FCC PART 15B

TEST REPORT

For

SHUOYING INDUSTRIAL(SHENZHEN)CO.,LTD

NO.1 Shuoying Rd.,Hebei Industry Area,Dalang,Longhua Town,Baoan,Shenzhen,China

FCC ID: XJN-PA7810X

Report Type:	**Product Type:**
Original Report	Mobile Internet Devices

Test Engineer:	Leon Chen
Report Number:	R2DG140605002-00C
Report Date:	2014-06-24
Reviewed By:	Sula Huang RF Engineer
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

TABLE OF CONTENTS

GENERAL INFORMATION **3**
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) 3
OBJECTIVE 3
RELATED SUBMITTAL(S)/GRANT(S) 3
TEST METHODOLOGY 3
TEST FACILITY 3
SYSTEM TEST CONFIGURATION **4**
JUSTIFICATION 4
EUT EXERCISE SOFTWARE 4
EQUIPMENT MODIFICATIONS 4
SUPPORT EQUIPMENT LIST AND DETAILS 4
EXTERNAL CABLE 4
BLOCK DIAGRAM OF TEST SETUP 5
SUMMARY OF TEST RESULTS **6**
FCC §15.107 – AC LINE CONDUCTED EMISSIONS **7**
MEASUREMENT UNCERTAINTY 7
EUT SETUP 7
EMI TEST RECEIVER SETUP 8
TEST EQUIPMENT LIST AND DETAILS 8
TEST PROCEDURE 8
CORRECTED AMPLITUDE & MARGIN CALCULATION 8
TEST RESULTS SUMMARY 9
TEST DATA 9
FCC §15.109 - RADIATED EMISSIONS **14**
MEASUREMENT UNCERTAINTY 14
EUT SETUP 14
EMI TEST RECEIVER SETUP 15
TEST PROCEDURE 15
CORRECTED AMPLITUDE & MARGIN CALCULATION 16
TEST EQUIPMENT LIST AND DETAILS 16
CORRECTED AMPLITUDE & MARGIN CALCULATION 17
TEST RESULTS SUMMARY 17
TEST DATA 17

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *SHUOYING INDUSTRIAL(SHENZHEN)CO.,LTD.*'s product, model number: *PA7810(FCC ID: XJN-PA7810X)* (the "EUT") in this report was a *Mobile Internet Devices*, which was measured approximately: 20.0cm (L) x 13.5 cm (W) x 1.0 cm(H), rated input voltage: DC 3.7 V rechargeable Li-ion battery or DC 5.0V charging from adapter.

Adapter information: SPPS
Model Name: I.T.E adapter
Model: SA/12PA/05FUS050200
Input: AC 100-240V, 50/60Hz, 0.5A
Output: DC 5.0V, 2A

** All measurement and test data in this report was gathered from production sample serial number: 140605002. (Assigned by BACL.Dongguan). The EUT was received on 2014-06-05.*

Objective

This report is prepared on behalf of *SHUOYING INDUSTRIAL(SHENZHEN)CO.,LTD* in accordance with Part 2, Subpart J, and Part 15-Subparts A and B of the Federal Communications Commission's rules.

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

Related Submittal(s)/Grant(s)

FCC Part15C DSS submissions with FCC ID: XJN-PA7810X.
FCC Part15C DTS submissions with FCC ID: XJN-PA7810X.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Dongguan).

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 Communications 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.

SYSTEM TEST CONFIGURATION

Justification

The system was configured for testing in a typical fashion (as normally used by a typical user).

EUT Exercise Software

Mode Description	Test Software	**Serial Number**
high-definition movies playing, resolution:1024*768,	N/A	JPTVOB2337
Read/Write data with Laptop	winthrax.exe	0293

Equipment Modifications

No equipment modifications.

Support Equipment List and Details

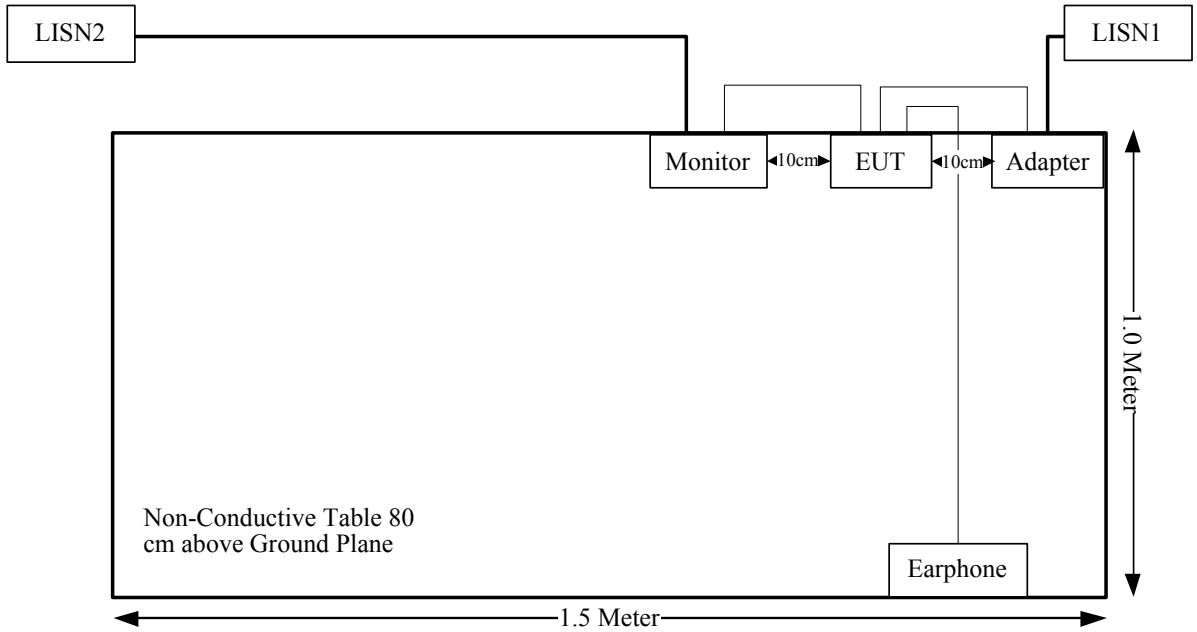
Manufacturer	**Description**	**Model**	**Serial Number**
HP	Printer	C3941A	JPTVOB2337
SAST	Modem	AEM-2100	0293
DELL	Keyboard	L100	CNORH656658907BL05DC
DELL	Laptop	PP11L	N/A
SAMSUNG	Monitor	S22C330H	ZXDCHTHD10149K
N/A	TF Card	4GB	N/A
N/A	Earphone	N/A	N/A

External Cable

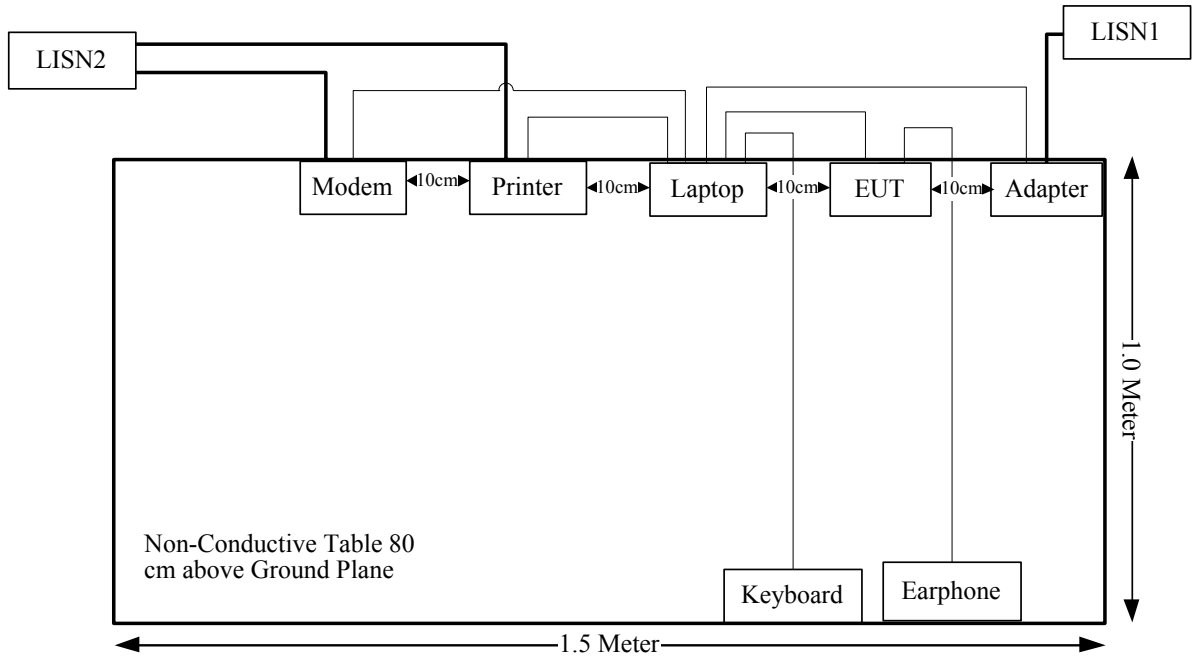
Cable Description	**Shielding Type**	**Ferrite Core**	**Length (m)**	**From Port**	**To**
Printer Cable	Yes	No	1.2	Parallel Port of Laptop	Printer
Serial Cable	Yes	No	1.2	Serial Port of Laptop	Modem
Keyboard Cable	Yes	Yes	1.5	Keyboard Port of Laptop	Keyboard
Earphone	no	no	1.1	EUT	Earphone
USB	yes	no	0.8	Adapter	EUT
HDMI	yes	no	1.0	HDMI Port of LCD Monitor	EUT

Block Diagram of Test Setup

Charging&Playing:



Downloading:



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	AC Line Conducted Emissions	Compliance
§15.109	Radiated Emissions	Compliance

FCC §15.107 – AC LINE CONDUCTED EMISSIONS

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are Receiver, cable loss, and LISN.

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.

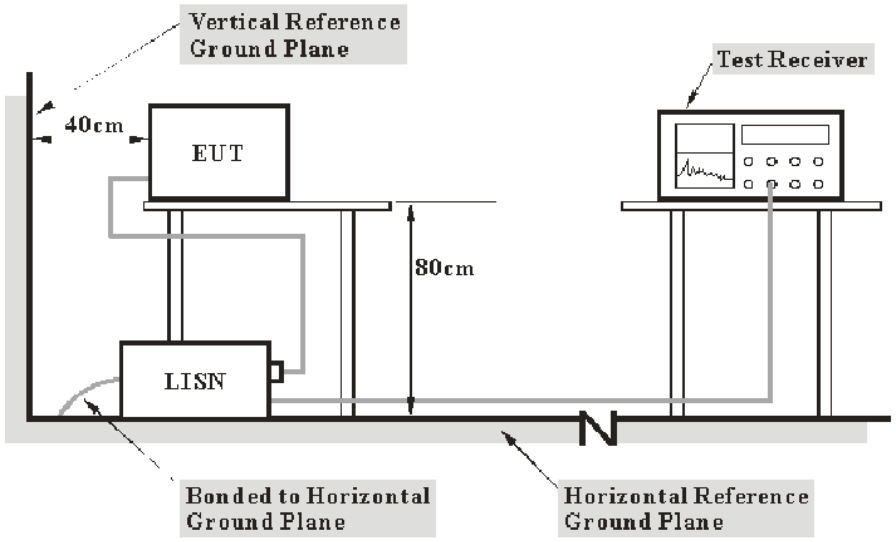
If U_{lab} is greater than U_{cispr} of Table 1, then:
- compliance is deemed to occur if no measured disturbance level, increased by ($U_{lab} - U_{cispr}$), exceeds the disturbance limit;
- non - compliance is deemed to occur if any measured disturbance level, increased by ($U_{lab} - U_{cispr}$), 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 Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCS 30	830245/006	2013-11-20	2014-11-19
R&S	Two-line V-network	ENV216	3560.6550.12	2014-01-22	2015-01-21
R&S	L.I.S.N	ESH3-Z5	100113	N/A	N/A
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

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

Test Procedure

During the conducted emission test, the adapter 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:
$V_C = V_R + A_C + VDF$

Herein,

V_C: corrected voltage amplitude

V_R: reading voltage amplitude

A_c: attenuation caused by cable loss
VDF: voltage division factor of AMN or ISN

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:

Margin = Limit – Corrected Amplitude

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15 B Class B, with the worst margin reading of:

2.9 dB at **0.563041 MHz** in the **Line** conducted mode

Test Data

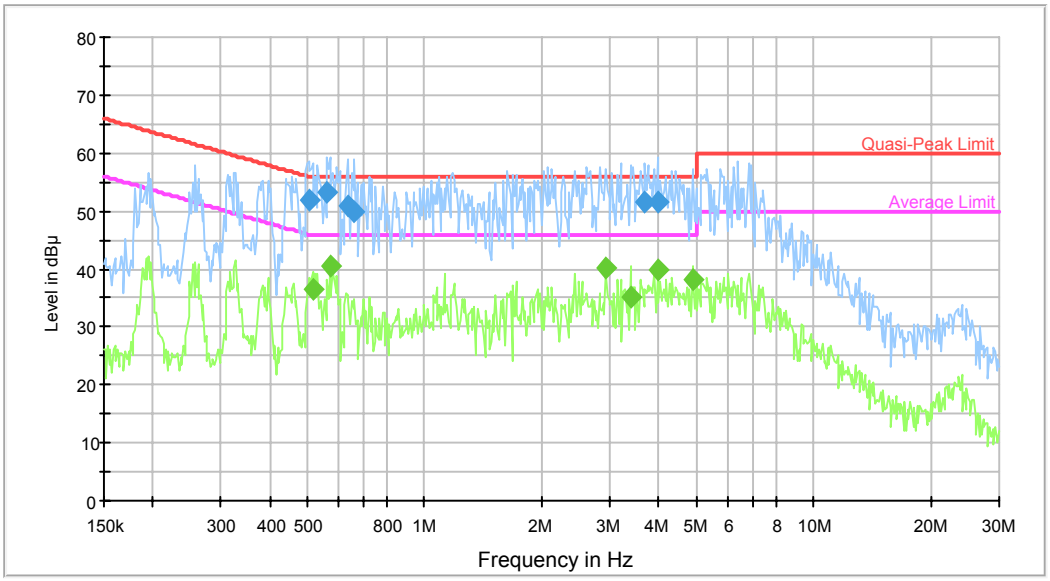
Environmental Conditions

Temperature:	28.5 °C
Relative Humidity:	65 %
ATM Pressure:	99.6 kPa

The testing was performed by Leon Chen on 2014-06-18.

Test mode: Charging&Playing

AC120 V, 60 Hz, Line:

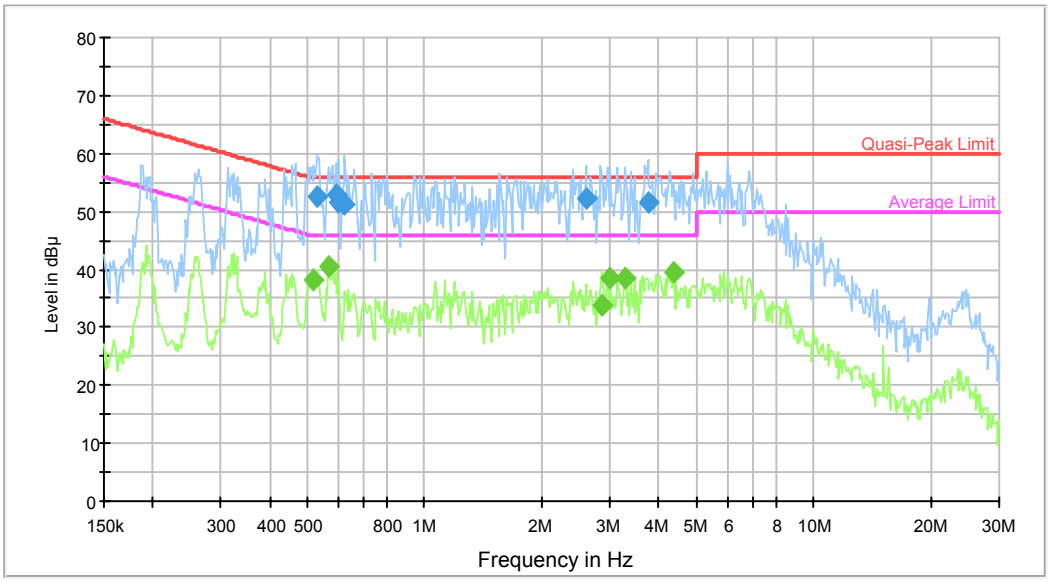


Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.503608	52.0	9.000	L1	10.4	4.0	56.0	Compliance
0.563041	53.1	9.000	L1	10.4	2.9*	56.0	Compliance
0.634524	50.9	9.000	L1	10.6	5.1	56.0	Compliance
0.660314	50.0	9.000	L1	10.6	6.0	56.0	Compliance
3.691692	51.7	9.000	L1	10.7	4.3	56.0	Compliance
3.966160	51.4	9.000	L1	10.7	4.6	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.515791	36.4	9.000	L1	10.4	9.6	46.0	Compliance
0.572086	40.5	9.000	L1	10.4	5.5	46.0	Compliance
2.930016	40.1	9.000	L1	10.6	5.9	46.0	Compliance
3.381891	35.0	9.000	L1	10.7	11.0	46.0	Compliance
3.966160	39.9	9.000	L1	10.7	6.1	46.0	Compliance
4.879149	38.2	9.000	L1	10.7	7.8	46.0	Compliance

*Within measurement uncertainty!

AC120 V, 60 Hz, Neutral:



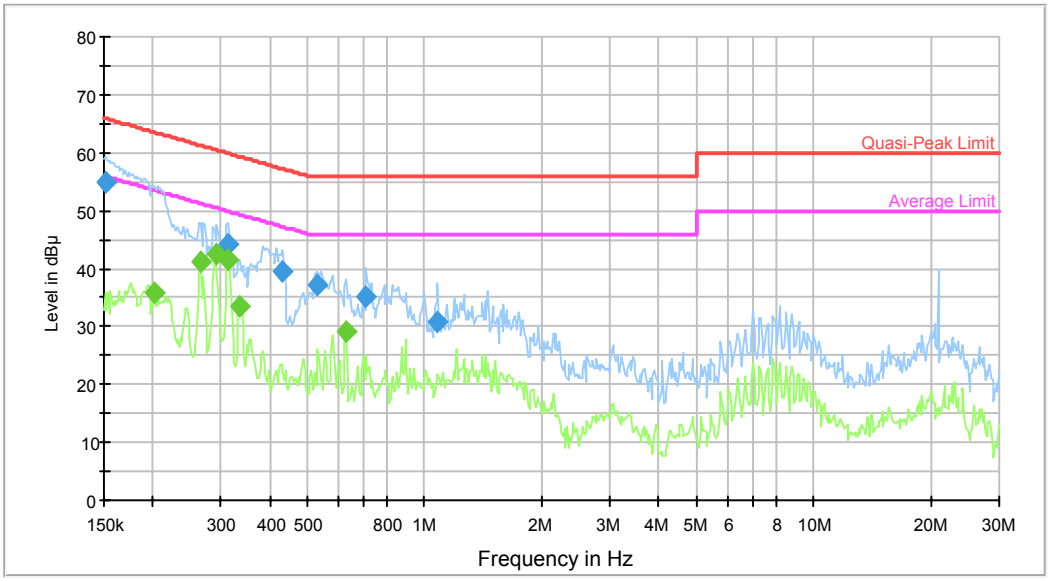
Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.528270	52.4	9.000	N	10.4	3.6	56.0	Compliance
0.590613	52.8	9.000	N	10.5	3.2*	56.0	Compliance
0.600101	51.5	9.000	N	10.5	4.5	56.0	Compliance
0.624492	51.3	9.000	N	10.5	4.7	56.0	Compliance
2.599932	52.3	9.000	N	10.5	3.7	56.0	Compliance
3.750995	51.6	9.000	N	10.8	4.4	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.519918	38.1	9.000	N	10.4	7.9	46.0	Compliance
0.567545	40.6	9.000	N	10.4	5.4	46.0	Compliance
2.860806	33.8	9.000	N	10.6	12.2	46.0	Compliance
3.000901	38.3	9.000	N	10.7	7.7	46.0	Compliance
3.275801	38.5	9.000	N	10.7	7.5	46.0	Compliance
4.364119	39.4	9.000	N	10.8	6.6	46.0	Compliance

*Within measurement uncertainty!

Test mode: Downloading

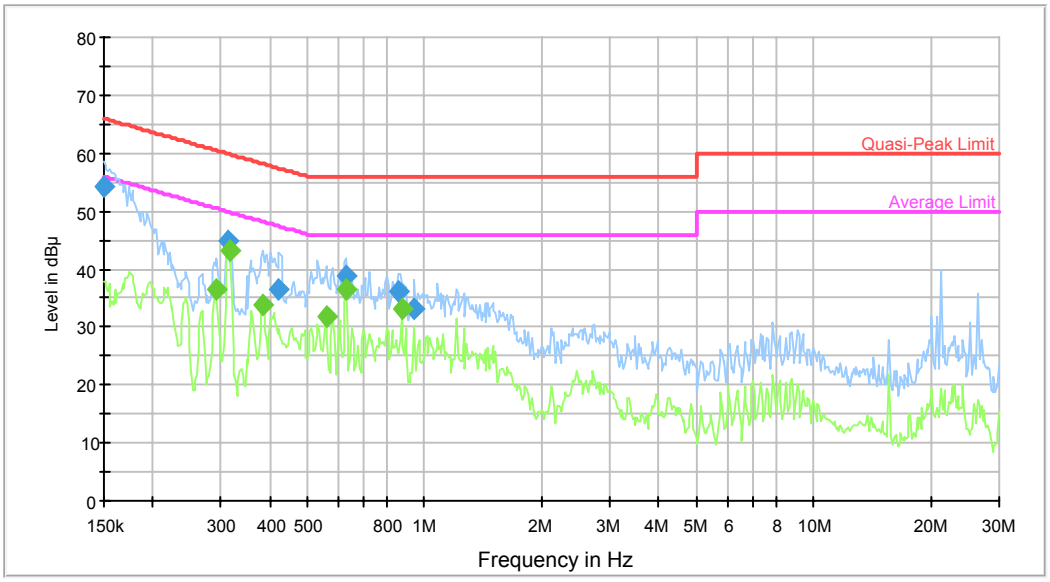
AC120 V, 60 Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.151200	55.0	9.000	L1	10.1	11.0	65.9	Compliance
0.312220	44.1	9.000	L1	10.7	15.8	59.9	Compliance
0.432855	39.4	9.000	L1	10.5	17.8	57.2	Compliance
0.532496	37.1	9.000	L1	10.4	18.9	56.0	Compliance
0.709407	35.2	9.000	L1	10.6	20.8	56.0	Compliance
1.082190	30.8	9.000	L1	10.4	25.2	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.203045	35.7	9.000	L1	10.8	17.7	53.5	Compliance
0.266226	41.1	9.000	L1	10.7	10.1	51.2	Compliance
0.290613	42.5	9.000	L1	10.7	8.0	50.5	Compliance
0.312220	41.4	9.000	L1	10.7	8.5	49.9	Compliance
0.335433	33.6	9.000	L1	10.7	15.7	49.3	Compliance
0.629488	29.0	9.000	L1	10.5	17.0	46.0	Compliance

AC120 V, 60 Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	54.3	9.000	N	10.3	11.7	66.0	Compliance
0.312220	45.0	9.000	N	11.1	14.9	59.9	Compliance
0.422630	36.7	9.000	N	10.7	20.7	57.4	Compliance
0.629488	38.7	9.000	N	10.5	17.3	56.0	Compliance
0.858911	36.2	9.000	N	10.5	19.8	56.0	Compliance
0.945093	33.1	9.000	N	10.5	22.9	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.290613	36.4	9.000	N	11.2	14.1	50.5	Compliance
0.314718	43.1	9.000	N	11.1	6.8	49.8	Compliance
0.384091	33.8	9.000	N	10.9	14.4	48.2	Compliance
0.558572	31.9	9.000	N	10.4	14.1	46.0	Compliance
0.629488	36.5	9.000	N	10.5	9.5	46.0	Compliance
0.872708	33.0	9.000	N	10.6	13.0	46.0	Compliance

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.

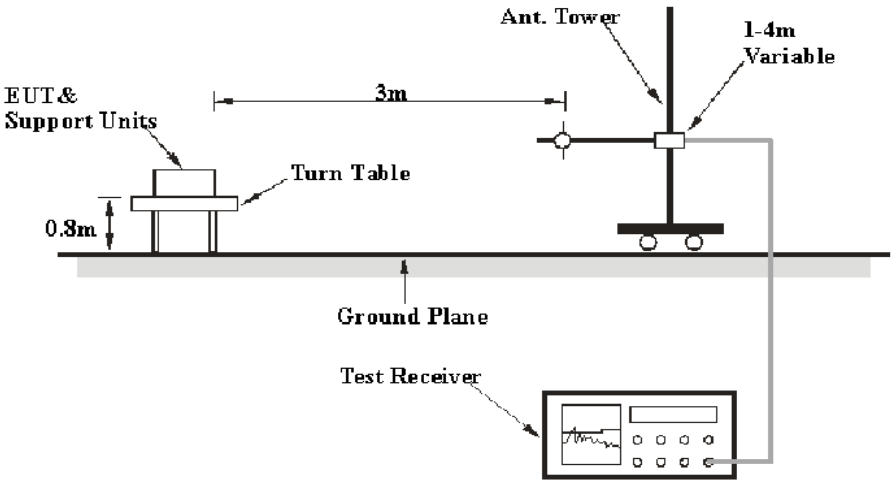
Based on CISPR 16-4-2: 2011, measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Dongguan) is:
30M~200MHz: 5.0 dB
200M~1GHz: 6.2 dB
1G~6GHz: 4.45 dB
6G~18GHz: 5.23 dB

Table 2 – Values of U_{cispr}

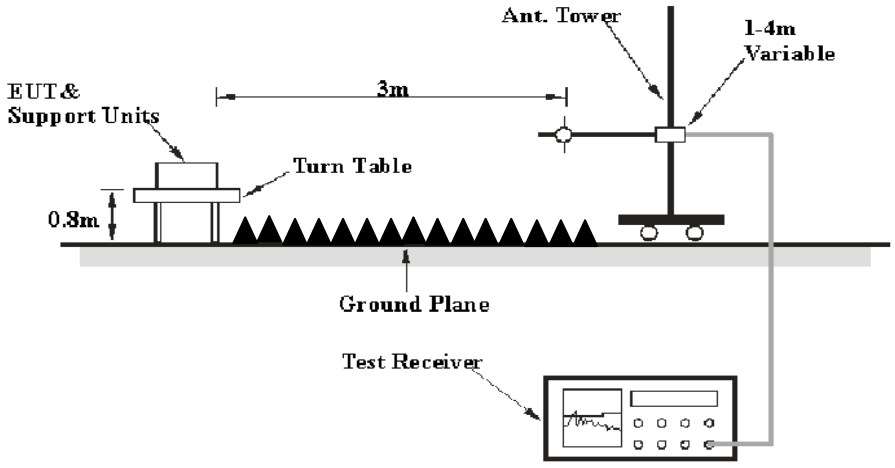
Measurement	U_{cispr}
Radiated disturbance (electric field strength at an OATS or in a SAC) (30 MHz to 1000 MHz)	6.3 dB
Radiated disturbance (electric field strength in a FAR) (1 GHz to 6 GHz)	5.2 dB
Radiated disturbance (electric field strength in a FAR) (6 GHz to 18 GHz)	5.5 dB

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 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
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	PK
	1 MHz	10 Hz	/	Ave.

Test Procedure

For the radiated emissions test, the adapter 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:

Corrected Amplitude = Meter Reading + Antenna Loss + Cable Loss - 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:

Margin = Limit – Corrected Amplitude

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2014-05-09	2015-05-08
Sunol Sciences	Antenna	JB3	A060611-1	2011-09-06	2014-09-05
HP	Amplifier	8447E	2434A02181	2013-09-06	2014-09-05
R&S	Spectrum Analyzer	FSEM	DE31388	2014-05-09	2015-05-08
ETS-Lindgren	Horn Antenna	3115	000 527 35	2012-09-06	2015-09-05
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2014-02-19	2015-02-18
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, traceable to National Primary Standards and International System of Units (SI).

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:

Corrected Amplitude = Meter Reading + Antenna Loss + Cable Loss - 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:

Margin = Limit – Corrected Amplitude

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 15 B Class B, with the worst margin reading of:

3.1 dB at **329.7300 MHz** in the **Horizontal** polarization for Downloading Mode

Test Data

Environmental Conditions

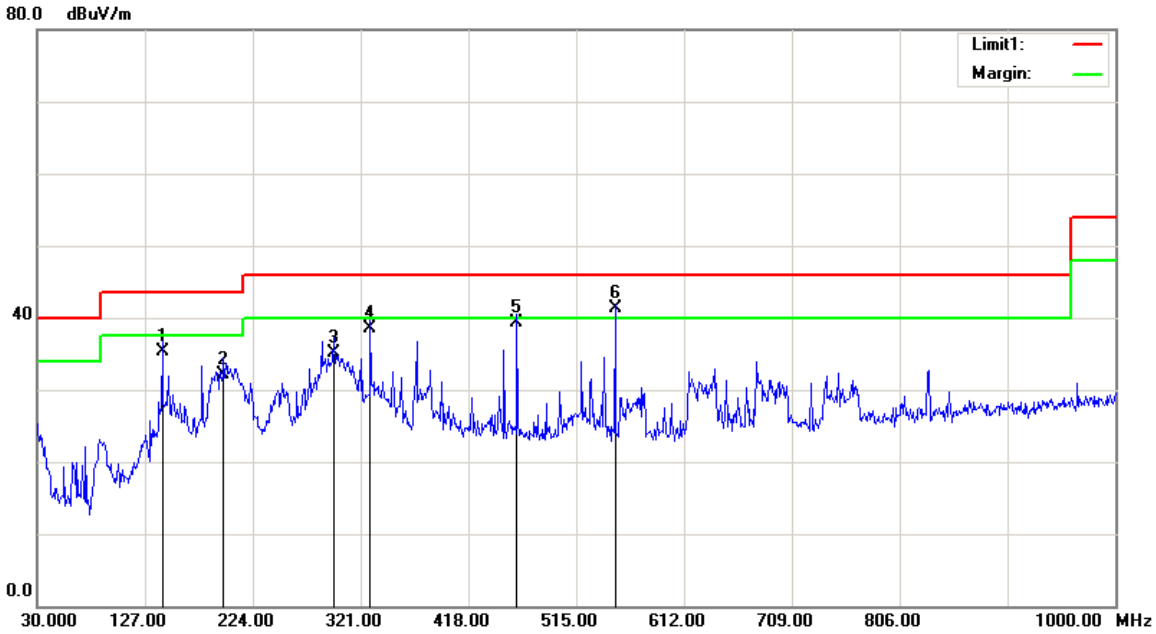
Temperature:	27.3°C -28.8 °C
Relative Humidity:	57%-67 %
ATM Pressure:	99.6 kPa -99.8 kPa

The testing was performed by Leon Chen from2014-06-10to2014-06-17.

Test mode: Charging&Playing

1) Below 1GHz:

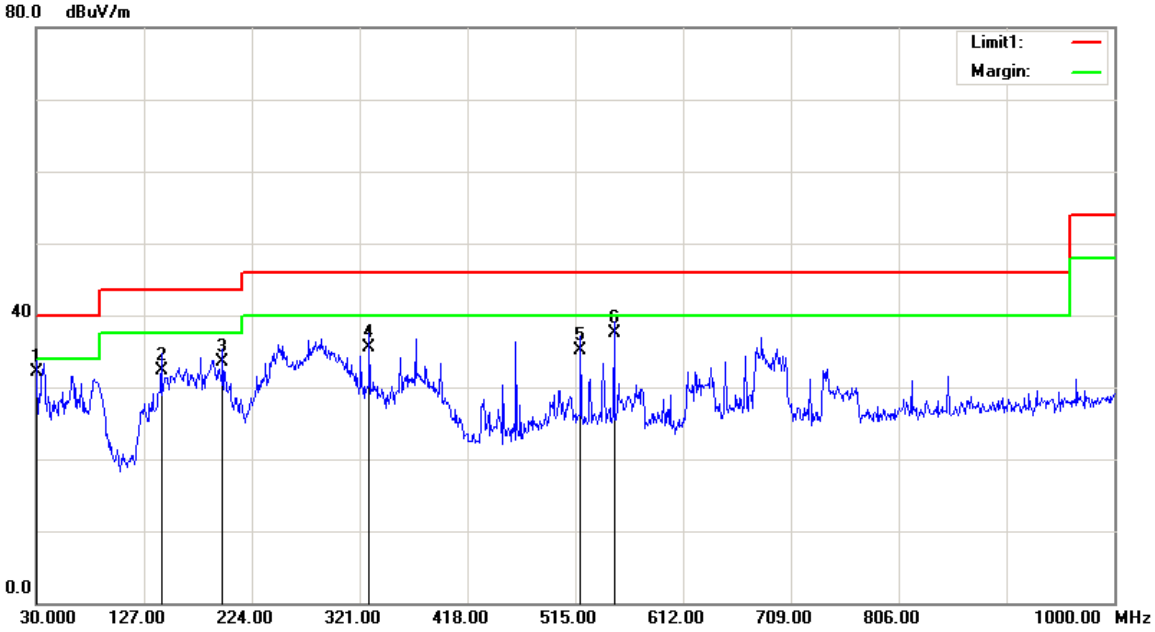
Horizontal:



Frequency (MHz)	Receiver Reading (dBµV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
142.5200	42.37	QP	-6.97	35.40	43.50	8.10
197.8100	39.34	QP	-7.24	32.10	43.50	11.40
296.7500	40.80	QP	-5.60	35.20	46.00	10.80
329.7300	43.34	QP	-4.84	38.50	46.00	7.50
461.6500	41.36	QP	-1.96	39.40	46.00	6.60
549.9200	42.12	QP	-0.82	41.30	46.00	4.70*

*Within measurement uncertainty!

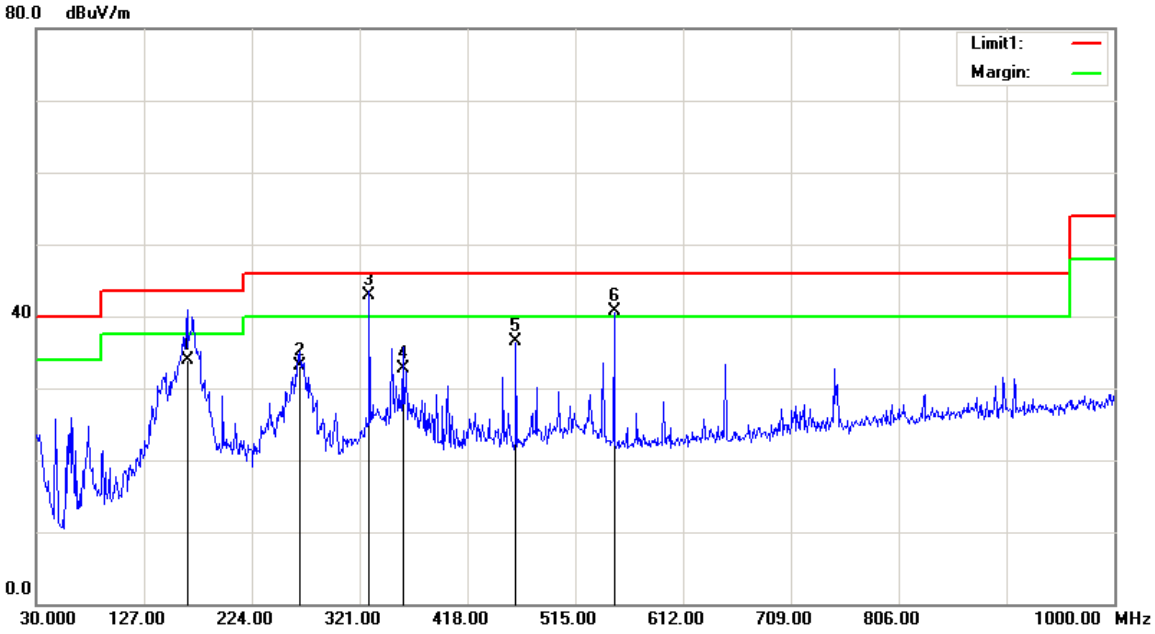
Vertical:



Frequency (MHz)	Receiver Reading (dBµV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
30.0000	30.65	QP	1.45	32.10	40.00	7.90
142.5200	39.37	QP	-6.97	32.40	43.50	11.10
197.8100	40.84	QP	-7.24	33.60	43.50	9.90
329.7300	40.34	QP	-4.84	35.50	46.00	10.50
519.8500	36.51	QP	-1.31	35.20	46.00	10.80
549.9200	38.42	QP	-0.82	37.60	46.00	8.40

Test mode: Downloading

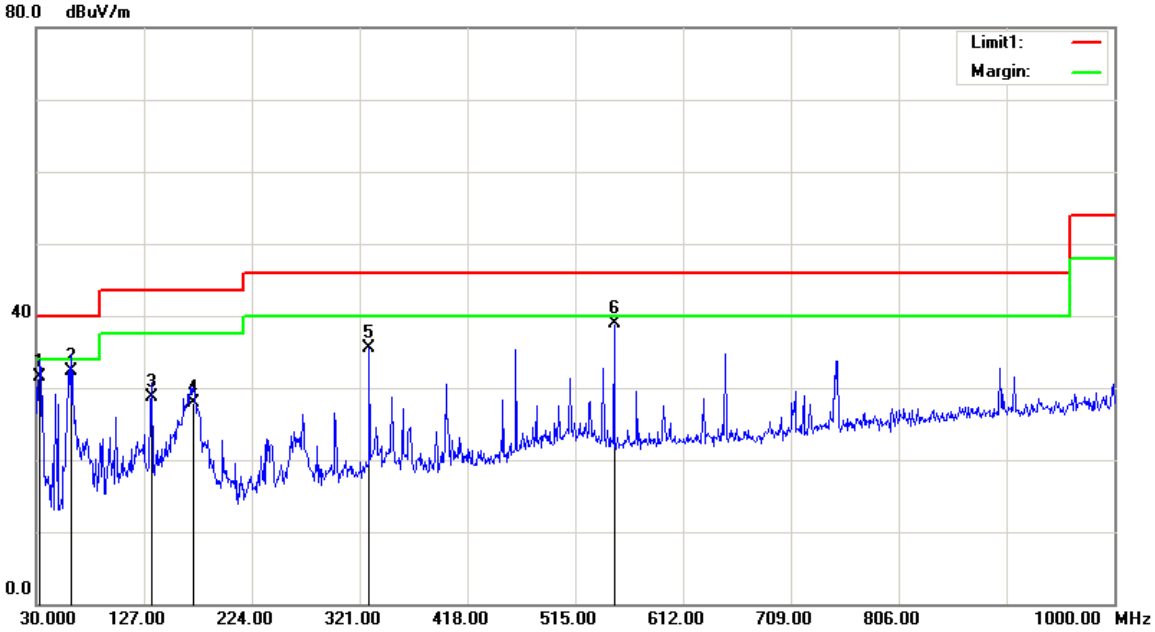
Horizontal:



Frequency (MHz)	Receiver Reading (dBµV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
165.8000	41.52	QP	-7.62	33.90	43.50	9.60
266.6800	39.45	QP	-6.25	33.20	46.00	12.80
329.7300	47.74	QP	-4.84	42.90	46.00	3.10*
359.8000	36.79	QP	-3.99	32.80	46.00	13.20
461.6500	38.46	QP	-1.96	36.50	46.00	9.50
549.9200	41.52	QP	-0.82	40.70	46.00	5.30*

*Within measurement uncertainty!

Vertical:

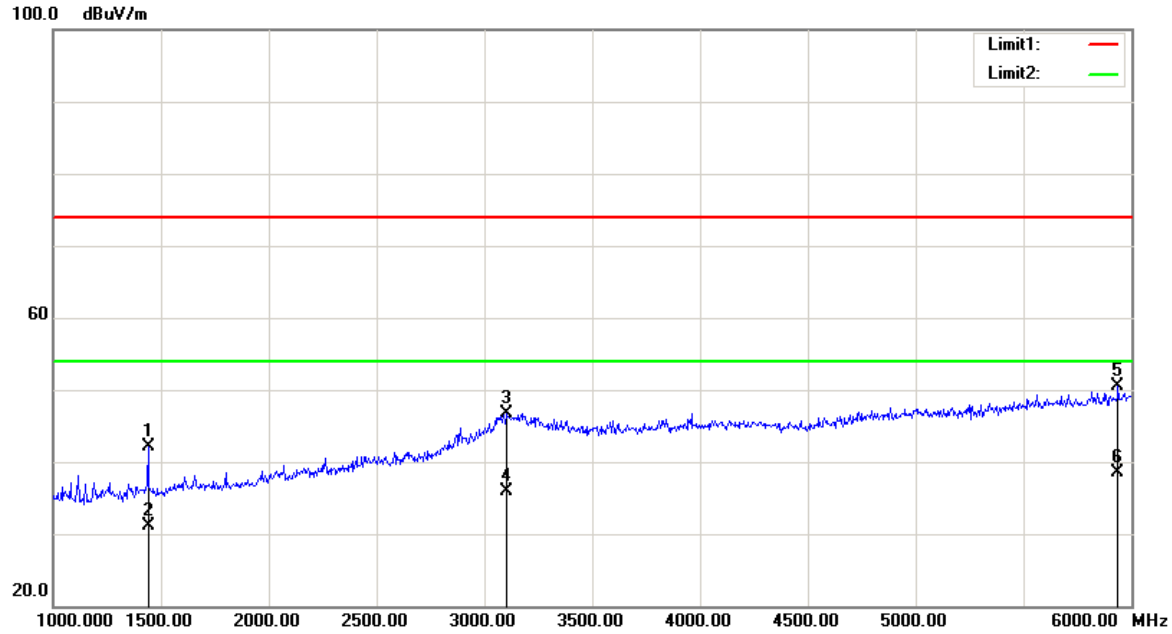


Frequency (MHz)	Receiver Reading (dBµV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
32.9100	32.14	QP	-0.64	31.50	40.00	8.50
62.0100	45.14	QP	-12.74	32.40	40.00	7.60
133.7900	35.02	QP	-6.32	28.70	43.50	14.80
171.6200	36.05	QP	-8.15	27.90	43.50	15.60
329.7300	40.44	QP	-4.84	35.60	46.00	10.40
549.9200	39.72	QP	-0.82	38.90	46.00	7.10

Test mode: Charging&Playing

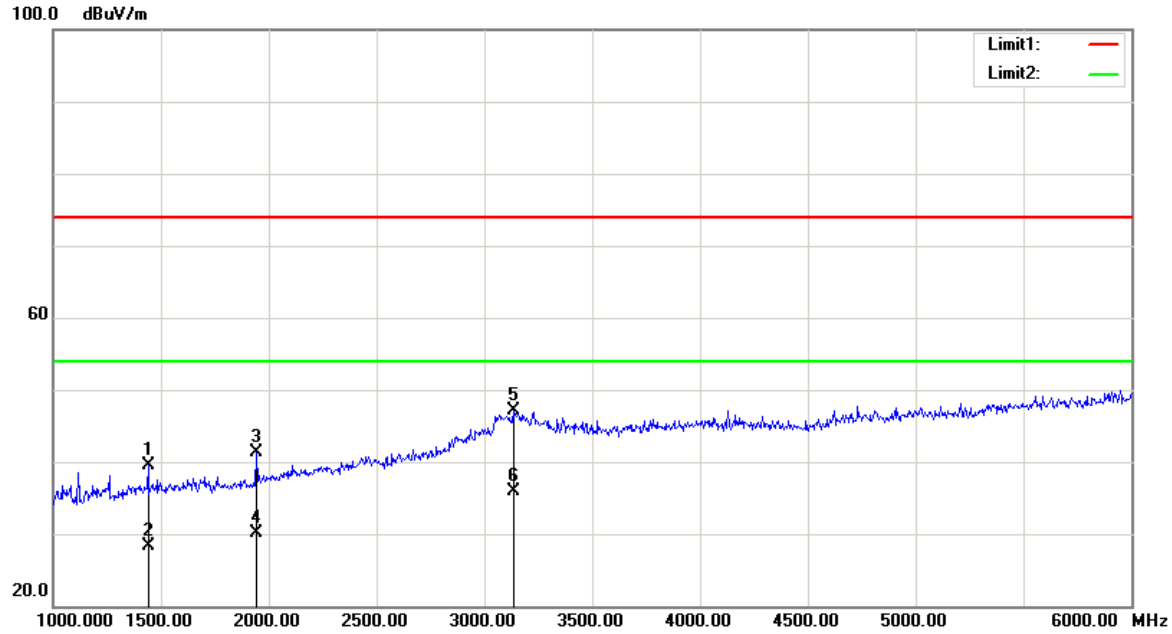
2) Above 1GHz:

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	42.62	peak	-0.49	42.13	74.00	31.87
1440.882	31.55	AVG	-0.49	31.06	54.00	22.94
3104.208	39.37	peak	7.43	46.80	74.00	27.20
3104.208	28.43	AVG	7.43	35.86	54.00	18.14
5939.880	38.61	peak	11.82	50.43	74.00	23.57
5939.880	26.68	AVG	11.82	38.50	54.00	15.50

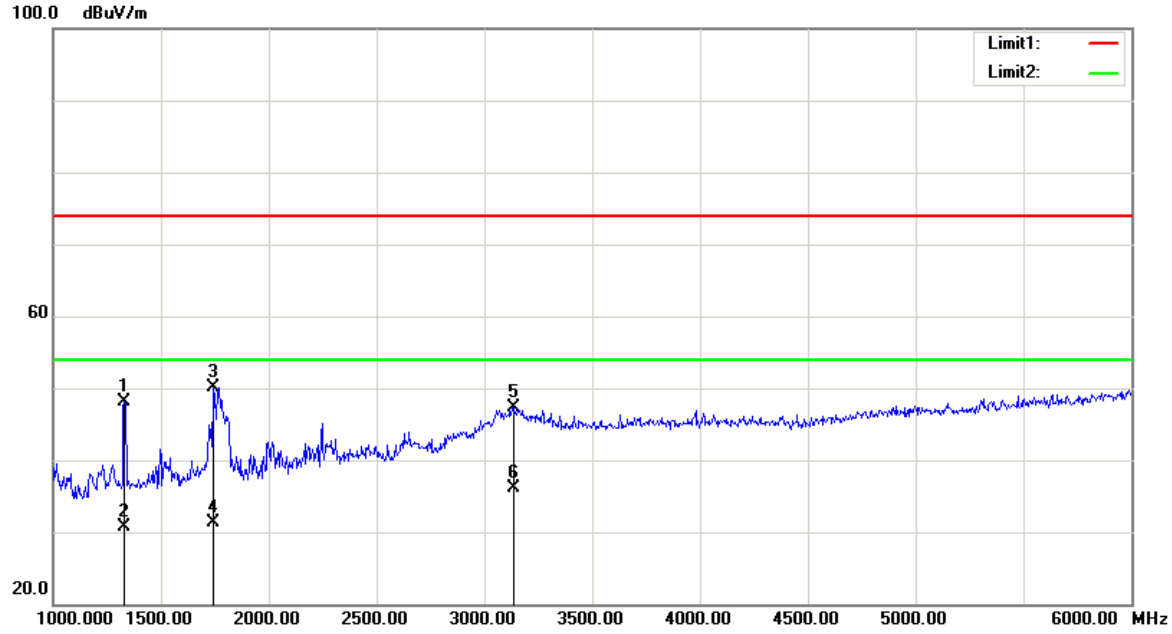
Vertical:



Frequency (MHz)	Receiver Reading (dBµV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1440.882	40.07	peak	-0.49	39.58	74.00	34.42
1440.882	28.85	AVG	-0.49	28.36	54.00	25.64
1941.884	40.25	peak	1.14	41.39	74.00	32.61
1941.884	28.93	AVG	1.14	30.07	54.00	23.93
3134.269	39.29	peak	7.72	47.01	74.00	26.99
3134.269	28.14	AVG	7.72	35.86	54.00	18.14

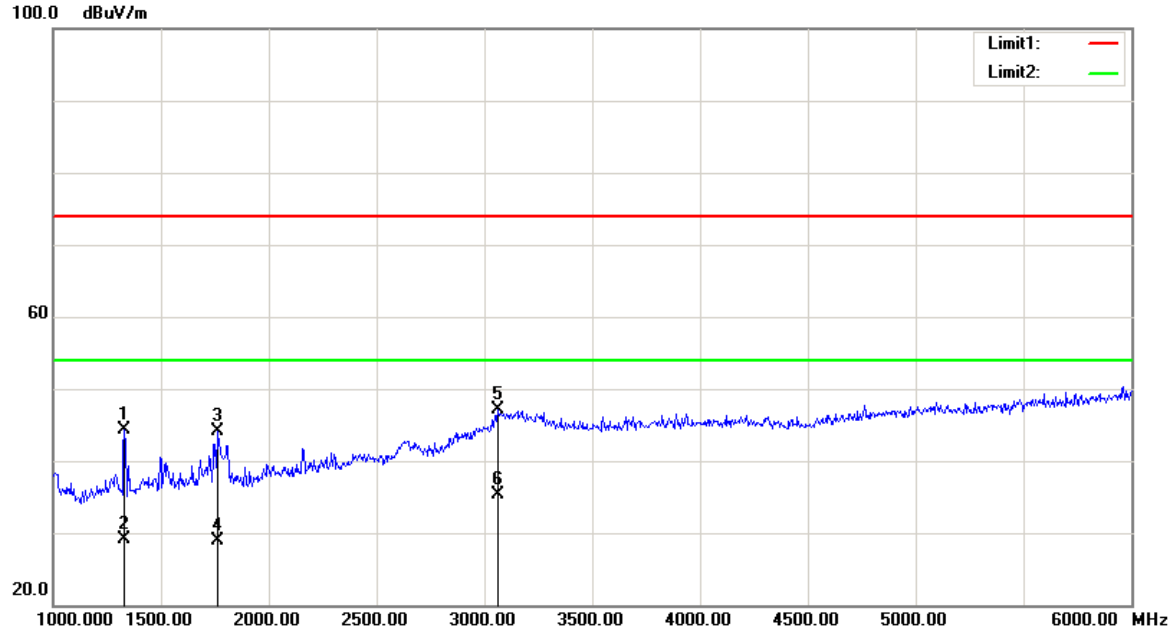
Test mode: Downloading

Horizontal:



Frequency (MHz)	Receiver Reading (dBµV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1330.661	49.06	peak	-1.04	48.02	74.00	25.98
1330.661	31.69	AVG	-1.04	30.65	54.00	23.35
1746.493	49.32	peak	0.77	50.09	74.00	23.91
1746.493	30.44	AVG	0.77	31.21	54.00	22.79
3134.269	39.62	peak	7.72	47.34	74.00	26.66
3134.269	28.41	AVG	7.72	36.13	54.00	17.87

Vertical:



Frequency (MHz)	Receiver Reading (dBµV)	Detector (PK/QP/Ave)	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1330.661	45.24	peak	-1.04	44.20	74.00	29.80
1330.661	30.15	AVG	-1.04	29.11	54.00	24.89
1761.523	43.35	peak	0.76	44.11	74.00	29.89
1761.523	28.13	AVG	0.76	28.89	54.00	25.11
3064.128	39.83	peak	7.19	47.02	74.00	26.98
3064.128	28.08	AVG	7.19	35.27	54.00	18.73

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