



# FCC PART 15B

## TEST REPORT

For

### Action Electronics Co., Ltd.

No. 198, Chung Yuan Road Chung, Chung Li, Taiwan

**FCC ID: AT19R3MID30801**

<b>Report Type:</b> Original Report	<b>Product Type:</b> 8" Tablet PC
<b>Test Engineer:</b> Leon Chen	<i>Leon Chen</i>
<b>Report Number:</b> R2DG130821007-00C	
<b>Report Date:</b> 2013-10-10	
<b>Reviewed By:</b> RF Leader	<i>Ivan Cao</i>
<b>Test Laboratory:</b> Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 <a href="http://www.baclcorp.com.cn">www.baclcorp.com.cn</a>	

**Note:** This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. This report **must not** be used by the customer to claim product certification, approval, or endorsement by NVLAP\*, or any agency of the Federal Government.  
\* This report may contain data that are not covered by the NVLAP accreditation and shall be marked with an asterisk "★" (Rev.2).  
This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

**TABLE OF CONTENTS**

**GENERAL INFORMATION.....3**  
    PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT).....3  
    OBJECTIVE .....3  
    RELATED SUBMITTAL(S)/GRANT(S).....3  
    TEST FACILITY .....4

**SYSTEM TEST CONFIGURATION.....5**  
    JUSTIFICATION .....5  
    EUT EXERCISE SOFTWARE .....5  
    EQUIPMENT MODIFICATIONS .....5  
    LOCAL SUPPORT EQUIPMENT LIST AND DETAILS .....5  
    EXTERNAL I/O CABLE.....5  
    BLOCK DIAGRAM OF TEST SETUP .....6

**SUMMARY OF TEST RESULTS .....7**

**FCC §15.107 – AC LINE CONDUCTED EMISSIONS.....8**  
    MEASUREMENT UNCERTAINTY .....8  
    EUT SETUP .....8  
    EMI TEST RECEIVER SETUP.....9  
    TEST PROCEDURE .....9  
    CORRECTED AMPLITUDE & MARGIN CALCULATION .....9  
    TEST EQUIPMENT LIST AND DETAILS.....10  
    TEST RESULTS SUMMARY .....10  
    TEST DATA .....10

**FCC §15.109 - RADIATED EMISSIONS .....15**  
    MEASUREMENT UNCERTAINTY .....15  
    EUT SETUP .....15  
    EMI TEST RECEIVER SETUP.....16  
    TEST PROCEDURE .....16  
    CORRECTED AMPLITUDE & MARGIN CALCULATION .....17  
    TEST EQUIPMENT LIST AND DETAILS.....17  
    TEST RESULTS SUMMARY .....17  
    TEST DATA .....17

**DECLARATION OF SIMILARITY .....30**

## GENERAL INFORMATION

---

### Product Description for Equipment under Test (EUT)

The Action Electronics Co Ltd.'s product, model number: MID30801, MID30802 (FCC ID: *AT19R3MID30801*) (the "EUT") in this report is an 8" Tablet PC, Which was measured approximately: MID30801: 21cm (L) x 15.5 cm (W) x 1.5 cm (T), MID30802: 21cm (L) x 15.5 cm (W) x 2.0 cm (T), rated input voltage: For MID30801: DC 3.7 V from lithium battery or DC 5V from adapter; for MID30802: DC 3.7 V from lithium battery or DC 5V from adapter or DC 12V from Car Charger.

#### Adapter information:

Model: ASSA1B-050200

Input: 100-240V AC, 50/60Hz, 0.45A

Output: 5.0V DC, 2000mA

*Note: The series products have four models: MID30801, T852 MID, MID30802 and T852 SBK. The differences between them are the model name and with or without docking part, model MID30802 and T852 SBK with docking part, model MID30801 and T852 MID without docking part. Compared with MID30801 and T852 MID, MID30802 and T852 SBK have worse electromagnetic compatibility performance. we selected MID30801 for fully testing, the details was explained in the attached declaration letter.*

*\* All measurement and test data in this report was gathered from production sample serial number: 130821007-1 for model MID30801, 130821007-2 for model MID30802 (Assigned by BACL.Dongguan). The EUT was received on 2013-08-23.*

### Objective

This report is prepared on behalf of *Action Electronics Co Ltd.* in accordance with Part 2, Subpart J, Part 15, Subparts A and B of the Federal Communication Commissions rules.

The objective of the manufacturer is to determine compliance with FCC Part 15B, Class B.

### Related Submittal(s)/Grant(s)

FCC Part 15C DTS submissions with FCC ID: *AT19R3MID30801* for Wifi.

FCC Part 15C DTS submissions with FCC ID: *AT19R3MID30801* for Bluetooth LE mode.

FCC Part 15C DSS submissions with FCC ID: *AT19R3MID30801* for Bluetooth BDR, EDR mode.

## Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 02, 2012. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2003.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Laboratories Corp. (Dongguan) is an ISO/IEC 17025 accredited laboratory, and is accredited by National Voluntary Laboratory Accredited Program (Lab Code 500069-0).



The current scope of accreditations can be found at <http://ts.nist.gov/standards/scopes/5000690.htm>

## SYSTEM TEST CONFIGURATION

### Justification

The system was configured for testing in a typical fashion (as normally used by a typical user). The highest operating frequency is 1200 MHz.

Test mode 1: USB Downloading

Test mode 2: HDMI Playing

### EUT Exercise Software

‘WINTHRAX.exe’ was used in the test

### Equipment Modifications

No equipment modification was used.

### Local Support Equipment List and Details

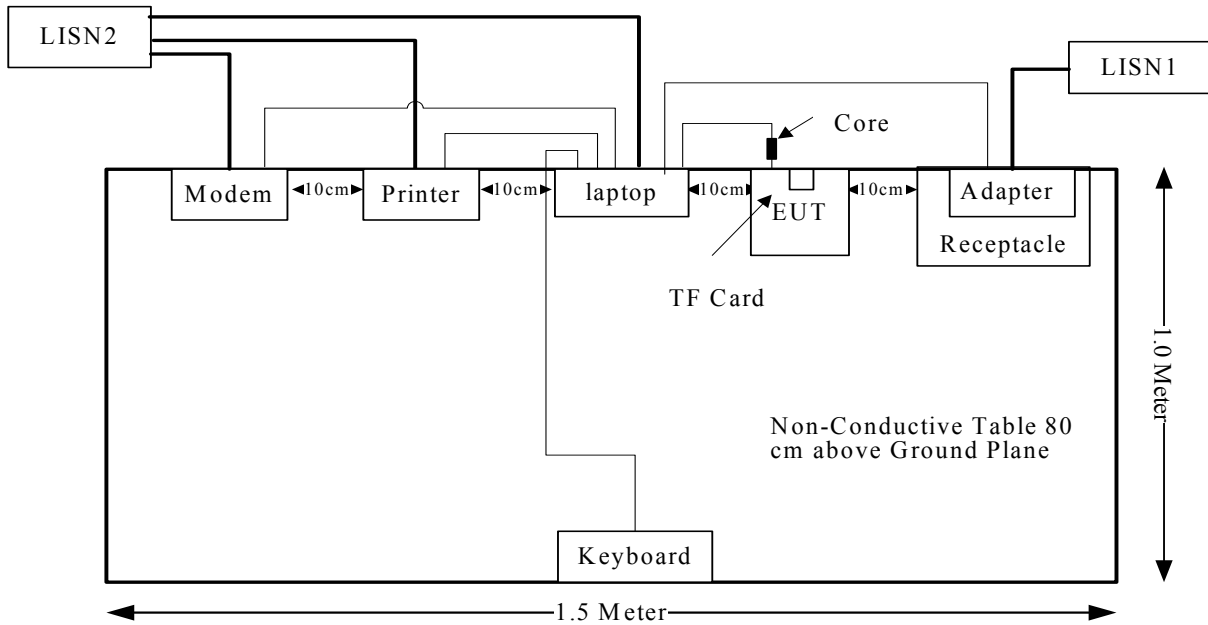
Manufacturer	Description	Model	Serial Number
HP	Printer	C3941A	JPTVOB2337
SAST	Modem	AEM-2100	0293
DELL	Keyboard	L100	CNORH656658907BL05DC
DELL	Laptop	PP11L	N/A
DELL	LCD Monitor	U3011t	CN-OPH5NY-74445-16T-290L
SAMSUNG	TF Card	N/A	N/A

### External I/O Cable

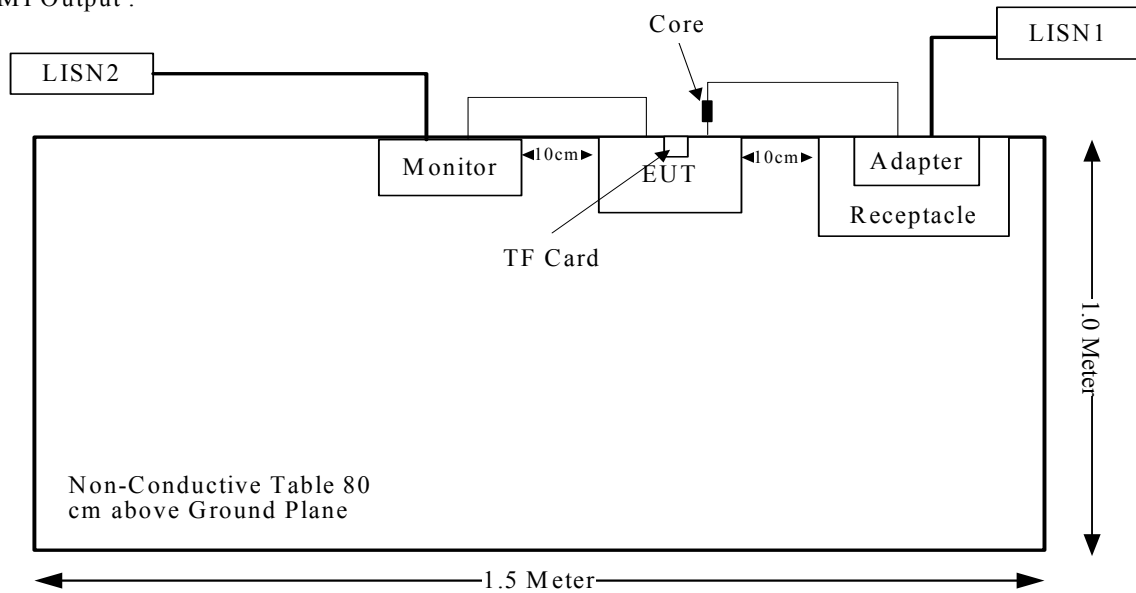
Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Printer Cable	Yes	No	1.2	Laptop	Printer
Serial Cable	Yes	No	1.2	Laptop	Modem
Keyboard Cable	Yes	No	1.5	Laptop	Keyboard
USB Cable	Yes	Yes	1.0	Laptop/Adapter	EUT
HDMI Cable	Yes	No	1.8	Monitor	EUT

### Block Diagram of Test Setup

USB Downloading:



HDMI Output :



---

## **SUMMARY OF TEST RESULTS**

---

<b>FCC Rules</b>	<b>Description of Test</b>	<b>Results</b>
§15.107	AC Line Conducted Emissions	Compliance
§15.109	Radiated Emissions	Compliance

## FCC §15.107 – AC LINE CONDUCTED EMISSIONS

### Measurement Uncertainty

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If  $U_{lab}$  is less than or equal to  $U_{cispr}$  of Table 1, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If  $U_{lab}$  is greater than  $U_{cispr}$  of Table 1, then:

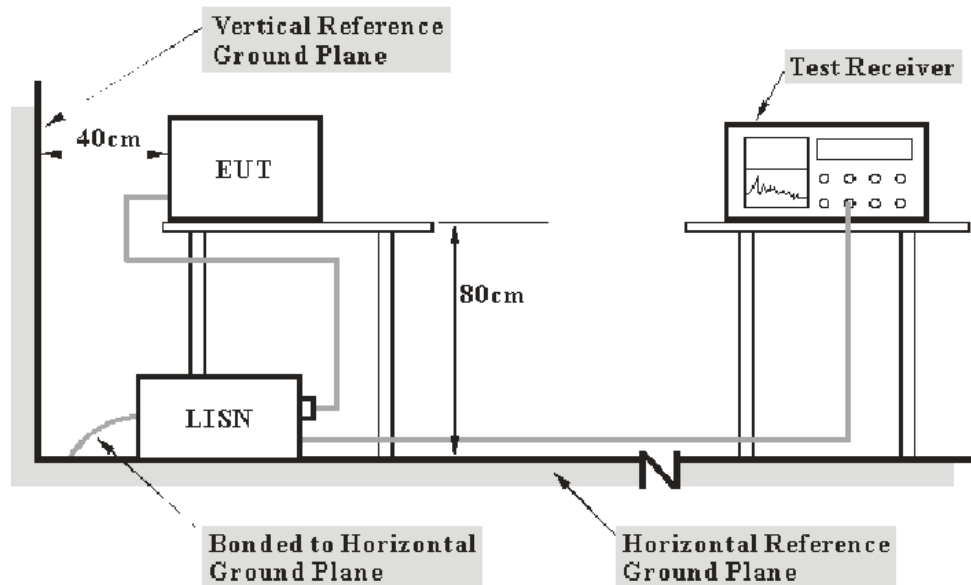
- compliance is deemed to occur if no measured disturbance level, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit.

Based on CISPR 16-4-2: 2011, measurement uncertainty of conducted disturbance at mains port using AMN at Bay Area Compliance Laboratories Corp. (Dongguan) is 3.46 dB (150 kHz to 30 MHz).

Table 1 – Values of  $U_{cispr}$

Measurement	$U_{cispr}$
Conducted disturbance at mains port using AMN (150 kHz to 30 MHz)	3.4 dB

### EUT Setup



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



The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.107 Class B limits.

The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/60 Hz power source

### EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

### Test Procedure

During the conducted emission test, the adapter/Laptop was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

### Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$$V_C = V_R + A_C + VDF$$

$$C_f = A_C + VDF$$

Herein,

$V_C$  (cord. Reading): corrected voltage amplitude

$V_R$ : reading voltage amplitude

$A_C$ : attenuation caused by cable loss

VDF: voltage division factor of AMN

$C_f$ : Correction Factor

The “**Margin**” column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

### Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI TEST RECIEVER	ESCS 30	830245/006	2013-1-10	2014-1-9
R&S	L.I.S.N	ESH3-Z5	843331/015	2012-9-17	2013-9-16
R&S	L.I.S.N	ESH3-Z5	100113	2012-11-29	2013-11-28
BACL	Test Software	BACL-EMC	V1.0-2010	N/A	N/A

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to National Primary Standards and International System of Units (SI).

### Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.107, with the worst margin reading of:

**11.99 dB at 0.660 MHz** in the **Neutral** conducted mode of USB Downloading mode.

### Test Data

#### Environmental Conditions

<b>Temperature:</b>	26.7~27.8 °C
<b>Relative Humidity:</b>	53~64 %
<b>ATM Pressure:</b>	99.4~100.7 kPa

*The testing was performed by Leon Chen from 2013-08-26 to 2013-09-11.*

Test mode: USB Downloading

120 V, 60 Hz, Line:



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
0.160	45.11	0.46	65.46	20.35	QP
0.160	28.79	0.46	55.46	26.67	AV
0.280	33.97	0.36	60.82	26.85	QP
0.280	32.88	0.36	50.82	17.94	AV
0.450	34.65	0.32	56.88	22.23	QP
0.450	18.56	0.32	46.88	28.32	AV
0.660	32.92	0.31	56.00	23.08	QP
0.660	27.49	0.31	46.00	18.51	AV
1.530	34.17	0.34	56.00	21.83	QP
1.530	27.79	0.34	46.00	18.21	AV
3.520	30.58	0.41	56.00	25.42	QP
3.510	25.81	0.41	46.00	20.19	AV

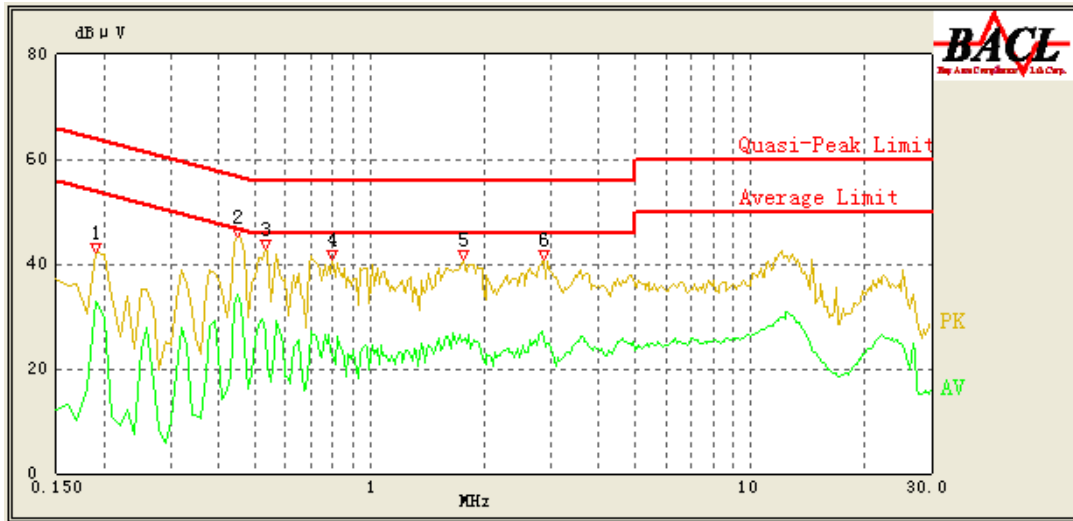
**120 V, 60 Hz, Neutral:**



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
0.190	41.75	0.25	64.04	22.29	QP
0.190	36.18	0.25	54.04	17.86	AV
0.450	35.33	0.22	56.88	21.55	QP
0.450	20.46	0.22	46.88	26.42	AV
0.660	37.92	0.22	56.00	18.08	QP
0.660	34.01	0.22	46.00	11.99	AV
0.950	36.54	0.23	56.00	19.46	QP
0.950	31.81	0.23	46.00	14.19	AV
1.240	35.68	0.24	56.00	20.32	QP
1.240	29.51	0.24	46.00	16.49	AV
2.250	34.10	0.28	56.00	21.90	QP
2.260	26.68	0.28	46.00	19.32	AV

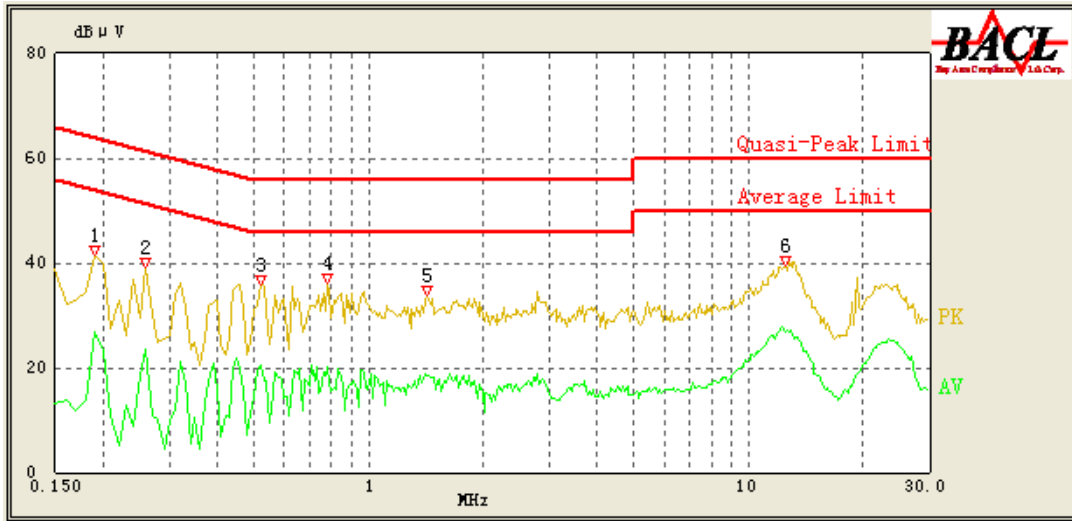
Test mode: HDMI Playing

120 V, 60 Hz, Line:



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
0.190	39.88	0.44	64.04	24.16	QP
0.190	32.76	0.44	54.04	21.28	AV
0.450	41.27	0.32	56.88	15.61	QP
0.450	34.25	0.32	46.88	12.63	AV
0.530	37.32	0.31	56.00	18.68	QP
0.530	27.26	0.31	46.00	18.74	AV
0.800	33.93	0.32	56.00	22.07	QP
0.800	22.99	0.32	46.00	23.01	AV
1.760	35.34	0.35	56.00	20.66	QP
1.750	25.17	0.35	46.00	20.83	AV
2.870	34.23	0.39	56.00	21.77	QP
2.840	27.23	0.39	46.00	18.77	AV

**120 V, 60 Hz, Neutral:**



Frequency (MHz)	Cord. Reading (dBμV)	Correction Factor (dB)	Limit (dBμV)	Margin (dB)	Detector (PK/AV/QP)
0.190	39.74	0.25	64.04	24.30	QP
0.190	26.68	0.25	54.04	27.36	AV
0.260	36.49	0.24	61.43	24.94	QP
0.260	23.35	0.24	51.43	28.08	AV
0.520	32.30	0.21	56.00	23.70	QP
0.520	20.56	0.21	46.00	25.44	AV
0.780	29.95	0.22	56.00	26.05	QP
0.780	20.04	0.22	46.00	25.96	AV
1.430	26.07	0.25	56.00	29.93	QP
1.430	18.58	0.25	46.00	27.42	AV
12.490	33.08	0.93	60.00	26.92	QP
12.510	26.86	0.94	50.00	23.14	AV

## FCC §15.109 - RADIATED EMISSIONS

### Measurement Uncertainty

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If  $U_{lab}$  is less than or equal to  $U_{cispr}$  of Table 2, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If  $U_{lab}$  is greater than  $U_{cispr}$  of Table 1, then:

- compliance is deemed to occur if no measured disturbance level, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by  $(U_{lab} - U_{cispr})$ , exceeds the disturbance limit.

Based on CISPR 16-4-2: 2011, measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Dongguan) is:

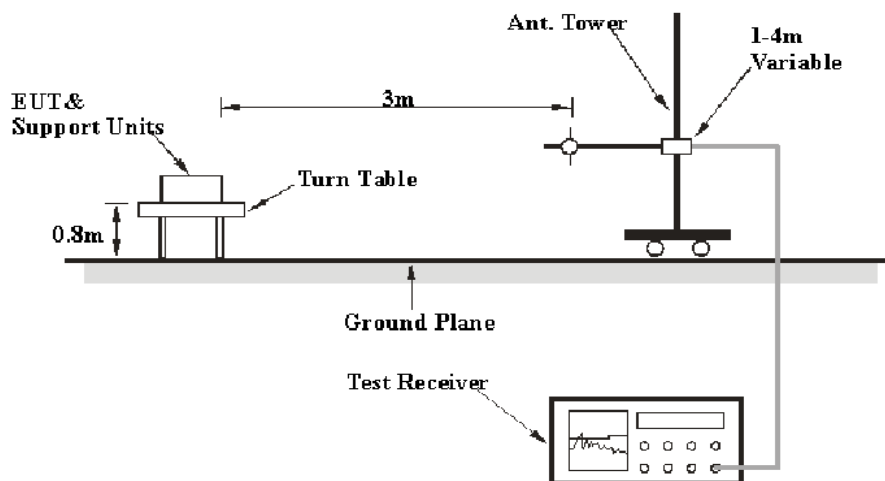
- 30M~200MHz: 5.0 dB
- 200M~1GHz: 6.2 dB
- 1G~6GHz: 4.45 dB
- 6G~18GHz: 5.23 dB

Table 2 – Values of  $U_{cispr}$

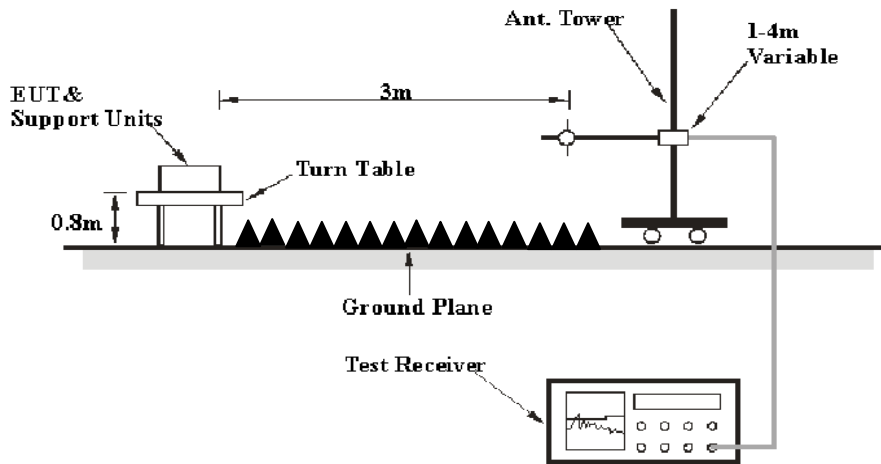
Measurement	$U_{cispr}$
Radiated disturbance (electric field strength at an OATS or in a SAC) (30 MHz to 1000 MHz)	6.3 dB
Radiated disturbance (electric field strength in a FAR) (1 GHz to 6 GHz)	5.2 dB
Radiated disturbance (electric field strength in a FAR) (6 GHz to 18 GHz)	5.5 dB

### EUT Setup

Below 1 GHz:



**Above 1GHz:**



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2003. The specification used was the FCC Part 15.109, Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The spacing between the peripherals was 10 cm.

The adapter was connected to a 120 VAC/60 Hz or 12V DC power source

**EMI Test Receiver Setup**

According to FCC 15.33 requirements, the system was measured from 30 MHz to 6 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30MHz – 1000 MHz	120 kHz	300 kHz	120kHz	QP
Above 1 GHz	1MHz	3 MHz	/	PK
	1MHz	10 Hz	/	Ave.

**Test Procedure**

For the radiated emissions test, the adapter/Laptop was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in Quasi-peak detection mode for 30 MHz to 1 GHz, Peak and average detection mode above 1 GHz.



## Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Loss and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Loss} + \text{Cable Loss} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

## Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI TEST RECEIVER	ESCI	100224	2013-5-6	2014-5-5
Sunol Sciences	Antenna	JB3	A060611-1	2011-9-6	2014-9-5
HP	HP AMPLIFIER	8447E	2434A02181	N/A	N/A
R&S	Spectrum analyzer	FSEM 30	849016/001	2012-12-7	2013-12-6
ETS LINDGREN	horn antenna	3115	000 527 35	2012-9-6	2015-9-5
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	N/A	N/A
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A

\* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to National Primary Standards and International System of Units (SI).

## Test Results Summary

According to the data in the following table, the EUT complied with the FCC §15.109, Class B, with the worst margin reading of:

**4.20 dB at 45.5200 MHz** in the **Vertical** polarization of USB downloading mode (DC input)

## Test Data

### Environmental Conditions

<b>Temperature:</b>	25.5 °C
<b>Relative Humidity:</b>	63 %
<b>ATM Pressure:</b>	99.7 kPa

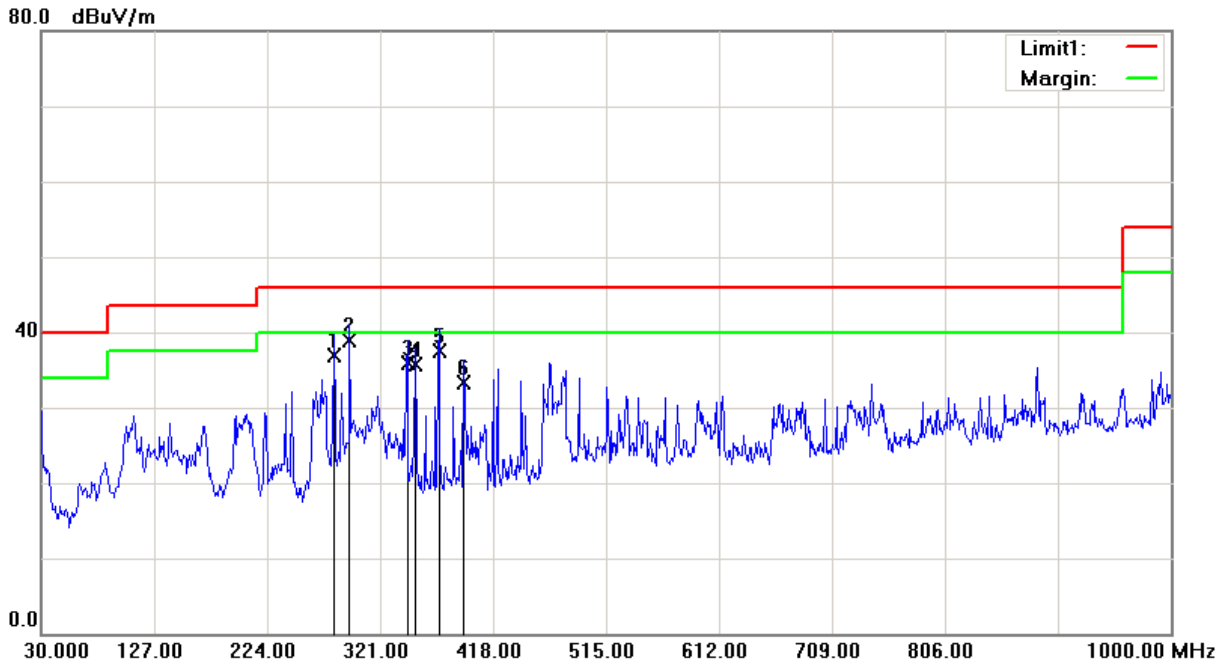
*The testing was performed by Leon Chen on 2013-09-27.*

**Model: MID30802**

**1) Below 1 GHz:**

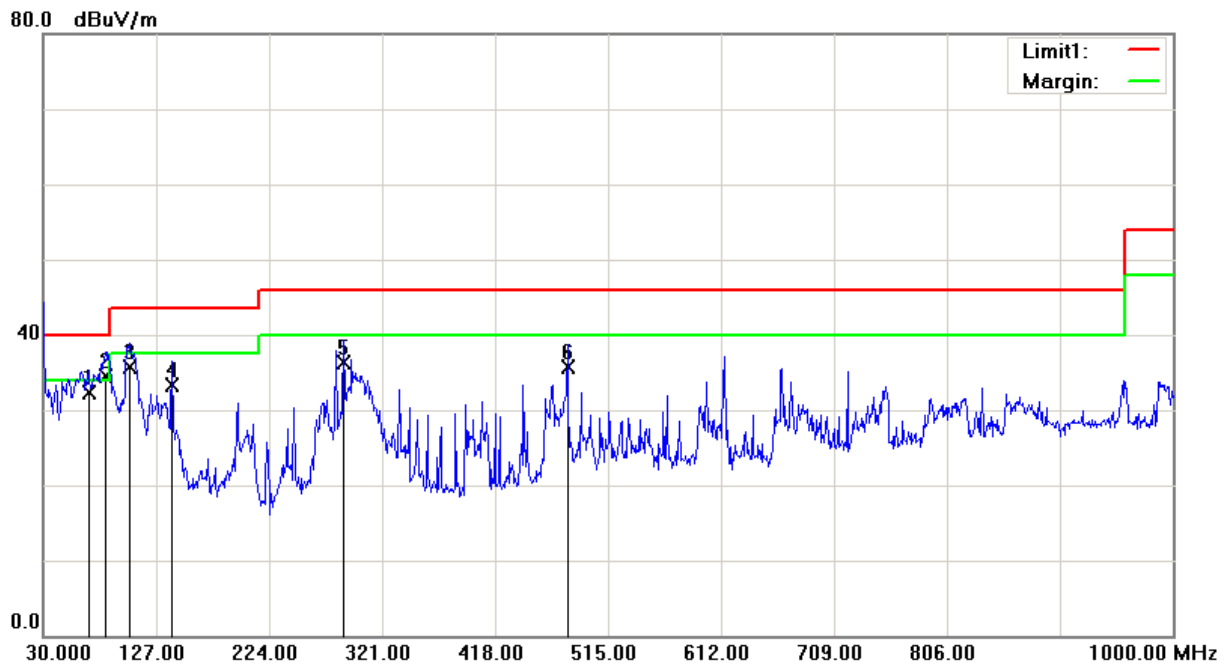
*Test mode: HDMI playing (ac mains input)*

**Horizontal:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
281.2300	42.75	QP	-5.85	36.90	46.00	9.10
294.8100	44.52	QP	-5.62	38.90	46.00	7.10
344.2800	40.71	QP	-4.71	36.00	46.00	10.00
351.0700	40.12	QP	-4.32	35.80	46.00	10.20
371.4400	41.57	QP	-3.97	37.60	46.00	8.40
392.7800	37.01	QP	-3.61	33.40	46.00	12.60

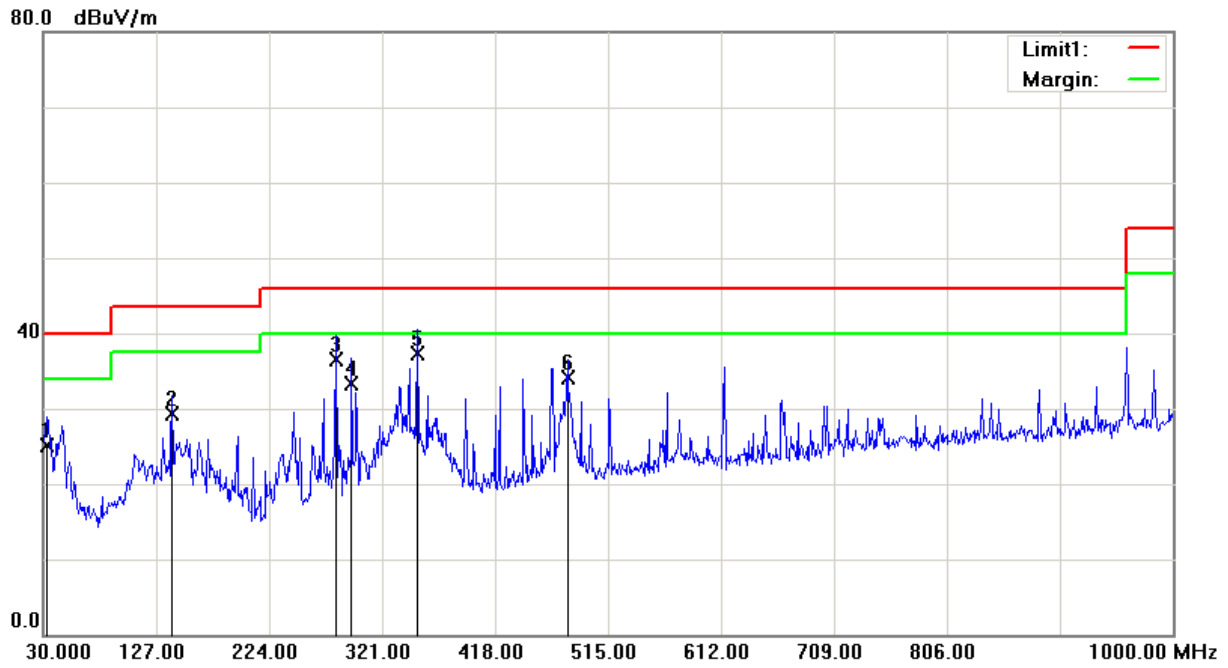
**Vertical:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
68.8000	44.41	QP	-12.01	32.40	40.00	7.60
83.3500	47.18	QP	-12.58	34.60	40.00	5.40
103.7200	44.42	QP	-8.62	35.80	43.50	7.70
140.5800	40.29	QP	-6.89	33.40	43.50	10.10
288.0200	42.00	QP	-5.70	36.30	46.00	9.70
480.0800	37.15	QP	-1.45	35.70	46.00	10.30

Test mode: USB Downloading (DC input)

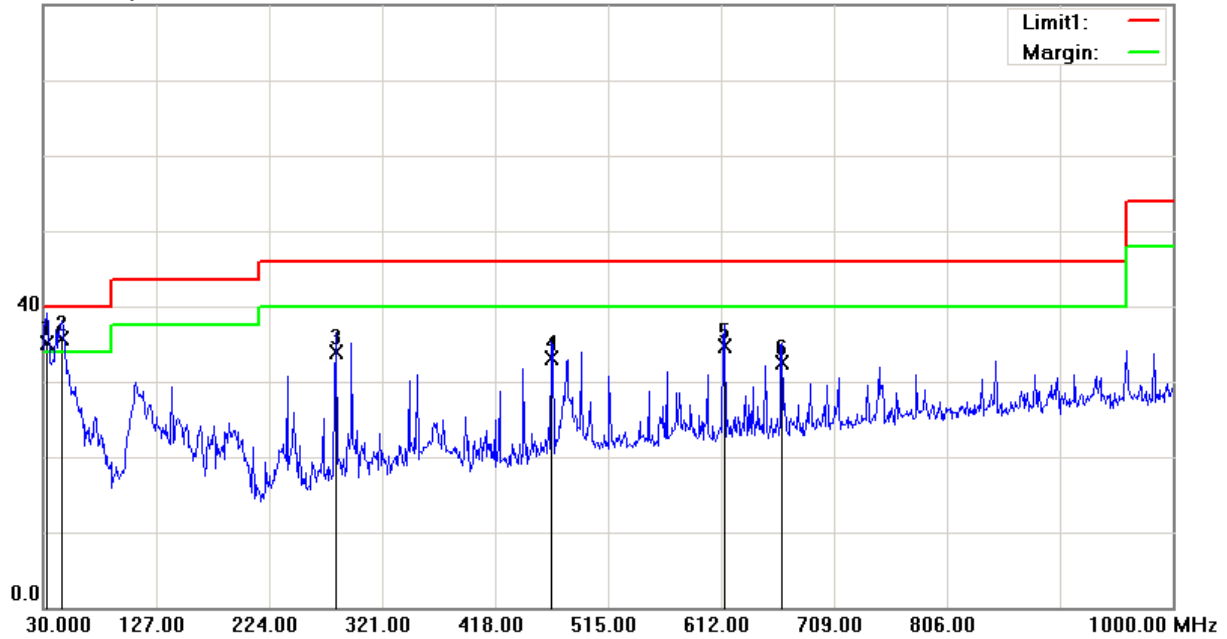
**Horizontal:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
32.9100	25.74	QP	-0.64	25.10	40.00	14.90
140.5800	36.29	QP	-6.89	29.40	43.50	14.10
281.2300	42.35	QP	-5.85	36.50	46.00	9.50
294.8100	39.02	QP	-5.62	33.40	46.00	12.60
351.0700	41.62	QP	-4.32	37.30	46.00	8.70
480.0800	35.55	QP	-1.45	34.10	46.00	11.90

**Vertical:**

80.0 dBuV/m

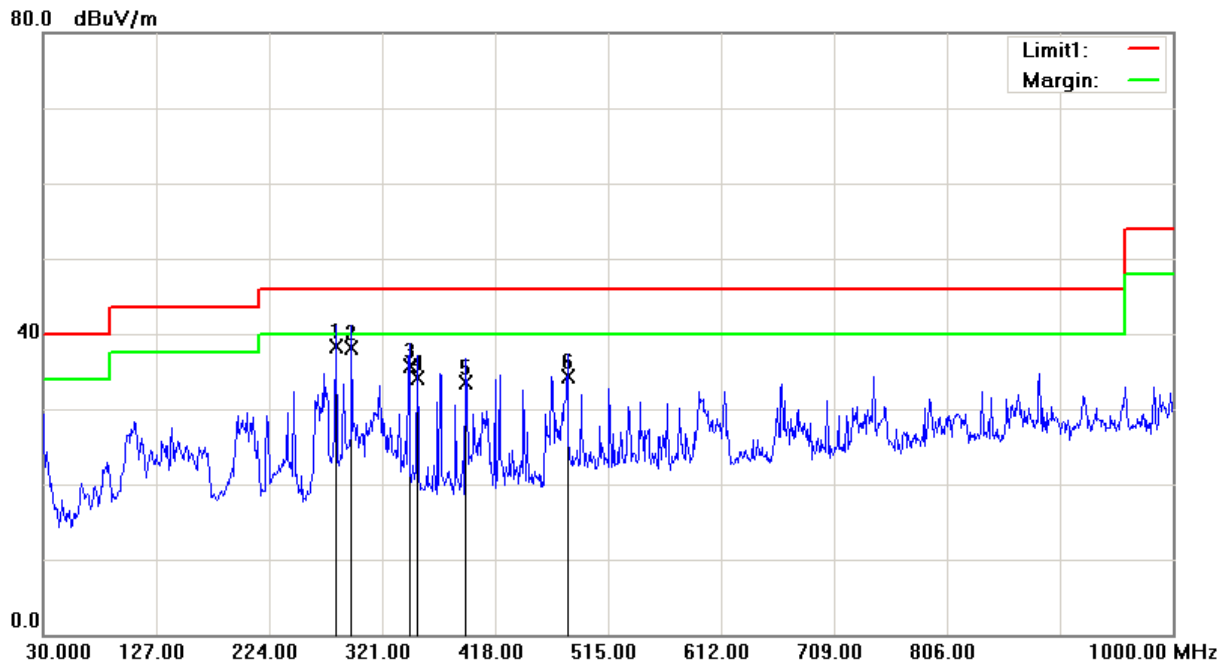


Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
32.9100	35.74	QP	-0.64	35.10	40.00	4.90*
45.5200	45.70	QP	-9.90	35.80	40.00	4.20*
281.2300	39.75	QP	-5.85	33.90	46.00	12.10
466.5000	35.03	QP	-1.83	33.20	46.00	12.80
614.9100	34.66	QP	0.04	34.70	46.00	11.30
664.3800	32.15	QP	0.45	32.60	46.00	13.40

\*Within measurement uncertainty!

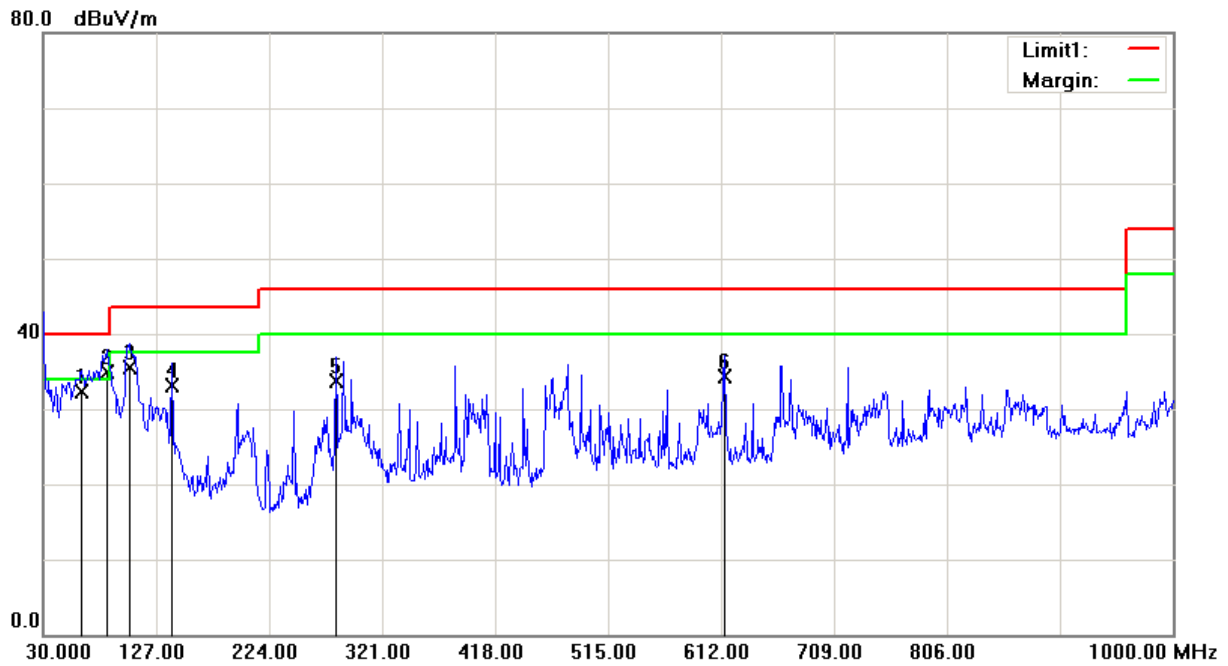
Test mode: HDMI Playing (DC input)

**Horizontal:**



Frequency (MHz)	Receiver Reading (dBµV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
281.2300	44.15	QP	-5.85	38.30	46.00	7.70
294.8100	43.82	QP	-5.62	38.20	46.00	7.80
344.2800	40.41	QP	-4.71	35.70	46.00	10.30
351.0700	38.52	QP	-4.32	34.20	46.00	11.80
392.7800	37.21	QP	-3.61	33.60	46.00	12.40
480.0800	35.75	QP	-1.45	34.30	46.00	11.70

**Vertical:**

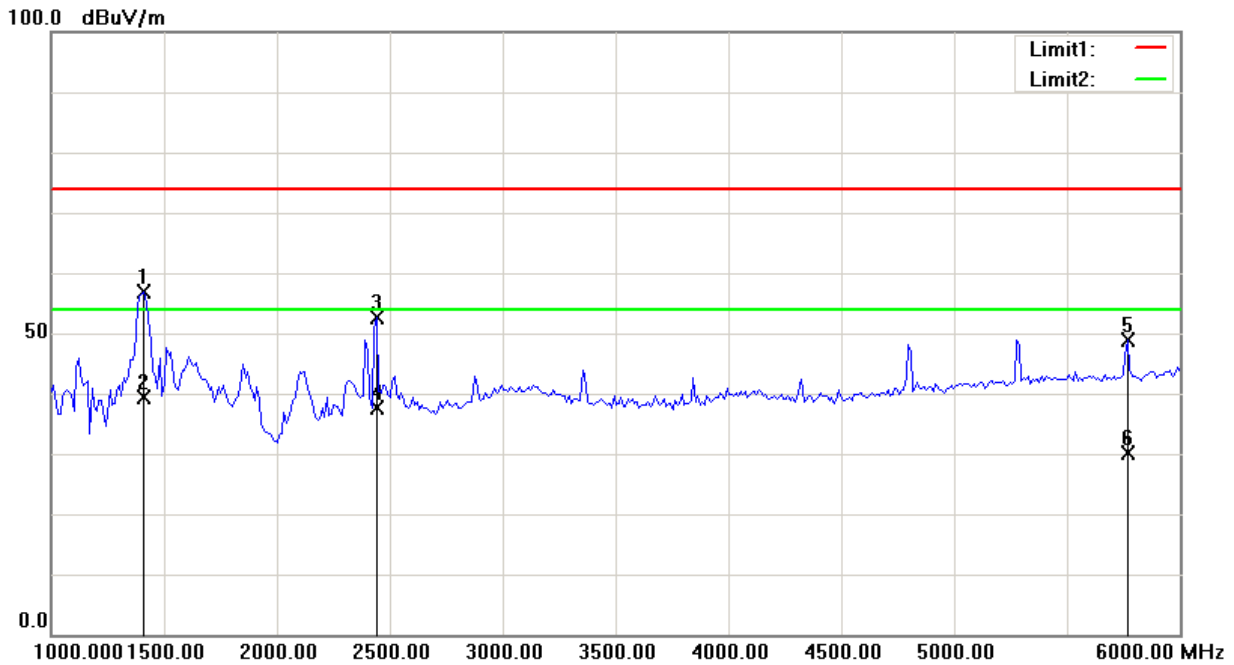


Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
62.9800	44.95	QP	-12.65	32.30	40.00	7.70
85.2900	47.50	QP	-12.60	34.90	40.00	5.10
103.7200	44.22	QP	-8.62	35.60	43.50	7.90
140.5800	39.99	QP	-6.89	33.10	43.50	10.40
281.2300	39.55	QP	-5.85	33.70	46.00	12.30
614.9100	34.36	QP	0.04	34.40	46.00	11.60

Above 1 GHz:

Test mode: HDMI Playing (AC mains input)

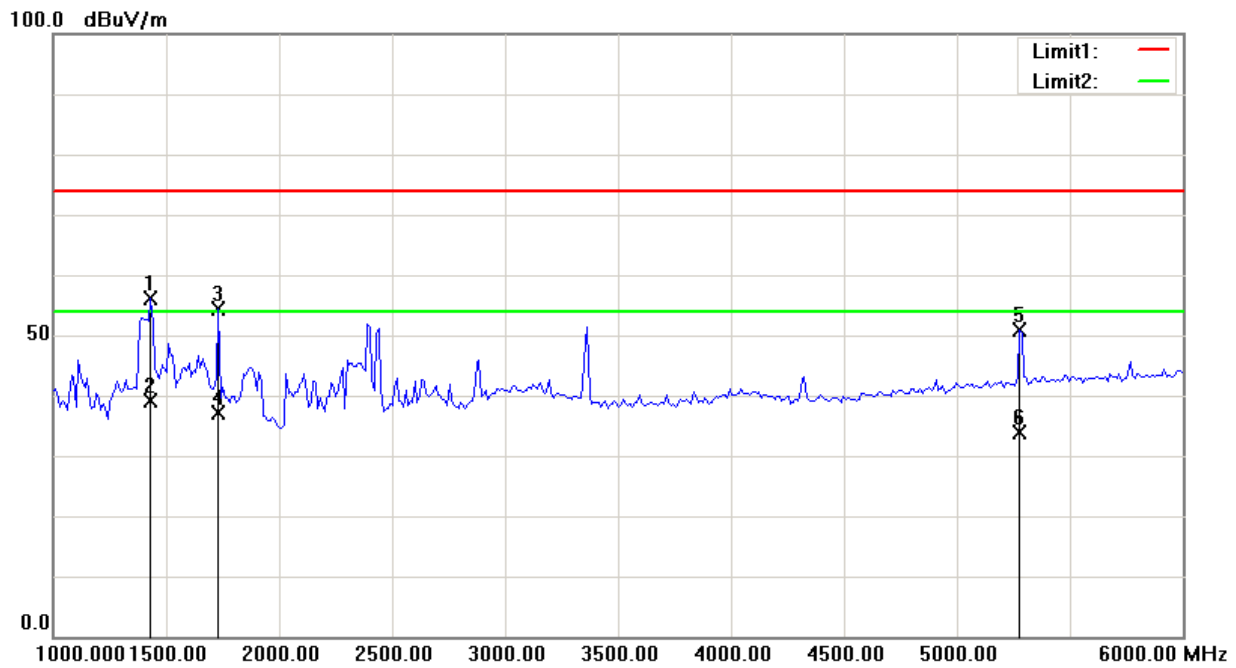
**Horizontal:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1410.822	57.49	peak	-0.65	56.84	74.00	17.16
1410.822	40.01	AVG	-0.65	39.36	54.00	14.64
2442.886	49.66	peak	2.97	52.63	74.00	21.37
2442.886	34.62	AVG	2.97	37.59	54.00	16.41
5769.539	37.26	peak	11.55	48.81	74.00	25.19
5769.539	18.64	AVG	11.55	30.19	54.00	23.81



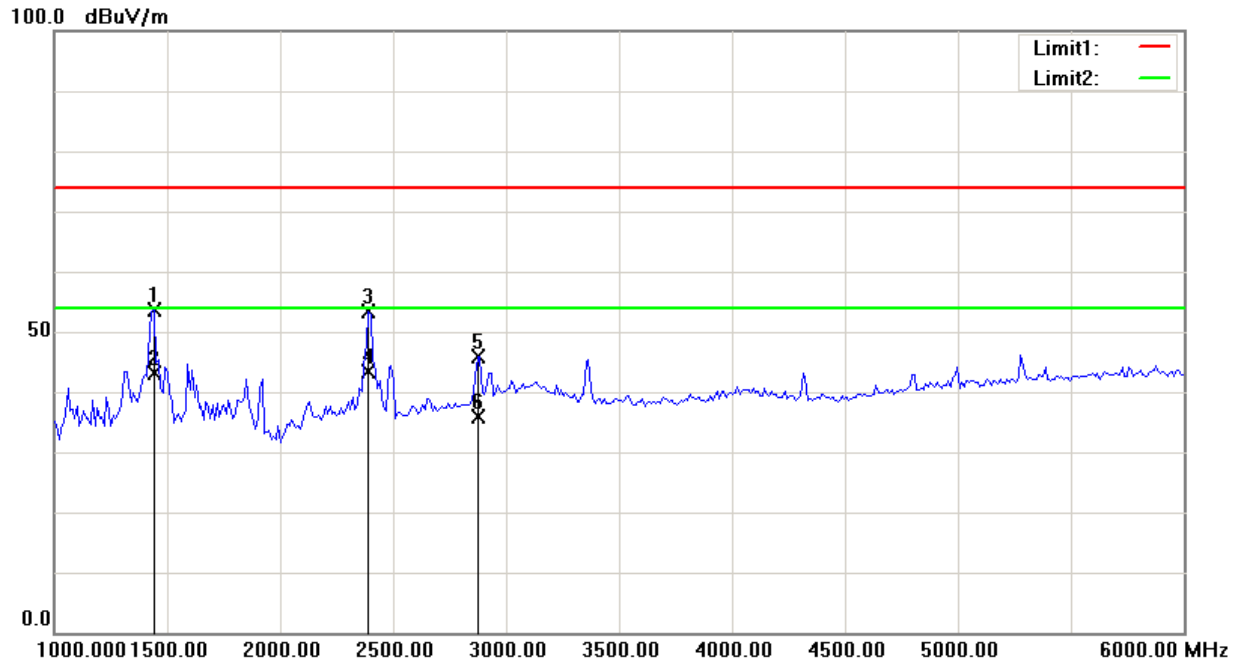
**Vertical:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1430.862	56.65	peak	-0.55	56.10	74.00	17.90
1430.862	39.70	AVG	-0.55	39.15	54.00	14.85
1731.463	53.62	peak	0.66	54.28	74.00	19.72
1731.463	36.59	AVG	0.66	37.25	54.00	16.75
5278.557	40.46	peak	10.38	50.84	74.00	23.16
5278.557	23.40	AVG	10.38	33.78	54.00	20.22

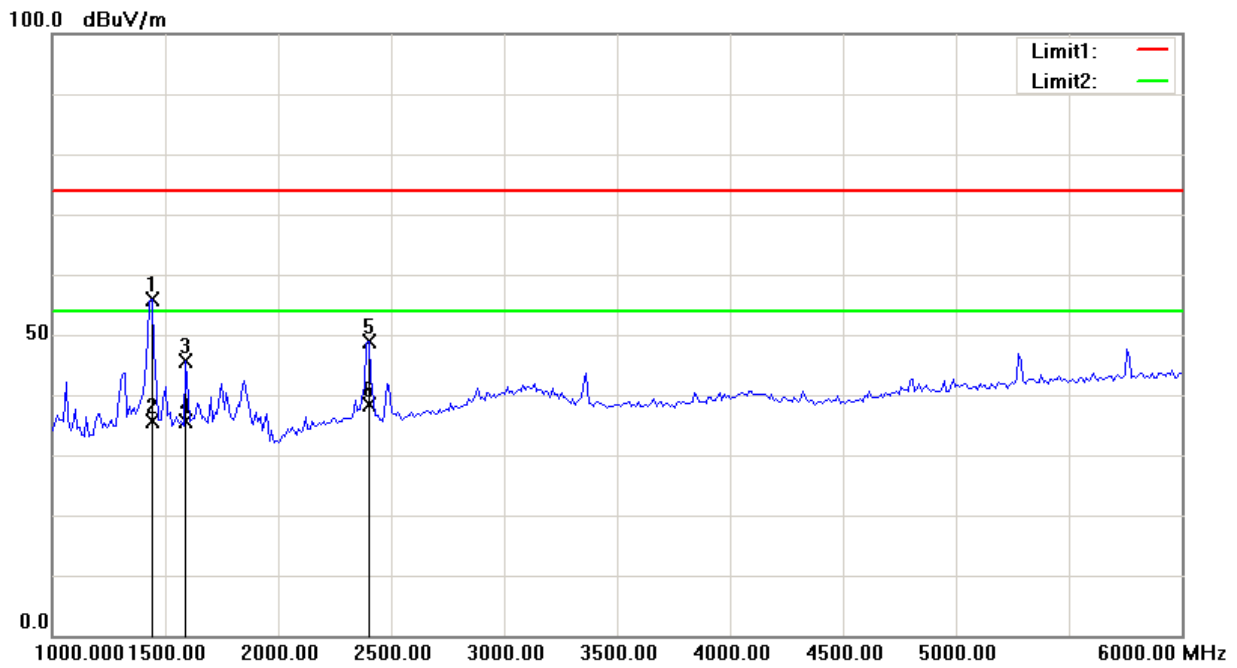
Test mode: USB Downloading (DC input)

**Horizontal:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1440.882	54.02	peak	-0.49	53.53	74.00	20.47
1440.882	43.64	AVG	-0.49	43.15	54.00	10.85
2392.786	50.53	peak	2.89	53.42	74.00	20.58
2392.786	40.46	AVG	2.89	43.35	54.00	10.65
2873.747	40.24	peak	5.68	45.92	74.00	28.08
2873.747	30.18	AVG	5.68	35.86	54.00	18.14

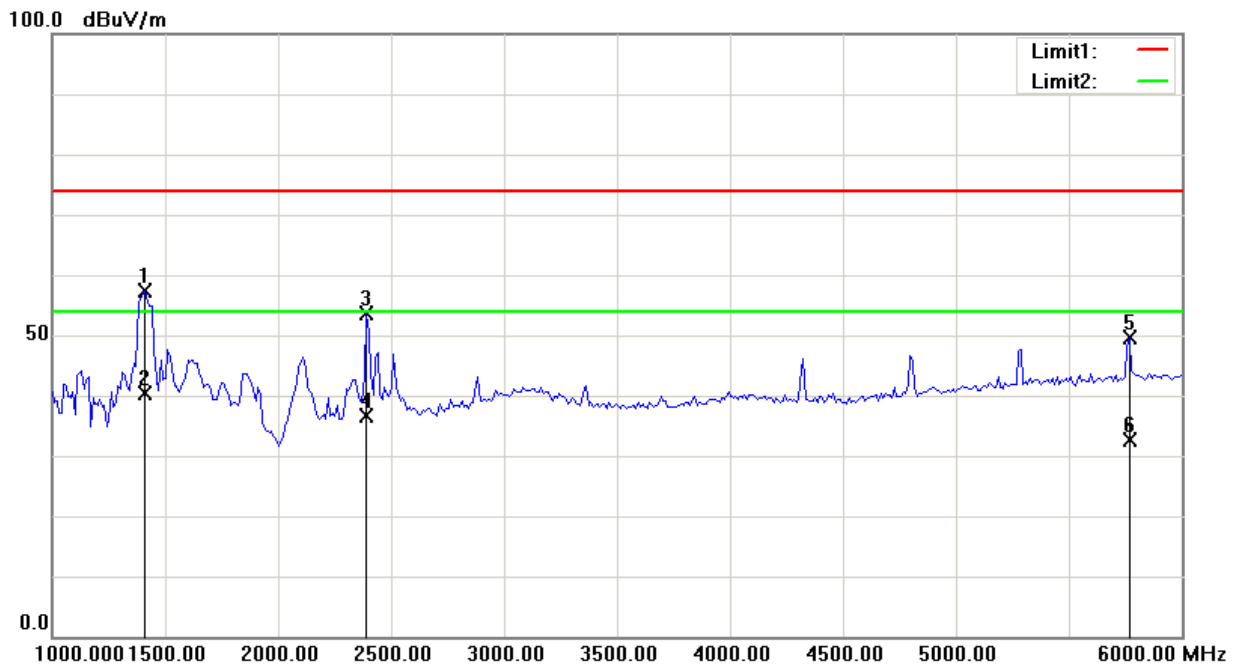
**Vertical:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1440.882	56.30	peak	-0.49	55.81	74.00	18.19
1440.882	36.22	AVG	-0.49	35.73	54.00	18.27
1591.182	45.60	peak	0.10	45.70	74.00	28.30
1591.182	35.52	AVG	0.10	35.62	54.00	18.38
2402.806	45.91	peak	2.94	48.85	74.00	25.15
2402.806	35.32	AVG	2.94	38.26	54.00	15.74

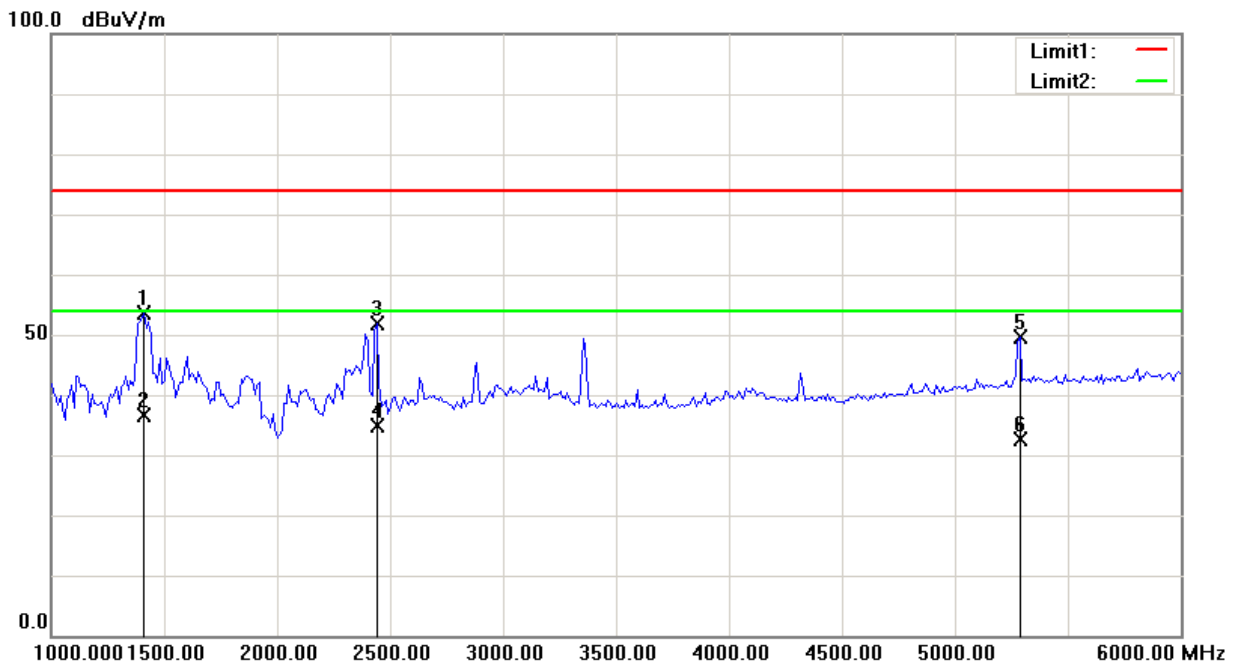
Test mode: HDMI Playing (DC input)

**Horizontal:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1410.822	57.95	peak	-0.65	57.30	74.00	16.70
1410.822	40.91	AVG	-0.65	40.26	54.00	13.74
2392.786	50.74	peak	2.89	53.63	74.00	20.37
2392.786	33.78	AVG	2.89	36.67	54.00	17.33
5769.539	38.12	peak	11.55	49.67	74.00	24.33
5769.539	21.04	AVG	11.55	32.59	54.00	21.41

**Vertical:**



Frequency (MHz)	Receiver Reading (dBμV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBμV/m)	Limit (dBμV/m)	Margin (dB)
1410.822	54.33	peak	-0.65	53.68	74.00	20.32
1410.822	37.24	AVG	-0.65	36.59	54.00	17.41
2442.886	48.96	peak	2.97	51.93	74.00	22.07
2442.886	32.00	AVG	2.97	34.97	54.00	19.03
5288.577	39.24	peak	10.47	49.71	74.00	24.29
5288.577	22.20	AVG	10.47	32.67	54.00	21.33

## DECLARATION OF SIMILARITY

---



Action Electronics Co Ltd.

ADD: No. 198, Chung Yuan Road Chung, Chung Li, Taiwan

Tel: 88634515494 Fax: 88634629341

## DECLARATION OF SIMILARITY

Date: 2013-10-8

To:

Bay Area Compliance Laboratories Corp. (Dongguan)

No.69 Pulong Village Puxinhu Industry Zone Tangxia,

Dongguan, China

<http://www.baclcorp.com>

Dear Sir or Madam:

We, Action Electronics Co Ltd., hereby declare that product: 8" Tablet PC , have four models: MID30801, T852 MID , MID30802 and T852 SBK . The differences between them are the model name and with or without docking part, model MID30802 and T852 SBK with docking part, model MID30801 and T852 MID without docking part. Compared with MID30801 and T852 MID, MID30802 and T852 SBK have worse electromagnetic compatibility performance.

Please contact me should there be need for any additional clarification or information.

Best Regards,

Tanliang Lee  
RD Manager



\*\*\*\*\* END OF REPORT \*\*\*\*\*