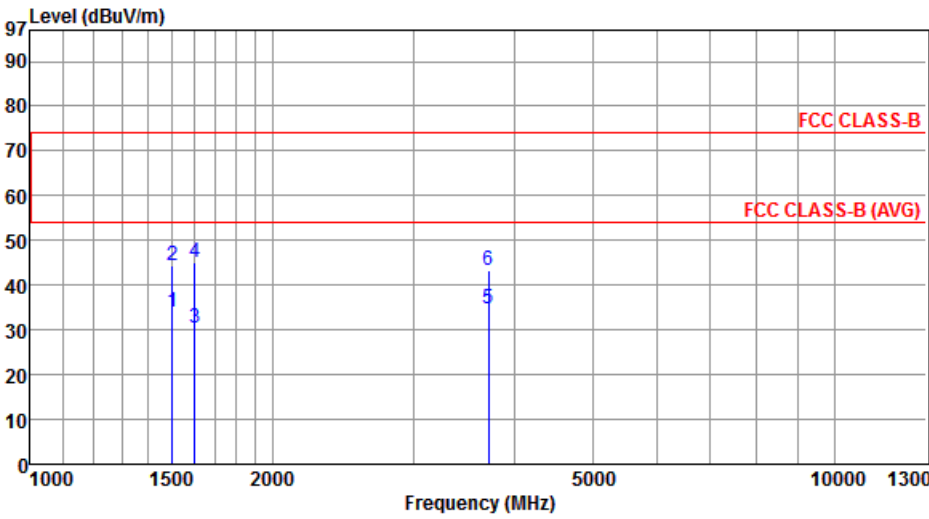


### 3.2.4 Radiated Emissions (Below 1GHz)

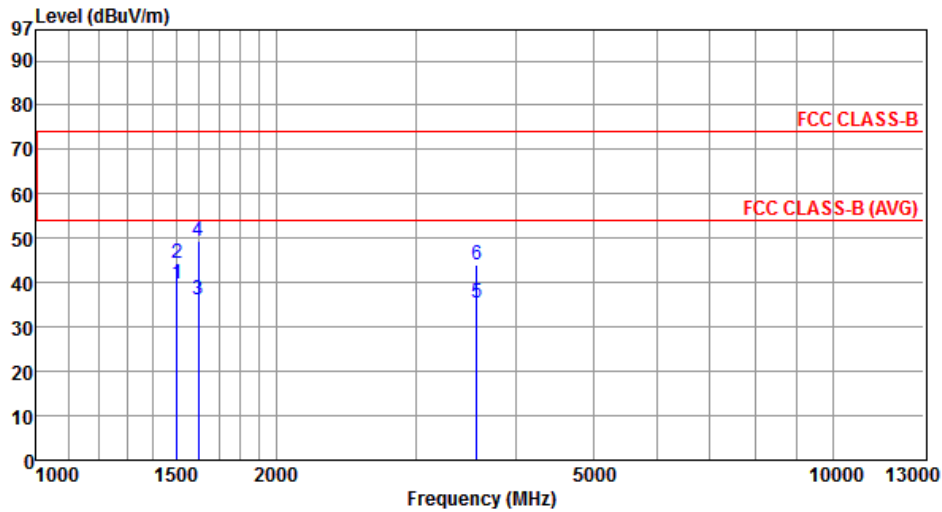
Polarization	Horizontal	Test Mode	1																																																																
																																																																			
	<table border="1"> <thead> <tr> <th>Freq. MHz</th> <th>Emission level dBUV/m</th> <th>Limit dBUV/m</th> <th>Margin dB</th> <th>SA reading dBUV</th> <th>Factor dB</th> <th>Remark</th> <th>ANT High cm</th> <th>Turn Table deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>49.40</td> <td>40.00</td> <td>-8.52</td> <td>39.75</td> <td>-8.27</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>2</td> <td>107.60</td> <td>43.50</td> <td>-8.82</td> <td>46.43</td> <td>-11.75</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>3</td> <td>140.58</td> <td>43.50</td> <td>-10.20</td> <td>41.75</td> <td>-8.45</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>4</td> <td>216.24</td> <td>46.00</td> <td>-16.45</td> <td>40.63</td> <td>-11.08</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>5</td> <td>232.73</td> <td>46.00</td> <td>-15.96</td> <td>40.09</td> <td>-10.05</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> <tr> <td>6</td> <td>485.90</td> <td>46.00</td> <td>-14.06</td> <td>34.90</td> <td>-2.96</td> <td>Peak</td> <td>---</td> <td>---</td> </tr> </tbody> </table>	Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg	1	49.40	40.00	-8.52	39.75	-8.27	Peak	---	---	2	107.60	43.50	-8.82	46.43	-11.75	Peak	---	---	3	140.58	43.50	-10.20	41.75	-8.45	Peak	---	---	4	216.24	46.00	-16.45	40.63	-11.08	Peak	---	---	5	232.73	46.00	-15.96	40.09	-10.05	Peak	---	---	6	485.90	46.00	-14.06	34.90	-2.96	Peak	---	---			
Freq. MHz	Emission level dBUV/m	Limit dBUV/m	Margin dB	SA reading dBUV	Factor dB	Remark	ANT High cm	Turn Table deg																																																											
1	49.40	40.00	-8.52	39.75	-8.27	Peak	---	---																																																											
2	107.60	43.50	-8.82	46.43	-11.75	Peak	---	---																																																											
3	140.58	43.50	-10.20	41.75	-8.45	Peak	---	---																																																											
4	216.24	46.00	-16.45	40.63	-11.08	Peak	---	---																																																											
5	232.73	46.00	-15.96	40.09	-10.05	Peak	---	---																																																											
6	485.90	46.00	-14.06	34.90	-2.96	Peak	---	---																																																											
<p>Note 1: Emission level (dBUV/m) = SA reading (dBUV) + Factor (dB)            2: Margin (dB) = Emission level (dBUV/m) – Limit (dBUV/m)</p>																																																																			

Polarization	Vertical	Test Mode	1						
									
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
	1	44.55	35.36	40.00	-4.64	43.55	-8.19	QP	100 156
	2	51.34	36.98	40.00	-3.02	45.40	-8.42	QP	100 215
	3	106.63	33.79	43.50	-9.71	45.73	-11.94	Peak	---
	4	114.39	34.24	43.50	-9.26	45.01	-10.77	Peak	---
	5	141.55	36.16	43.50	-7.34	44.60	-8.44	Peak	---
	6	155.13	34.31	43.50	-9.19	42.55	-8.24	Peak	---
	7	226.91	27.11	46.00	-18.89	37.57	-10.46	Peak	---
	8	500.00	30.60	46.00	-15.40	33.28	-2.68	Peak	---
	9	760.00	33.87	46.00	-12.13	31.76	2.11	Peak	---
<p>Note 1: Emission level (dBuV/m) = SA reading (dBuV) + Factor (dB)            2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m)</p>									

### 3.2.5 Radiated Emissions (Above 1GHz)

Polarization	Horizontal	Test Mode	1																																																																															
																																																																																		
	<table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission level</th> <th>Limit</th> <th>Margin</th> <th>SA reading</th> <th>Factor</th> <th>Remark</th> <th>ANT High</th> <th>Turn Table</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB</th> <th></th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1500.00</td> <td>33.88</td> <td>54.00</td> <td>-20.12</td> <td>40.08</td> <td>-6.20</td> <td>Average</td> <td>125</td> <td>166</td> </tr> <tr> <td>2</td> <td>1500.00</td> <td>44.46</td> <td>74.00</td> <td>-29.54</td> <td>50.66</td> <td>-6.20</td> <td>Peak</td> <td>125</td> <td>166</td> </tr> <tr> <td>3</td> <td>1600.00</td> <td>30.32</td> <td>54.00</td> <td>-23.68</td> <td>36.07</td> <td>-5.75</td> <td>Average</td> <td>140</td> <td>140</td> </tr> <tr> <td>4</td> <td>1600.00</td> <td>45.19</td> <td>74.00</td> <td>-28.81</td> <td>50.94</td> <td>-5.75</td> <td>Peak</td> <td>140</td> <td>140</td> </tr> <tr> <td>5</td> <td>3712.00</td> <td>34.61</td> <td>54.00</td> <td>-19.39</td> <td>33.14</td> <td>1.47</td> <td>Average</td> <td>113</td> <td>300</td> </tr> <tr> <td>6</td> <td>3712.00</td> <td>43.46</td> <td>74.00</td> <td>-30.54</td> <td>41.99</td> <td>1.47</td> <td>Peak</td> <td>113</td> <td>300</td> </tr> </tbody> </table>	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table	MHz	dBuV/m	dBuV/m	dB	dBuV	dB		cm	deg	1	1500.00	33.88	54.00	-20.12	40.08	-6.20	Average	125	166	2	1500.00	44.46	74.00	-29.54	50.66	-6.20	Peak	125	166	3	1600.00	30.32	54.00	-23.68	36.07	-5.75	Average	140	140	4	1600.00	45.19	74.00	-28.81	50.94	-5.75	Peak	140	140	5	3712.00	34.61	54.00	-19.39	33.14	1.47	Average	113	300	6	3712.00	43.46	74.00	-30.54	41.99	1.47	Peak	113	300			
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<p>Note 1: Emission level (dBuV/m) = SA reading (dBuV) + Factor (dB)            2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m)</p>																																																																																		

<b>Polarization</b>	Vertical	<b>Test Mode</b>	1
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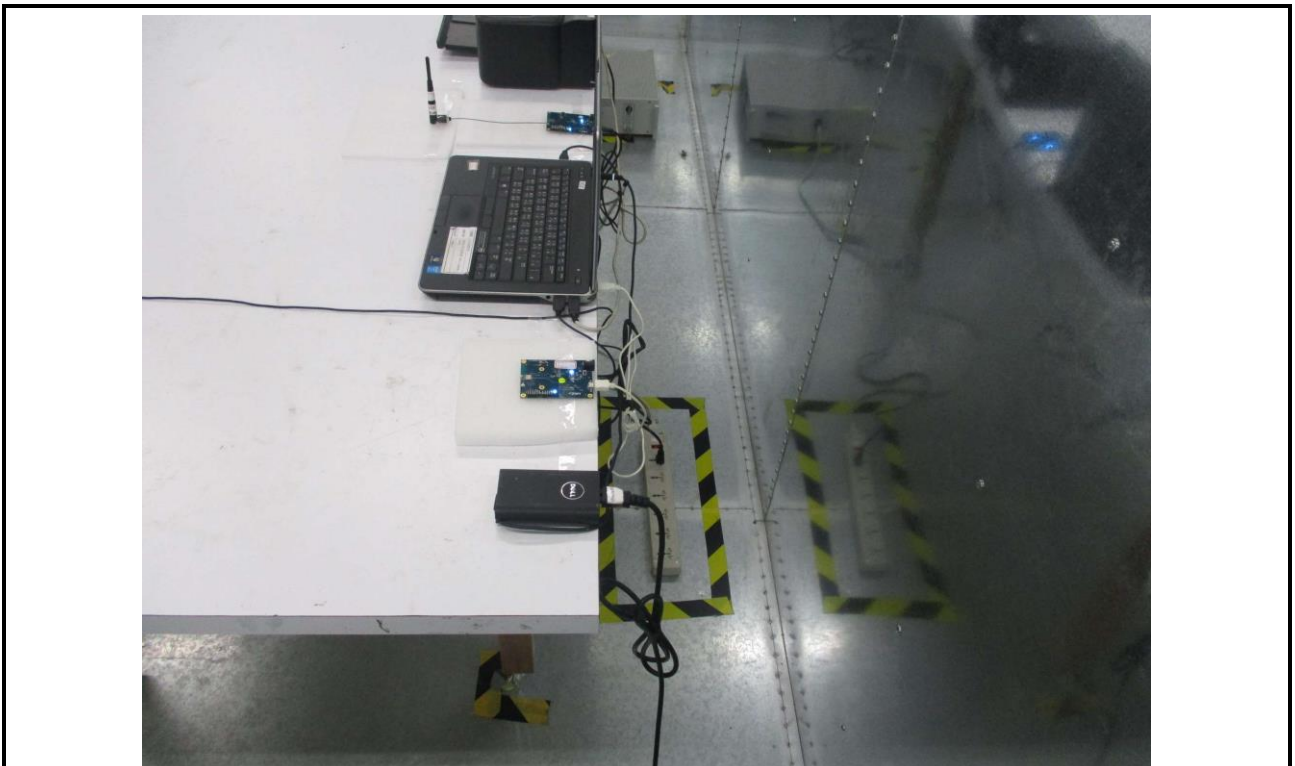
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB	Remark	ANT High cm	Turn Table deg
1	1500.00	39.81	54.00	-14.19	46.01	-6.20	Average	100	355
2	1500.00	44.35	74.00	-29.65	50.55	-6.20	Peak	100	355
3	1598.00	36.19	54.00	-17.81	41.94	-5.75	Average	100	120
4	1598.00	49.45	74.00	-24.55	55.20	-5.75	Peak	100	120
5	3567.00	35.37	54.00	-18.63	34.35	1.02	Average	100	258
6	3567.00	43.98	74.00	-30.02	42.96	1.02	Peak	100	258

Note 1: Emission level (dBuV/m) = SA reading (dBuV) + Factor (dB)

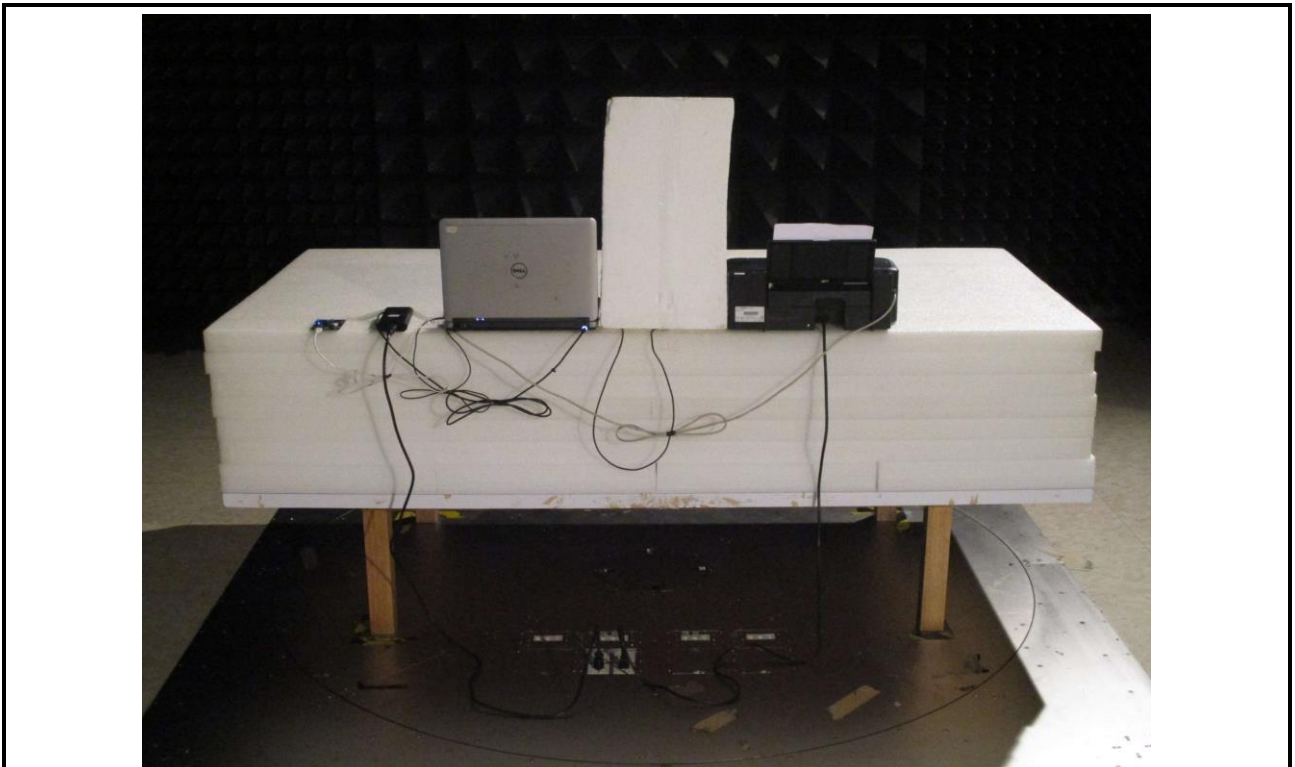
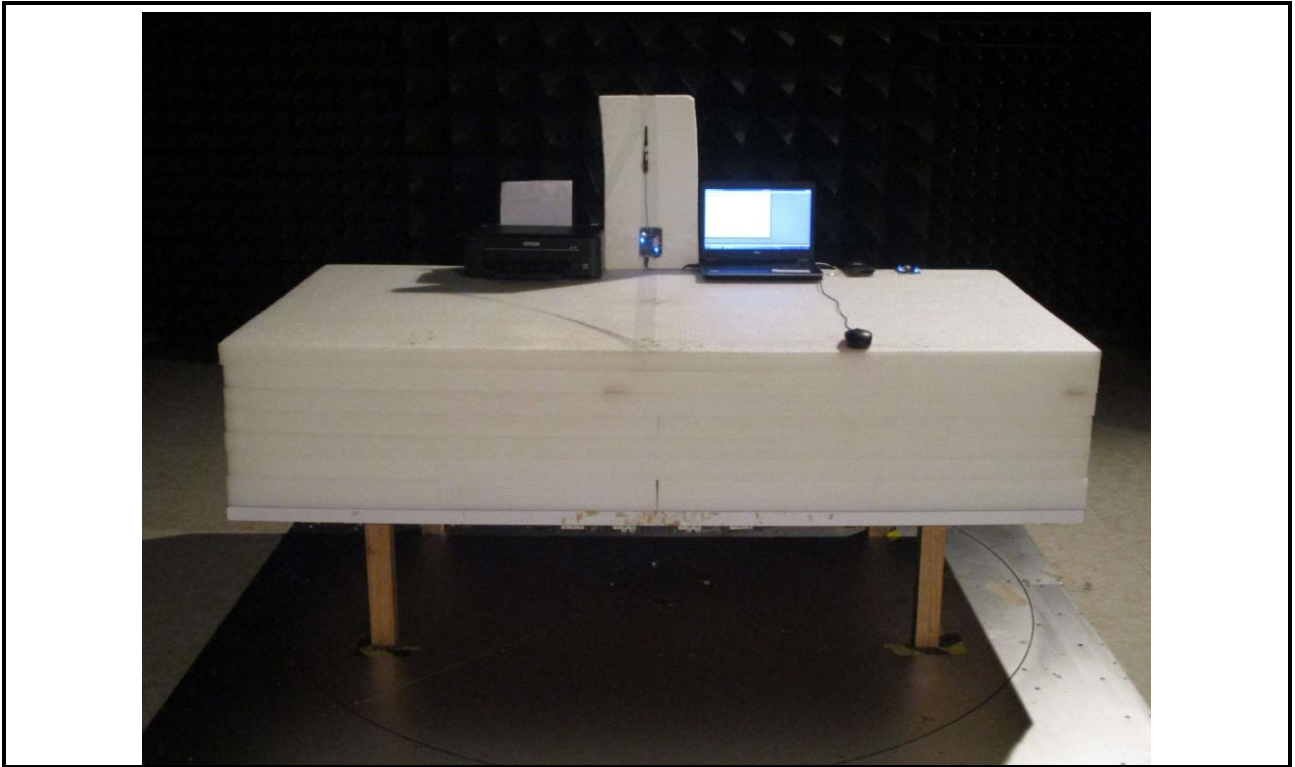
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m)

## 4 Photographs of the Test Configuration

### Conducted Emission Test

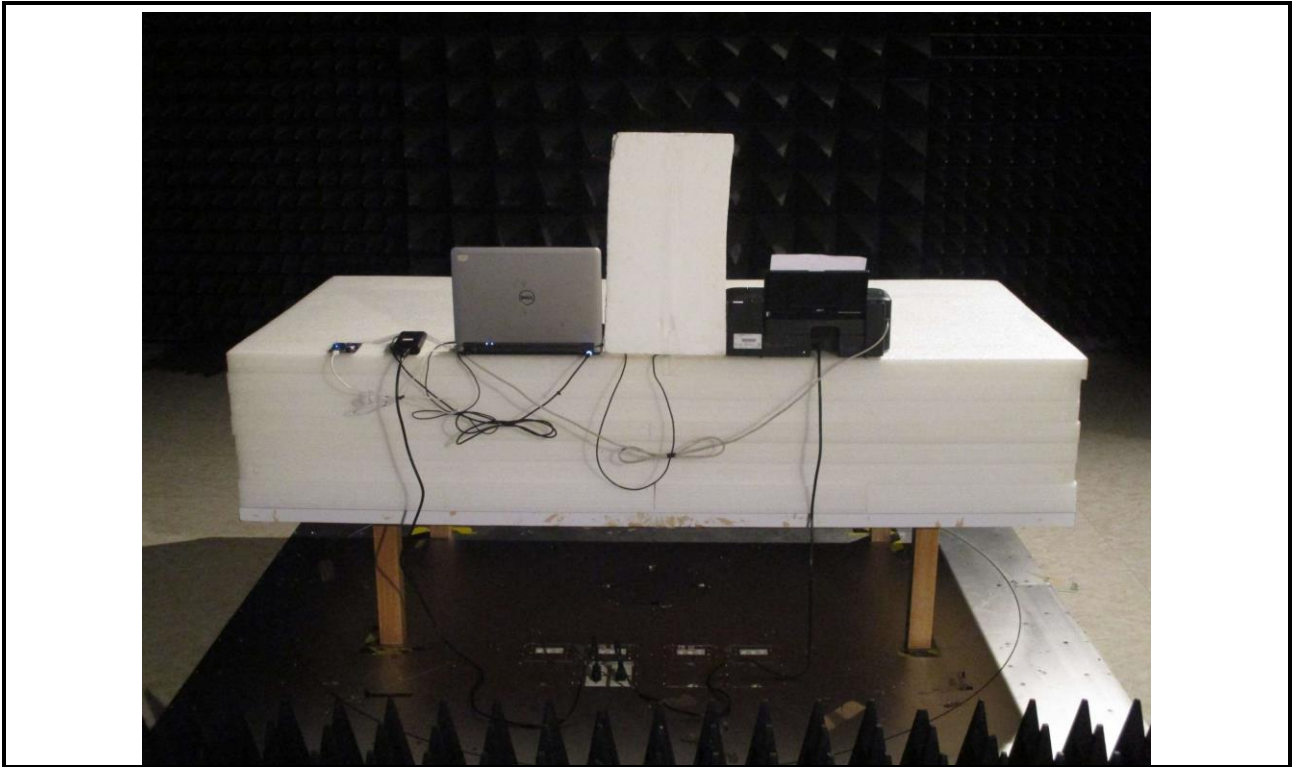
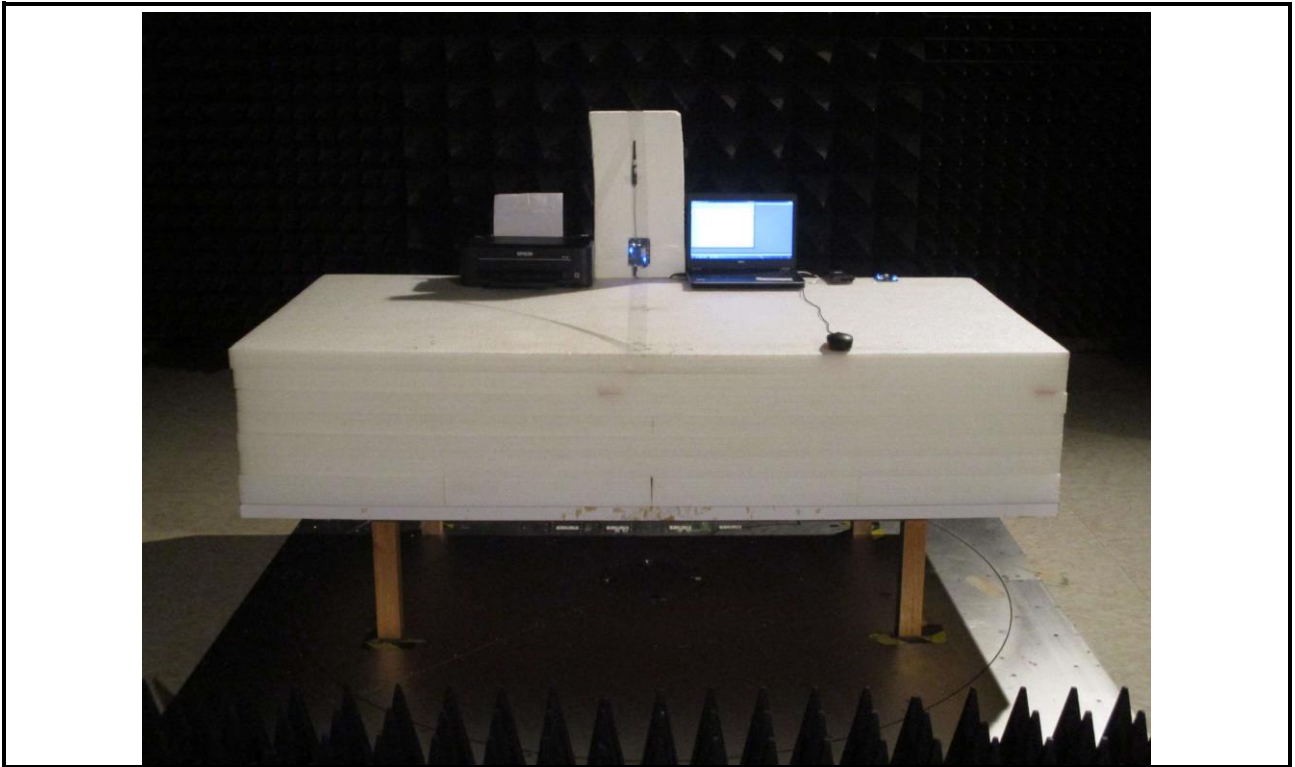


**Radiated Emission Below 1GHz Test**





**Radiated Emission Above 1GHz Test**



## 5 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

### **Linkou**

Tel: 886-2-2601-1640

No. 30-2, Ding Fwu Tsuen, Lin Kou  
District, New Taipei City, Taiwan,  
R.O.C.

### **Kwei Shan**

Tel: 886-3-271-8666

No. 3-1, Lane 6, Wen San 3rd  
St., Kwei Shan District, Tao Yuan  
City 333, Taiwan, R.O.C.

### **Kwei Shan Site II**

Tel: 886-3-271-8640

No. 14-1, Lane 19, Wen San 3rd  
St., Kwei Shan District, Tao Yuan  
City 333, Taiwan, R.O.C.

If you have any suggestion, please feel free to contact us as below information

Tel: 886-3-271-8666

Fax: 886-3-318-0155

Email: ICC\_Service@icertifi.com.tw

==END==