

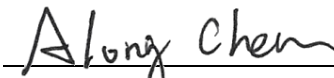
FCC C2PC Test Report

FCC ID : 2ALXJ-MTW200
Equipment : Meeting Owls 3
Model No. : MTW300
Brand Name : OWLLabs™
Applicant : Owl Labs Inc
Address : 33-1/2 Union Sq
Somerville, MA 02143 United States Of America
Standard : 47 CFR FCC Part 15.247
Received Date : Dec. 27, 2021
Tested Date : Jan. 10 ~ Jan. 12, 2022

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. 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:

Approved by:



Along Chen / Assistant Manager



Gary Chang / Manager

Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Local Support Equipment List	8
1.3	Test Setup Chart	8
1.4	Test Equipment List and Calibration Data.....	9
1.5	Test Standards	10
1.6	Reference Guidance	10
1.7	Deviation from Test Standard and Measurement Procedure.....	10
1.8	Measurement Uncertainty	10
2	TEST CONFIGURATION	11
2.1	Testing Facility.....	11
2.2	The Worst Test Modes and Channel Details	11
3	TRANSMITTER TEST RESULTS.....	12
3.1	Conducted Emissions.....	12
3.2	Emissions in Restricted Frequency Bands.....	15
4	TEST LABORATORY INFORMATION	21

Release Record

Report No.	Version	Description	Issued Date
FR971702-08AE	Rev. 01	Initial issue	Jan. 25, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 6.056MHz 50.81 (Margin -9.19dB) - QP	Pass
15.247(d) 15.209	Radiated Emissions	[dBuV/m at 3m]: 30.00MHz 32.85 (Margin -7.15dB) - PK	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

This is a Class II Permissive Change report (C2PC).

This report is issued as a supplementary report to the original project no. FR971702AE. The modification is concerned with following item:

- ✧ Adding a non-RF function PCB
- ✧ Non-RF function of main PCB is modified.
- ✧ Housing is modified to cover new non-RF function PCB.
- ✧ USB connector is changed.

Therefore, conducted emissions & radiated emission tests had been re-tested.

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information				
Frequency Range (MHz)	Bluetooth Mode	Ch. Freq. (MHz)	Channel Number	Data Rate
2400-2483.5	V5.0 LE	2402-2480	0-39 [40]	1 Mbps
2400-2483.5	V5.0 LE	2402-2480	0-39 [40]	2 Mbps

Note: Bluetooth LE (Low energy) uses GFSK modulation.

1.1.2 Antenna Details

Ant. No.	Model	Type	Gain (dBi)	Connector	Remark
1	SRF2W012-150	PCB	3.0	MHF IPEX	---

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from adapter
--------------------------	--------------------

1.1.4 Accessories

Accessories		
No.	Equipment	Description
1	AC Adapter	Brand: HOLOTO Model: ADS-40SI-12-2 12036E Power Rating: I/P: 100-240Vac, 50/60Hz, 1A Max O/P: 12Vdc, 3A Power Line: DC 1.49m non-shielded without core AC 2.13m non-shielded without core
2	Type C Cable	1.8m non-shielded without core

1.1.5 Channel List

Frequency band (MHz)				2400~2483.5			
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
37	2402	9	2422	18	2442	28	2462
0	2404	10	2424	19	2444	29	2464
1	2406	38	2426	20	2446	30	2466
2	2408	11	2428	21	2448	31	2468
3	2410	12	2430	22	2450	32	2470
4	2412	13	2432	23	2452	33	2472
5	2414	14	2434	24	2454	34	2474
6	2416	15	2436	25	2456	35	2476
7	2418	16	2438	26	2458	36	2478
8	2420	17	2440	27	2460	39	2480

1.1.6 Test Tool and Duty Cycle

Test Tool	QRCT, version: 3.0.298.0		
Duty Cycle and Duty Factor	Modulation Mode	Duty Cycle (%)	Duty Factor (dB)
	GFSK/1Mbps	63.89%	1.95

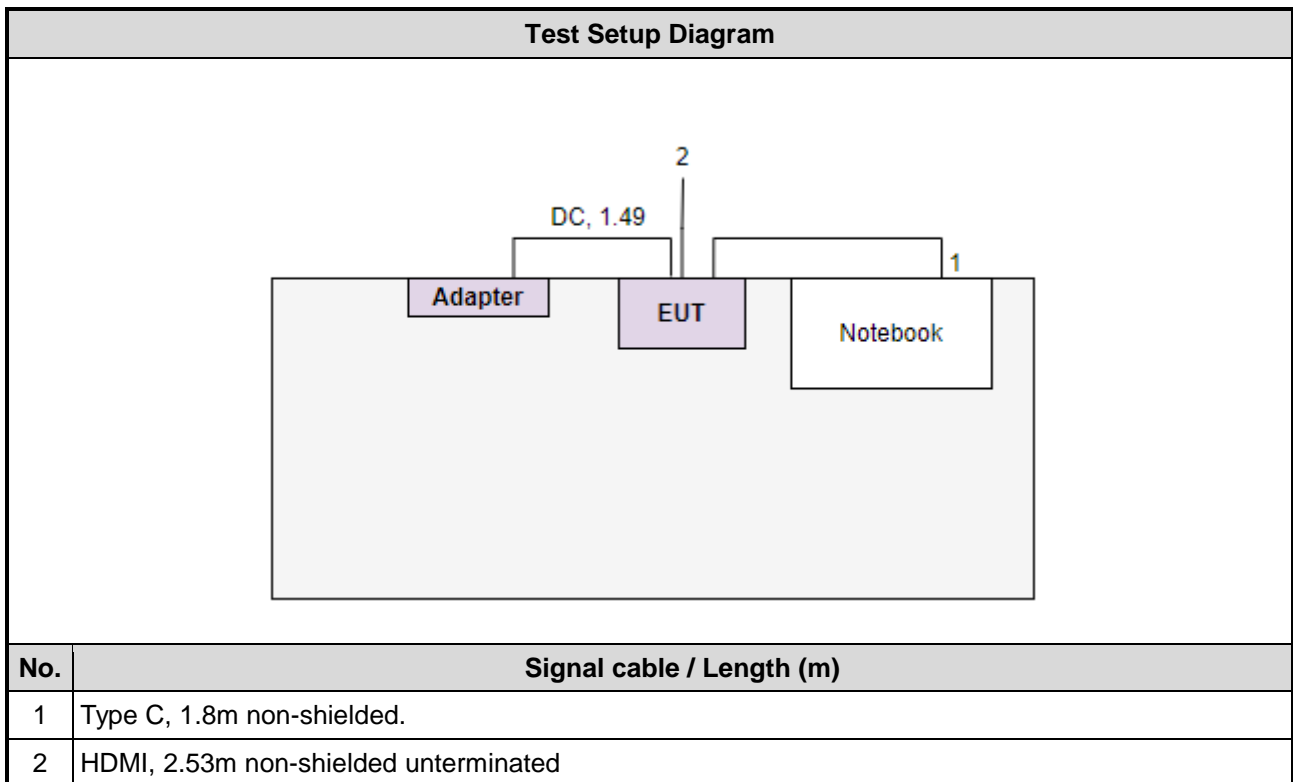
1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	
	2402	2480
GFSK/1Mbps	Default	Default

1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Notebook	DELL	Latitude E5470	DoC	Provided by applicant.
2	HDMI Cable	---	---	---	Provided by applicant.

1.3 Test Setup Chart



1.4 Test Equipment List and Calibration Data

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Jan. 12, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 08, 2021	Feb. 07, 2022
LISN	R&S	ENV216	101579	Mar. 17, 2021	Mar. 16, 2022
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127477	Feb. 25, 2021	Feb. 24, 2022
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 19, 2021	Oct. 18, 2022
50 ohm terminal (Support Unit)	NA	50	04	May 25, 2021	May 24, 2022
Measurement Software	AUDIX	e3	6.120210k	NA	NA

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

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Jan. 10, 2022				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022
Spectrum Analyzer	R&S	FSV40	101063	Apr. 19, 2021	Apr. 18, 2022
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 08, 2021	Nov. 07, 2022
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jun. 30, 2021	Jun. 29, 2022
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 03, 2021	Dec. 02, 2022
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Nov. 04, 2021	Nov. 03, 2022
Preamplifier	EMC	EMC02325	980225	Jun. 29, 2021	Jun. 28, 2022
Preamplifier	Agilent	83017A	MY39501308	Sep. 28, 2021	Sep. 27, 2022
Preamplifier	EMC	EMC184045B	980192	Jul. 14, 2021	Jul. 13, 2022
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 05, 2021	Oct. 04, 2022
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 05, 2021	Oct. 04, 2022
LF cable 11M	EMC	EMCCFD400-NW-N W-11000	200801	Oct. 05, 2021	Oct. 04, 2022
LF cable 1M	EMC	EMCCFD400-NM-N M-1000	160502	Oct. 05, 2021	Oct. 04, 2022
RF Cable	EMC	EMC104-35M-35M- 8000	210920	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 05, 2021	Oct. 04, 2022
Measurement Software	AUDIX	e3	6.120210g	NA	NA

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

1.5 Test Standards

47 CFR FCC Part 15.247

ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 558074 D01 15.247 Meas Guidance v05r02

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

Measurement Uncertainty	
Parameters	Uncertainty
AC conducted emission	± 2.92 dB
Radiated emission ≤ 1 GHz	± 3.41 dB
Radiated emission > 1 GHz	± 4.59 dB

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Mode	Test Frequency (MHz)	Test Configuration
AC Power Line Conducted Emissions Radiated Emissions ≤ 1GHz	BT-LE(1Mbps)	2480	---
Radiated Emissions > 1GHz	BT-LE(1Mbps)	2402	---

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Test Procedures

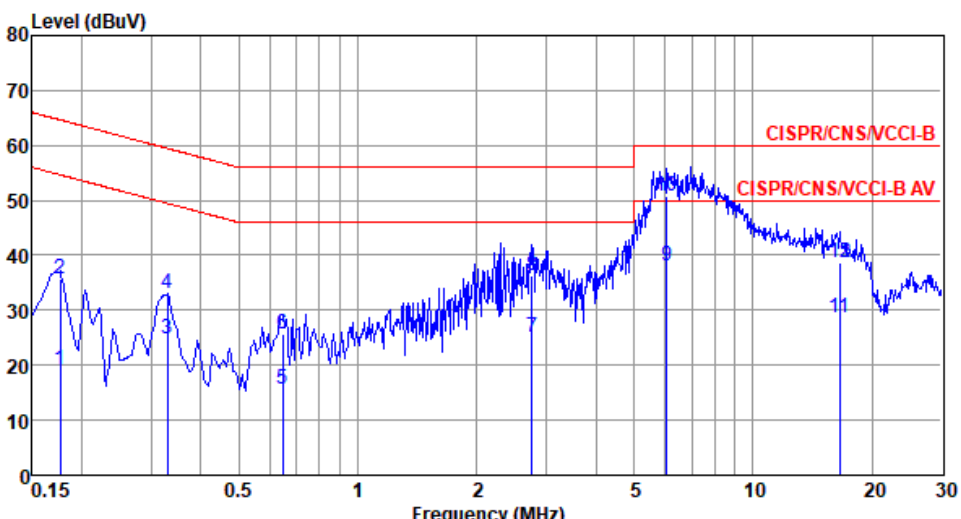
1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

3.1.3 Test Setup



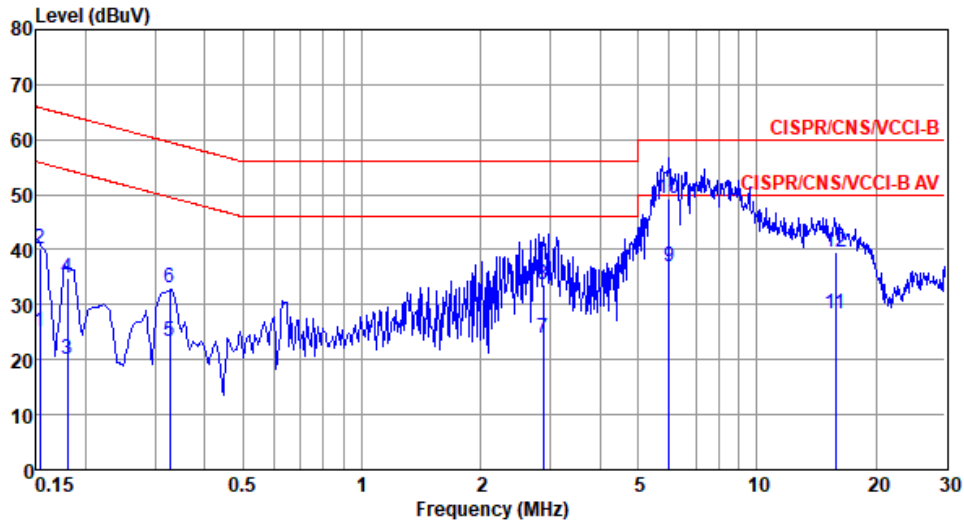
- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

Modulation	BT-LE(1Mbps)	Test Freq. (MHz)	2480																																																																																																																																		
Power Phase	Line																																																																																																																																				
Test by : Joe Liao Temperature: 14°C Humidity: 61%																																																																																																																																					
																																																																																																																																					
<table border="1"> <thead> <tr> <th></th> <th>Freq MHz</th> <th>Level dBuV</th> <th>Limit Line dBuV</th> <th>Over Limit dB</th> <th>Read Level dBuV</th> <th>Factor dB</th> <th>Cable loss dB</th> <th>Aux dB</th> <th>Remark</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.177</td><td>19.10</td><td>54.64</td><td>-35.54</td><td>9.37</td><td>9.65</td><td>0.08</td><td>0.00</td><td>Average</td></tr> <tr><td>2</td><td>0.177</td><td>35.61</td><td>64.64</td><td>-29.03</td><td>25.88</td><td>9.65</td><td>0.08</td><td>0.00</td><td>QP</td></tr> <tr><td>3</td><td>0.330</td><td>24.76</td><td>49.44</td><td>-24.68</td><td>15.04</td><td>9.64</td><td>0.08</td><td>0.00</td><td>Average</td></tr> <tr><td>4</td><td>0.330</td><td>33.10</td><td>59.44</td><td>-26.34</td><td>23.38</td><td>9.64</td><td>0.08</td><td>0.00</td><td>QP</td></tr> <tr><td>5</td><td>0.644</td><td>15.75</td><td>46.00</td><td>-30.25</td><td>5.98</td><td>9.65</td><td>0.12</td><td>0.00</td><td>Average</td></tr> <tr><td>6</td><td>0.644</td><td>25.68</td><td>56.00</td><td>-30.32</td><td>15.91</td><td>9.65</td><td>0.12</td><td>0.00</td><td>QP</td></tr> <tr><td>7</td><td>2.765</td><td>25.01</td><td>46.00</td><td>-20.99</td><td>15.15</td><td>9.66</td><td>0.20</td><td>0.00</td><td>Average</td></tr> <tr><td>8</td><td>2.765</td><td>36.37</td><td>56.00</td><td>-19.63</td><td>26.51</td><td>9.66</td><td>0.20</td><td>0.00</td><td>QP</td></tr> <tr><td>9</td><td>6.056</td><td>38.17</td><td>50.00</td><td>-11.83</td><td>28.16</td><td>9.69</td><td>0.32</td><td>0.00</td><td>Average</td></tr> <tr><td>10*</td><td>6.056</td><td>50.81</td><td>60.00</td><td>-9.19</td><td>40.80</td><td>9.69</td><td>0.32</td><td>0.00</td><td>QP</td></tr> <tr><td>11</td><td>16.573</td><td>28.53</td><td>50.00</td><td>-21.47</td><td>18.25</td><td>9.69</td><td>0.59</td><td>0.00</td><td>Average</td></tr> <tr><td>12</td><td>16.573</td><td>38.80</td><td>60.00</td><td>-21.20</td><td>28.52</td><td>9.69</td><td>0.59</td><td>0.00</td><td>QP</td></tr> </tbody> </table>					Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark	1	0.177	19.10	54.64	-35.54	9.37	9.65	0.08	0.00	Average	2	0.177	35.61	64.64	-29.03	25.88	9.65	0.08	0.00	QP	3	0.330	24.76	49.44	-24.68	15.04	9.64	0.08	0.00	Average	4	0.330	33.10	59.44	-26.34	23.38	9.64	0.08	0.00	QP	5	0.644	15.75	46.00	-30.25	5.98	9.65	0.12	0.00	Average	6	0.644	25.68	56.00	-30.32	15.91	9.65	0.12	0.00	QP	7	2.765	25.01	46.00	-20.99	15.15	9.66	0.20	0.00	Average	8	2.765	36.37	56.00	-19.63	26.51	9.66	0.20	0.00	QP	9	6.056	38.17	50.00	-11.83	28.16	9.69	0.32	0.00	Average	10*	6.056	50.81	60.00	-9.19	40.80	9.69	0.32	0.00	QP	11	16.573	28.53	50.00	-21.47	18.25	9.69	0.59	0.00	Average	12	16.573	38.80	60.00	-21.20	28.52	9.69	0.59	0.00	QP
	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark																																																																																																																												
1	0.177	19.10	54.64	-35.54	9.37	9.65	0.08	0.00	Average																																																																																																																												
2	0.177	35.61	64.64	-29.03	25.88	9.65	0.08	0.00	QP																																																																																																																												
3	0.330	24.76	49.44	-24.68	15.04	9.64	0.08	0.00	Average																																																																																																																												
4	0.330	33.10	59.44	-26.34	23.38	9.64	0.08	0.00	QP																																																																																																																												
5	0.644	15.75	46.00	-30.25	5.98	9.65	0.12	0.00	Average																																																																																																																												
6	0.644	25.68	56.00	-30.32	15.91	9.65	0.12	0.00	QP																																																																																																																												
7	2.765	25.01	46.00	-20.99	15.15	9.66	0.20	0.00	Average																																																																																																																												
8	2.765	36.37	56.00	-19.63	26.51	9.66	0.20	0.00	QP																																																																																																																												
9	6.056	38.17	50.00	-11.83	28.16	9.69	0.32	0.00	Average																																																																																																																												
10*	6.056	50.81	60.00	-9.19	40.80	9.69	0.32	0.00	QP																																																																																																																												
11	16.573	28.53	50.00	-21.47	18.25	9.69	0.59	0.00	Average																																																																																																																												
12	16.573	38.80	60.00	-21.20	28.52	9.69	0.59	0.00	QP																																																																																																																												
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB). 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).																																																																																																																																					

Modulation	BT-LE(1Mbps)	Test Freq. (MHz)	2480
Power Phase	Neutral		

Test by : Joe Liao Temperature: 14°C Humidity: 61%



	Freq MHz	Level dBuV	Limit Line dBuV	Over Limit dB	Read Level dBuV	Factor dB	Cable loss dB	Aux dB	Remark
1	0.153	25.11	55.82	-30.71	15.34	9.69	0.08	0.00	Average
2	0.153	40.13	65.82	-25.69	30.36	9.69	0.08	0.00	QP
3	0.180	20.20	54.50	-34.30	10.44	9.68	0.08	0.00	Average
4	0.180	34.78	64.50	-29.72	25.02	9.68	0.08	0.00	QP
5	0.327	23.20	49.53	-26.33	13.45	9.67	0.08	0.00	Average
6	0.327	33.03	59.53	-26.50	23.28	9.67	0.08	0.00	QP
7	2.884	23.92	46.00	-22.08	14.01	9.70	0.21	0.00	Average
8	2.884	33.56	56.00	-22.44	23.65	9.70	0.21	0.00	QP
9	5.993	36.79	50.00	-13.21	26.75	9.73	0.31	0.00	Average
10*	5.993	49.30	60.00	-10.70	39.26	9.73	0.31	0.00	QP
11	15.801	28.44	50.00	-21.56	18.05	9.81	0.58	0.00	Average
12	15.801	39.56	60.00	-20.44	29.17	9.81	0.58	0.00	QP

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

3.2 Emissions in Restricted Frequency Bands

3.2.1 Limit of Emissions in Restricted Frequency Bands

Restricted Band Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Quasi-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

3.2.2 Test Procedures

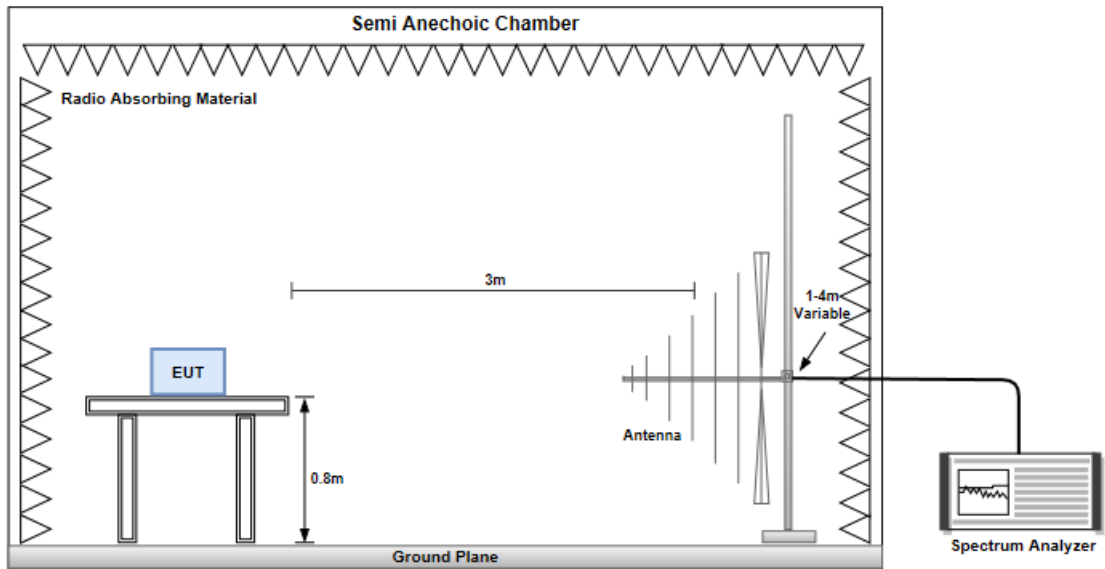
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. 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.
3. 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.

Note:

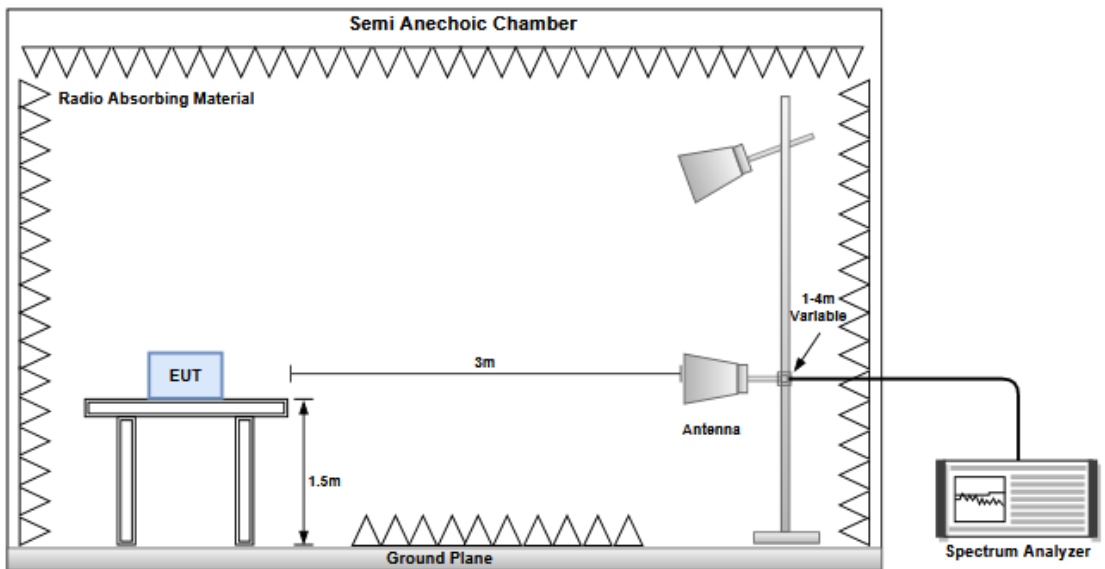
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.2.3 Test Setup

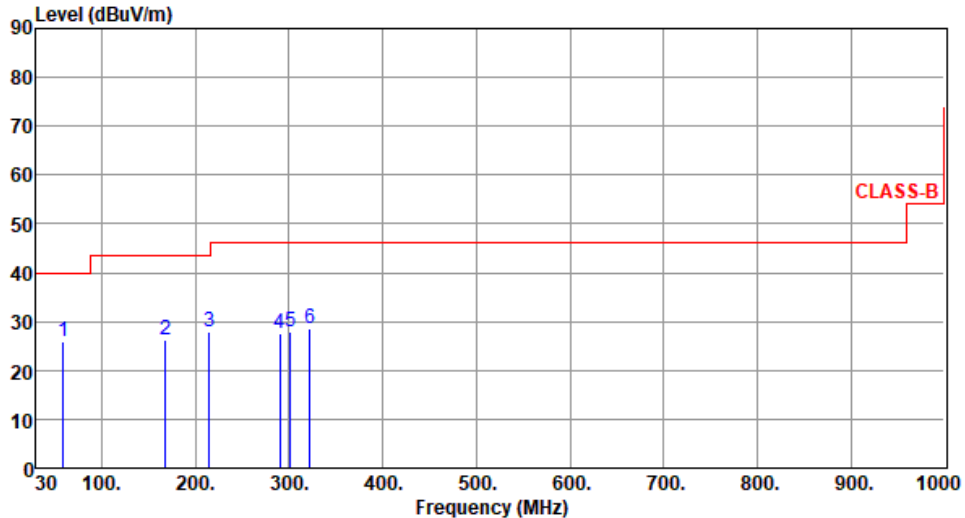
Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



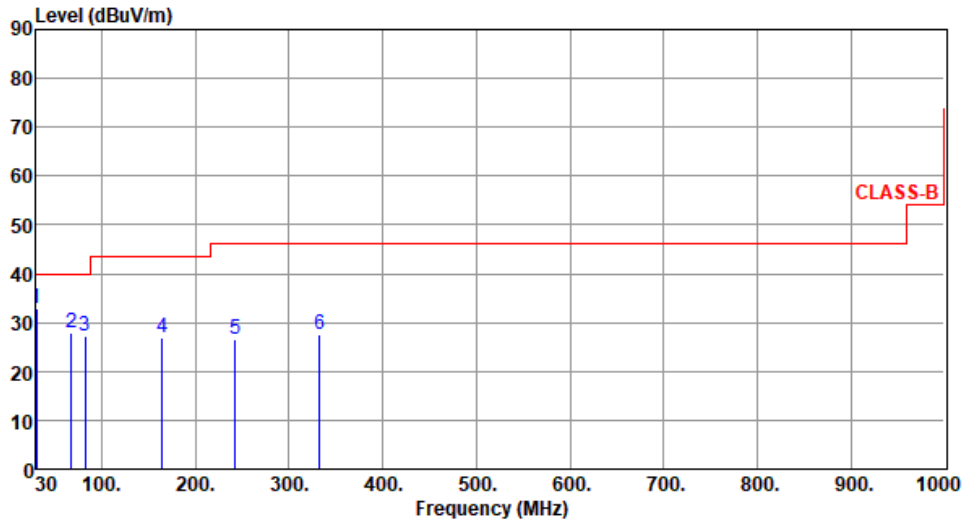
3.2.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	BT LE-1Mbps	Test Freq. (MHz)	2480						
Polarization	Horizontal								
Test By : Akun Chung Temperature(°C): 23 Humidity(%): 67									
 <p>The graph plots Level (dBuV/m) on the y-axis (0 to 90) against Frequency (MHz) on the x-axis (30 to 1000). A red line represents the Class-B limit, which is 40 dBuV/m from 30 to 100 MHz, 45 dBuV/m from 100 to 200 MHz, 46 dBuV/m from 200 to 300 MHz, and 55 dBuV/m from 300 to 1000 MHz. Six blue vertical lines indicate measured peaks at 59.10, 167.74, 215.27, 289.96, 301.60, and 321.97 MHz, with levels ranging from 26.05 to 28.62 dBuV/m.</p>									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	59.10	26.05	40.00	-13.95	35.40	-9.35	Peak	---	---
2	167.74	26.36	43.50	-17.14	35.32	-8.96	Peak	---	---
3	215.27	27.88	43.50	-15.62	39.82	-11.94	Peak	---	---
4	289.96	27.48	46.00	-18.52	35.83	-8.35	Peak	---	---
5	301.60	27.95	46.00	-18.05	36.04	-8.09	Peak	---	---
6	321.97	28.62	46.00	-17.38	36.08	-7.46	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
 *Factor includes antenna factor , cable loss and amplifier gain
 Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
 Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	BT LE-1Mbps	Test Freq. (MHz)	2480
Polarization	Vertical		

Test By :Akun Chung Temperature(°C):23 Humidity(%):67



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.00	32.85	40.00	-7.15	42.79	-9.94	Peak	---	---
2	67.83	27.87	40.00	-12.13	38.03	-10.16	Peak	---	---
3	82.38	27.07	40.00	-12.93	40.97	-13.90	Peak	---	---
4	164.83	26.99	43.50	-16.51	35.84	-8.85	Peak	---	---
5	242.43	26.64	46.00	-19.36	36.92	-10.28	Peak	---	---
6	332.64	27.63	46.00	-18.37	35.01	-7.38	Peak	---	---

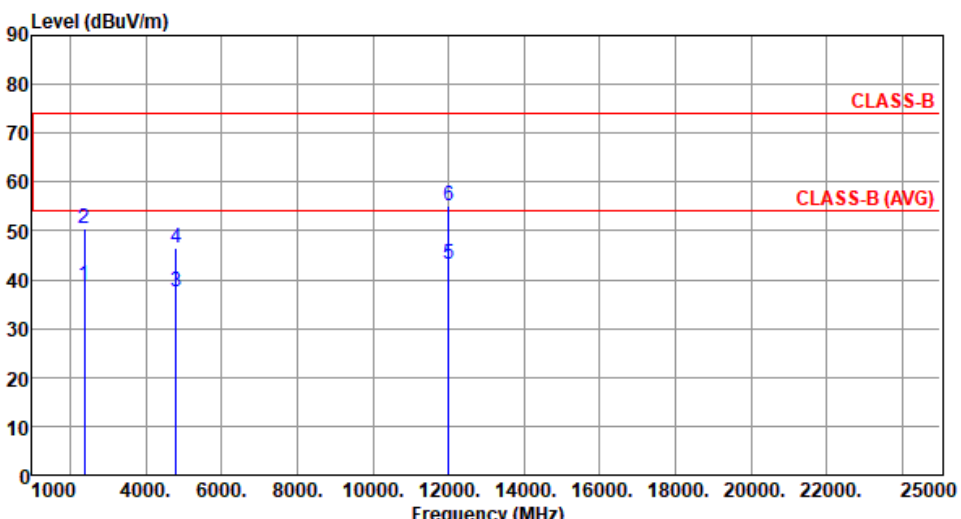
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

*Factor includes antenna factor , cable loss and amplifier gain

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

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

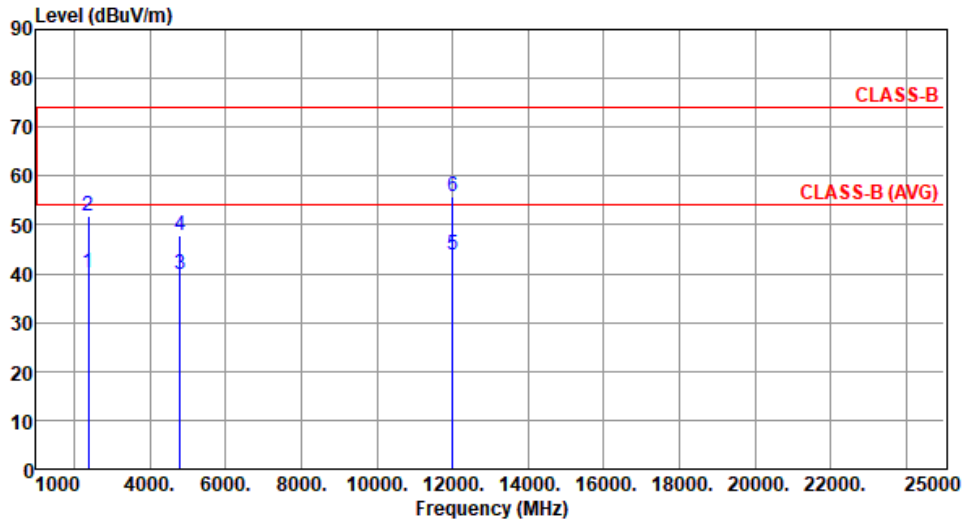
3.2.5 Transmitter Radiated Unwanted Emissions (Above 1GHz)

Modulation	BT LE-1Mbps	Test Freq. (MHz)	2402						
Polarization	Horizontal								
Test By : Akun Chung Temperature(°C): 23 Humidity(%): 67									
									
	Freq.	Emission level	Limit	Margin	SA reading	Factor	Remark	ANT High	Turn Table
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m		cm	deg
1	2390.00	38.70	54.00	-15.30	41.45	-2.75	Average	100	99
2	2390.00	50.58	74.00	-23.42	53.33	-2.75	Peak	100	99
3	4804.00	37.68	54.00	-16.32	33.55	4.13	Average	100	154
4	4804.00	46.46	74.00	-27.54	42.33	4.13	Peak	100	154
5	12010.00	43.31	54.00	-10.69	29.69	13.62	Average	100	150
6	12010.00	55.22	74.00	-18.78	41.60	13.62	Peak	100	150

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	BT LE-1Mbps	Test Freq. (MHz)	2402
Polarization	Vertical		

Test By : Akun Chung Temperature(°C): 23 Humidity(%): 67



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	2390.00	40.13	54.00	-13.87	42.88	-2.75	Average	194	134
2	2390.00	51.83	74.00	-22.17	54.58	-2.75	Peak	194	134
3	4804.00	39.79	54.00	-14.21	35.66	4.13	Average	100	103
4	4804.00	47.68	74.00	-26.32	43.55	4.13	Peak	100	103
5	12010.00	43.73	54.00	-10.27	30.11	13.62	Average	100	101
6	12010.00	55.87	74.00	-18.13	42.25	13.62	Peak	100	101

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV) + Factor* (dB/m)

*Factor includes antenna factor , cable loss and amplifier gain

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

4 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 Corporation (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 Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., 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: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==