

FCC PART 15C TEST REPORT FOR CERTIFICATION

On Behalf of

SHENZHEN ZOWEE TECHNOLOGY CO.,LTD

Tablet PC

Model No.: PT301, S1219T, PC'TAB100X-X("X"=0~9)

FCC ID: 2AAP6M1042M

Prepared for : SHENZHEN ZOWEE TECHNOLOGY CO.,LTD  
Science &Technology Industrial Park of Privately Owned  
Enterprises, Pingshan, Xili, Nanshan District, Shenzhen

Prepared By : Audix Technology (Shenzhen) Co., Ltd.  
No. 6, Ke Feng Rd., 52 Block,  
Shenzhen Science & Industrial Park,  
Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496

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Date of Test : Jul.17~Aug.03, 2015  
Date of Report : Aug.12, 2015

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## TEST REPORT CERTIFICATION

Applicant : SHENZHEN ZOWEE TECHNOLOGY CO.,LTD  
 Manufacturer : SHENZHEN ZOWEE TECHNOLOGY CO.,LTD  
 EUT Description : Tablet PC  
 FCC ID : 2AAP6M1042M  
 (A) MODEL NO. : PT301, S1219T, PC'TAB100X-X("X"=0~9)  
 (B) Power Supply : DC 5V  
 (C) Test Voltage : DC 5V From Adapter Input AC 120V/60Hz

Tested for comply with:

FCC Rules and Regulations Part 15 Subpart C: 2014  
 Test procedure used : ANSI C63.10: 2013;  
 KDB558074 D01 v03r03

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to confirm comply with all the FCC Part 15 Subpart C requirements. The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements. This report contains data that are not covered by the NVLAP accreditation.

This Report is made under FCC Part 2.1075. No modifications were required during testing to bring this product into compliance.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

Date of Test : Jul.17~Aug.03, 2015 Report of date: Aug.12, 2015

Prepared by : Cindy Zhu Reviewed by : Sunny Lu  
 Cindy Zhu / Assistant Sunny Lu / Assistant Manager

信華科技(深圳)有限公司  
 Audix Technology (Shenzhen) Co., Ltd.  
 EMC 部門報告專用章  
 Stamp only for EMC Dept. Report  
 Signature: David Jin  
 David Jin / Manager

Approved & Authorized Signer : \_\_\_\_\_

## 1. SUMMARY OF STANDARDS AND RESULTS

### 1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	Standard	Results
Power Line Conducted Emission Test	FCC Part 15: 15.207 ANSI C63.10 :2013	PASS
Radiated Emission Test	FCC Part 15: 15.209 FCC Part 15: 15.247(d) ANSI C63.10 : 2013	PASS
Conducted Spurious Emissions	FCC Part 15: 15.247(a)(1) ANSI C63.10 : 2013	PASS
Carrier Frequency Separation Test	FCC Part 15: 15.247(a)(1) ANSI C63.10 : 2013	PASS
6dB Bandwidth Test	FCC Part 15: 15.215 ANSI C63.10 : 2013	PASS
Maximum Peak Output Power Test	FCC Part 15: 15.247(b)(1) ANSI C63.10 : 2013	PASS
Band Edge Compliance Test	FCC Part 15: 15.247(d) ANSI C63.10 : 2013	PASS
Power Spectral Density Test	FCC Part 15: 15.247(d) ANSI C63.10 : 2013	PASS

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Product Name	: Tablet PC
Model Number	: PT301, S1219T, PC'TAB100X-X("X"=0~9) (Only model name and brand name difference.)
Test Model	: PT301
FCC ID	: 2AAP6M1042M
Radio	: IEEE802.11 a/b/g/n; Bluetooth V3.0+EDR; Bluetooth V4.0
Operation Frequency	: <b>IEEE 802.11a</b> : 5180MHz—5240MHz; 5260MHz—5320MHz; 5500MHz—5700MHz; 5745MHz—5825MHz <b>IEEE 802.11b</b> : 2412MHz—2462MHz <b>IEEE 802.11g</b> : 2412MHz—2462MHz <b>IEEE802.11n HT20</b> : 2412MHz—2462MHz; 5180MHz—5240MHz;5260MHz—5320MHz; 5500MHz—5700MHz; 5745MHz—5825MHz <b>Bluetooth</b> : 2402-2480MHz
Modulation Technology	IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11a/g: OFDM(64QAM, 16QAM, QPSK, BPSK) : IEEE 802.11n HT20: OFDM(64QAM, 16QAM,QPSK,BPSK) Bluetooth V3.0+EDR: GFSK, $\pi/4$ DQPSK,8-DPSK Bluetooth V4.0: GFSK
Antenna Assembly	: <b>FPC Antenna</b> ,
Gain	Bluetooth Peak Gain: 2.64dBi; 2.4GHz Peak Gain: 2.64dBi 5180-5240MHz Band: 1.99dBi; 5260-5320MHz Band: 1.18dBi 5500-5700MHz Band: 2.04dBi; 5745-5825MHz Band: 1.84dBi
Applicant	: SHENZHEN ZOWEE TECHNOLOGY CO.,LTD Science &Technology Industrial Park of Privately Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen
Manufacturer	: SHENZHEN ZOWEE TECHNOLOGY CO.,LTD Science &Technology Industrial Park of Privately Owned Enterprises, Pingshan, Xili, Nanshan District, Shenzhen
Power Adapter	: Manufacturer: Ktec, Model No.: KSA29B0500200D5
OTG Cable	: Shielded, Detachable, 10cm
USB Cable	: Shielded, Detachable, 70cm(with one core)

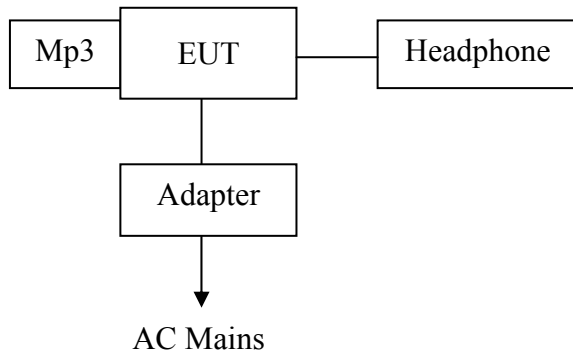
Date of Test : Jul.17~Aug.03, 2015

Date of Receipt : Jul.14, 2015

1.2. Tested Supporting System Details

No.	Description	ACS No.	Manufacturer	Model	Serial Number	Approved type
1.	Headphone	ACS-EMC-EP01	OVANN	OV880V	--	<input type="checkbox"/> FCC DoC <input type="checkbox"/> BSMI ID
		Date Cable: Shielded, Undetachable, 4.0m				
2.	Mp3	--	SONY	NWZ-B172F	--	<input type="checkbox"/> FCC DoC <input type="checkbox"/> BSMI ID

1.3. Block diagram of connection between the EUT and simulators



**(EUT: Tablet PC)**

1.4. Test information

A Special Test Software was used to control EUT work in Continuous TX mode, and select test channel.

Tested mode, channel, and data rate information			
Mode	data rate (Mbps)	Channel	Frequency (MHz)
Tx Mode GFSK modulation	3	Low :CH 0	2402
	3	Middle: CH19	2440
	3	High: CH39	2480

1.5. Test Facility

Site Description

Name of Firm : Audix Technology (Shenzhen) Co., Ltd.  
 No. 6, Ke Feng Rd., 52 Block, Shenzhen  
 Science & Industrial Park, Nantou, Shenzhen,  
 Guangdong, China

3m Anechoic Chamber : Certificated by FCC, USA  
 Registration Number: 90454  
 Valid Date: Dec.30,2017

3m & 10m Anechoic Chamber : Certificated by FCC, USA  
 Registration Number: 794232  
 Valid Date: Jul.12, 2017

EMC Lab. : Certificated by Industry Canada  
 Registration Number: IC 5183A-1  
 Valid Date: May.14, 2017

: Certificated by DAkkS, Germany  
 Registration No: D-PL-12151-01-00  
 Valid Date: Dec.15, 2016

: Accredited by NVLAP, USA  
 NVLAP Code: 200372-0  
 Valid Date: Mar.31, 2016

1.6. Measurement Uncertainty (95% confidence levels, k=2)

Test Item	Uncertainty
Uncertainty for Radiation Emission test in 3m chamber	3.0 dB(30~200MHz, Polarize: H)
	3.0 dB(30~200MHz, Polarize: V)
	3.2 dB(200M~1GHz, Polarize: H)
	3.1 dB(200M~1GHz, Polarize: V)
Uncertainty for Radiation Emission test in 3m chamber (1GHz-18GHz)	6.3 dB (1~6GHz, Distance: 3m)
	5.7 dB (6~18GHz, Distance: 3m)
Uncertainty for Radiated Spurious Emission test in RF chamber	3.6 dB
Uncertainty for Conduction Spurious emission test	2.0 dB
Uncertainty for Output power test	0.8 dB
Uncertainty for Bandwidth test	83 kHz
Uncertainty for DC power test	0.1 %
Uncertainty for test site temperature and humidity	0.6°C
	3%

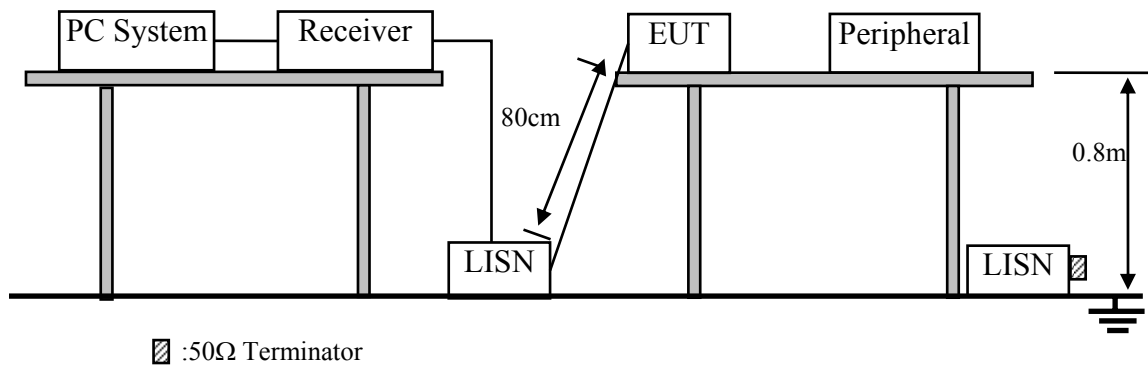


## 2. POWER LINE CONDUCTED EMISSION TEST

### 2.1. Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	1# Shielding Room	AUDIX	N/A	N/A	Apr.17,15	1 Year
2.	Test Receiver	Rohde & Schwarz	ESCI	100842	Apr.28,15	1 Year
3.	L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	100429	Oct.29,14	1 Year
4.	L.I.S.N.#2	Kyoritsu	K NW-403D	8-1750-2	Apr.28,15	1 Year
5.	Terminator	Hubersuhner	50Ω	No.1	Apr.28,15	1 Year
6.	Terminator	Hubersuhner	50Ω	No.2	Apr.28,15	1 Year
7.	RF Cable	MIYAZAKI	3D-2W	No.1	Apr.28,15	1Year
8.	Coaxial Switch	Anritsu	MP59B	6200766906	Apr.28,15	1 Year
9.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	101838	Oct.29,14	1 Year
10.	Test Software	AUDIX	E3	6.100913a	N/A	N/A

### 2.2. Block Diagram of Test Setup



### 2.3. Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

- Notes: 1. \* Decreasing linearly with logarithm of frequency.  
 2. The lower limit shall apply at the transition frequencies.

## 2.4. Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

### 2.4.1. Tablet PC (EUT)

Model Number : PT301  
Serial Number : N/A

2.4.2. Support Equipment: As Tested Supporting System Details, in Section 2.2.

## 2.5. Operating Condition of EUT

2.5.1. Setup the EUT and simulator as shown as Section 3.2.

2.5.2. Turned on the power of all equipment.

2.5.3. PC run test software to control EUT work in Tx mode.

## 2.6. Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via PC connected to the power mains through a line impedance stabilization network (L.I.S.N. 1#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.

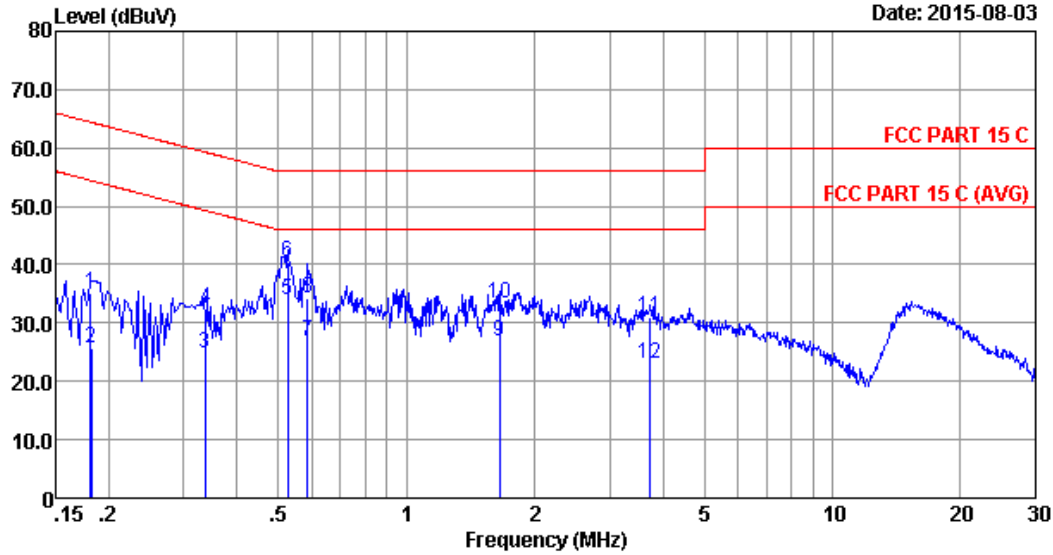
The bandwidth of test receiver (R & S ESHS10) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

## 2.7. Power Line Conducted Emission Test Results

**PASS.** (All emissions not reported below are too low against the prescribed limits.)

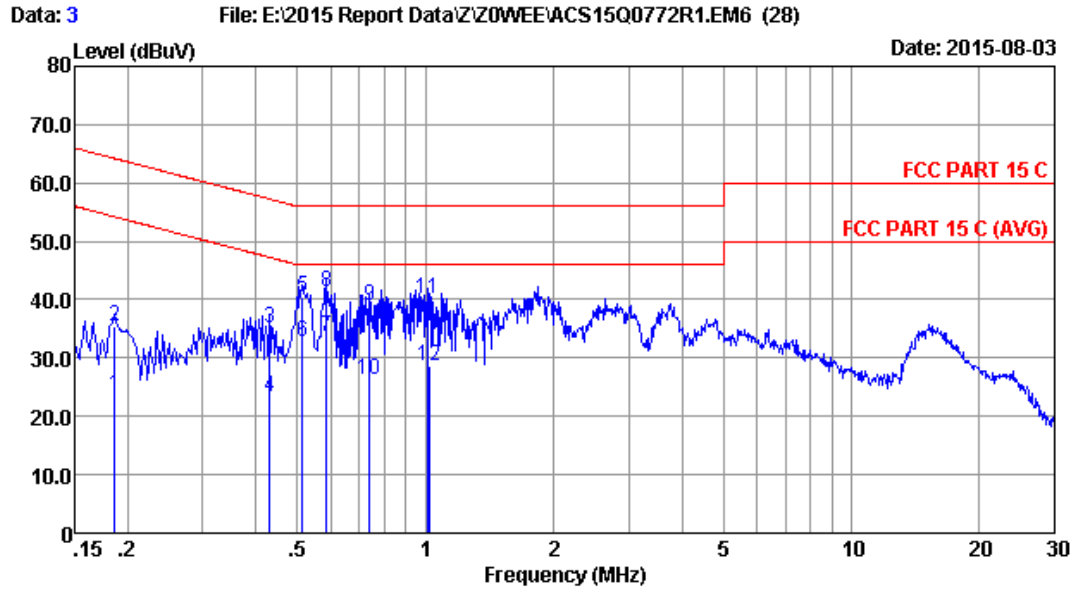
Data: 4 File: E:\2015 Report Data\Z\ZOWEE\ACS15Q0772R1.EM6 (28) Date: 2015-08-03



Site no :1# Conduction Data No :4  
 Dis./Lisn :2014 ESH2-Z5 LINE  
 Limit :FCC PART 15 C  
 Env./Ins. :25.2\*C/53% Engineer :Nick\_Huang  
 EUT :Tablet PC  
 Power Rating :AC 120V/60Hz  
 Test Mode :TX Mode (BT4.0)  
 M/N:PT301

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.182	0.14	9.93	25.18	35.25	64.42	29.17	QP
2	0.182	0.14	9.93	15.59	25.66	54.41	28.75	Average
3	0.337	0.14	9.93	14.60	24.67	49.28	24.61	Average
4	0.337	0.14	9.93	22.48	32.55	59.27	26.72	QP
5	0.526	0.15	9.94	23.80	33.89	46.00	12.11	Average
6	0.527	0.15	9.94	30.40	40.49	56.00	15.51	QP
7	0.585	0.15	9.94	16.70	26.79	46.00	19.21	Average
8	0.585	0.15	9.94	24.20	34.29	56.00	21.71	QP
9	1.653	0.18	9.97	16.70	26.85	46.00	19.15	Average
10	1.654	0.18	9.97	23.20	33.35	56.00	22.65	QP
11	3.740	0.22	10.03	20.85	31.10	56.00	24.90	QP
12	3.742	0.22	10.03	12.86	23.11	46.00	22.89	Average

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.  
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



Site no :1# Conduction Data No :3  
 Dis./Lisn :2014 ESH2-25 NEUTRAL  
 Limit :FCC PART 15 C  
 Env./Ins. :25.2\*C/53% Engineer :Nick\_Huang  
 EUT :Tablet PC  
 Power Rating :AC 120V/60Hz  
 Test Mode :TX Mode (BT4.0)  
 M/N:PT301

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.186	0.13	9.93	13.60	23.66	54.21	30.55	Average
2	0.186	0.13	9.93	25.40	35.46	64.20	28.74	QP
3	0.431	0.15	9.94	25.13	35.22	57.24	22.02	QP
4	0.431	0.15	9.94	13.10	23.19	47.23	24.04	Average
5	0.513	0.16	9.94	30.42	40.52	56.00	15.48	QP
6	0.513	0.16	9.94	22.60	32.70	46.00	13.30	Average
7	0.585	0.16	9.94	23.60	33.70	46.00	12.30	Average
8	0.585	0.16	9.94	31.17	41.27	56.00	14.73	QP
9	0.739	0.16	9.95	28.99	39.10	56.00	16.90	QP
10	0.740	0.16	9.95	16.30	26.41	46.00	19.59	Average
11	1.016	0.18	9.96	29.92	40.06	56.00	15.94	QP
12	1.017	0.18	9.96	18.50	28.64	46.00	17.36	Average

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.  
 2.If the average limit is met when using a quasi-peak detector.  
 the EUT shall be deemed to meet both limits and measurement  
 with average detector is unnecessary.

### 3. RADIATED EMISSION MEASUREMENT

#### 3.1. Test Equipment

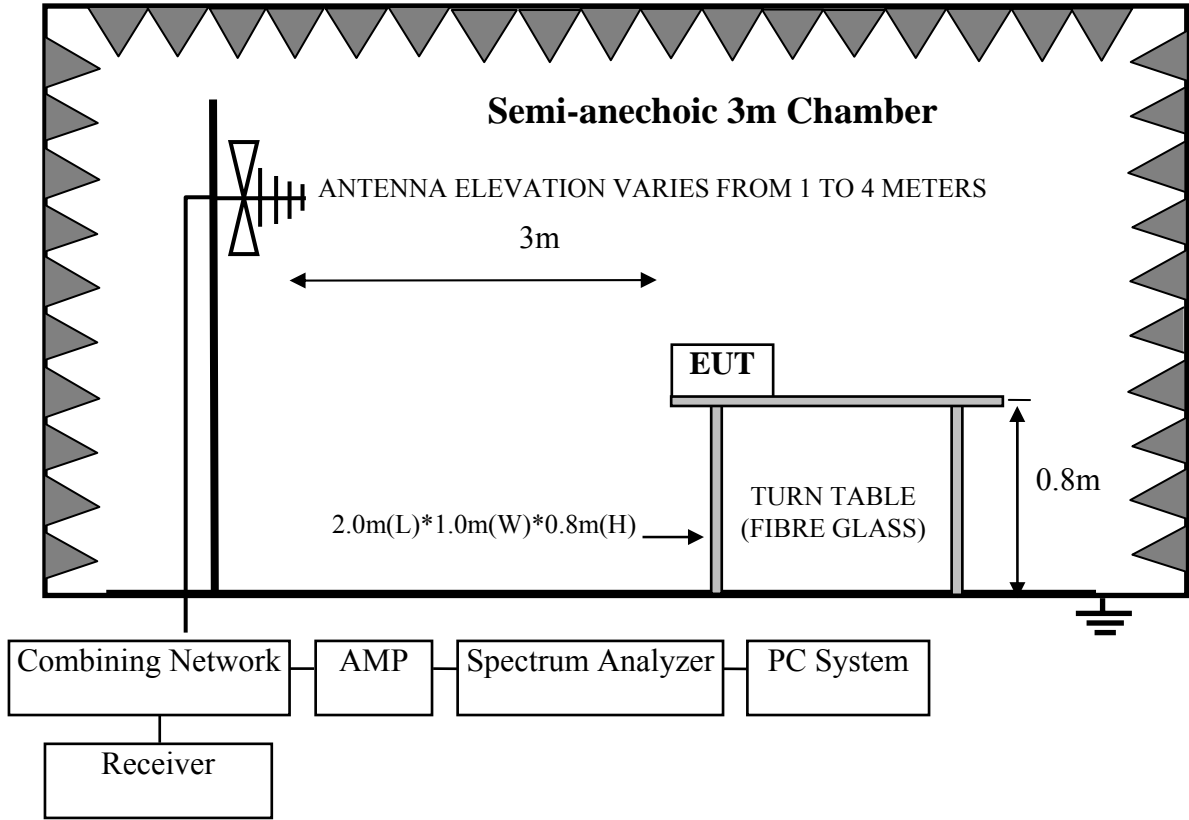
Frequency rang: 30~1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	3#Chamber	AUDIX	N/A	N/A	Nov.23,14	1 Year
2.	EMI Spectrum	Agilent	E4407B	MY41440292	Apr.28,15	1 Year
3.	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	Apr.28,15	1 Year
4.	Amplifier	HP	8447D	2648A04738	Apr.28,15	1 Year
5.	Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-493	May.06,15	1 Year
6.	RF Cable	MIYAZAKI	CFD400-NW (3.5M)	No.3	Apr.28,15	1 Year
7.	RF Cable	MIYAZAKI	CFD400-LW (22M)	No.7	Apr.28,15	1 Year
8.	Coaxial Switch	Anritsu	MP59B	6201397222	Apr.28,15	1 Year
9.	Test Software	AUDIX	E3	6.2009-5-21a(n)	N/A	N/A

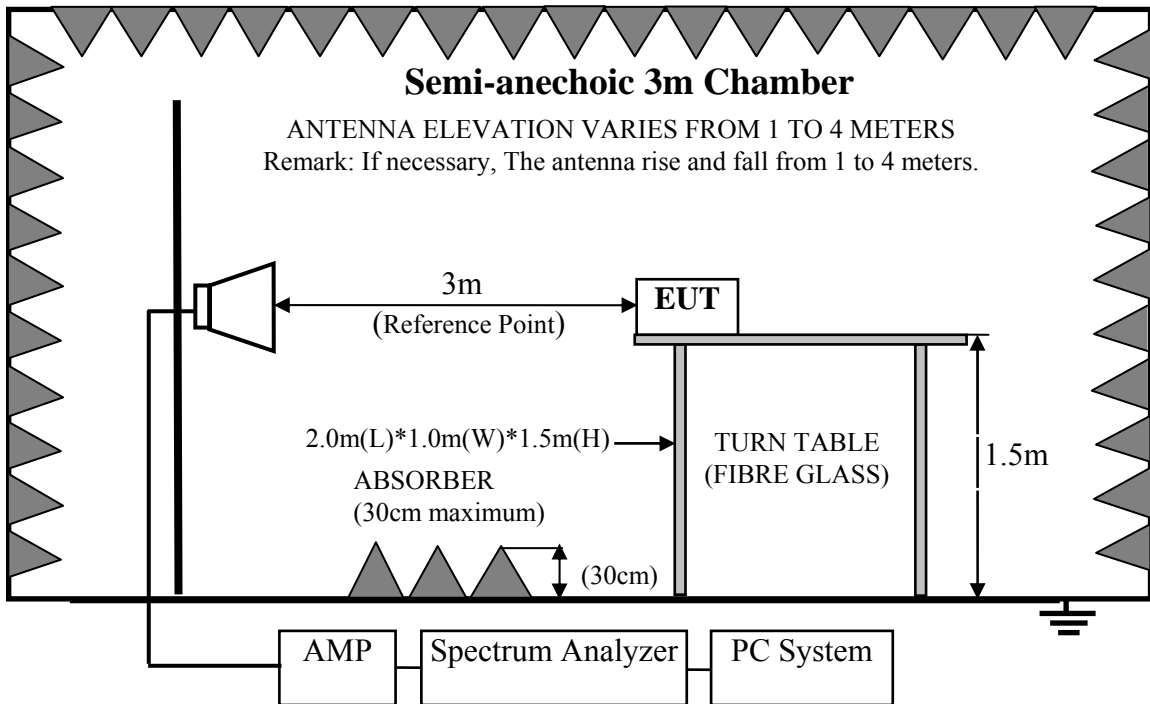
Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	Apr.28,15	1 Year
2	Horn Antenna	ETS	3115	9510-4877	Sep.20,14	1 Year
3	Amplifier	Agilent	8449B	3008A02495	Apr.28,15	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX106	77977/6	Apr.28,15	1 Year
5	Horn Antenna	ETS	3116	00060089	Sep.20,14	1 Year
6	Test Software	AUDIX	E3	6.2009-5-21a(n)	N/A	N/A

3.2. Block Diagram of Test Setup  
For frequency range 30MHz-1000MHz



For frequency range 1GHz-25GHz



3.3. Radiated Emission Limit Standard:

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000MHz	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

- Remark :
- (1) Emission level dBμV = 20 log Emission level μV/m
  - (2) The smaller limit shall apply at the cross point between two frequency bands.
  - (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.
  - (4) The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.

3.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

3.4.1. Tablet PC (EUT)

Model Number : PT301  
Serial Number : N/A

3.5. Operating Condition of EUT

- 3.5.1. Setup the EUT and simulator as shown as Section 4.2.
- 3.5.2. Turned on the power of all equipment.
- 3.5.3. Let EUT work in Tx mode.

3.6. Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground for frequency 30MHz~1000MHz, 1.5 meter high above ground for frequency above 1GHz and put the absorbing with 2.4m(L)\*2.4m(W)\*0.3m(H) on the ground . The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it.EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna for frequency 30MHz~1000MHz, and the Horn antenna is used as receiving antenna for frequency above 1GHz. Both horizontal and vertical polarization of the antenna is set on Test. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10-2013 on radiated emission Test.

This test was performed with EUT in X, Y, Z position, and the worse case was found when EUT in X position as the test photo indicated.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's RBW is set at 1MHz and VBW is set at 3MHz for peak emissions measurement above 1GHz.

This device is pulse Modulated, a duty cycle factor was used to calculated average level based measured peak level.

The frequency range from 30MHz to 10th harmonic (25GHz) are checked. and no any emissions were found from 18GHz to 25 GHz, So the radiated emissions from 18GHz to 25GHz were not record.

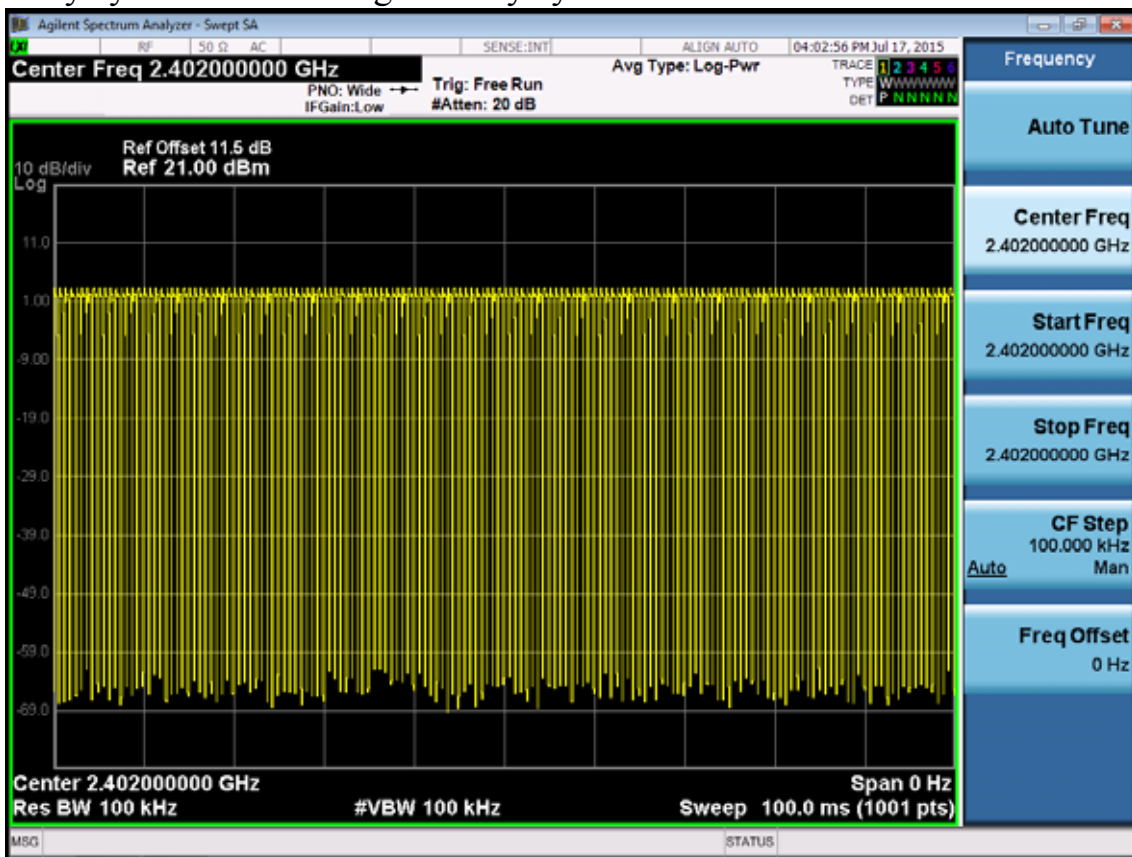
### 3.7. Radiated Emission Test Results

**PASS.**

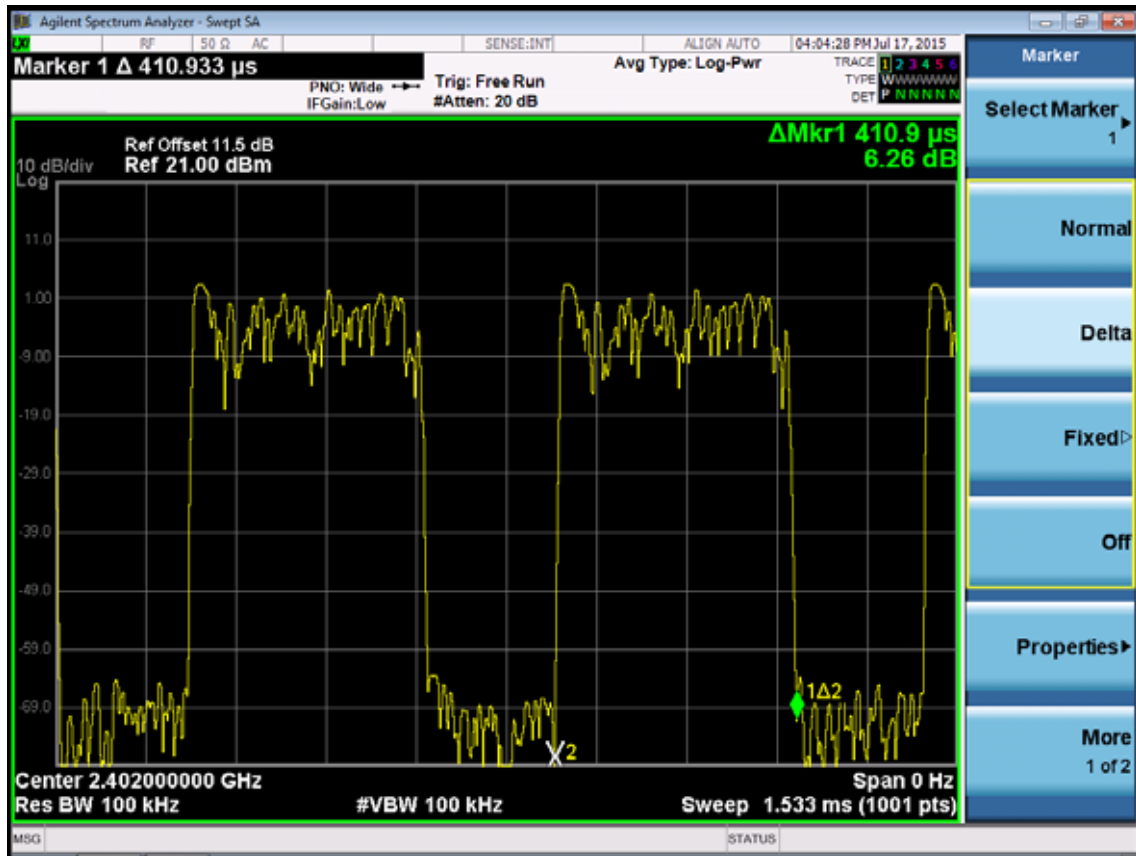
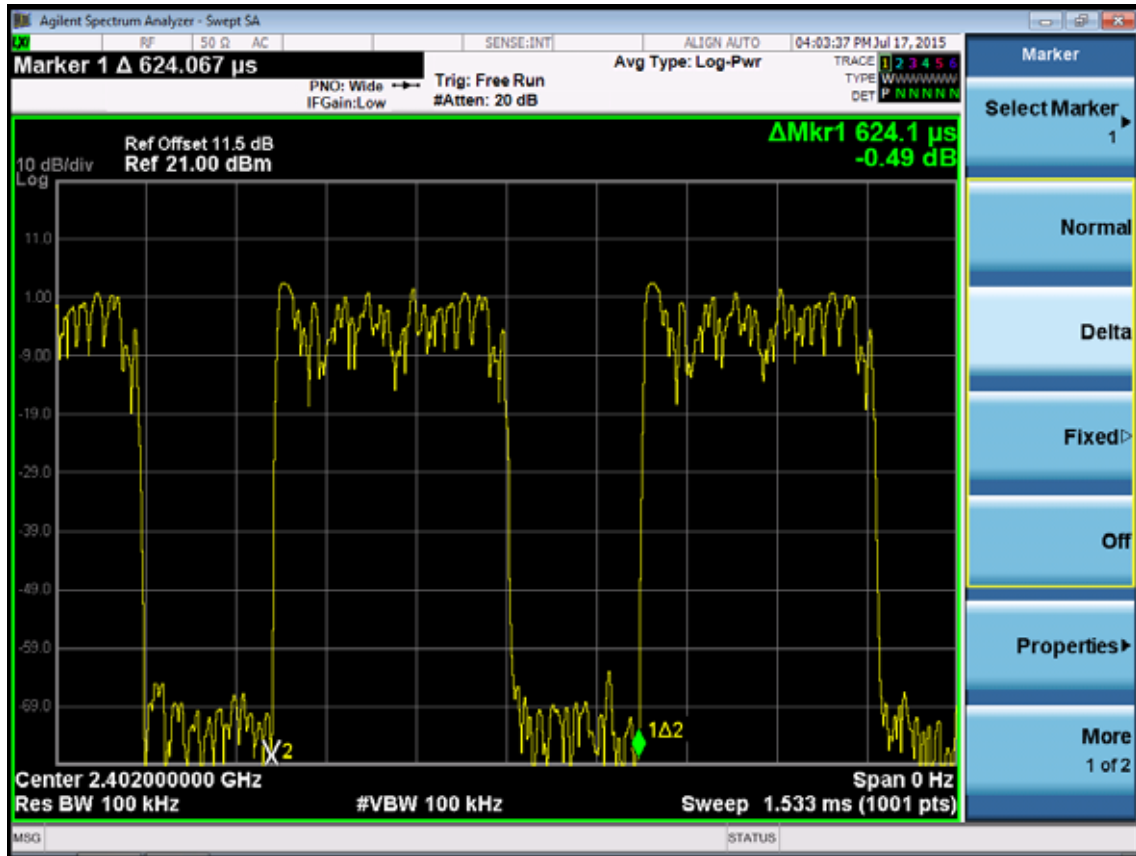
All the emissions from 30MHz to 25GHz were comply with the 15.209 Limit.

Note: The duty cycle factor for calculate average level is 3.630 dB, and average limit is 20dB below peak limit, so if peak measured level comply with average limit, the average level was deemed to comply with average limit

$$\text{Duty cycle factor} = 20\log (1/\text{duty cycle}) = 3.630$$





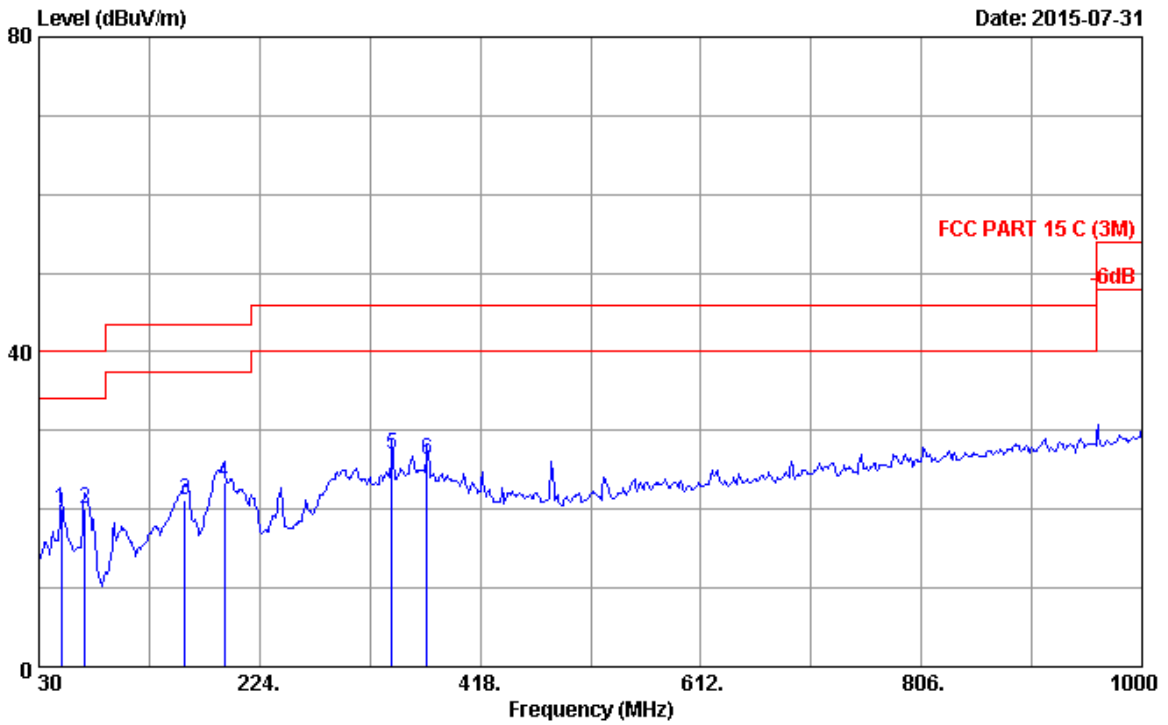


**Frequency: 30MHz~1GHz**

Data: 4

File: E:\2015 Report Data\M\MEDION\ACS15Q0772R1-rf.EM6 (14)

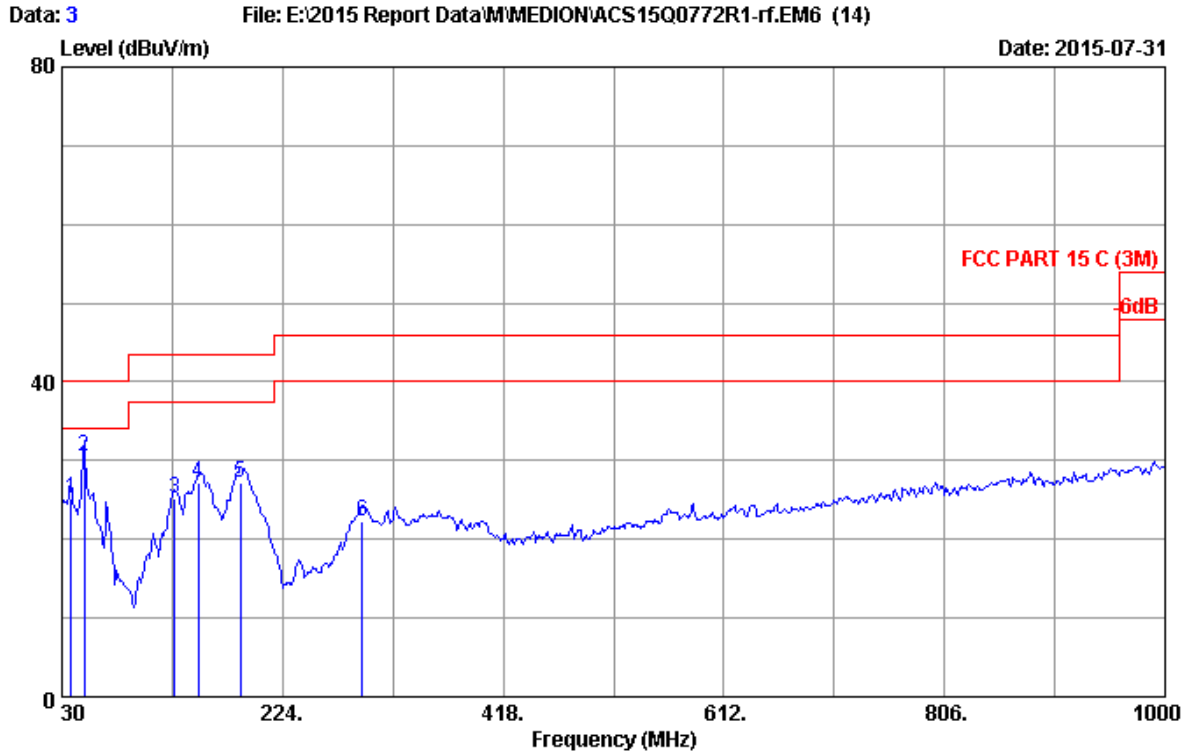
Date: 2015-07-31



Site no. : 3m Chamber Data no. : 4  
 Dis. / Ant. : 3m 2015 VULB 9168-493 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 C (3M)  
 Env. / Ins. : 24°C/56% Engineer : Jolly\_Xu  
 EUT : Tablet PC M/N:PT301  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	49.400	14.38	0.81	4.77	19.96	40.00	20.04	QP
2	70.740	11.42	0.93	7.81	20.16	40.00	19.84	QP
3	158.040	14.38	1.35	5.51	21.24	43.50	22.26	QP
4	192.960	11.55	1.49	10.45	23.49	43.50	20.01	QP
5	340.400	14.91	2.03	10.11	27.05	46.00	18.95	QP
6	371.440	15.70	2.12	8.55	26.37	46.00	19.63	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 3  
 Dis. / Ant. : 3m 2015 VULB 9168-493 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 C (3M)  
 Env. / Ins. : 24°C/56% Engineer : Jolly\_Xu  
 EUT : Tablet PC M/N:PT301  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : Tx Mode

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	37.760	14.04	0.61	10.59	25.24	40.00	14.76	QP
2	49.400	14.38	0.81	15.42	30.61	40.00	9.39	QP
3	128.940	13.18	1.21	10.86	25.25	43.50	18.25	QP
4	150.280	14.30	1.29	11.60	27.19	43.50	16.31	QP
5	187.140	12.03	1.46	13.60	27.09	43.50	16.41	QP
6	293.840	13.95	1.87	6.43	22.25	46.00	23.75	QP

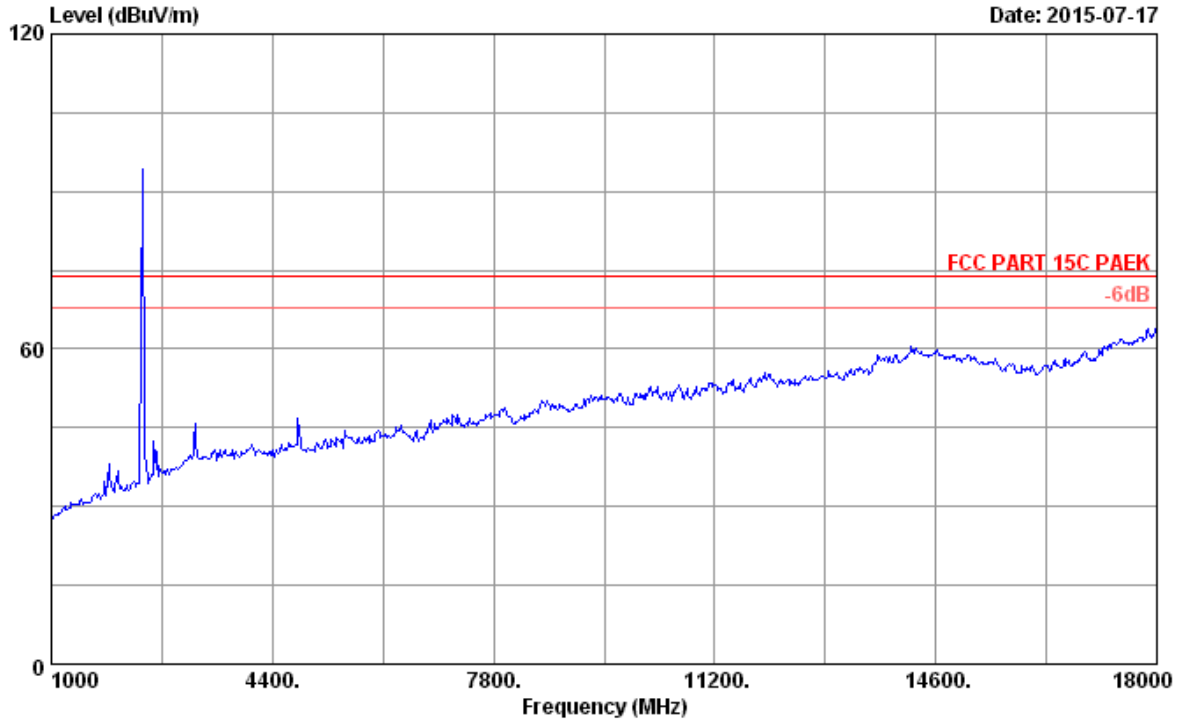
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.

### Frequency:1GHz~18GHz

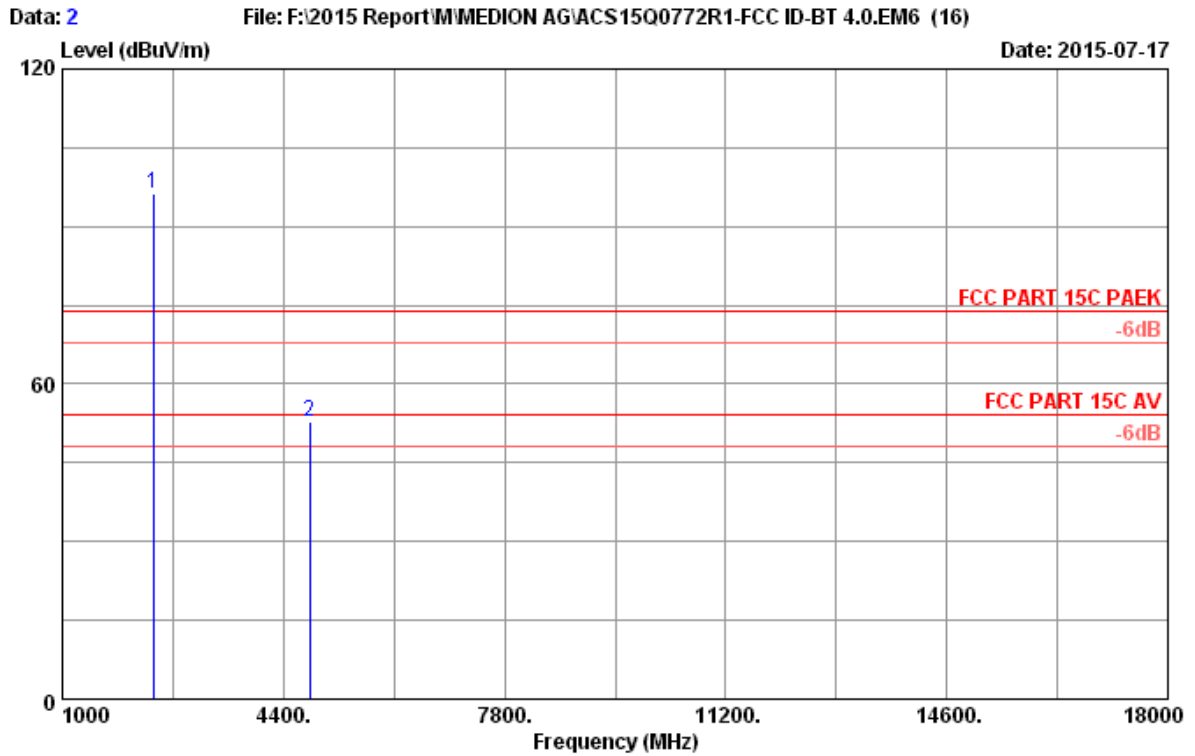
Data: 1

File: F:\2015 Report\MEDION AG\ACS1500772R1-FCC ID-BT 4.0.EM6 (16)

Date: 2015-07-17



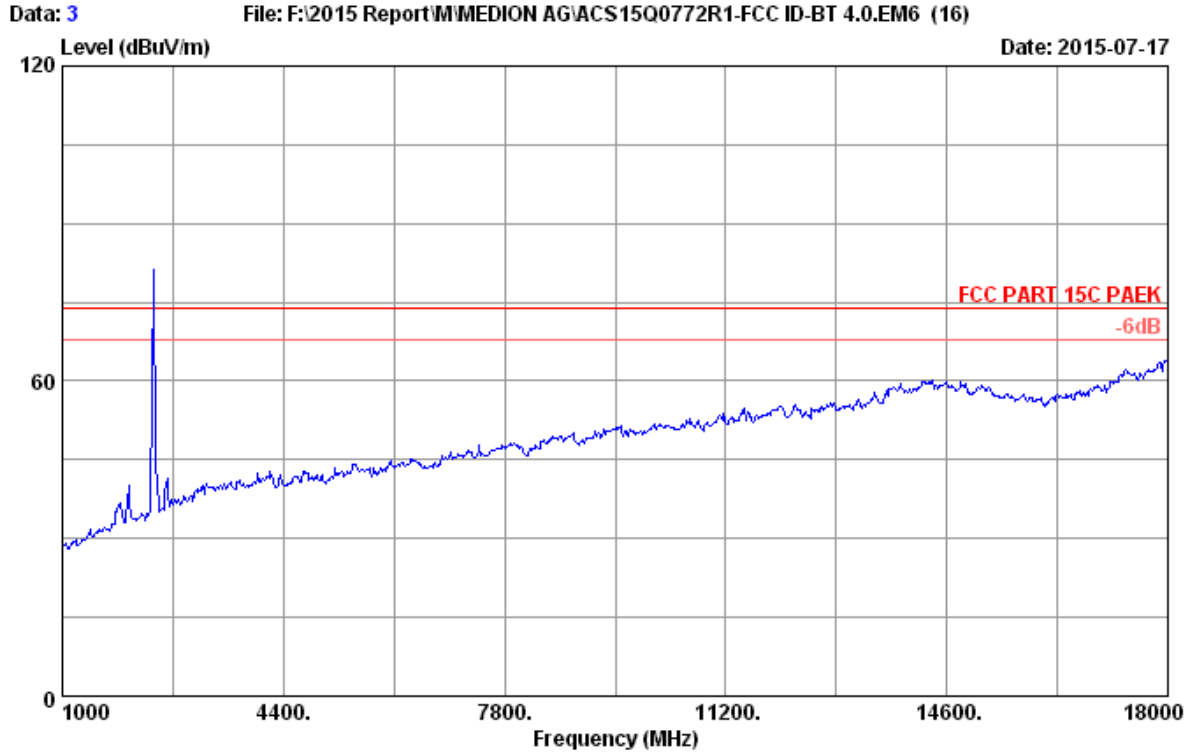
Site no. : 3m Chamber Data no. : 1  
Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PAEK  
Env. / Ins. : 23°C/54%  
Engineer : Alice\_yang  
EUT : Tablet PC  
Power rating : DC 5V From Adapter Input AC 120V/60Hz  
Test Mode : GFSK 2402MHz Tx Mode  
: PT301  
:



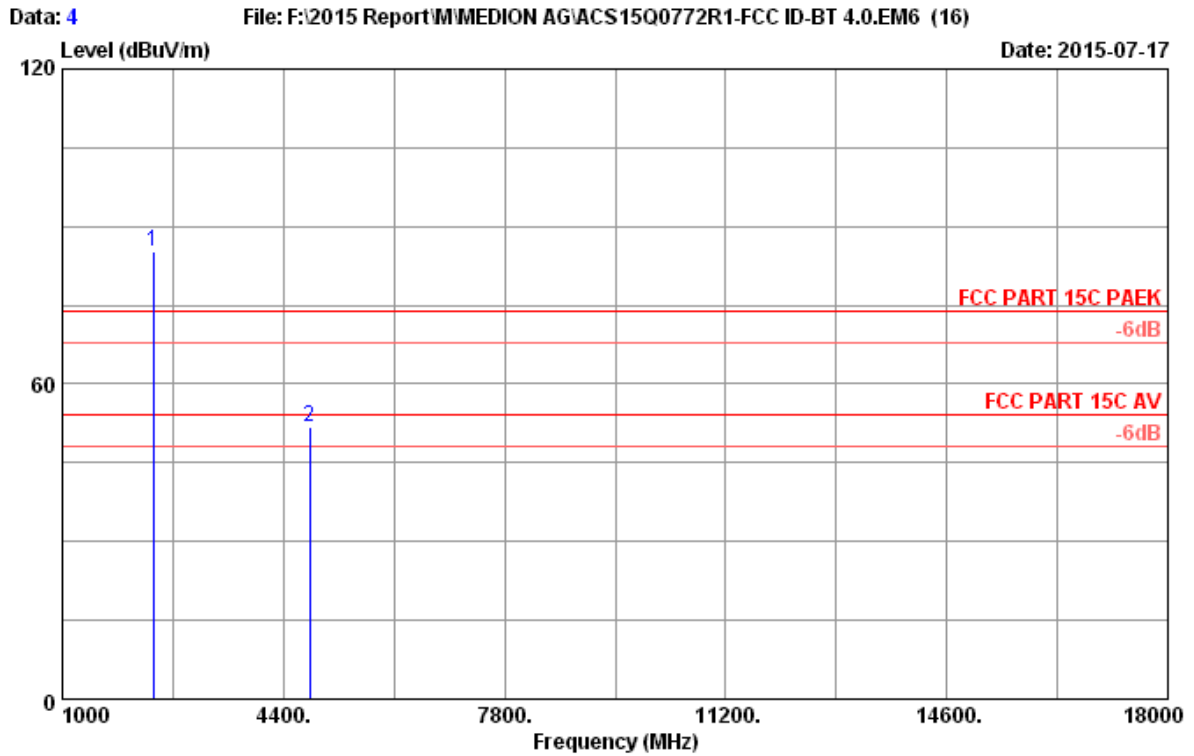
Site no. : 3m Chamber Data no. : 2  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2402MHz Tx Mode  
 : PT301  
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.26	7.32	36.62	97.20	96.16	74.00	-22.16	Peak
2	4804.000	33.02	9.46	35.54	45.88	52.82	74.00	21.18	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.



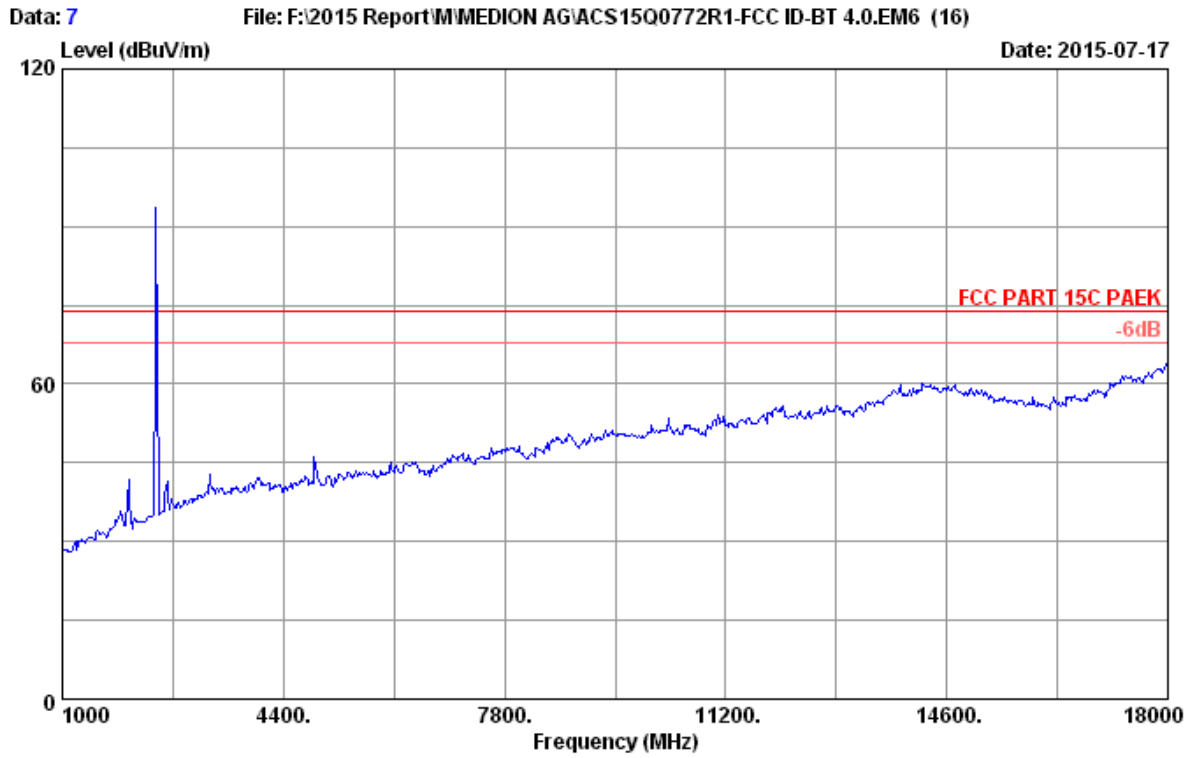
Site no. : 3m Chamber Data no. : 3  
Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL  
Limit : FCC PART 15C PAEK  
Env. / Ins. : 23°C/54%  
Engineer : Alice\_yang  
EUT : Tablet PC  
Power rating : DC 5V From Adapter Input AC 120V/60Hz  
Test Mode : GFSK 2402MHz Tx Mode  
: PT301  
:



Site no. : 3m Chamber Data no. : 4  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23\*C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2402MHz Tx Mode  
 : PT301  
 :

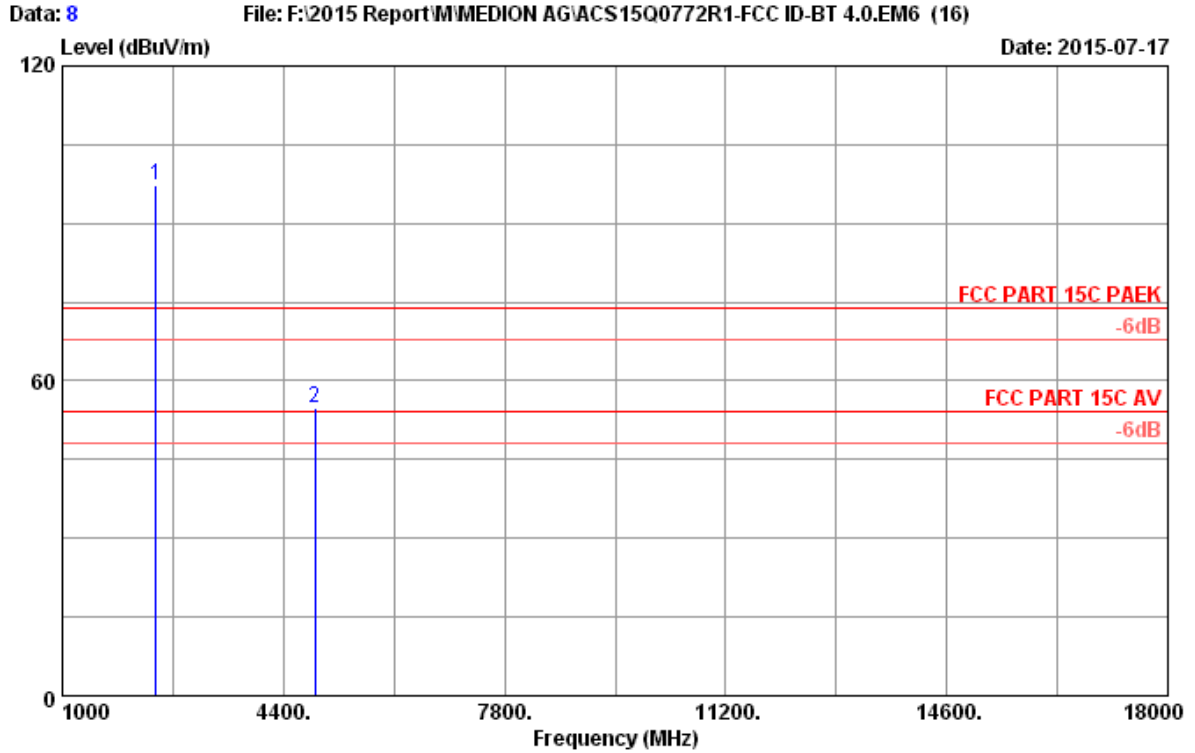
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2402.000	28.26	7.32	36.62	86.17	85.13	74.00	-11.13	Peak
2	4804.000	33.02	9.46	35.54	44.83	51.77	74.00	22.23	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 7  
Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PAEK  
Env. / Ins. : 23°C/54%  
Engineer : Alice\_yang  
EUT : Tablet PC  
Power rating : DC 5V From Adapter Input AC 120V/60Hz  
Test Mode : GFSK 2440MHz Tx Mode  
: PT301  
:



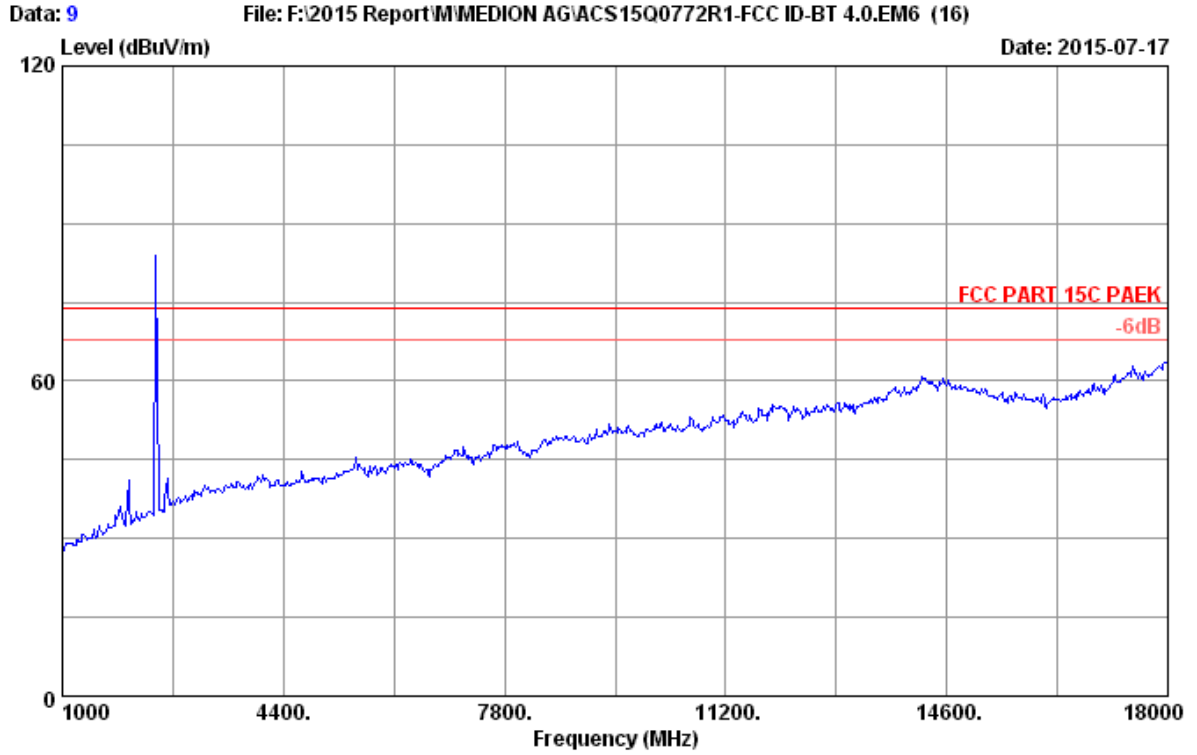


Site no. : 3m Chamber Data no. : 8  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2440MHz Tx Mode  
 : PT301  
 :

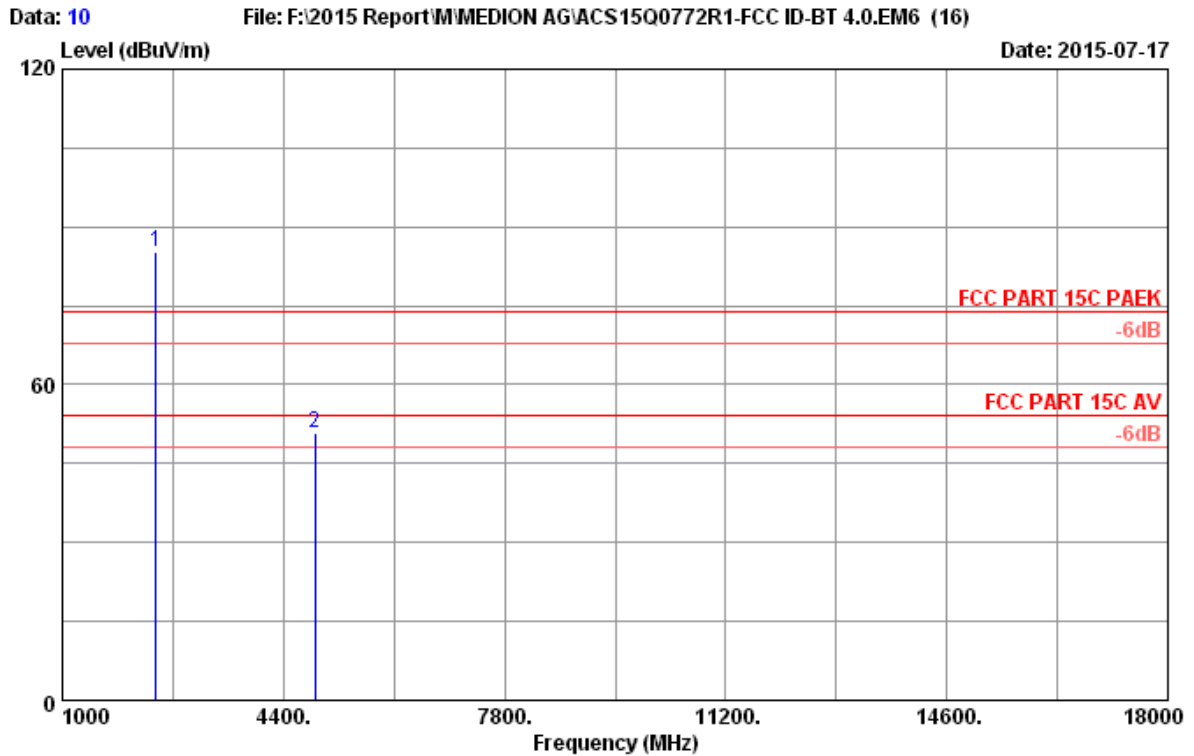
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.000	28.31	7.39	36.60	98.17	97.27	74.00	-23.27	Peak
2	4880.000	33.17	9.49	35.51	47.74	54.89	74.00	19.11	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.

Frequency (MHz)	Peak level (dBuV/m)	Duty cycle factor (dB)	AV level (dBuV/m)	Limit (dBuV/m)	Conclusion
4880	54.89	3.630	51.260	54	Pass



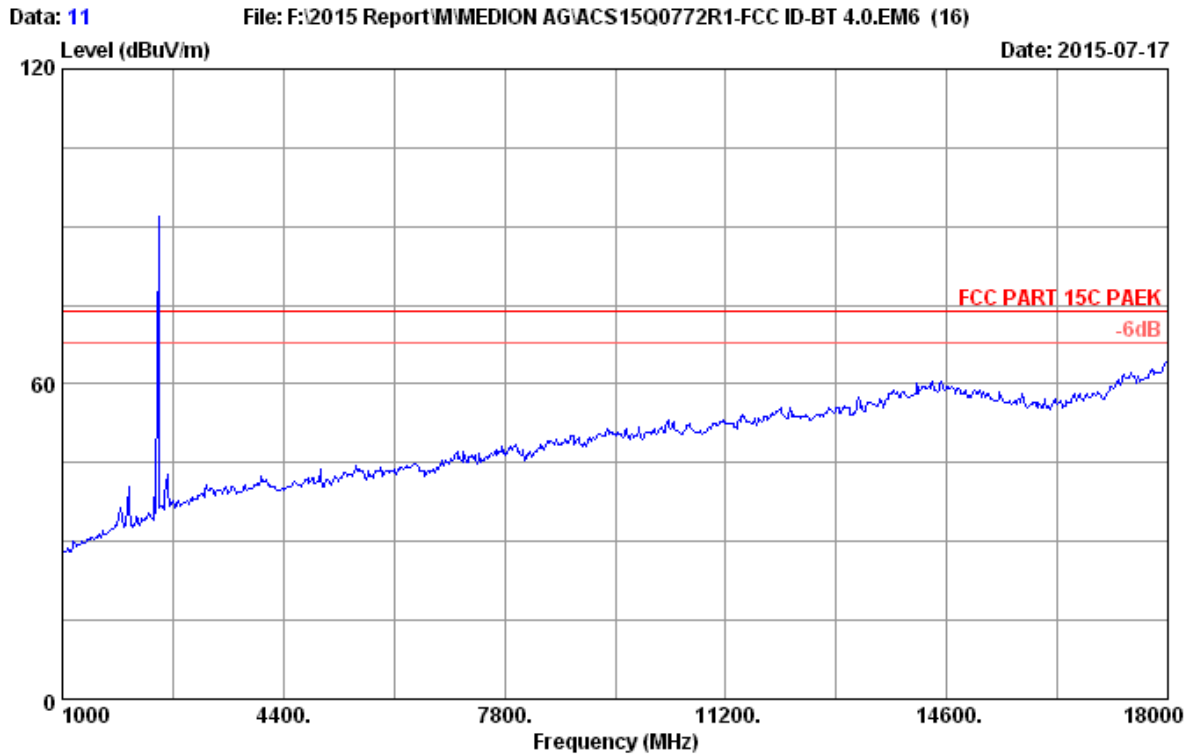
Site no. : 3m Chamber Data no. : 9  
Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL  
Limit : FCC PART 15C PAEK  
Env. / Ins. : 23°C/54%  
Engineer : Alice\_yang  
EUT : Tablet PC  
Power rating : DC 5V From Adapter Input AC 120V/60Hz  
Test Mode : GFSK 2440MHz Tx Mode  
: PT301  
:



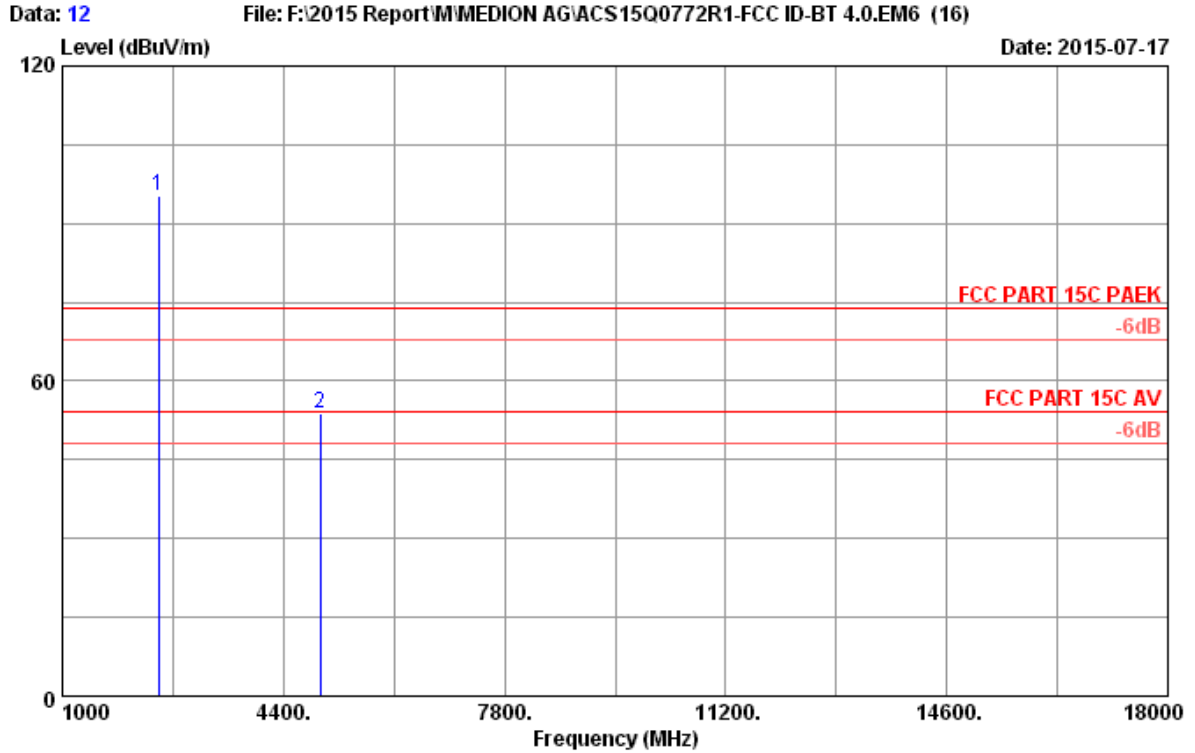
Site no. : 3m Chamber Data no. : 10  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2440MHz Tx Mode  
 : PT301  
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.000	28.31	7.39	36.60	86.26	85.36	74.00	-11.36	Peak
2	4880.000	33.17	9.49	35.51	43.82	50.97	74.00	23.03	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.



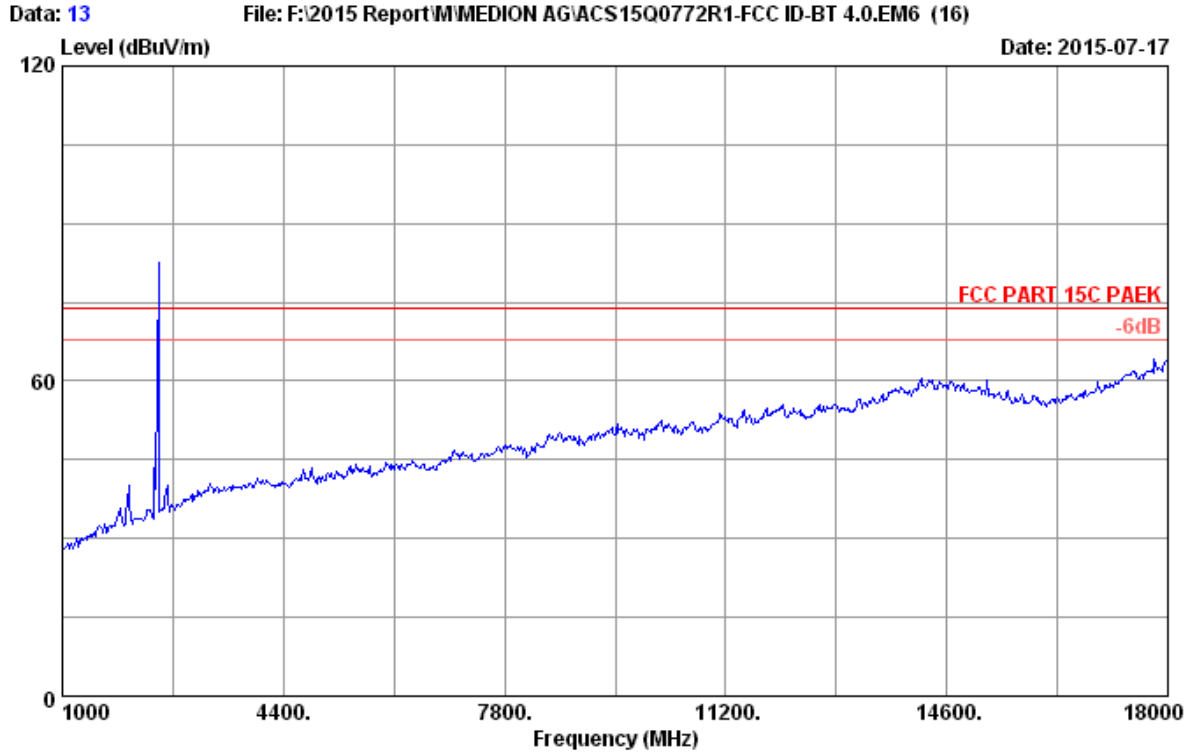
Site no. : 3m Chamber Data no. : 11  
Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL  
Limit : FCC PART 15C PAEK  
Env. / Ins. : 23°C/54%  
Engineer : Alice\_yang  
EUT : Tablet PC  
Power rating : DC 5V From Adapter Input AC 120V/60Hz  
Test Mode : GFSK 2480MHz Tx Mode  
: PT301  
:



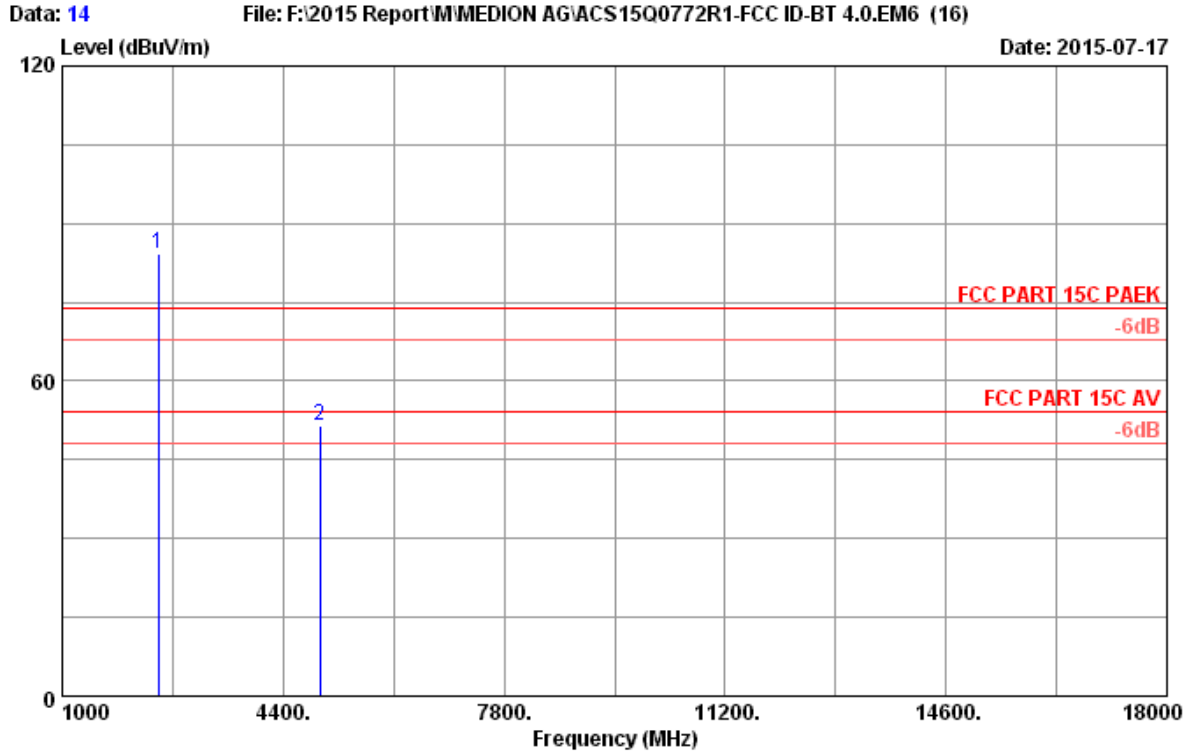
Site no. : 3m Chamber Data no. : 12  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2480MHz Tx Mode  
 : PT301  
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.37	7.47	36.59	95.89	95.14	74.00	-21.14	Peak
2	4960.000	33.32	9.52	35.47	46.37	53.74	74.00	20.26	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 13  
Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL  
Limit : FCC PART 15C PAEK  
Env. / Ins. : 23\*C/54%  
Engineer : Alice\_yang  
EUT : Tablet PC  
Power rating : DC 5V From Adapter Input AC 120V/60Hz  
Test Mode : GFSK 2480MHz Tx Mode  
: PT301  
:



Site no. : 3m Chamber Data no. : 14  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2480MHz Tx Mode  
 : PT301  
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.37	7.47	36.59	84.97	84.22	74.00	-10.22	Peak
2	4960.000	33.32	9.52	35.47	44.18	51.55	74.00	22.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.

## 4. CONDUCTED SPURIOUS EMISSIONS

### 4.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.29,14	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.28,15	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.26,14	1 Year

### 4.2. Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

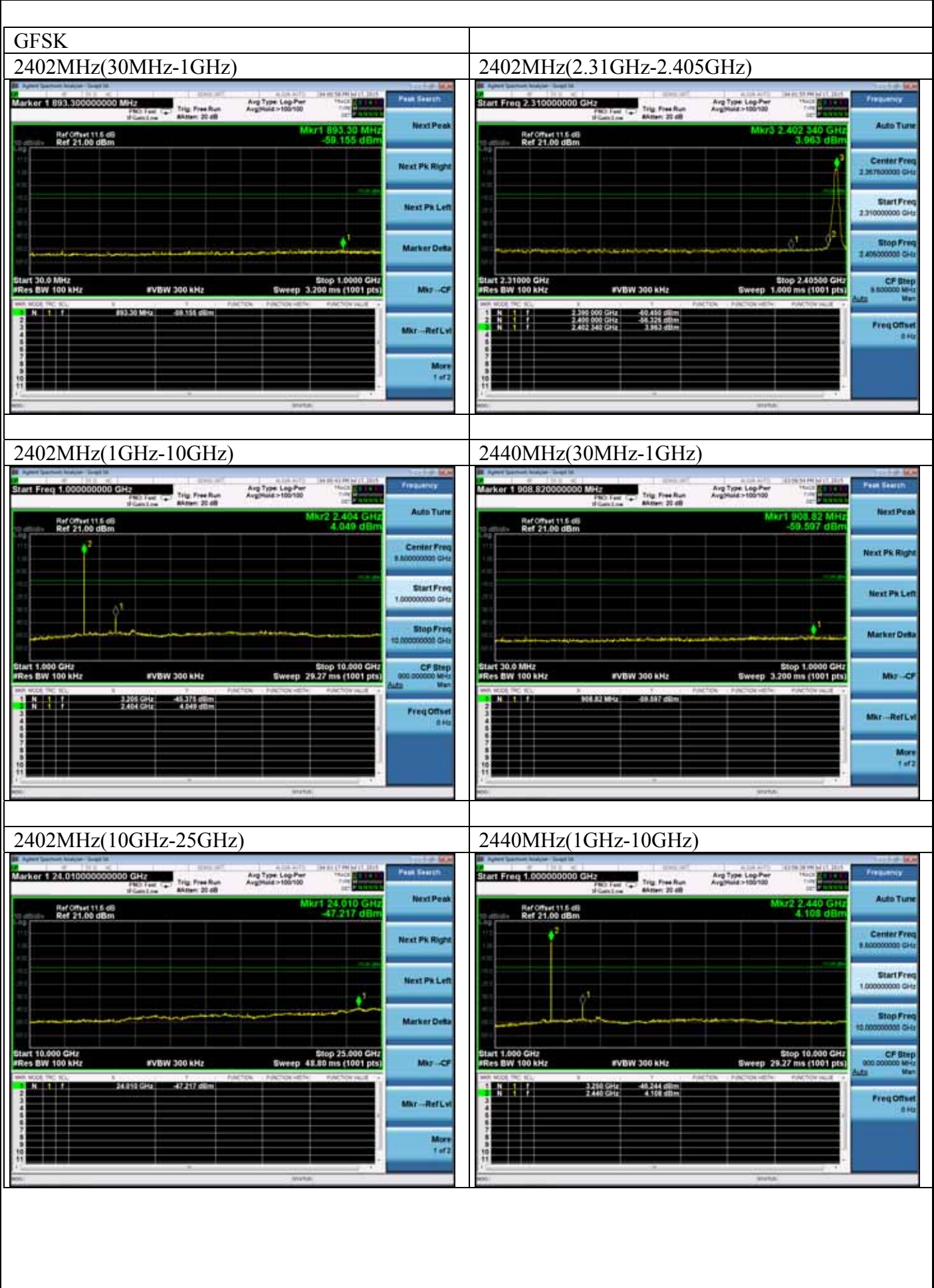
### 4.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions With peak detector.

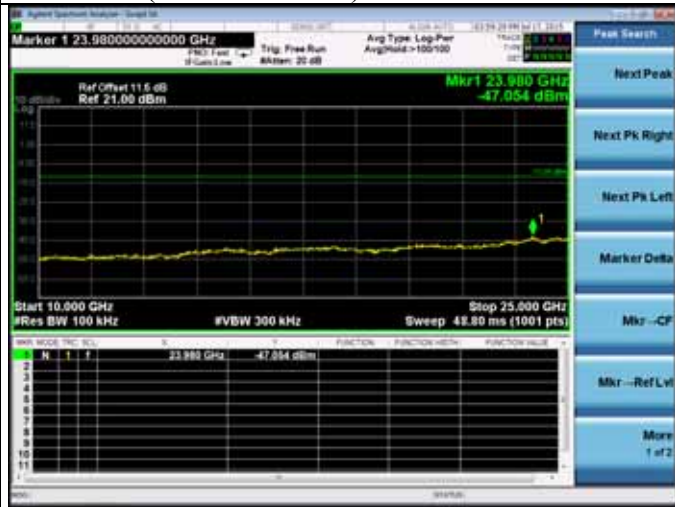
### 4.4. Test result

**PASS** (The testing data was attached in the next pages.)

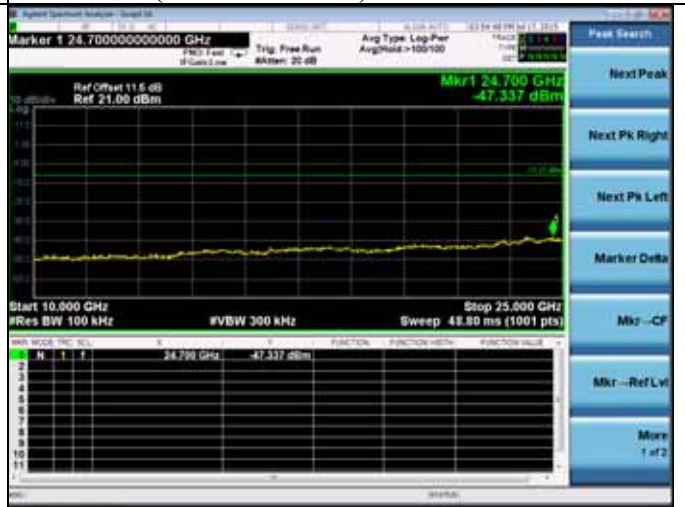




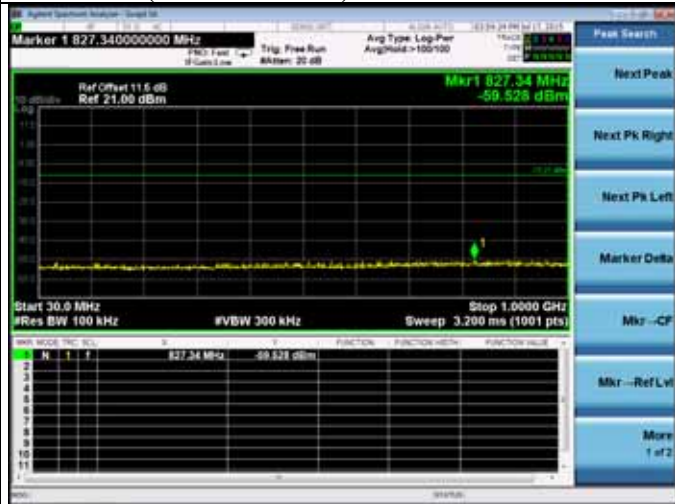
2440MHz(10GHz-25GHz)



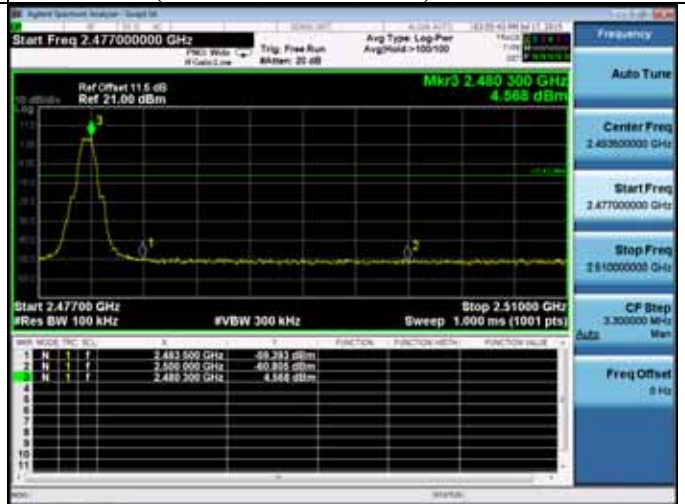
2480MHz(10GHz-25GHz)



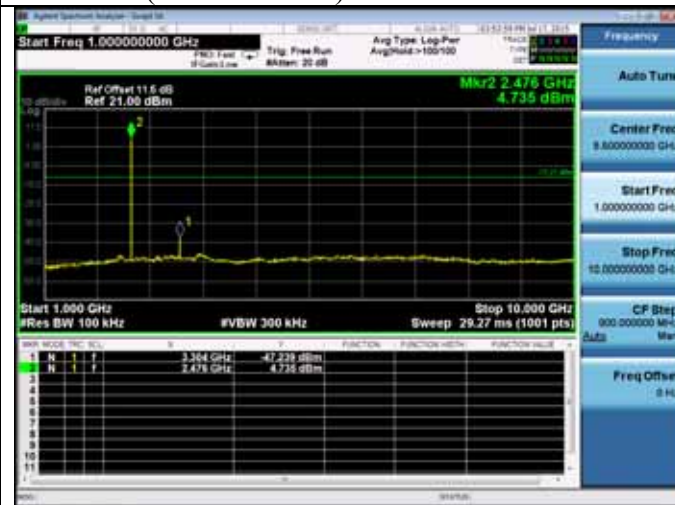
2480MHz(30MHz-1GHz)



2480MHz(2.477GHz-2.51GHz)



2480MHz(1GHz-10GHz)



## 5. 6dB BANDWIDTH TEST

### 5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.29,14	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.28,15	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.26,14	1 Year

### 5.2. Limit

For direct sequence systems, the minimum 6dB bandwidth shall be at least 500kHz.

### 5.3. Test Procedure

The transmitter output was connected to a spectrum analyzer, The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 300KHz VBW. The 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

### 5.4. Test Results

EUT : Tablet PC		
M/N:PT301		
Test date: 2015-07-17	Pressure: 101.1±1.0 kpa	Humidity: 51.6±3.0%
Tested by: Alice-yang	Test site: RF site	Temperature:23.9±0.6 °C

Test Mode	Frequency (MHz)	6 dB bandwidth (kHz)	Limit (KHz)
GFSK	2402	723.5	>500
	2440	724.4	>500
	2480	726.6	>500
Conclusion : PASS			

<p><b>GFSK</b></p> <p><b>2402MHz</b></p> <p>Center Freq 2.40200000 GHz          Ref Offset 11.5 dB          Ref 21.50 dBm</p> <p>Center 2.402 GHz          Res BW 100 kHz          Span 3 MHz          Sweep 1 ms</p> <p>Occupied Bandwidth <b>1.0720 MHz</b>          Total Power 11.5 dBm          Transmit Freq Error 25.589 kHz          x dB Bandwidth 723.5 kHz</p> <p>OBW Power 99.00 %          x dB -6.00 dB</p>	<p><b>2480MHz</b></p> <p>Center Freq 2.48000000 GHz          Ref Offset 11.5 dB          Ref 21.50 dBm</p> <p>Center 2.48 GHz          Res BW 100 kHz          Span 3 MHz          Sweep 1 ms</p> <p>Occupied Bandwidth <b>1.0734 MHz</b>          Total Power 12.0 dBm          Transmit Freq Error 30.111 kHz          x dB Bandwidth 726.6 kHz</p> <p>OBW Power 99.00 %          x dB -6.00 dB</p>
<p><b>2440MHz</b></p> <p>Center Freq 2.44000000 GHz          Ref Offset 11.5 dB          Ref 21.50 dBm</p> <p>Center 2.44 GHz          Res BW 100 kHz          Span 3 MHz          Sweep 1 ms</p> <p>Occupied Bandwidth <b>1.0734 MHz</b>          Total Power 11.5 dBm          Transmit Freq Error 27.787 kHz          x dB Bandwidth 724.4 kHz</p> <p>OBW Power 99.00 %          x dB -6.00 dB</p>	Empty space for the second column in the 2440MHz row

## 6. MAXIMUM PEAK OUTPUT POWER TEST

### 6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.29,14	1Year
2.	Power meter	Anritsu	ML2487A	6K00002472	Aug.20,14	1Year
3.	Power sensor	Anritsu	MA2491A	0033005	Aug.20,14	1Year
4.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.28,15	1 Year
5.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.26,14	1 Year

### 6.2. Limit

For systems using digital modulation in the 2400—2483.5MHz, The Peak out put Power shall not exceed 1W(30dBm).

### 6.3. Test Procedure

Connected the EUT's antenna port to Power Sensor, and use power meter to test peak output power.

### 6.4. Test Results

EUT : Tablet PC			
M/N:PT301			
Test date: 2015-07-17		Pressure: 101.1±1.0 kpa	Humidity: 51.6±3.0%
Tested by: Alice-yang		Test site: RF site	Temperature:23.9±0.6 °C
Test Mode	Frequency (MHz)	Peak output Power ( dBm )	Limit (dBm)
GFSK	2402	5.278	30
	2440	4.765	30
	2480	5.555	30
Conclusion: PASS			

## 7. BAND EDGE COMPLIANCE TEST

### 7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Amp	HP	8449B	3008A02495	Apr.28,15	1 Year
2.	Horn Antenna	ETS	3115	9510-4877	Sep.20,14	1 Year
3.	HF Cable	Hubersuhner	Sucoflex104	274094/4	Apr.28,15	1 Year

### 7.2. Limit

All the lower and upper band-edges emissions appearing within 2310MHz to 2390MHz and 2483.5MHz to 2500MHz restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400MHz to 2483.5MHz shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

### 7.3. Test Produce

For upper band emissions that are up to two bandwidths(2MHz) away (2483.5MHz to 2485.5MHz) from the band-edge use below produce:

1. Choose a spectrum analyzer span that encompasses both the peak of the fundamental emission and the band-edge emission under investigation. Set the analyzer RBW to 100KHz and with a video bandwidth 300KHz. Record the peak levels of the fundamental emission and the relevant band-edge emission, Observe the stored trace and measure the amplitude delta between the peak of the fundamental and the peak of the band-edge emission. This is not a field strength measurement, it is only a relative measurement to determine the amount by which the emission drops at the band edge relative to the highest fundamental emission level.
2. Subtract the delta measured in step (1) from the maximum field strengths measured in clause 4 .The resultant field strengths are then used to determine band-edge compliance as required by Section 15.205

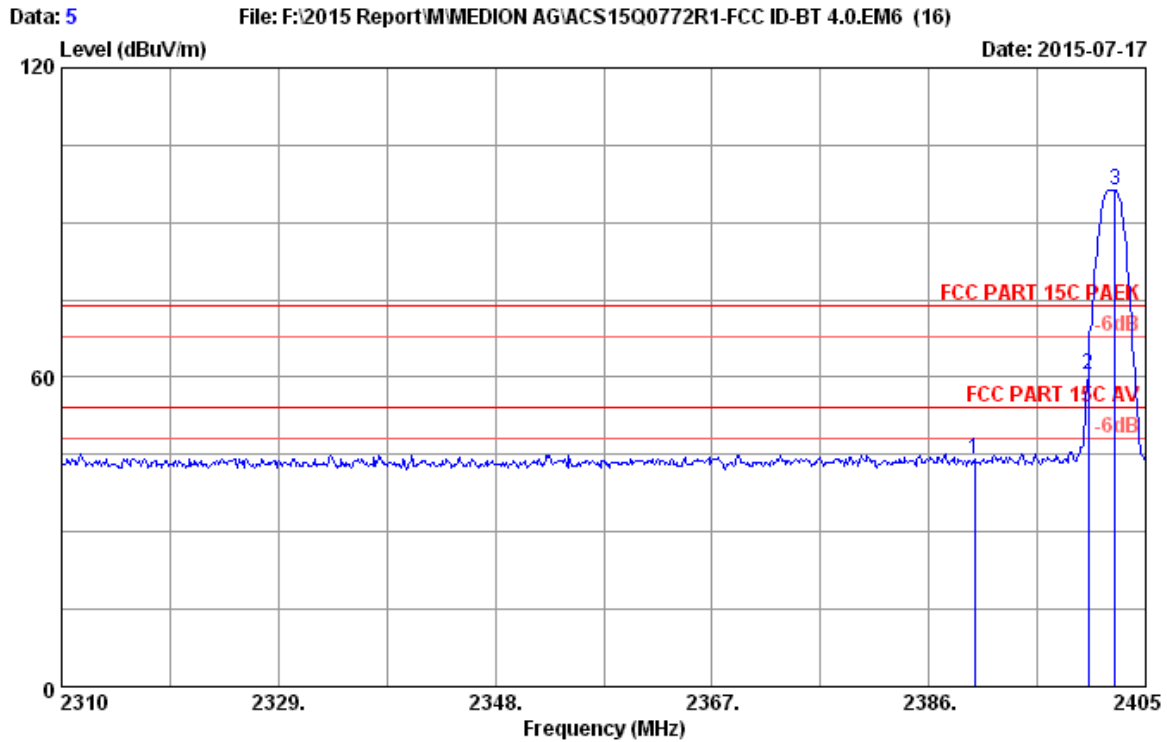
For emissions above two bandwidths away from the band-edge use below produce:

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upperband-edges of the emission:
  - (a) PEAK: RBW=1MHz ;VBW=3MHz, PK detector, Sweep=AUTO
  - (b) This is pulse Modulation device a duty cycle factor was used to calculate average level based measured peak level.

### 7.4. Test Results

Pass (The testing data was attached in the next pages.)

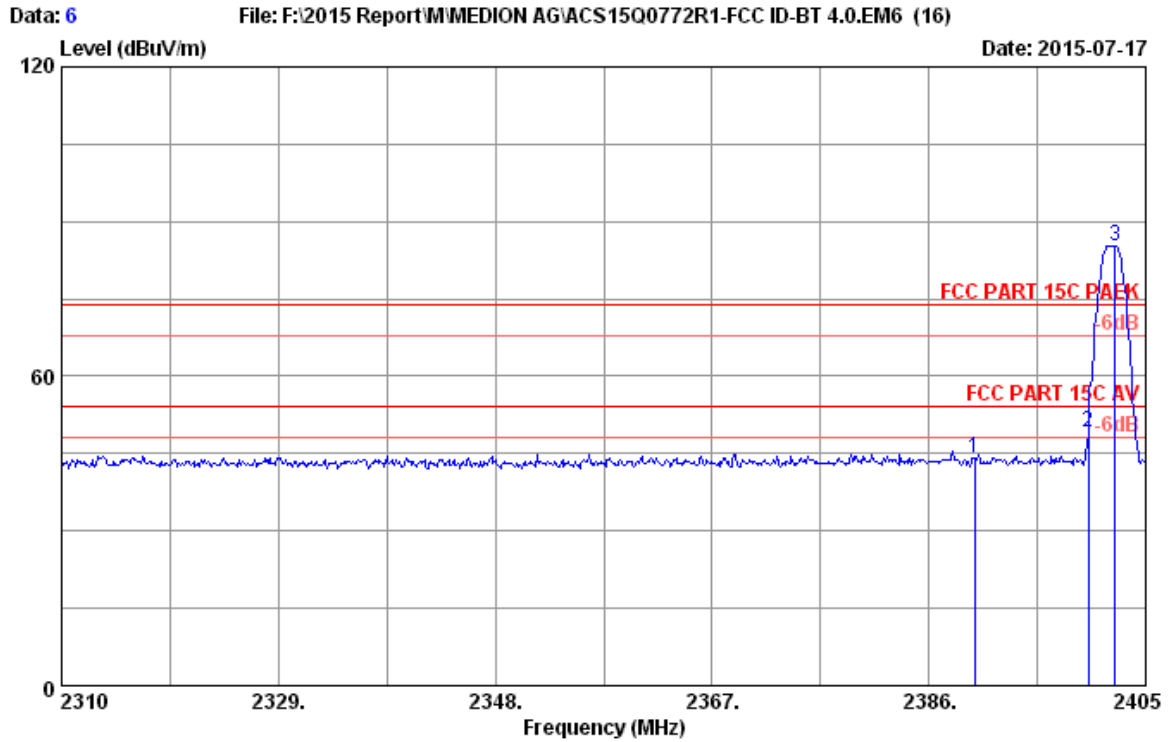
Note: If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.



Site no. : 3m Chamber Data no. : 5  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2402MHz Tx Mode  
 : PT301  
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.24	7.28	36.62	45.15	44.05	74.00	29.95	Peak
2	2400.000	28.25	7.32	36.62	61.61	60.56	74.00	13.44	Peak
3	2402.340	28.26	7.32	36.62	97.44	96.40	74.00	-22.40	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.

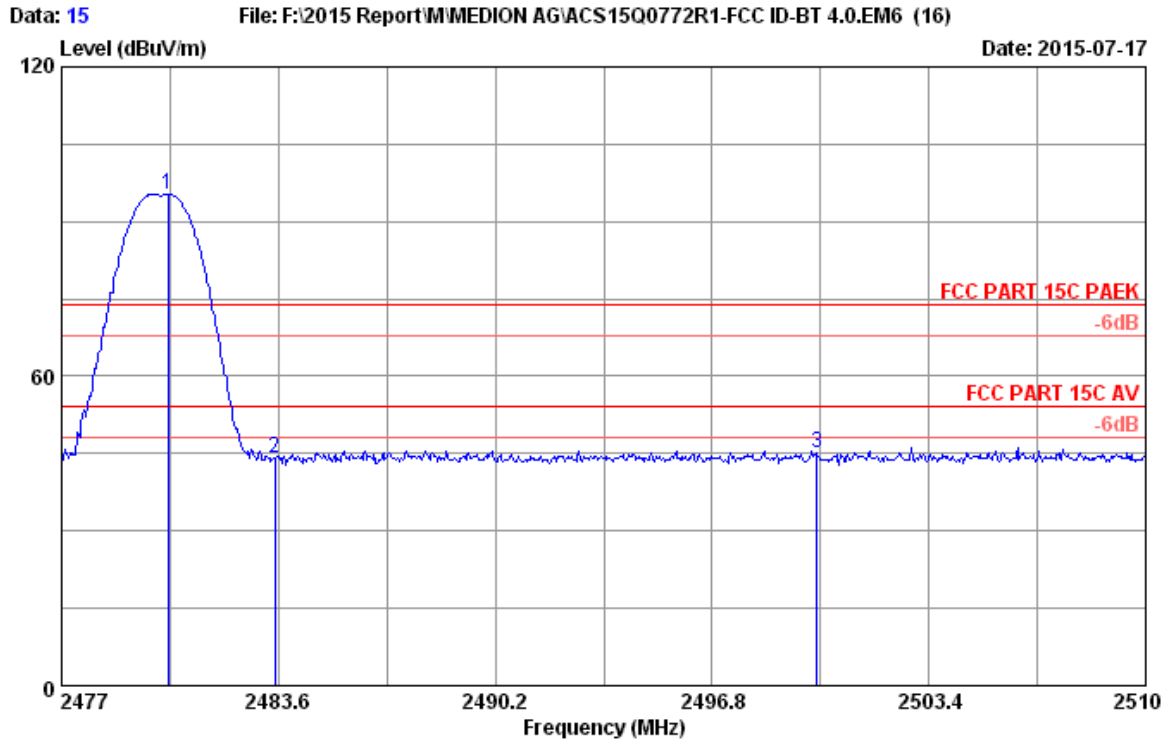


Site no. : 3m Chamber Data no. : 6  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2402MHz Tx Mode  
 : PT301  
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2390.000	28.24	7.28	36.62	45.14	44.04	74.00	29.96	Peak
2	2400.000	28.25	7.32	36.62	50.14	49.09	74.00	24.91	Peak
3	2402.340	28.26	7.32	36.62	86.44	85.40	74.00	-11.40	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.

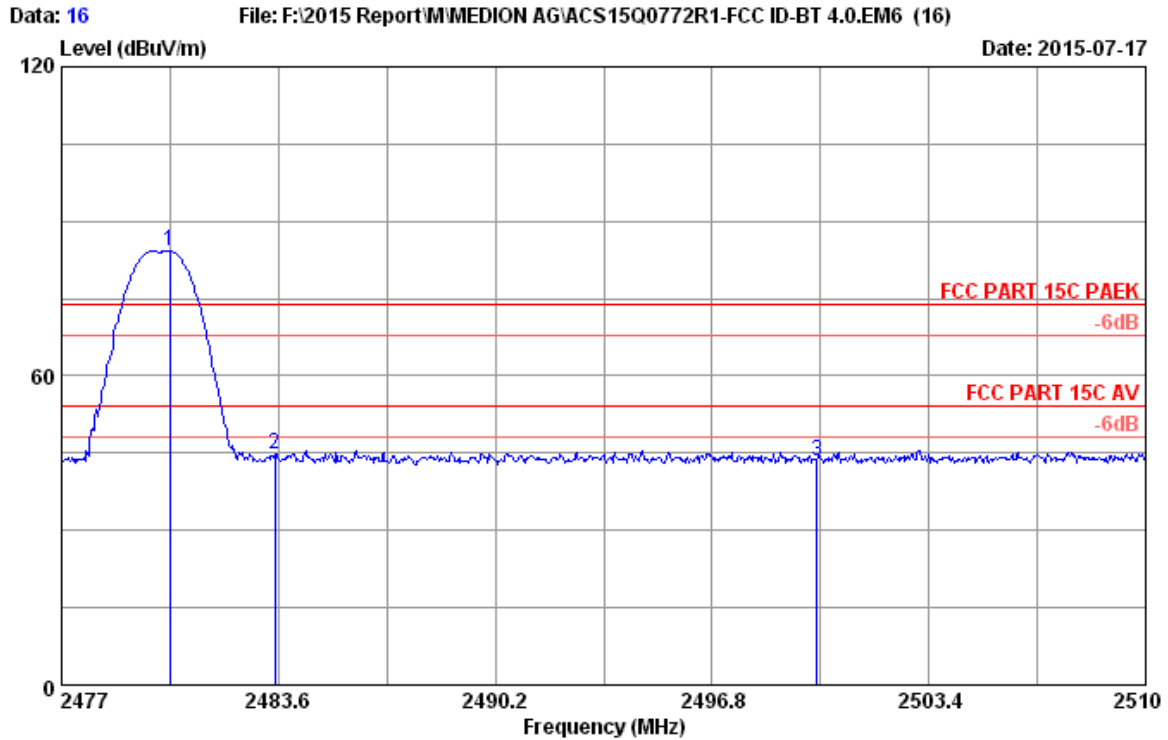




Site no. : 3m Chamber Data no. : 15  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2480MHz Tx Mode  
 : PT301  
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.234	28.37	7.47	36.59	96.02	95.27	74.00	-21.27	Peak
2	2483.500	28.38	7.51	36.59	44.98	44.28	74.00	29.72	Peak
3	2500.000	28.40	7.51	36.58	45.70	45.03	74.00	28.97	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.



Site no. : 3m Chamber Data no. : 16  
 Dis. / Ant. : 3m 2014 3115 9607-4877 Ant. pol. : VERTICAL  
 Limit : FCC PART 15C PAEK  
 Env. / Ins. : 23°C/54%  
 Engineer : Alice\_yang  
 EUT : Tablet PC  
 Power rating : DC 5V From Adapter Input AC 120V/60Hz  
 Test Mode : GFSK 2480MHz Tx Mode  
 : PT301  
 :

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.300	28.37	7.47	36.59	85.01	84.26	74.00	-10.26	Peak
2	2483.500	28.38	7.51	36.59	45.43	44.73	74.00	29.27	Peak
3	2500.000	28.40	7.51	36.58	44.22	43.55	74.00	30.45	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor  
 2. The emission levels that are 20dB below the official limit are not reported.

## 8. POWER SPECTRAL DENSITY TEST

### 8.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
2.	Spectrum	Agilent	N9030A	MY51380221	Oct.29,14	1 Year
4.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.28,15	1 Year
5	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.26,14	1 Year

### 8.2. Limit

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band during any time interval of continuous transmission.

### 8.3. Test Procedure

1. Connected the EUT's antenna port to spectrum analyzer device by 20dB attenuator.
2. Set the test frequency as center frequency, Set RBW=3KHz,VBW=10KHz,Span large enough capture the entire frequency, Read out maximum peak level frequency
3. Set the span to 1.5 times of the DTS Bandwidth Detector= Peak; Sweep time= Auto Couple; Trace Mode= Max hold.
4. Allow trace to fully stabilize use the peak marker function to determine the maximum amplitude level within the RBW.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude

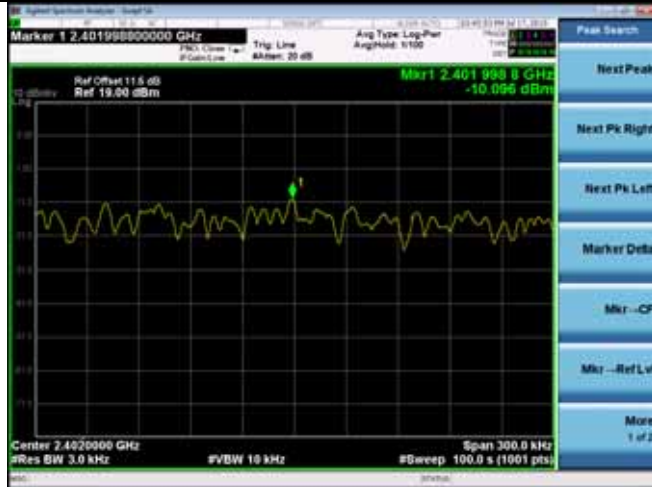
### 8.4. Test Results

EUT : Tablet PC		
M/N:PT301		
Test date: 2015-07-17	Pressure: 101.3±1.0 kpa	Humidity: 51.2±3.0%
Tested by: Alice-yang	Test site: RF site	Temperature:23.2±0.6 °C

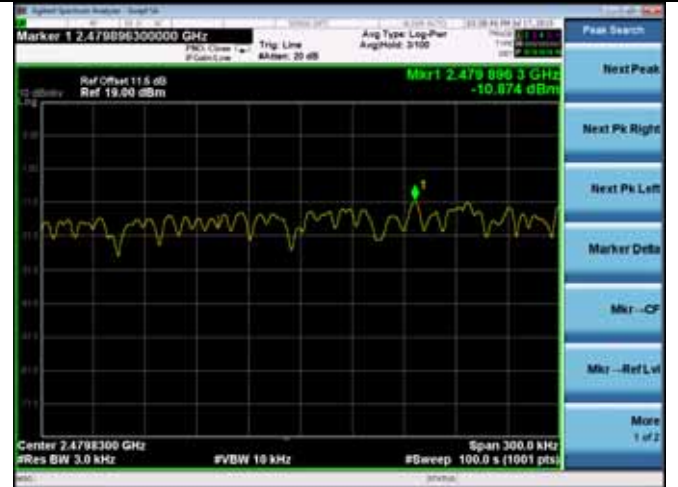
Test Mode	Frequency (MHz)	Power density ( dBm/3KHz )	Limit (dBm/3KHz)
GFSK	2402	-10.096	8
	2440	-9.887	8
	2480	-10.874	8
Conclusion : PASS			

**GFSK**

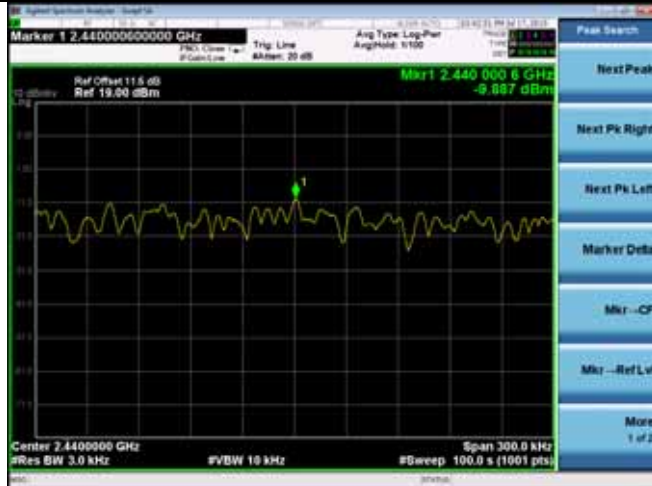
2402MHz



2480MHz



2440MHz



## **9. ANTENNA REQUIREMENT**

### **9.1. STANDARD APPLICABLE**

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

### **9.2. ANTENNA CONNECTED CONSTRUCTION**

The antennas used for this product are FPC antenna that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 2.64dBi.

## 10. DEVIATION TO TEST SPECIFICATIONS

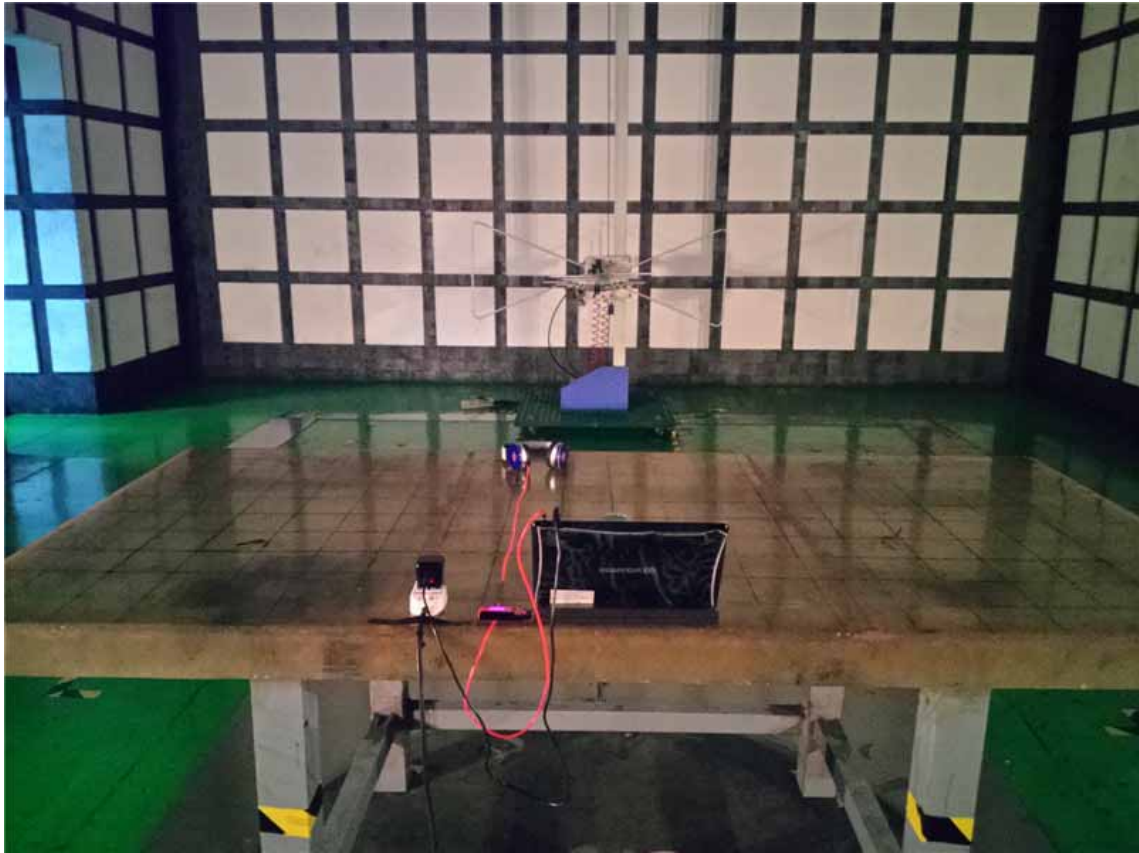
[NONE]

# 11. HOTOGRAPH OF TEST

## 11.1.Photos of Power Line Conducted Emission Test



11.2.Photos of Radiated Emission Test  
30-1000MHz





Above 1000MHz



## 12. PHOTOGRAPH OF EUT

**Figure 1**  
General Appearance of the EUT



**Figure 2**  
General Appearance of the EUT



**Figure 3**  
General Appearance of the EUT



**Figure 4**  
General Appearance of the EUT



**Figure 5**  
General Appearance of the EUT



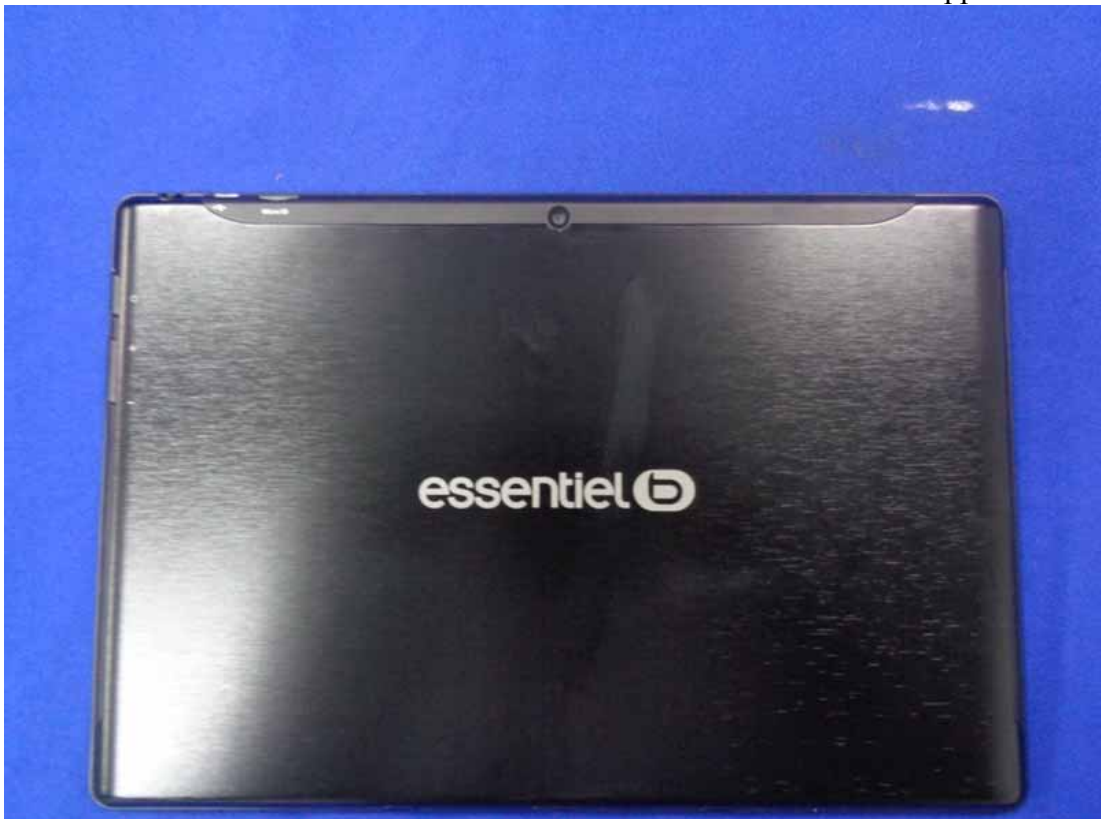
**Figure 6**  
General Appearance of the EUT



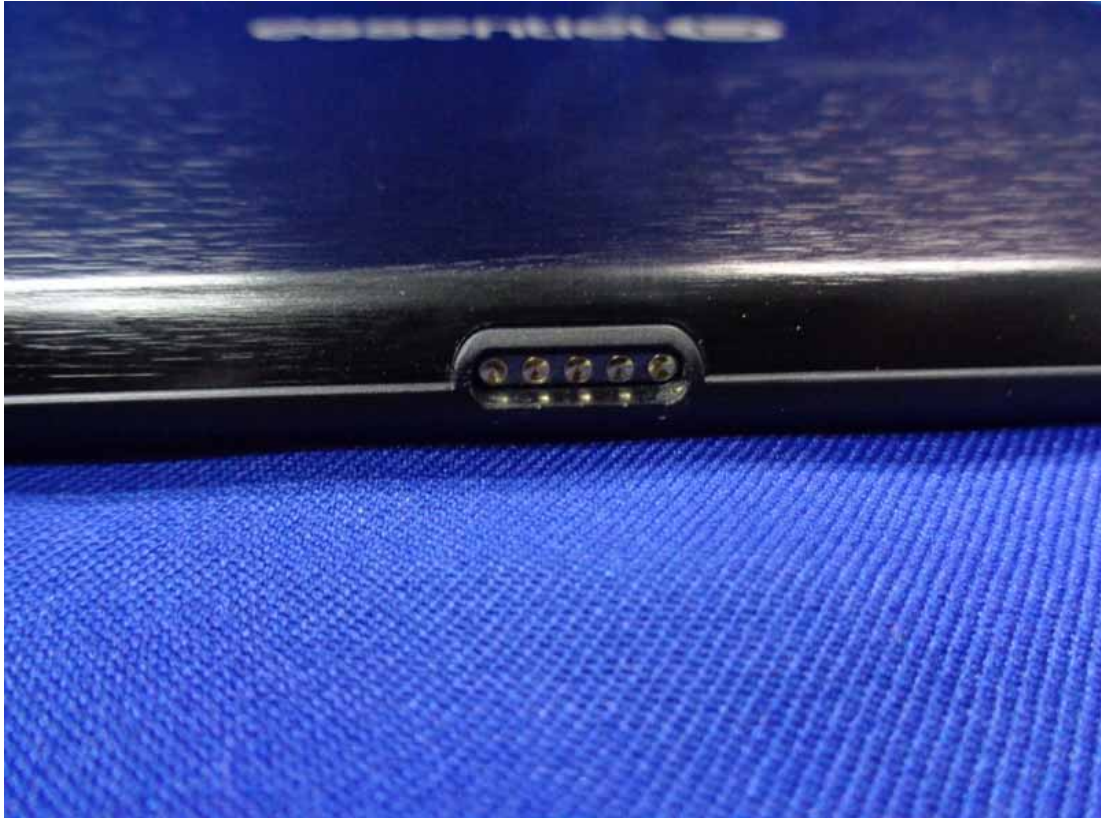
**Figure 7**  
General Appearance of the EUT



**Figure 8**  
General Appearance of the EUT



**Figure 9**  
General Appearance of the EUT



**Figure 10**  
General Appearance of the EUT



**Figure 11**  
General Appearance of the EUT



**Figure 12**  
General Appearance of the EUT



**Figure 13**  
General Appearance of the EUT



**Figure 14**  
General Appearance of the EUT

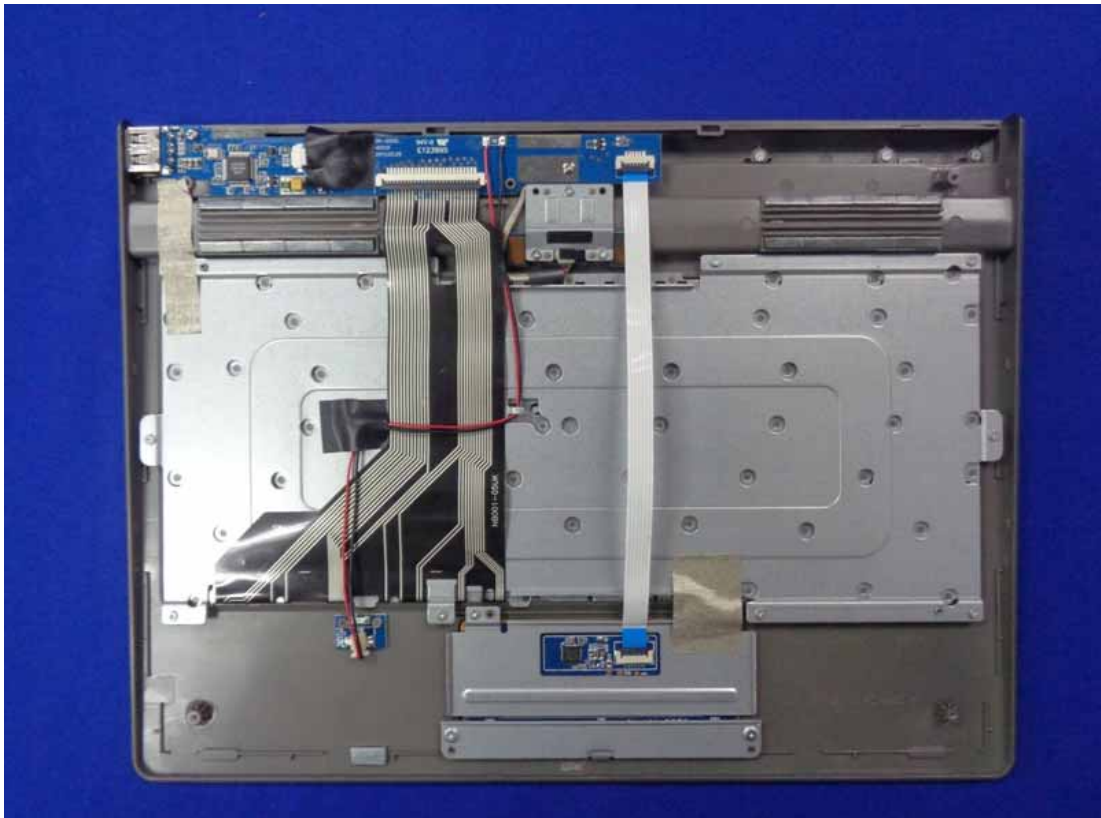




**Figure 15**  
Inside of the EUT



**Figure 16**  
Inside of the EUT



**Figure 17**  
Inside of the EUT



**Figure 18**  
Inside of the EUT



**Figure 19**  
EUT of the Panel



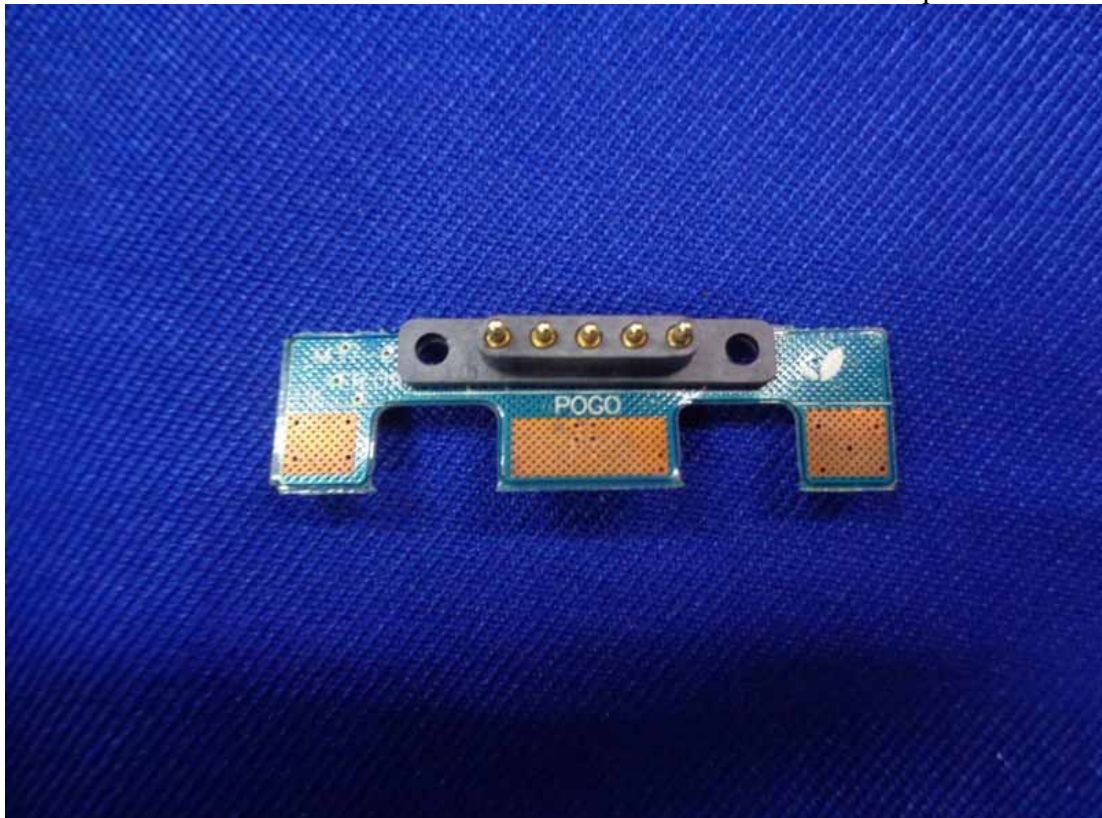
**Figure 20**  
EUT of the Panel



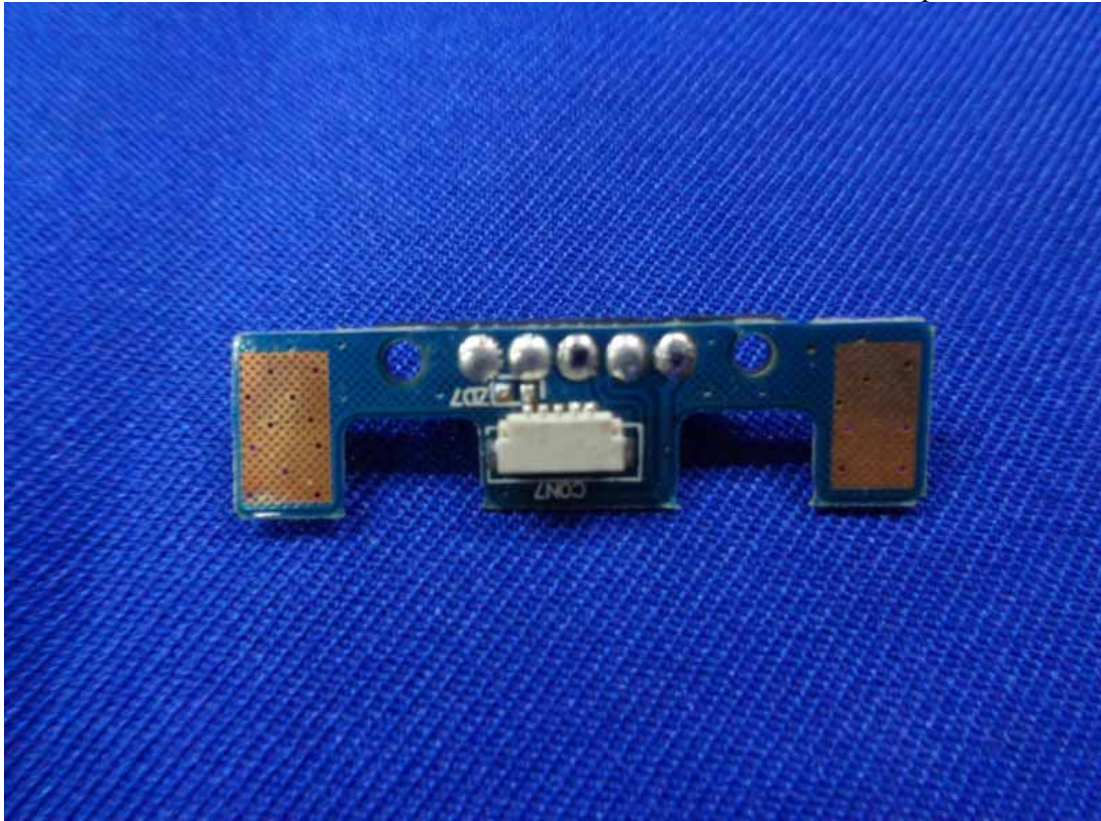
**Figure 21**  
Panel of the Label



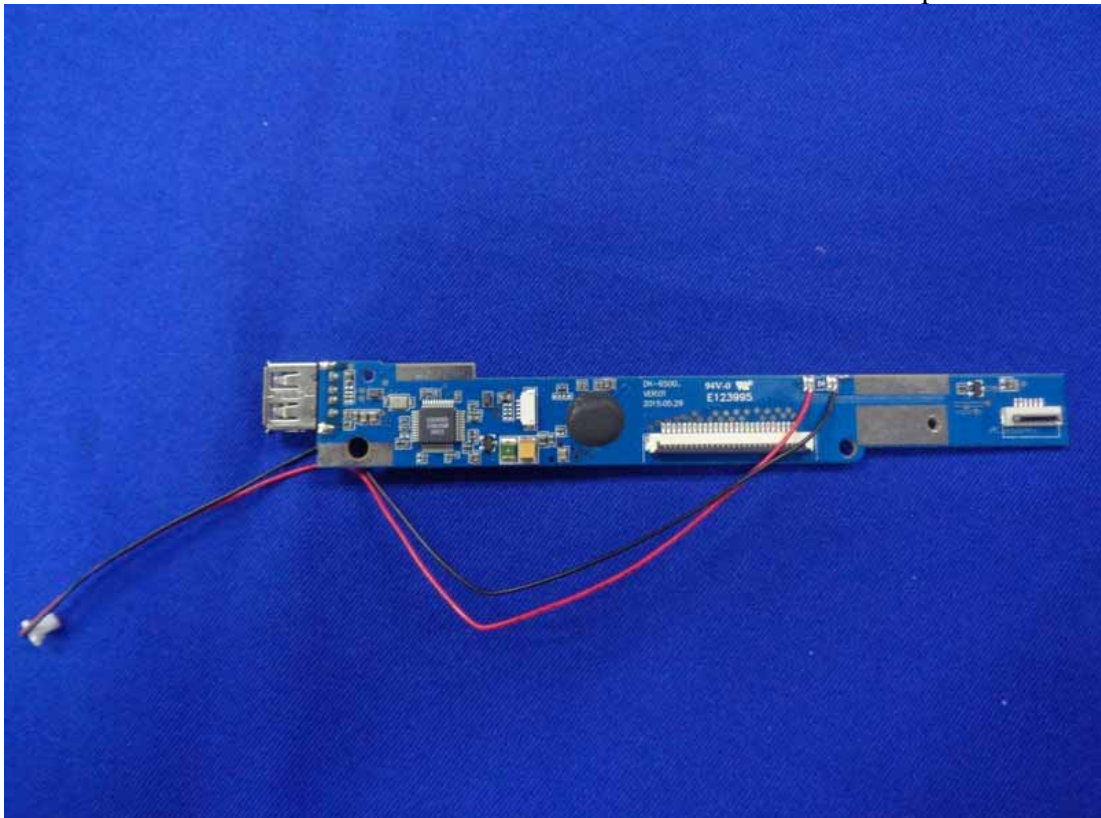
**Figure 22**  
Component side of the PCB



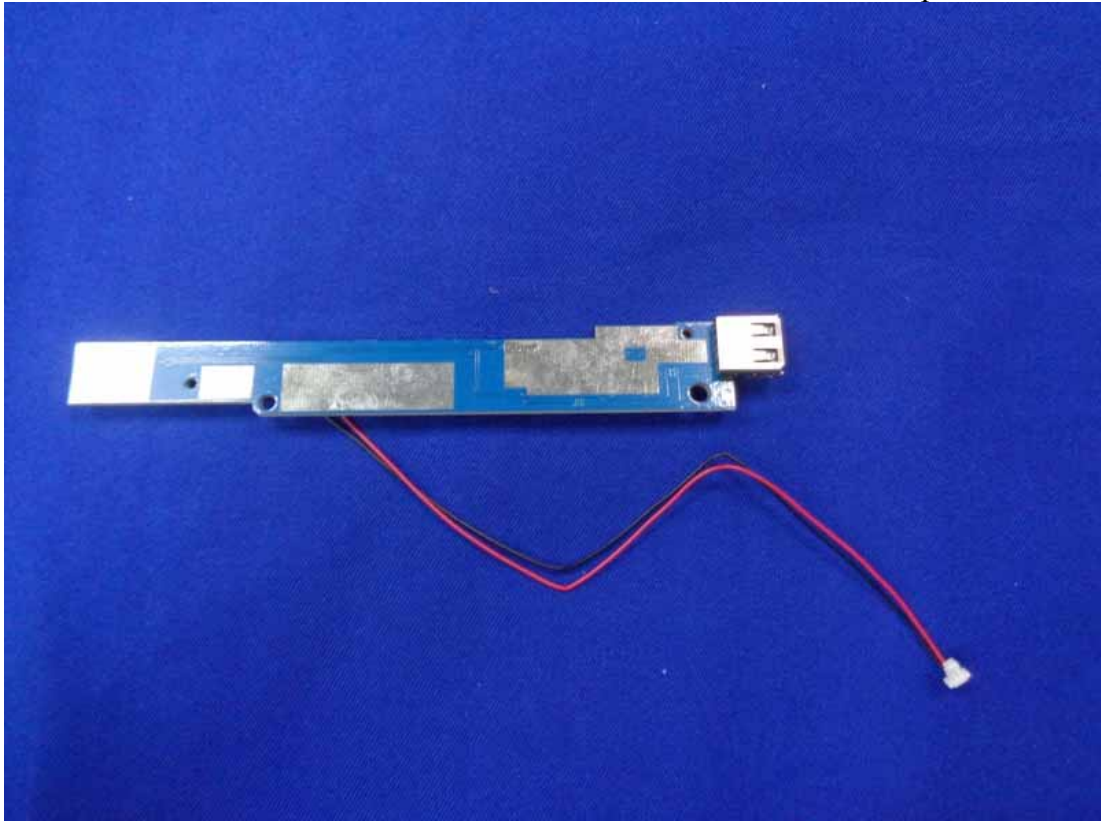
**Figure 23**  
Component side of the PCB



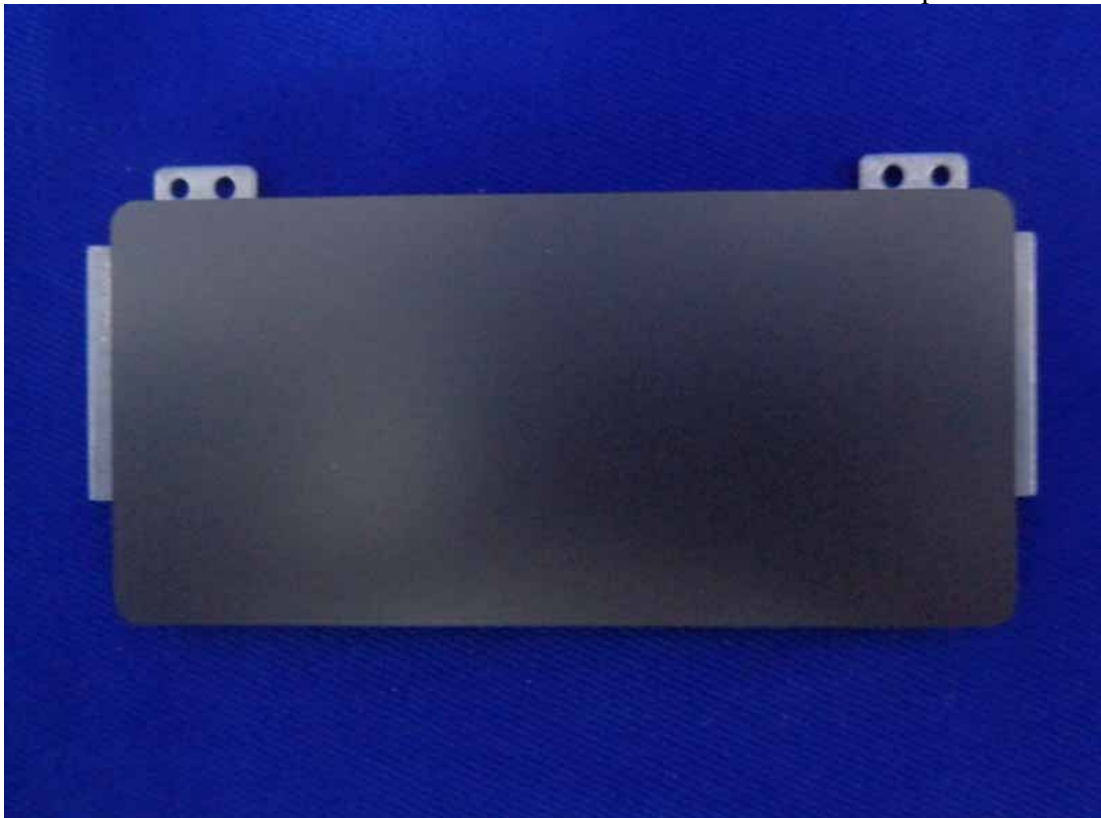
**Figure 24**  
Component side of the PCB



**Figure 25**  
Component side of the PCB



**Figure 26**  
Component side of the PCB



**Figure 27**  
Component side of the PCB



**Figure 28**  
Power Adapter #1



**Figure 29**  
Battery

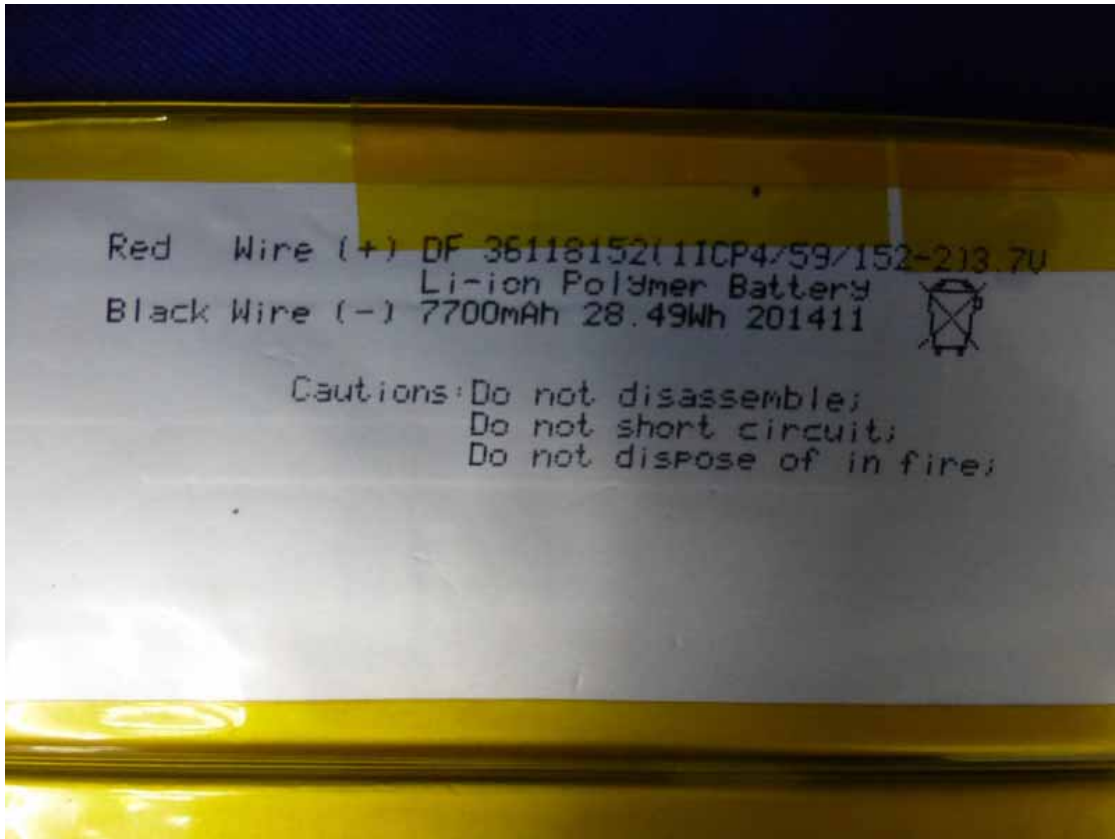


**Figure 30**  
Battery

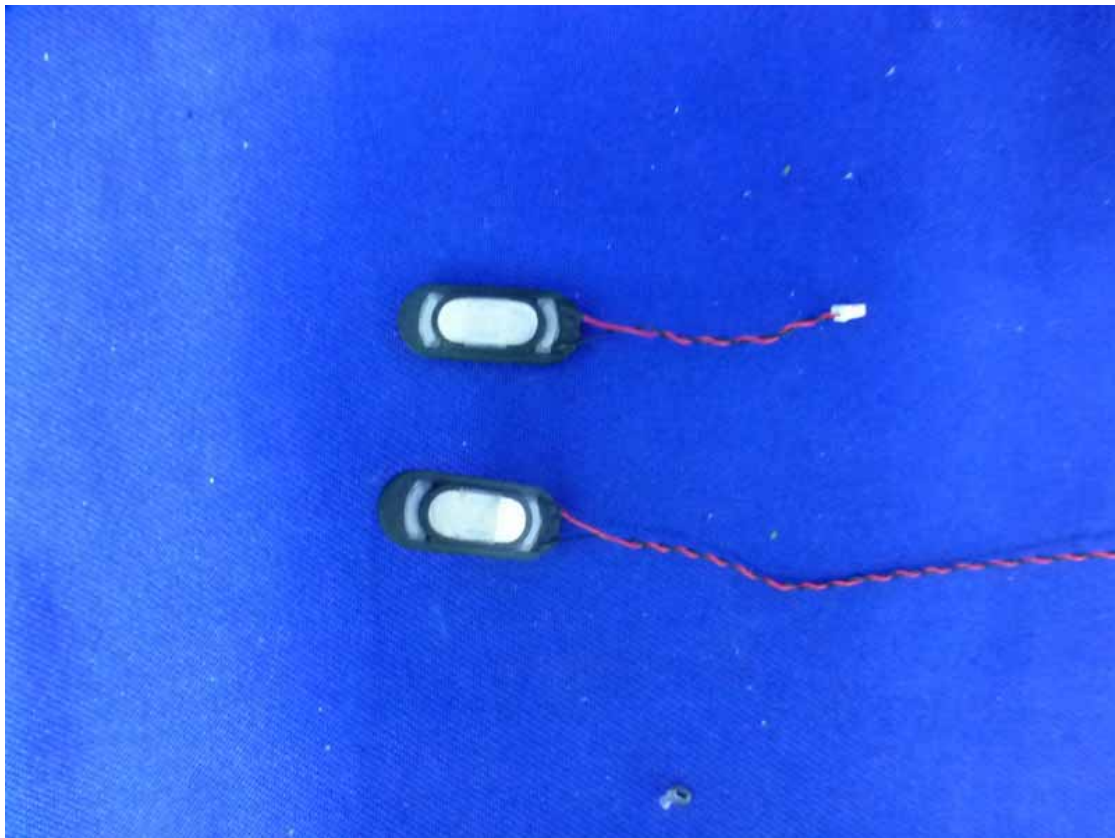




**Figure 31**  
Battery



**Figure 32**  
Speaker



**Figure 33**  
Power Adapter



**Figure 34**  
Power Adapter



**Figure 35**  
Power Adapter



**Figure 36**  
OTG Cable



**Figure 37**  
USB Cable

