FCC REPORT

(BLE)

Applicant:	Haier Information Technology(Shenzhen) Co., Ltd
Address of Applicant:	ROOM B4 OF FLOOR 21, NO.3 TOWER BUILDING, CHINESE TECHNOLOGY RESEARCH PARK, CHINA TECHNOLOGY EXPLOITATION INSTITUTE, GAOXIN SOUTH FIRST STREET NO.009, NANSHAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, CHINA

Equipment Under Test (EUT)

Product Name:	laptop
Model No.:	Y11C
Trade mark:	Haier
FCC ID:	2ACZD-Y11C
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	12 June, 2017
Date of Test:	12 June, to 11 July, 2017
Date of report issued:	11 July, 2017
Test Result:	PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Bruce Zhang
Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

2 Version

Version No.	Date	Description
00	*11 July, 2017*	*Original*

Tested by:  ***Date:*** *11 July, 2017*

Test Engineer

Reviewed by:  ***Date:*** *11 July, 2017*

Project Engineer

3 Contents

Page

4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
6dB Emission Bandwidth	15.247 (a)(2)	Pass
Power Spectral Density	15.247 (e)	Pass
Band Edge	15.247 (d)	Pass
Conducted and radiated Spurious Emission	15.205/15.209	Pass

Pass: The EUT complies with the essential requirements in the standard.

5 General Information

5.1 Client Information

Applicant:	Haier Information Technology(Shenzhen) Co., Ltd
Address of Applicant:	ROOM B4 OF FLOOR 21, NO.3 TOWER BUILDING, CHINESE TECHNOLOGY RESEARCH PARK, CHINA TECHNOLOGY EXPLOITATION INSTITUTE, GAOXIN SOUTH FIRST STREET NO.009, NANSHAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, CHINA
Manufacturer	Haier Information Technology(Shenzhen) Co., Ltd
Address of Manufacturer:	ROOM B4 OF FLOOR 21, NO.3 TOWER BUILDING, CHINESE TECHNOLOGY RESEARCH PARK, CHINA TECHNOLOGY EXPLOITATION INSTITUTE, GAOXIN SOUTH FIRST STREET NO.009, NANSHAN DISTRICT, SHENZHEN CITY, GUANGDONG PROVINCE, CHINA
Factory:	CHUNGHSIN INTERNATIONAL ELECTRONICS CO., LTD.
Address of Factory:	618-2# Gongren West Road, Jiaojiang, Taizhou City, Zhejiang, PR.China

5.2 General Description of E.U.T.

Product Name:	laptop
Model No.:	Y11C
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	-4.0 dBi
Power supply:	Rechargeable Li-ion Battery DC7.6V-5000mAh
AC adapter:	Adapter(1): Model: PS36A120Y3000H Input: AC100-240V, 50/60Hz, 1.0A Output: DC 12.0V, 3.0A Adapter(2): Model: EE1230-105 Input: AC100-240V, 50/60Hz, 0.5A Output: DC 12.0V, 3.0A Adapter(3): Model: SOY-1200300 Input: AC100-240V, 50/60Hz, 1.2A Output: DC 12.0V, 3.0A
Remark:	Due to marketing reasons the Model Y11C has three configurations, between them PCB board circuit design, layout, structure and appearance are the same, only the following configuration is different:

Type	Manufacturers (Model)		
	1#	2#	3#
Memory	Micron(MT52L512M32D2PF-107WT)	ELPIDA(EDFA232A2MA-JD-F-R)	BIWIN (BW52L512M32D2PF-107)
LCD	K&D(KD116N05-30NV-A008)	STARRY ELECTRONIC(20811160240024-03)	QianhaiLingxian(LX 116N02-30NV-A04)
Hard Disk	WD(WD10SPZX)	Seagate(ST1000LM048)	WD(WD10SPZX)
Battery	3XUN(5849112)	3Xun((5849112)	McNair(MLP5850110-2S)
Adapter	Flypower(PS36A120Y3000H)	ENGINE(EE1230-105)	SOY(SOY-1200300)

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

Note:
In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2442MHz
The Highest channel	2480MHz

5.3 Test environment and mode

Operating Environment:	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Operation mode	Keep the EUT in continuous transmitting with modulation
The sample was placed 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.	

5.4 Measurement Uncertainty

Items	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 30MHz)	2.14 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	4.24 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	4.35 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	4.44 dB (k=2)
Radiated Emission (18GHz ~ 26.5GHz)	4.56 dB (k=2)

5.5 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Registration No.: 817957**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012.

- **IC - Registration No.: 10106A-1**

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L6048**

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.6 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China
Website: http://www.ccis-cb.com
Tel: +86-755-23118282
Fax: +86-755-23116366
Email: info@ccis-cb.com

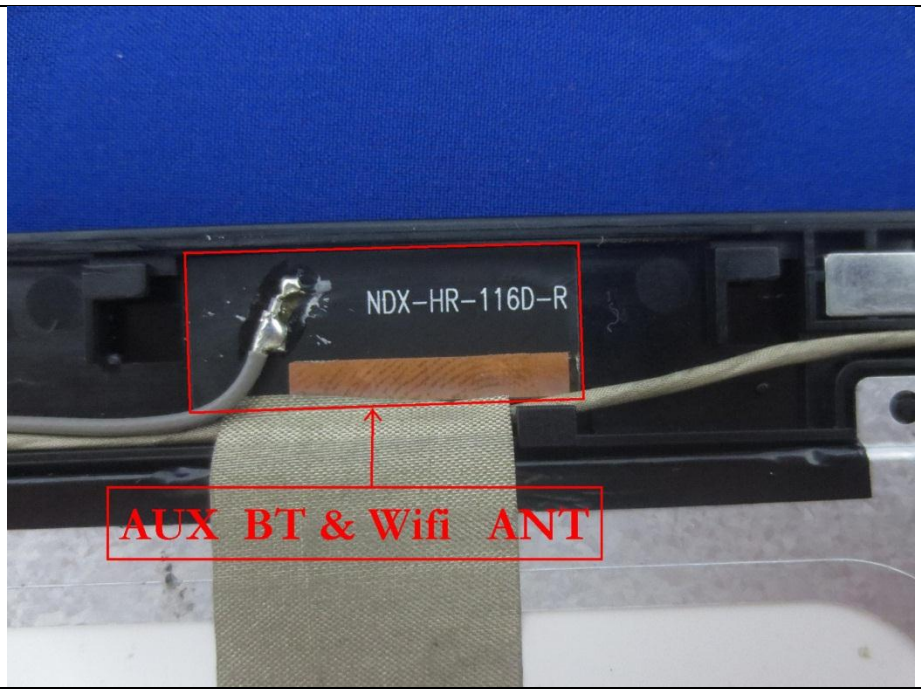
5.7 Test Instruments list

Radiated Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
1	3m SAC	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017
2	BiConiLog Antenna	SCHWARZBECK	VULB9163	CCIS0005	02-25-2017	02-24-2018
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	02-25-2017	02-24-2018
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	02-25-2017	02-24-2018
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	02-25-2017	02-24-2018
6	Pre-amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	02-25-2017	02-24-2018
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	02-25-2017	02-24-2018
8	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	02-25-2017	02-24-2018
9	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	02-25-2017	02-24-2018
10	Loop antenna	Laplace instrument	RF300	EMC0701	02-25-2017	02-24-2018
11	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
12	Coaxial Cable	N/A	N/A	CCIS0018	02-25-2017	02-24-2018
13	Coaxial Cable	N/A	N/A	CCIS0020	02-25-2017	02-24-2018

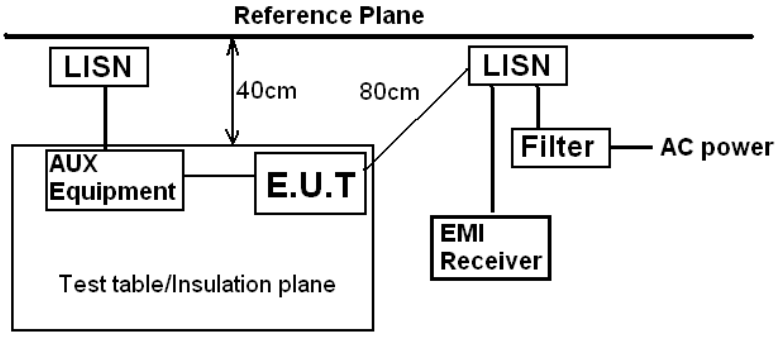
Conducted Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	08-23-2014	08-22-2017
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	02-25-2017	02-24-2018
3	LISN	CHASE	MN2050D	CCIS0074	02-25-2017	02-24-2018
4	Coaxial Cable	CCIS	N/A	CCIS0086	02-25-2017	02-24-2018
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement: FCC Part 15 C Section 15.203 /247(c)
15.203 requirement: *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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.* *15.247(c) (1)(i) requirement:* *(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.*
E.U.T Antenna:
The BLE antenna is an internal antenna which cannot replace by end-user, the best case gain of the antenna is -4.0 dBi.


6.2 Conducted Emission

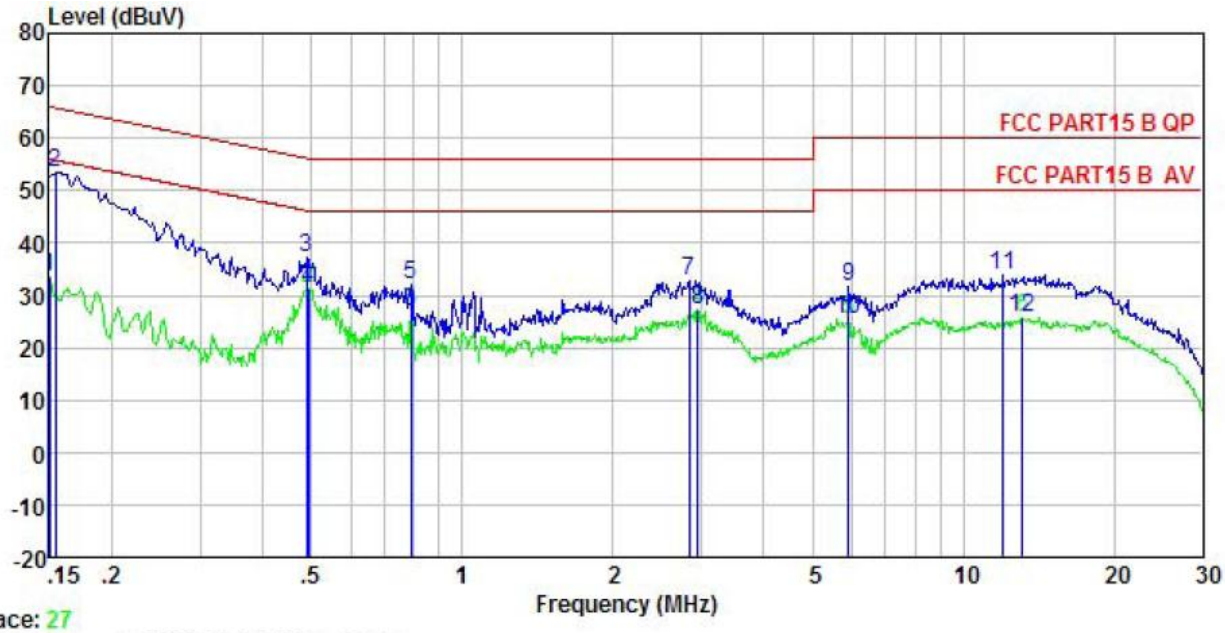
<table>
<tr><td>Test Requirement:</td><td colspan="3">FCC Part 15 C Section 15.207</td></tr>
<tr><td>Test Method:</td><td colspan="3">ANSI C63.10: 2013</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="3">150 kHz to 30 MHz</td></tr>
<tr><td>Class / Severity:</td><td colspan="3">Class B</td></tr>
<tr><td>Receiver setup:</td><td colspan="3">RBW=9kHz, VBW=30kHz</td></tr>
<tr><td rowspan="6">Limit:</td><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBuV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td>5-30</td><td>60</td><td>50</td></tr>
<tr><td colspan="3">* Decreases with the logarithm of the frequency.</td></tr>
<tr><td>Test procedure</td><td colspan="3">1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which provides a 50ohm/50uH coupling impedance for the measuring equipment.
2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).
3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement.</td></tr>
<tr><td>Test setup:</td><td colspan="3"> 

Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m</td></tr>
<tr><td>Test Instruments:</td><td colspan="3">Refer to section 5.7 for details</td></tr>
<tr><td>Test mode:</td><td colspan="3">Refer to section 5.3 for details</td></tr>
<tr><td>Test results:</td><td colspan="3">Passed</td></tr>
</table>

Measurement Data:

Configuration: 1#

Test Polarization: Neutral



Trace: 27

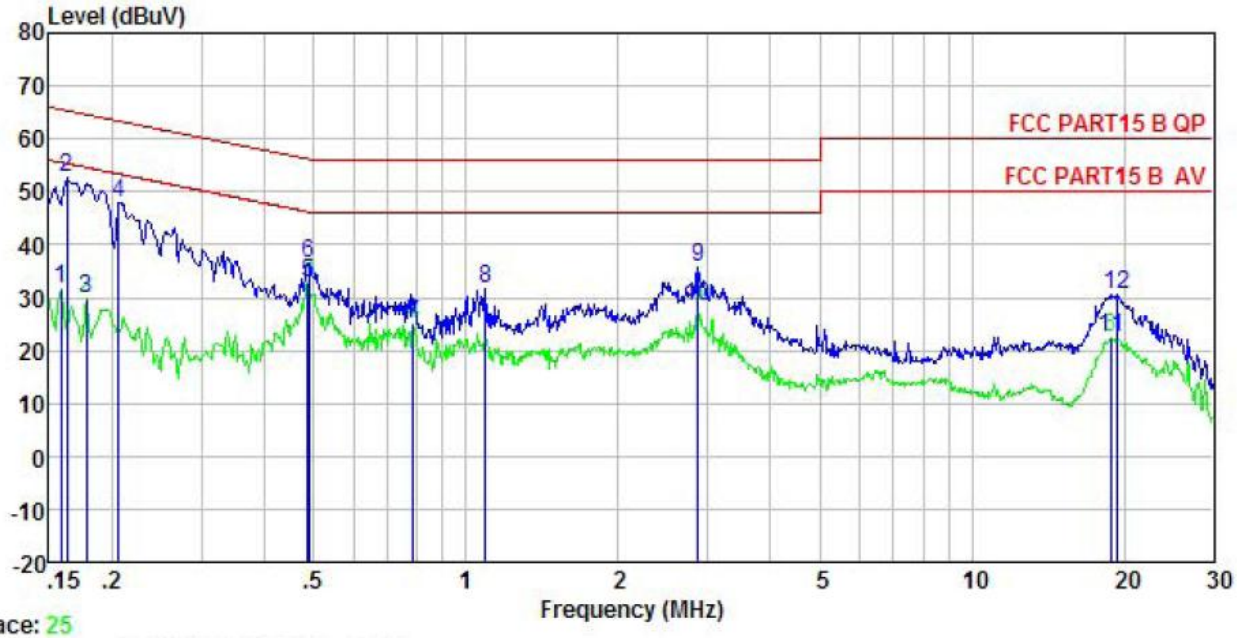
Site : CCIS Shielding Room
Condition : FCC PART15 B QP LISN NEUTRAL
EUT : laptop
Model : Y11C
Test Mode : BLE mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 ℃ Huni:56% Atmos:101KPa
Test Engineer: MT
Remark : 1# adapter:PS36A120Y3000H

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.150	23.01	-0.38	10.78	33.41	56.00	-22.59	Average
2	0.154	42.89	-0.38	10.78	53.29	65.78	-12.49	QP
3	0.489	26.78	-0.30	10.76	37.24	56.19	-18.95	QP
4	0.494	20.72	-0.30	10.76	31.18	46.10	-14.92	Average
5	0.792	21.67	-0.30	10.81	32.18	56.00	-23.82	QP
6	0.792	16.19	-0.30	10.81	26.70	46.00	-19.30	Average
7	2.839	21.95	-0.21	10.93	32.67	56.00	-23.33	QP
8	2.946	16.52	-0.20	10.92	27.24	46.00	-18.76	Average
9	5.898	20.70	-0.03	10.82	31.49	60.00	-28.51	QP
10	5.898	14.68	-0.03	10.82	25.47	50.00	-24.53	Average
11	11.996	22.83	0.04	10.92	33.79	60.00	-26.21	QP
12	13.127	15.10	-0.10	10.91	25.91	50.00	-24.09	Average

Notes:

1. *An initial pre-scan was performed on the live and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

Test Polarization: Line



Trace: 25

Site : CCIS Shielding Room
Condition : FCC PART15 B QP LISN LINE
EUT : laptop
Model : Y11C
Test Mode : BLE mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 ℃ Huni:56% Atmos:101KPa
Test Engineer: MT
Remark : 1# adapter:PS36A120Y3000H

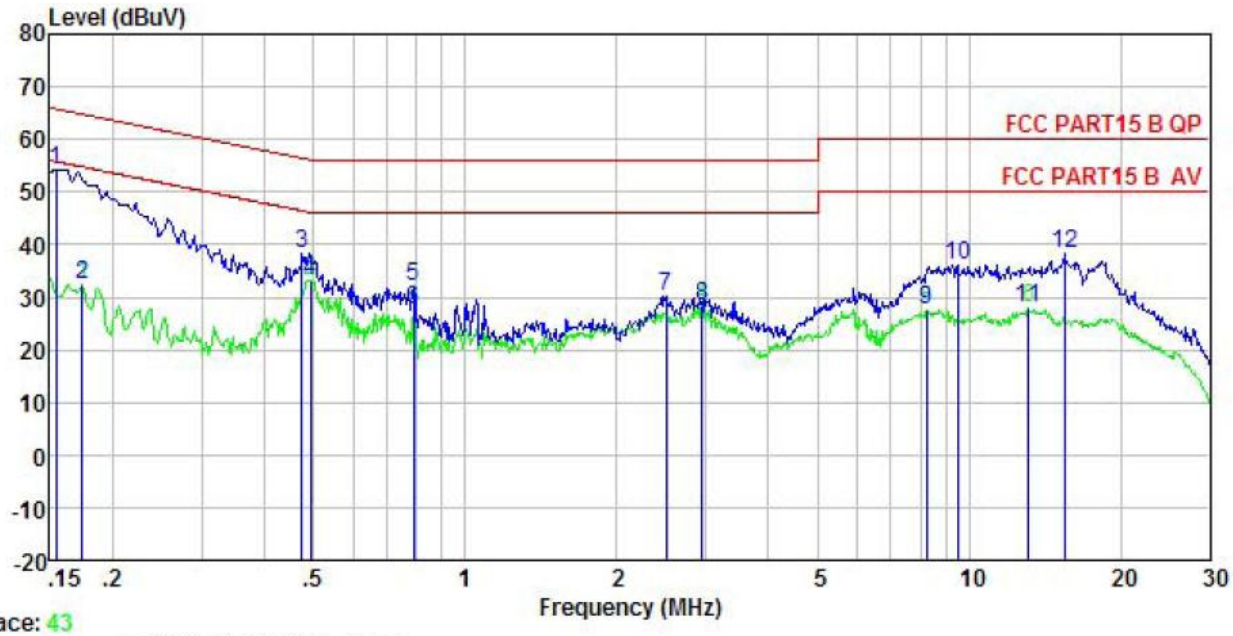
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.158	21.62	-0.55	10.77	31.84	55.56	-23.72	Average
2	0.162	42.49	-0.55	10.77	52.71	65.34	-12.63	QP
3	0.178	19.58	-0.54	10.77	29.81	54.59	-24.78	Average
4	0.206	37.80	-0.52	10.76	48.04	63.36	-15.32	QP
5	0.486	22.48	-0.49	10.76	32.75	46.23	-13.48	Average
6	0.489	26.31	-0.49	10.76	36.58	56.19	-19.61	QP
7	0.788	14.74	-0.48	10.81	25.07	46.00	-20.93	Average
8	1.094	21.42	-0.48	10.88	31.82	56.00	-24.18	QP
9	2.869	25.14	-0.44	10.92	35.62	56.00	-20.38	QP
10	2.869	17.97	-0.44	10.92	28.45	46.00	-17.55	Average
11	18.820	11.92	-0.52	10.92	22.32	50.00	-27.68	Average
12	19.428	20.11	-0.50	10.93	30.54	60.00	-29.46	QP

Notes:

1. *An initial pre-scan was performed on the live and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

Configuration: 2#

Test Polarization: Neutral



Trace: 43

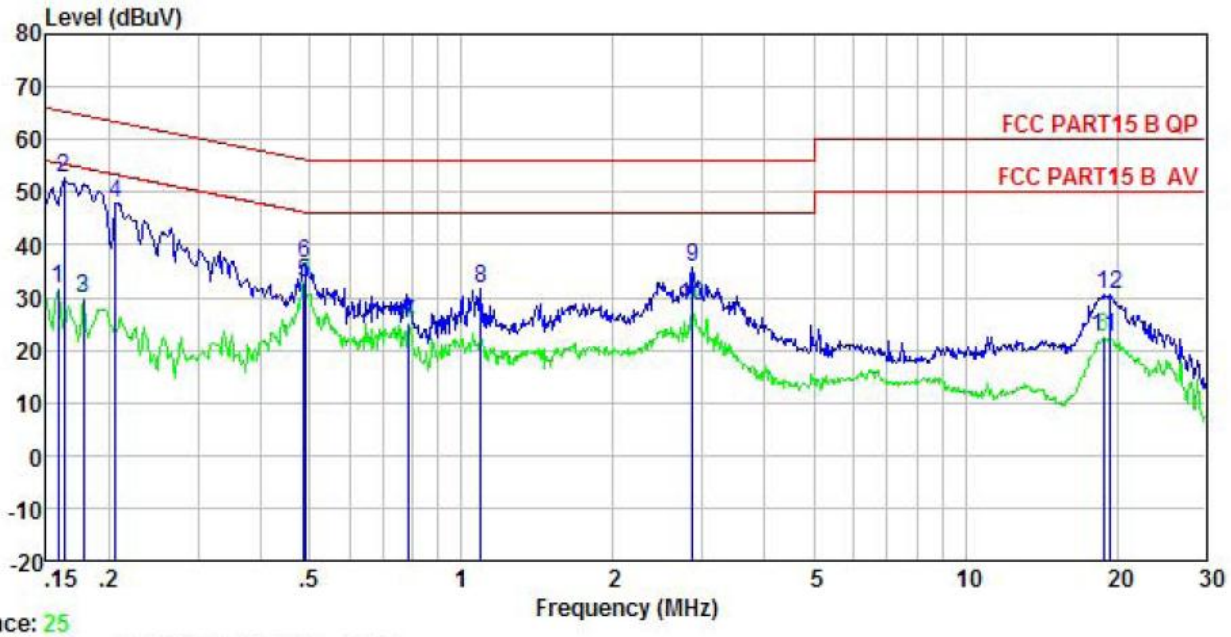
Site : CCIS Shielding Room
Condition : FCC PART15 B QP LISN NEUTRAL
EUT : laptop
Model : Y11C
Test Mode : BLE mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 ℃ Huni:56% Atmos:101KPa
Test Engineer: MT
Remark : 2# adapter:EE1230-105

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.154	43.89	-0.38	10.78	54.29	65.78	-11.49	QP
2	0.174	22.03	-0.36	10.77	32.44	54.77	-22.33	Average
3	0.474	27.87	-0.30	10.75	38.32	56.45	-18.13	QP
4	0.494	22.72	-0.30	10.76	33.18	46.10	-12.92	Average
5	0.792	21.67	-0.30	10.81	32.18	56.00	-23.82	QP
6	0.792	17.19	-0.30	10.81	27.70	46.00	-18.30	Average
7	2.500	19.58	-0.23	10.94	30.29	56.00	-25.71	QP
8	2.946	17.52	-0.20	10.92	28.24	46.00	-17.76	Average
9	8.235	16.53	0.24	10.86	27.63	50.00	-22.37	Average
10	9.502	25.04	0.30	10.92	36.26	60.00	-23.74	QP
11	13.127	17.10	-0.10	10.91	27.91	50.00	-22.09	Average
12	15.470	27.64	-0.33	10.90	38.21	60.00	-21.79	QP

Notes:

1. *An initial pre-scan was performed on the live and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

Test Polarization: Line



Trace: 25

Site : CCIS Shielding Room
Condition : FCC PART15 B QP LISN LINE
EUT : laptop
Model : Y11C
Test Mode : BLE mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 ℃ Huni:56% Atmos:101KPa
Test Engineer: MT
Remark : 1# adapter:PS36A120Y3000H

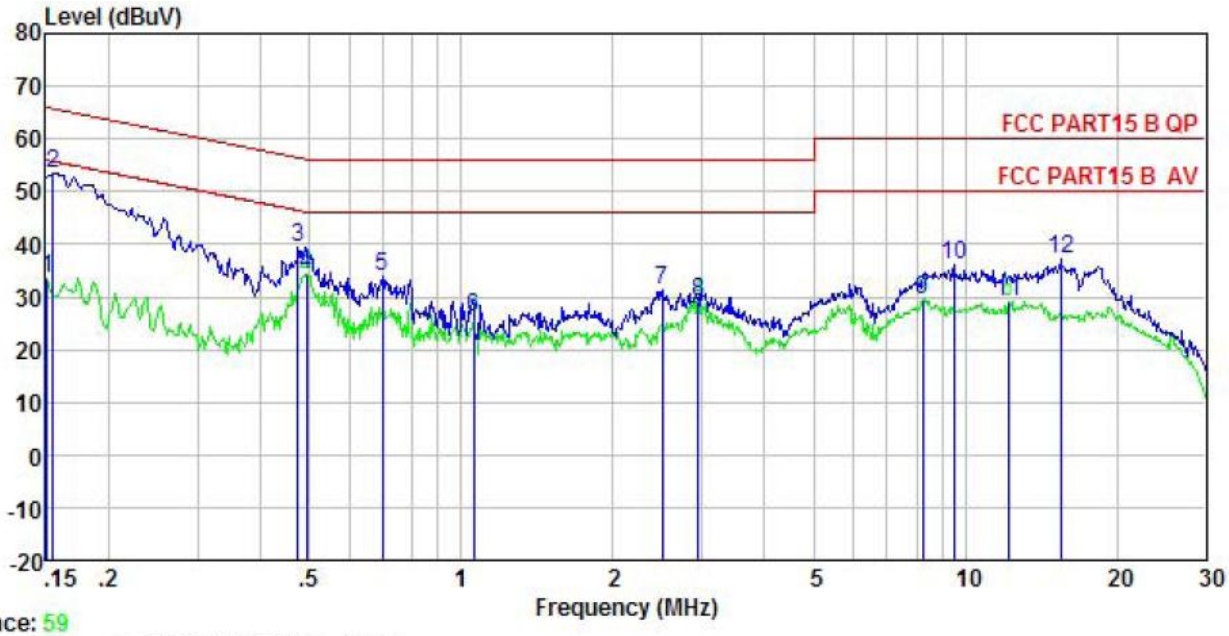
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.158	21.62	-0.55	10.77	31.84	55.56	-23.72	Average
2	0.162	42.49	-0.55	10.77	52.71	65.34	-12.63	QP
3	0.178	19.58	-0.54	10.77	29.81	54.59	-24.78	Average
4	0.206	37.80	-0.52	10.76	48.04	63.36	-15.32	QP
5	0.486	22.48	-0.49	10.76	32.75	46.23	-13.48	Average
6	0.489	26.31	-0.49	10.76	36.58	56.19	-19.61	QP
7	0.788	14.74	-0.48	10.81	25.07	46.00	-20.93	Average
8	1.094	21.42	-0.48	10.88	31.82	56.00	-24.18	QP
9	2.869	25.14	-0.44	10.92	35.62	56.00	-20.38	QP
10	2.869	17.97	-0.44	10.92	28.45	46.00	-17.55	Average
11	18.820	11.92	-0.52	10.92	22.32	50.00	-27.68	Average
12	19.428	20.11	-0.50	10.93	30.54	60.00	-29.46	QP

Notes:

1. *An initial pre-scan was performed on the live and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

Configuration: 3#

Test Polarization: Neutral



Trace: 59

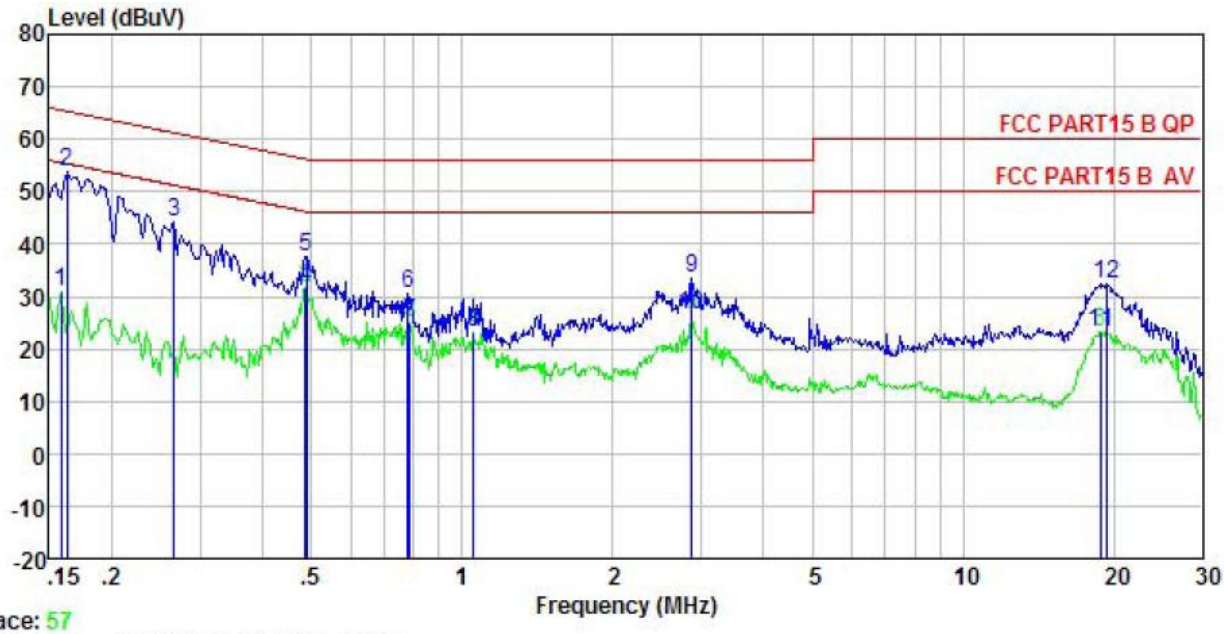
Site : CCIS Shielding Room
Condition : FCC PART15 B QP LISN NEUTRAL
EUT : laptop
Model : Y11C
Test Mode : BLE mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 ℃ Huni:56% Atmos:101KPa
Test Engineer: MT
Remark : 3# adapter:SOY-1200300

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.151	23.20	-0.38	10.78	33.60	55.96	-22.36	Average
2	0.155	42.90	-0.38	10.77	53.29	65.74	-12.45	QP
3	0.474	28.87	-0.30	10.75	39.32	56.45	-17.13	QP
4	0.494	23.72	-0.30	10.76	34.18	46.10	-11.92	Average
5	0.697	23.22	-0.30	10.77	33.69	56.00	-22.31	QP
6	1.060	15.36	-0.29	10.88	25.95	46.00	-20.05	Average
7	2.500	20.58	-0.23	10.94	31.29	56.00	-24.71	QP
8	2.946	18.52	-0.20	10.92	29.24	46.00	-16.76	Average
9	8.235	18.53	0.24	10.86	29.63	50.00	-20.37	Average
10	9.502	25.04	0.30	10.92	36.26	60.00	-23.74	QP
11	12.188	18.08	0.02	10.92	29.02	50.00	-20.98	Average
12	15.470	26.64	-0.33	10.90	37.21	60.00	-22.79	QP

Notes:

1. *An initial pre-scan was performed on the live and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

Test Polarization: Line



Trace: 57

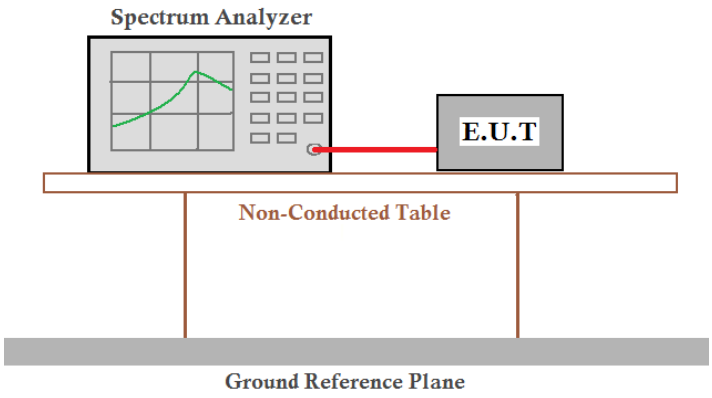
Site : CCIS Shielding Room
Condition : FCC PART15 B QP LISN LINE
EUT : laptop
Model : Y11C
Test Mode : BLE mode
Power Rating : AC 120V/60Hz
Environment : Temp: 23 'C Huni:56% Atmos:101KPa
Test Engineer: MT
Remark : 3# adapter:SOY-1200300

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.158	20.62	-0.55	10.77	30.84	55.56	-24.72	Average
2	0.162	43.49	-0.55	10.77	53.71	65.34	-11.63	QP
3	0.266	34.02	-0.51	10.75	44.26	61.25	-16.99	QP
4	0.486	21.48	-0.49	10.76	31.75	46.23	-14.48	Average
5	0.489	27.31	-0.49	10.76	37.58	56.19	-18.61	QP
6	0.779	20.24	-0.48	10.80	30.56	56.00	-25.44	QP
7	0.788	14.74	-0.48	10.81	25.07	46.00	-20.93	Average
8	1.054	12.88	-0.49	10.88	23.27	46.00	-22.73	Average
9	2.869	23.14	-0.44	10.92	33.62	56.00	-22.38	QP
10	2.869	15.97	-0.44	10.92	26.45	46.00	-19.55	Average
11	18.820	12.92	-0.52	10.92	23.32	50.00	-26.68	Average
12	19.428	22.11	-0.50	10.93	32.54	60.00	-27.46	QP

Notes:

1. *An initial pre-scan was performed on the live and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Cable Loss.*

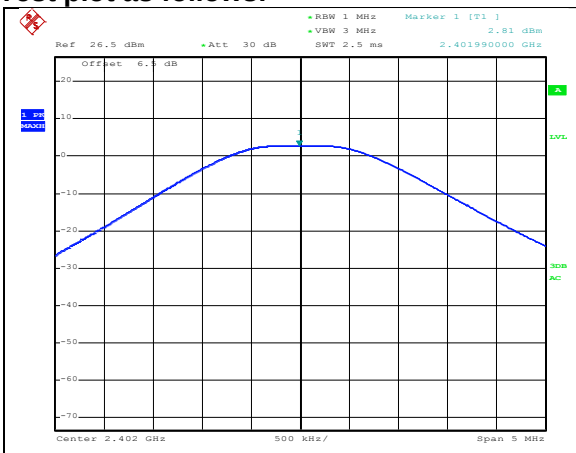
6.3 Conducted Output Power

Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 9.1.1
Limit:	30dBm
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

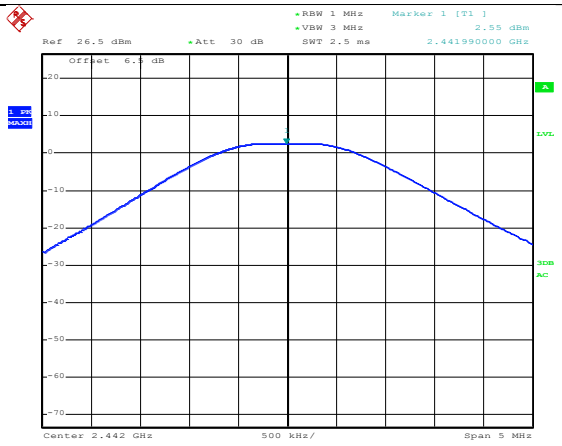
Measurement Data:

Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	2.81	30.00	Pass
Middle	2.55		
Highest	1.64		

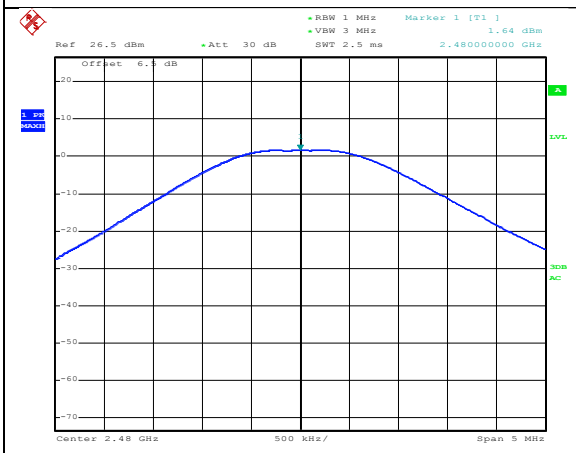
Test plot as follows:



Lowest channel

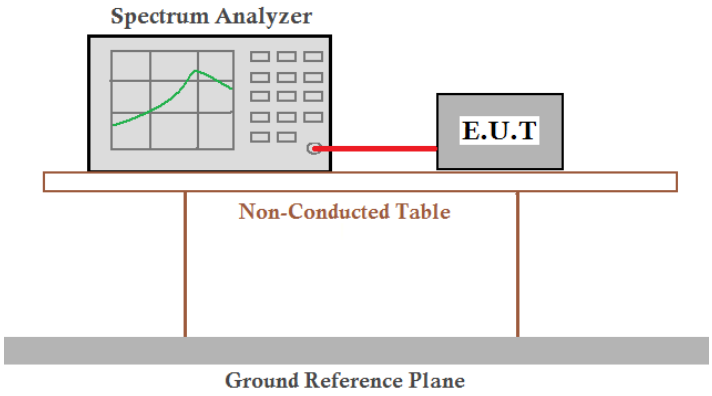


Middle channel



Highest channel

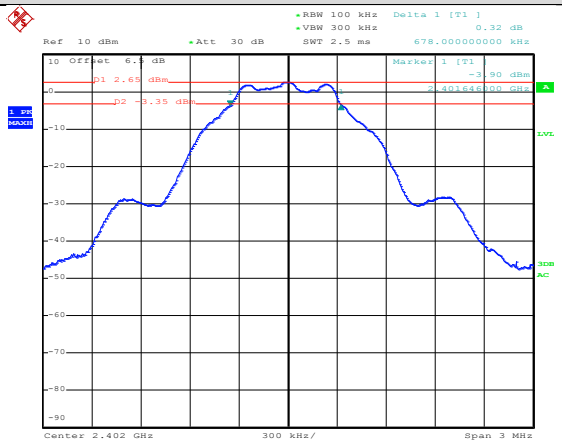
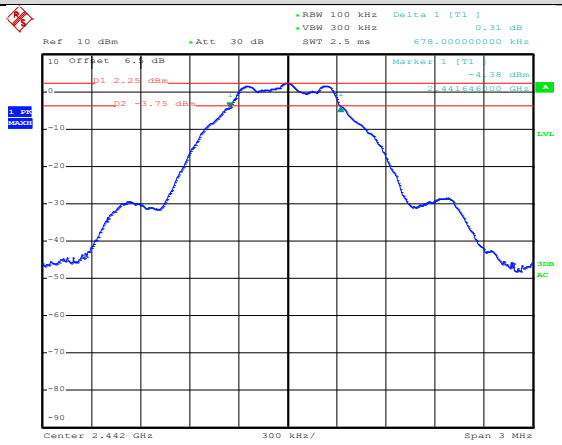
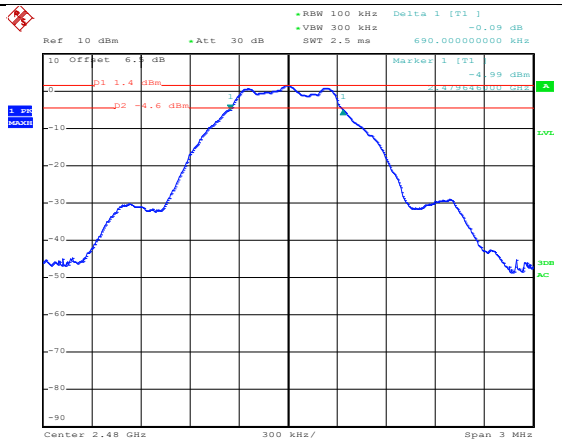
6.4 Occupy Bandwidth

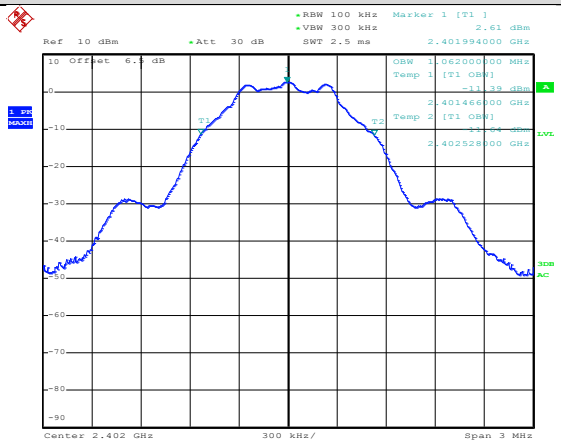
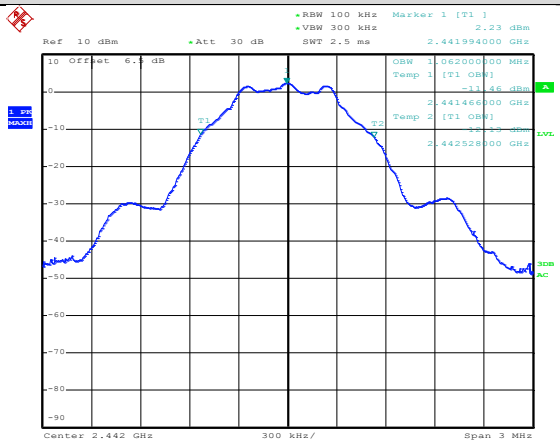
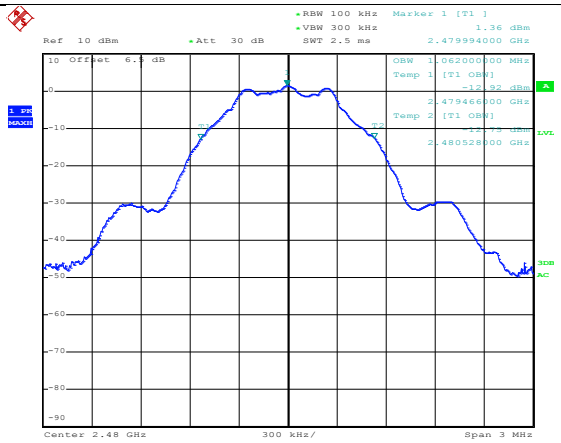
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 8.1
Limit:	>500kHz
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

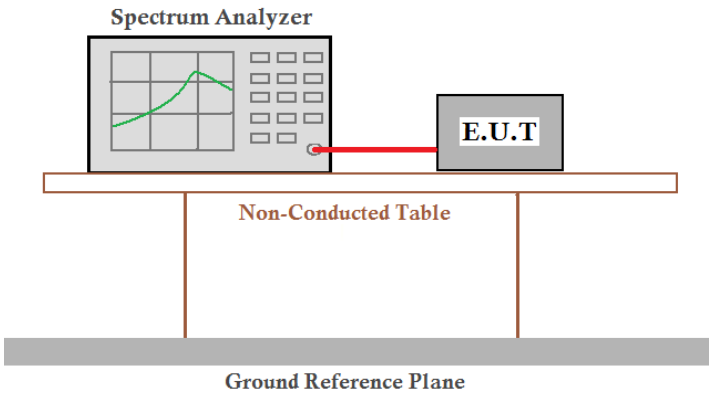
Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result
Lowest	0.678	>500	Pass
Middle	0.678		
Highest	0.690		
Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result
Lowest	1.062	N/A	N/A
Middle	1.062		
Highest	1.062		

Test plot as follows:

6dB EBW	
 Date: 1.JUL.2017 14:19:32	 Date: 1.JUL.2017 14:20:51
Lowest channel	Middle channel
 Date: 1.JUL.2017 14:22:19	
Highest channel	

99% OBW	
	
Lowest channel	Middle channel
	
Highest channel	

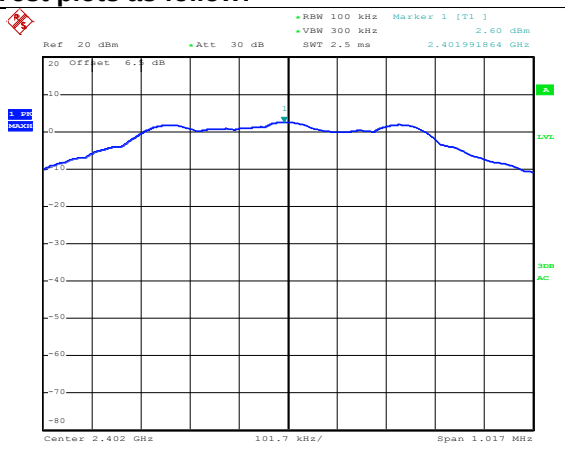
6.5 Power Spectral Density

Test Requirement:	FCC Part 15 C Section 15.247 (e)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 10.2
Limit:	8 dBm
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

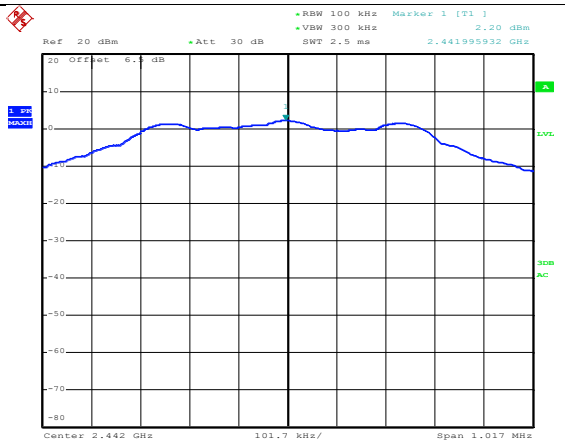
Measurement Data:

Test CH	Power Spectral Density (dBm)	Limit(dBm)	Result
Lowest	2.60	8.00	Pass
Middle	2.20		
Highest	1.35		

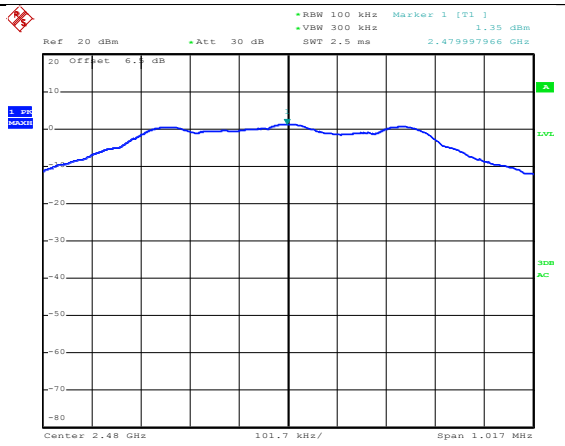
Test plots as follow:



Lowest channel



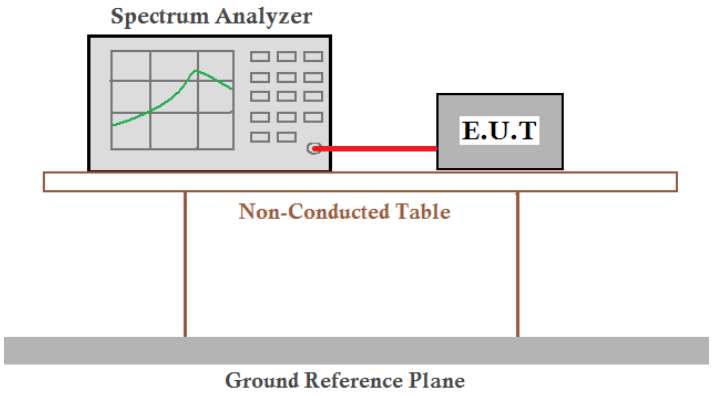
Middle channel



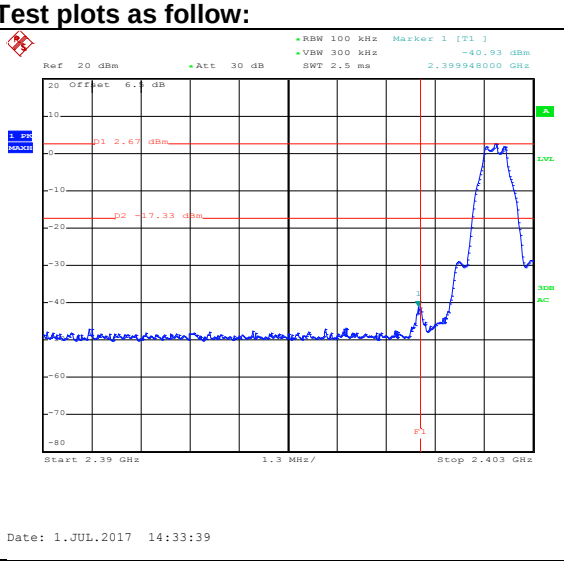
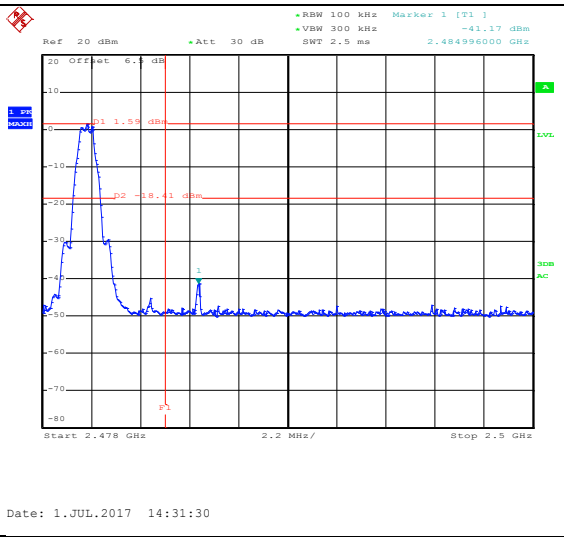
Highest channel

6.6 Band Edge

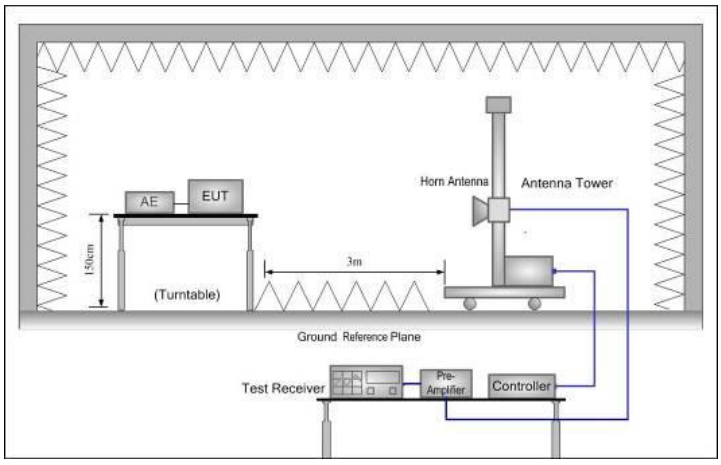
6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 13
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Test plots as follow:

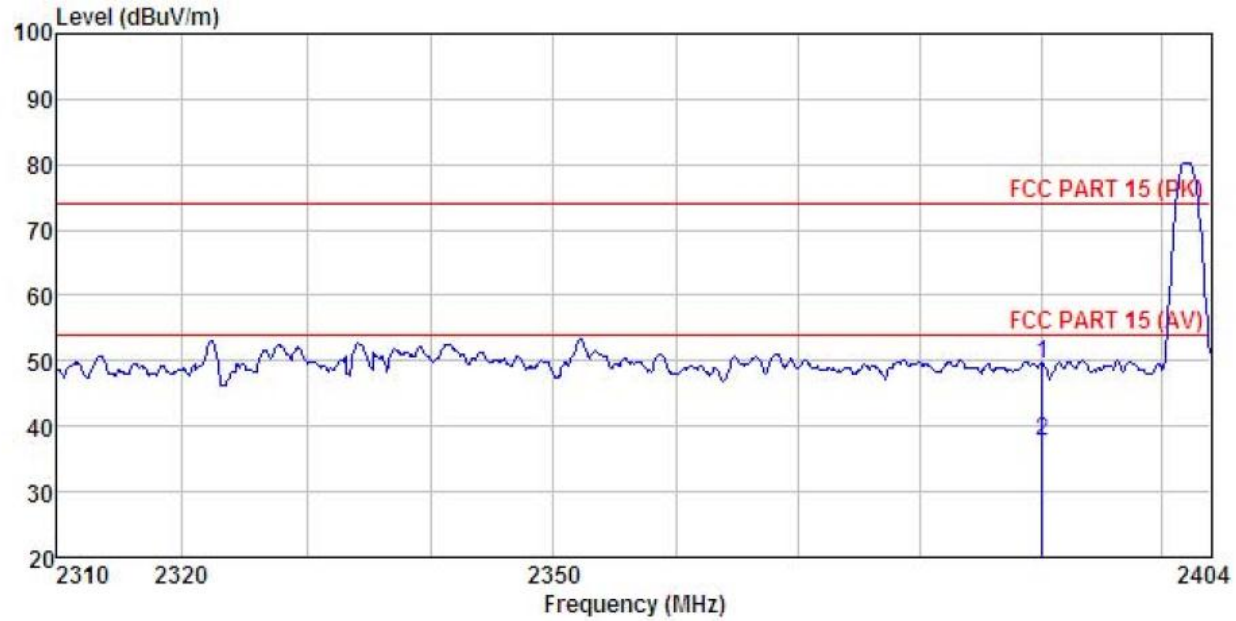
	
Lowest channel	Highest channel

6.6.2 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td colspan="5">FCC Part 15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td colspan="5">ANSI C63.10: 2013 and KDB558074 D01 DTS Meas Guidance v04 section 12.1</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="5">2.3GHz to 2.5GHz</td></tr>
<tr><td>Test site:</td><td colspan="5">Measurement Distance: 3m</td></tr>
<tr><td rowspan="3">Receiver setup:</td><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>RMS</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
<tr><td rowspan="3">Limit:</td><td colspan="2">Frequency</td><td colspan="2">Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td colspan="2" rowspan="2">Above 1GHz</td><td colspan="2">54.00</td><td>Average Value</td></tr>
<tr><td colspan="2">74.00</td><td>Peak Value</td></tr>
<tr><td>Test Procedure:</td><td colspan="5">1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</td></tr>
<tr><td>Test setup:</td><td colspan="5"> 
</td></tr>
<tr><td>Test Instruments:</td><td colspan="5">Refer to section 5.7 for details</td></tr>
<tr><td>Test mode:</td><td colspan="5">Refer to section 5.3 for details</td></tr>
<tr><td>Test results:</td><td colspan="5">Passed</td></tr>
</table>

Test channel: Lowest channel

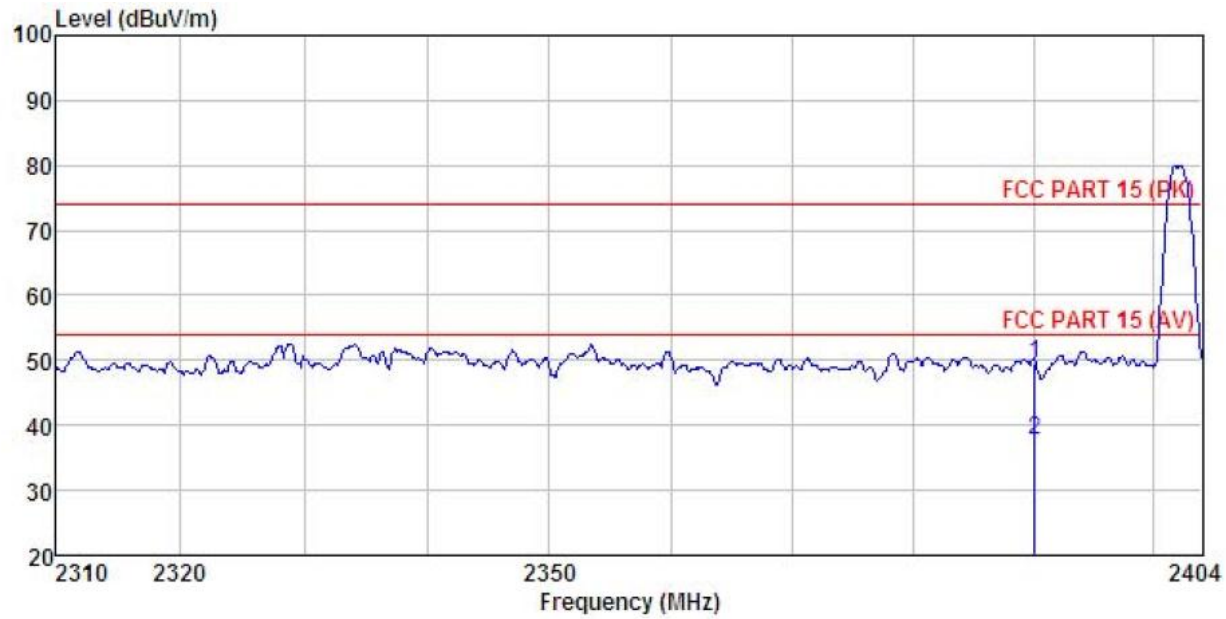
Test Polarization: Horizontal




```
Site          : 3m chamber
Condition     : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT           : laptop
Model         : Y11C
Test mode     : BLE - L mode
Power Rating  : AC120V/60Hz
Environment   : Temp:25.5'C  Huni:55%  101KPa
Test Engineer: MT
REMARK        :
```

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	19.31	25.45	4.69	0.00	49.45	74.00	-24.55	Peak
2	2390.000	7.48	25.45	4.69	0.00	37.62	54.00	-16.38	Average

Test Polarization: Vertical

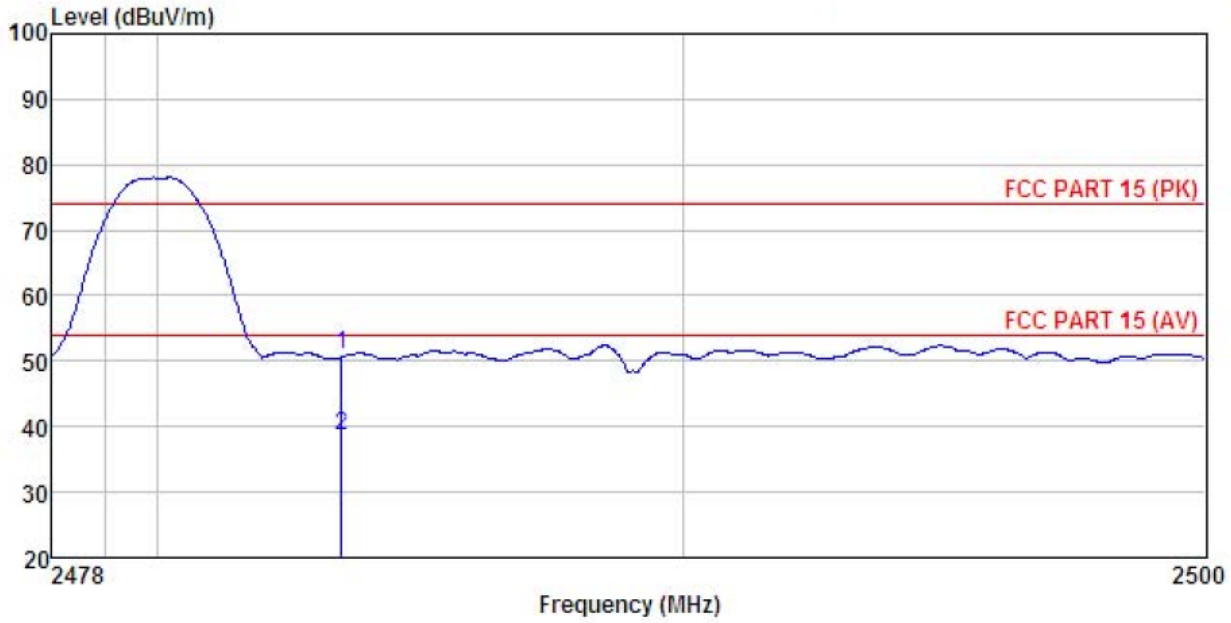


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : laptop
Model : Y11C
Test mode : BLE - L mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55% 101KPa
Test Engineer: MT
REMARK :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2390.000	19.33	25.45	4.69	0.00	49.47	74.00	-24.53	Peak
2	2390.000	7.46	25.45	4.69	0.00	37.60	54.00	-16.40	Average

Test channel: Highest channel

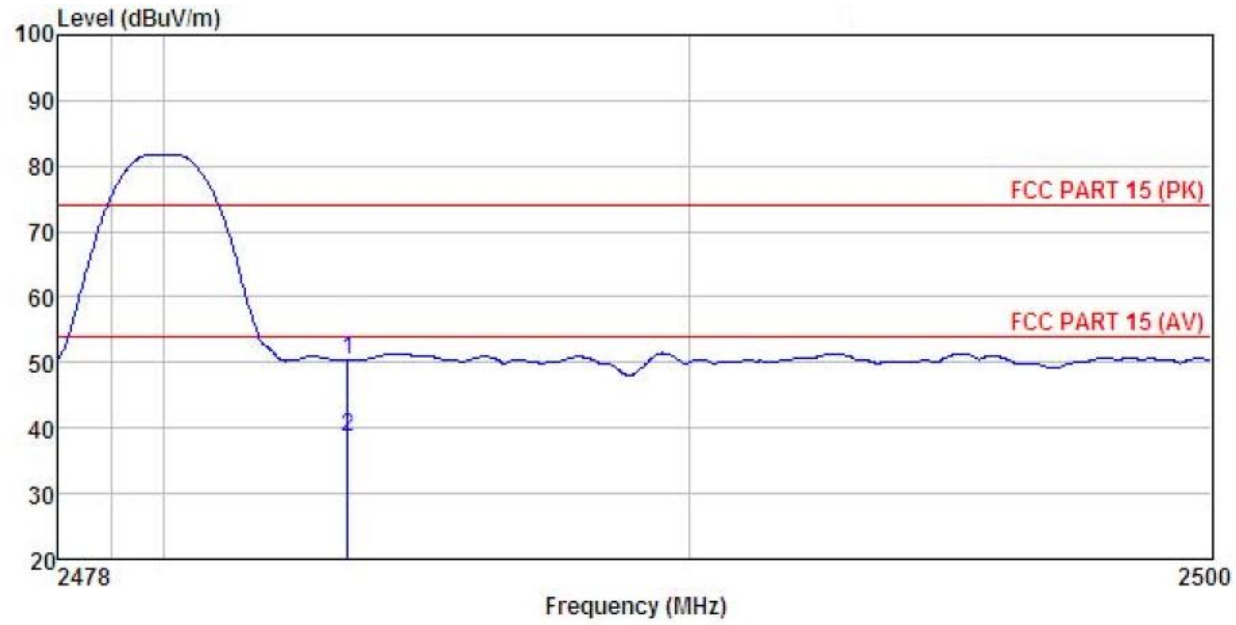
Test Polarization: Horizontal



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) HORIZONTAL
EUT : laptop
Model : Y11C
Test mode : BLE - H mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55% 101KPa
Test Engineer: MT
REMARK :

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	20.50	25.66	4.81	0.00	50.97	74.00	-23.03	Peak
2	2483.500	8.10	25.66	4.81	0.00	38.57	59.50	-20.93	Average

Test Polarization: Vertical

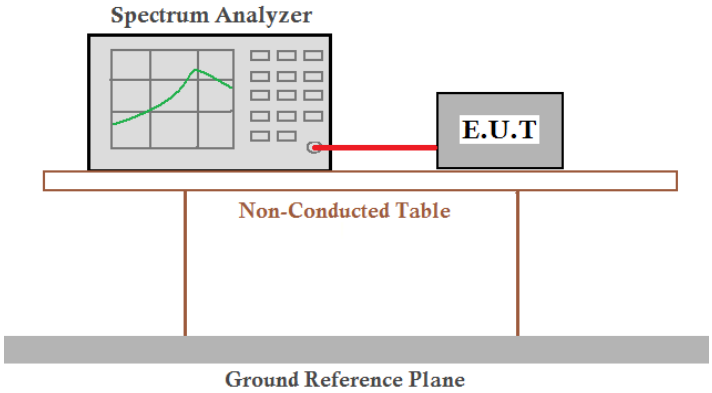


Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18G) VERTICAL
EUT : laptop
Model : Y11C
Test mode : BLE - H mode
Power Rating : AC120V/60Hz
Environment : Temp:25.5℃ Huni:55% 101KPa
Test Engineer: MT
REMARK :

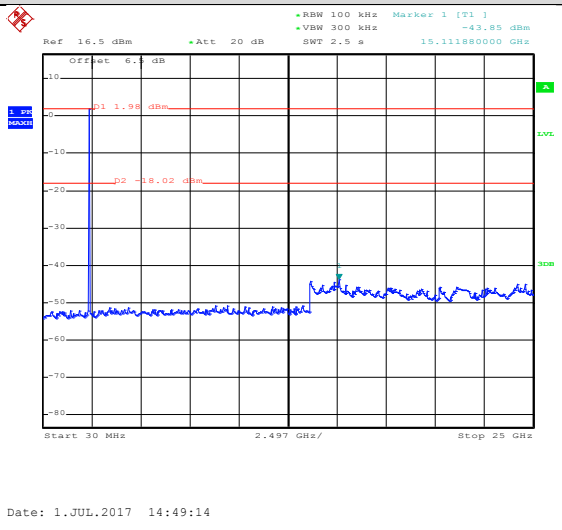
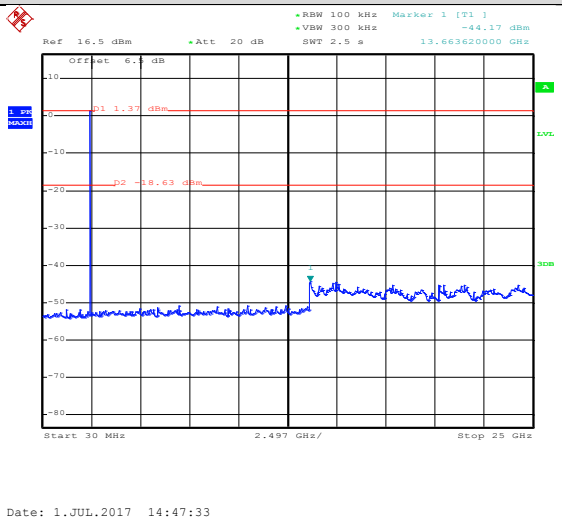
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2483.500	19.87	25.66	4.81	0.00	50.34	74.00	-23.66	Peak
2	2483.500	8.11	25.66	4.81	0.00	38.58	54.00	-15.42	Average

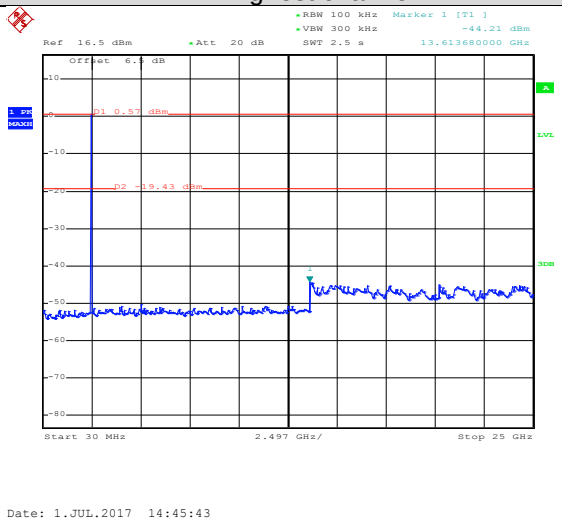
6.7 Spurious Emission

6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)
Test Method:	ANSI C63.10:2013 and KDB558074 D01 DTS Meas Guidance v04 section 11
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.
Test setup:	
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

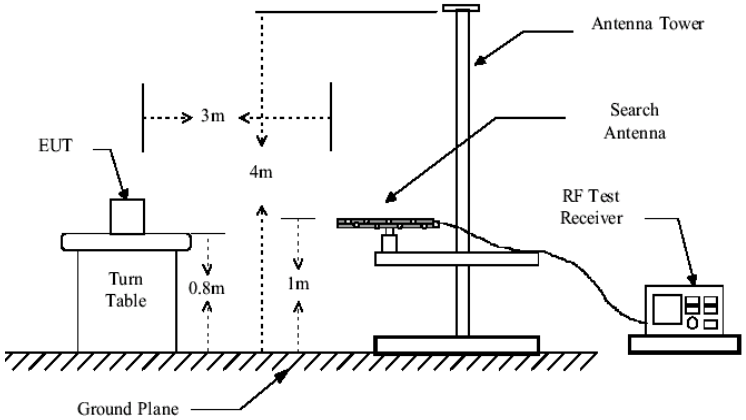
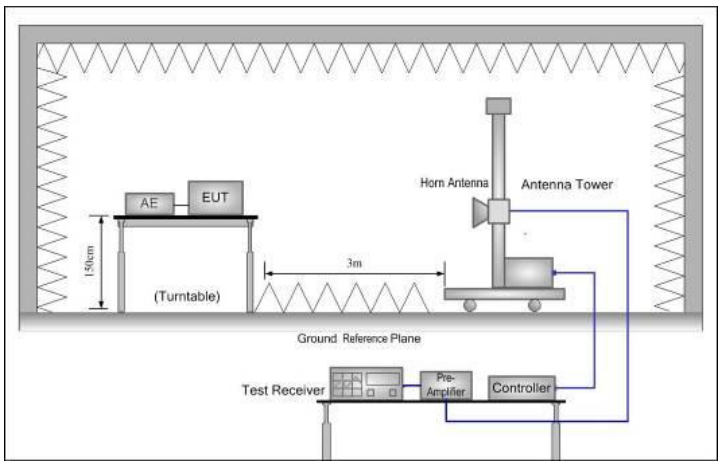
Test plot as follows:

Lowest channel	Middle channel
	
30MHz~25GHz	30MHz~25GHz

Highest channel

30MHz~25GHz

6.7.2 Radiated Emission Method

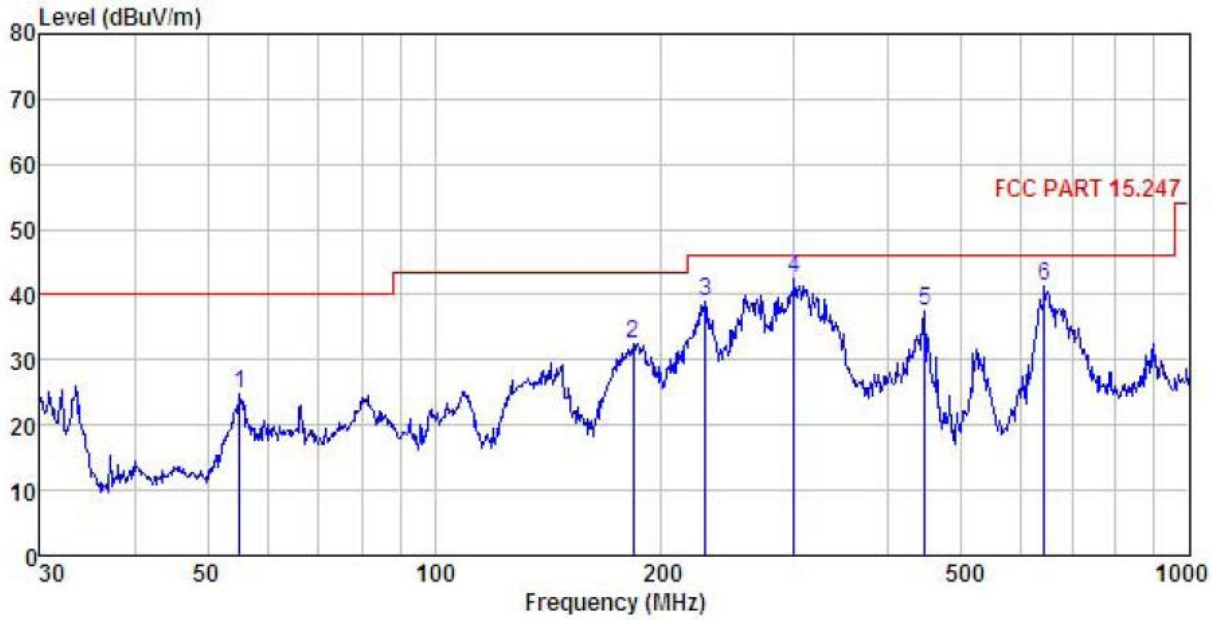
<table>
<tr><td>Test Requirement:</td><td colspan="5">FCC Part 15 C Section 15.209 and 15.205</td></tr>
<tr><td>Test Method:</td><td colspan="5">ANSI C63.10:2013</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="5">9KHz to 25GHz</td></tr>
<tr><td>Test site:</td><td colspan="5">Measurement Distance: 3m</td></tr>
<tr><td rowspan="4">Receiver setup:</td><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>RMS</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
<tr><td rowspan="7">Limit:</td><td colspan="2">Frequency</td><td colspan="2">Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td colspan="2">30MHz-88MHz</td><td colspan="2">40.0</td><td>Quasi-peak Value</td></tr>
<tr><td colspan="2">88MHz-216MHz</td><td colspan="2">43.5</td><td>Quasi-peak Value</td></tr>
<tr><td colspan="2">216MHz-960MHz</td><td colspan="2">46.0</td><td>Quasi-peak Value</td></tr>
<tr><td colspan="2">960MHz-1GHz</td><td colspan="2">54.0</td><td>Quasi-peak Value</td></tr>
<tr><td colspan="2" rowspan="2">Above 1GHz</td><td colspan="2">54.0</td><td>Average Value</td></tr>
<tr><td colspan="2">74.0</td><td>Peak Value</td></tr>
<tr><td>Test Procedure:</td><td colspan="5">1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</td></tr>
</table>

Test setup:	Below 1GHz  Above 1GHz 
Test Instruments:	Refer to section 5.7 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 2. 9 kHz to 30MHz is too low, so only shows the data of above 30MHz in this report.

Below 1GHz:

Configuration: 1#

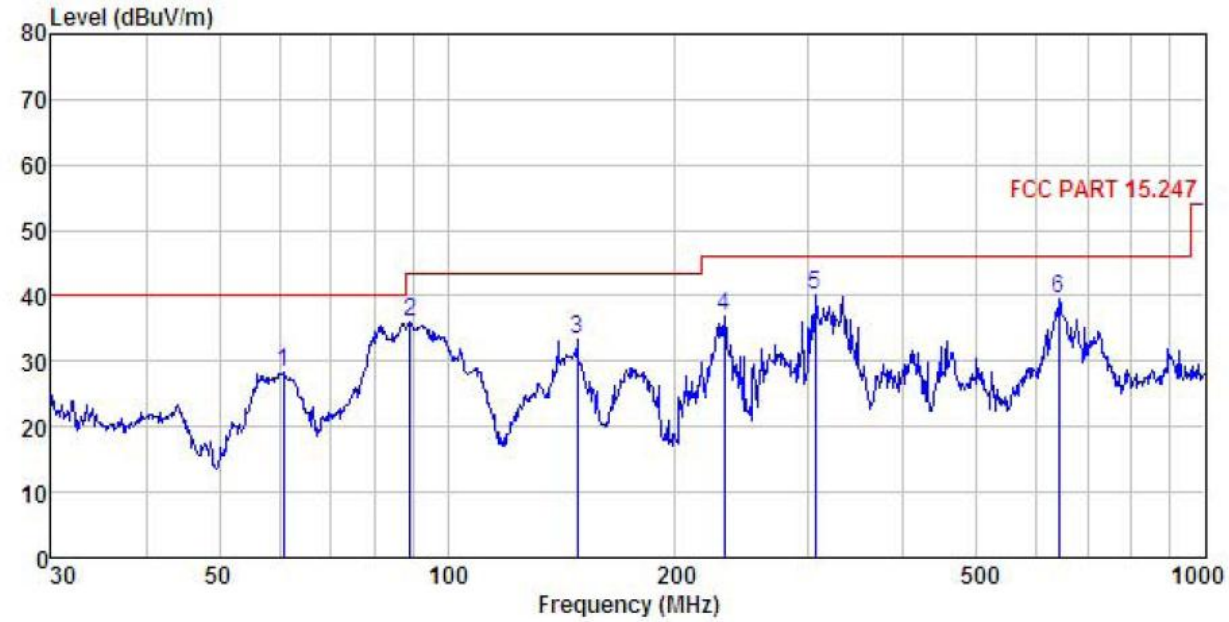
Test Polarization: Horizontal



Site : 3m chamber
Condition : FCC PART 15.247 3m VULB9163(30M2G) HORIZONTAL
EUT : laptop
Model : Y11C
Test mode : BLE Mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: MT
REMARK : 1# adapter:PS36A120Y3000H

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	55.221	39.73	13.44	1.36	29.80	24.73	40.00	-15.27	QP
2	183.201	48.87	9.86	2.75	28.95	32.53	43.50	-10.97	QP
3	228.490	53.23	11.44	2.84	28.66	38.85	46.00	-7.15	QP
4	299.316	54.48	13.40	2.94	28.45	42.37	46.00	-3.63	QP
5	446.414	47.54	15.60	3.19	28.86	37.47	46.00	-8.53	QP
6	642.861	47.72	18.53	3.87	28.80	41.32	46.00	-4.68	QP

Test Polarization: Vertical

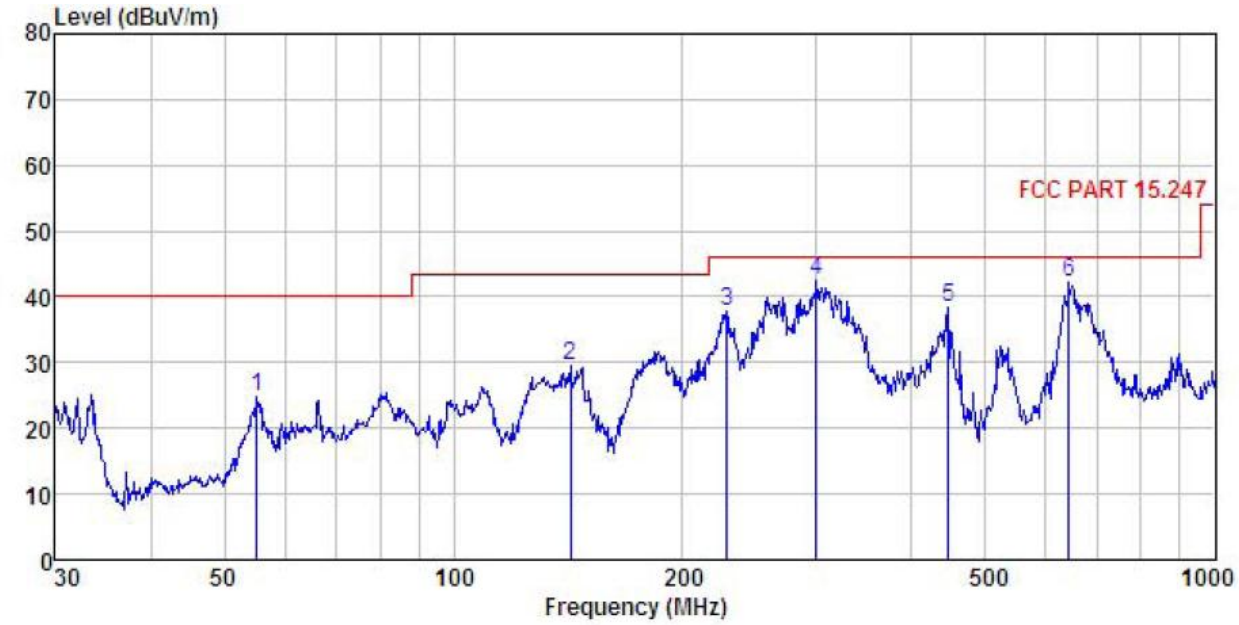


Site : 3m chamber
Condition : FCC PART 15.247 3m VULB9163(30M2G) VERTICAL
EUT : laptop
Model : Y11C
Test mode : BLE Mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5'C Huni:55%
Test Engineer: MT
REMARK : 1# adapter:PS36A120Y3000H

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	60.704	44.46	12.28	1.38	29.77	28.35	40.00	-11.65	QP
2	89.276	52.85	10.60	2.04	29.57	35.92	43.50	-7.58	QP
3	148.441	51.56	8.46	2.50	29.23	33.29	43.50	-10.21	QP
4	231.718	51.19	11.51	2.83	28.64	36.89	46.00	-9.11	QP
5	305.680	52.20	13.45	2.96	28.46	40.15	46.00	-5.85	QP
6	640.611	45.97	18.54	3.88	28.81	39.58	46.00	-6.42	QP

Configuration: 2#

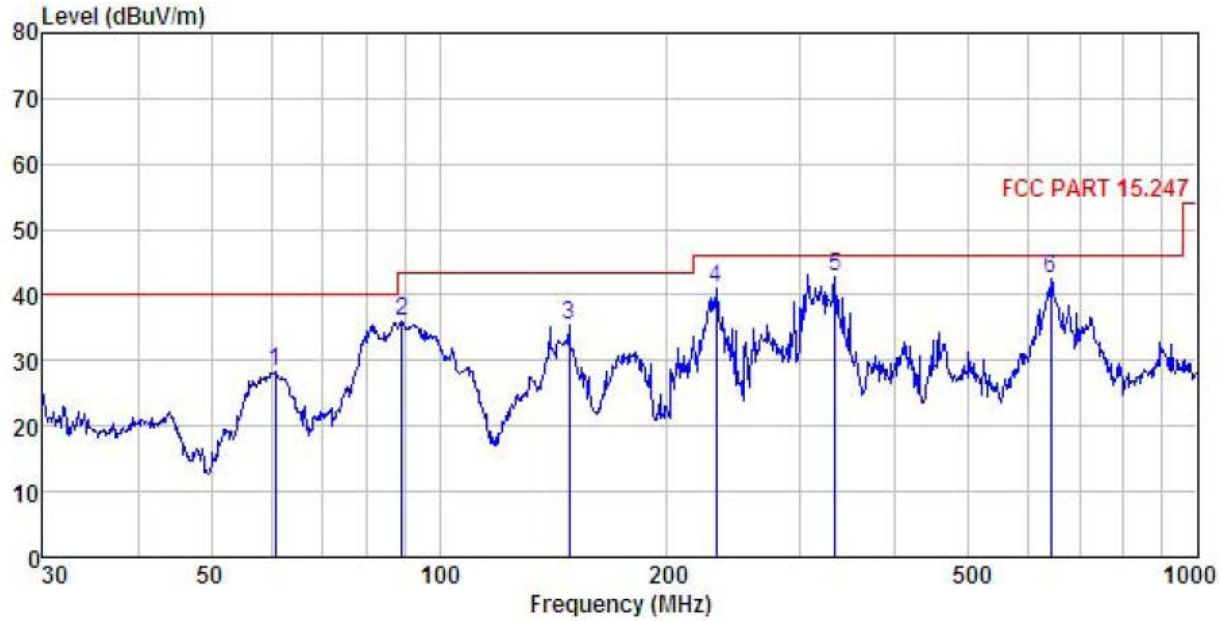
Test Polarization: Horizontal



Site : 3m chamber
Condition : FCC PART 15.247 3m VULB9163(30M2G) HORIZONTAL
EUT : laptop
Model : Y11C
Test mode : BLE Mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: MT
REMARK : 2# adapter:EE1230-105

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	55.221	39.73	13.44	1.36	29.80	24.73	40.00	-15.27	QP
2	142.324	47.95	8.34	2.43	29.26	29.46	43.50	-14.04	QP
3	228.490	52.23	11.44	2.84	28.66	37.85	46.00	-8.15	QP
4	299.316	54.48	13.40	2.94	28.45	42.37	46.00	-3.63	QP
5	446.414	48.54	15.60	3.19	28.86	38.47	46.00	-7.53	QP
6	642.861	48.72	18.53	3.87	28.80	42.32	46.00	-3.68	QP

Test Polarization: Vertical

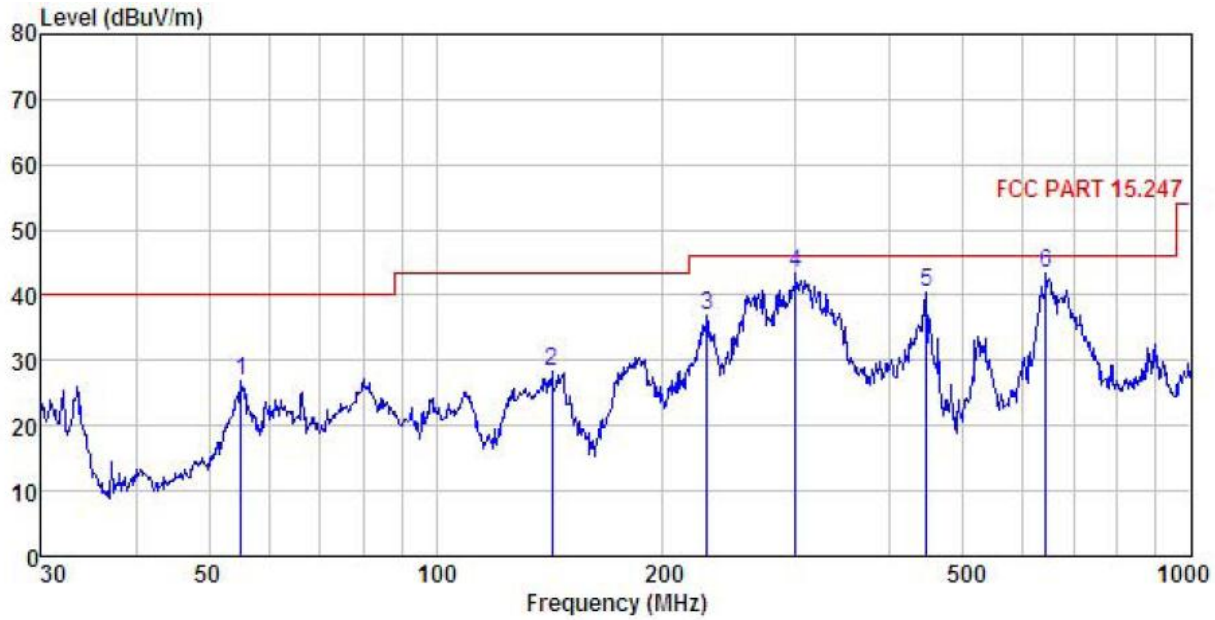


Site : 3m chamber
Condition : FCC PART 15.247 3m VULB9163(30M2G) VERTICAL
EUT : laptop
Model : Y11C
Test mode : BLE Mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: MT
REMARK : 2# adapter:EE1230-105

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	60.704	44.46	12.28	1.38	29.77	28.35	40.00	-11.65	QP
2	89.276	52.85	10.60	2.04	29.57	35.92	43.50	-7.58	QP
3	148.441	53.56	8.46	2.50	29.23	35.29	43.50	-8.21	QP
4	231.718	55.19	11.51	2.83	28.64	40.89	46.00	-5.11	QP
5	332.519	54.38	14.00	3.04	28.52	42.90	46.00	-3.10	QP
6	640.611	48.97	18.54	3.88	28.81	42.58	46.00	-3.42	QP

Configuration: 3#

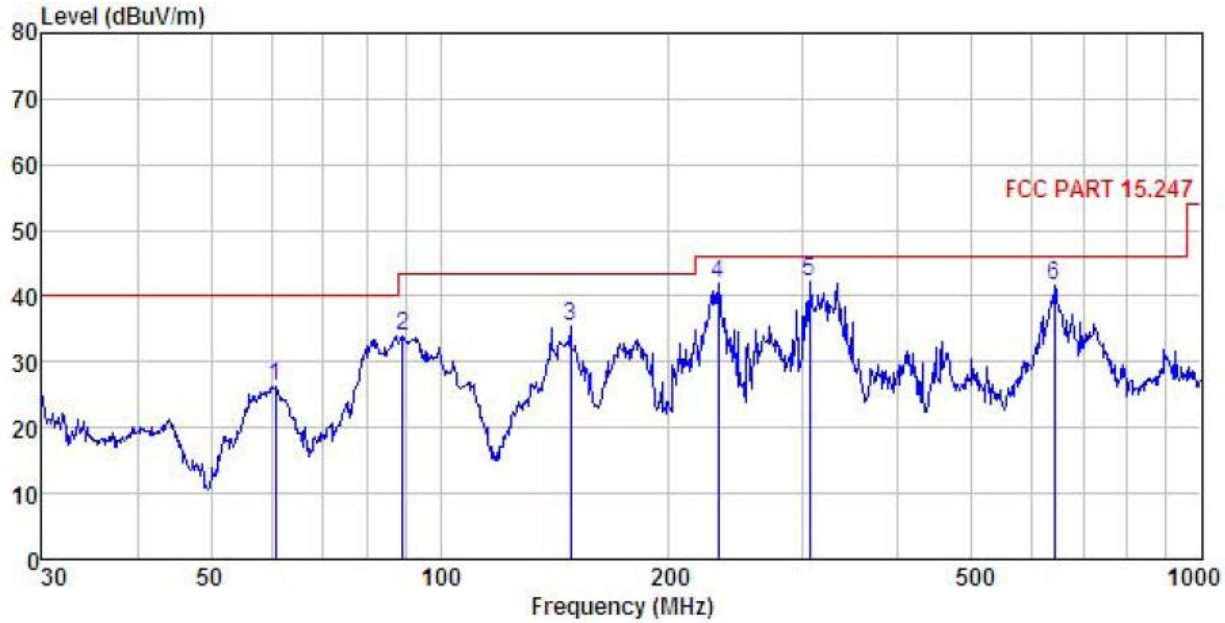
Test Polarization: Horizontal




```
Site          : 3m chamber
Condition     : FCC PART 15.247 3m VULB9163(30M2G) HORIZONTAL
EUT           : laptop
Model         : Y11C
Test mode     : BLE Mode
Power Rating  : AC 120V/60Hz
Environment   : Temp:25.5'C  Huni:55%
Test Engineer: MT
REMARK        : 3# adapter:SOY-1200300
```

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	55.221	41.73	13.44	1.36	29.80	26.73	40.00	-13.27	QP
2	142.324	46.95	8.34	2.43	29.26	28.46	43.50	-15.04	QP
3	228.490	51.23	11.44	2.84	28.66	36.85	46.00	-9.15	QP
4	299.316	55.48	13.40	2.94	28.45	43.37	46.00	-2.63	QP
5	446.414	50.54	15.60	3.19	28.86	40.47	46.00	-5.53	QP
6	642.861	49.72	18.53	3.87	28.80	43.32	46.00	-2.68	QP

Test Polarization: Vertical



Site : 3m chamber
Condition : FCC PART 15.247 3m VULB9163(30M2G) VERTICAL
EUT : laptop
Model : Y11C
Test mode : BLE Mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5℃ Huni:55%
Test Engineer: MT
REMARK : 3# adapter:SOY-1200300

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	60.704	42.46	12.28	1.38	29.77	26.35	40.00	-13.65	QP
2	89.276	50.85	10.60	2.04	29.57	33.92	43.50	-9.58	QP
3	148.441	53.56	8.46	2.50	29.23	35.29	43.50	-8.21	QP
4	231.718	56.19	11.51	2.83	28.64	41.89	46.00	-4.11	QP
5	305.680	54.20	13.45	2.96	28.46	42.15	46.00	-3.85	QP
6	640.611	47.97	18.54	3.88	28.81	41.58	46.00	-4.42	QP

Above 1GHz

Test channel: Lowest channel								
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	47.12	30.85	6.80	41.81	42.96	74.00	-31.04	Vertical
4804.00	46.82	30.85	6.80	41.81	42.66	74.00	-31.34	Horizontal
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	37.27	30.85	6.80	41.81	33.11	54.00	-20.89	Vertical
4804.00	36.48	30.85	6.80	41.81	32.32	54.00	-21.68	Horizontal
Test channel: Middle channel								
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4884.00	46.68	31.20	6.86	41.84	42.90	74.00	-31.10	Vertical
4884.00	46.59	31.20	6.86	41.84	42.81	74.00	-31.19	Horizontal
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4884.00	37.16	31.20	6.86	41.84	33.38	54.00	-20.62	Vertical
4884.00	37.25	31.20	6.86	41.84	33.47	54.00	-20.53	Horizontal
Test channel: Highest channel								
Peak Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	47.03	31.63	6.91	41.87	43.70	74.00	-30.30	Vertical
4960.00	46.86	31.63	6.91	41.87	43.53	74.00	-30.47	Horizontal
Average Value								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	37.38	31.63	6.91	41.87	34.05	54.00	-19.95	Vertical
4960.00	37.17	31.63	6.91	41.87	33.84	54.00	-20.16	Horizontal

Remark:

1. *Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*