FCC PART 15 B

TEST REPORT

For

MAXWEST INTERNATIONAL LIMITED

No.1, Longgang Road, Buji, Longgang, ShenzhenCity, Guangdong Province, P.R. China

FCC ID: 2AEN3LUXPAD7

Report Type:	**Product Type:**
Original Report	Tablet

Test Engineer: Rocky Xiao

Report Number: RDG160419004-00C

Report Date: 2016-04-28

Reviewed By: Jerry Zhang, EMC Manager

Test Laboratory: Bay Area Compliance Laboratories Corp. (Dongguan)
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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The *MAXWEST INTERNATIONAL LIMITED*'s product, model number: *LuxPad Stream 7 (FCC ID: 2AEN3LUXPAD7)* (the "EUT") in this report was a *Tablet,* which was measured approximately:18.1 cm (L) x 12.1 cm (W) x 0.8 cm (H), rated input voltage: DC3.7V rechargeable Li-ion battery or DC5.0V charging from adapter. The highest operation frequency is 2480MHz.

Adapter information:
Model Name: LuxPad
Input: AC100-240V, 50/60 Hz 0.3A
Output: DC 5V, 2000mA

All measurement and test data in this report was gathered from production sample serial number: 160419004 (Assigned byBACL, Dongguan). The EUT was received on 2016-04-19.

Objective

This test report is prepared on behalf of *MAXWEST INTERNATIONAL LIMITED* 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 Part 15C DSS submissions with FCC ID: 2AEN3LUXPAD7.
FCC Part 15C DTS submissions with FCC ID: 2AEN3LUXPAD7.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, 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 06, 2015.

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

Description of Test Configuration

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

EUT Exercise Software

The software “winthrax.exe” was used during test.

Equipment Modifications

No modification was made to the EUT tested.

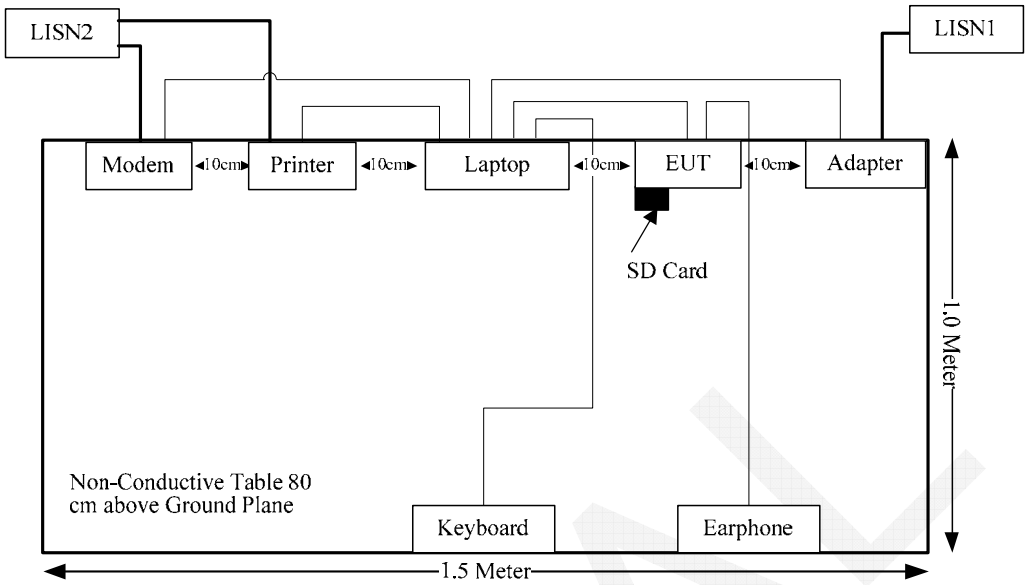
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
DELL	Laptop	PP11L	QDS-BRCM1017
HP	Printer	C3941A	JPTVOB2337
DELL	Keyboard	L100	CNORH656658907BL05DC
SAST	Modem	AEM-2100	0293
SAMSUNG	SD Card	N/A	N/A

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Serial Cable	yes	No	1.2	Serial Port of Laptop	Modem
Parallel Cable	yes	No	1.2	Parallel Port of Laptop	Printer
Keyboard Cable	yes	No	1.8	USB Port of Laptop	Keyboard
USB Cable	Yes	No	0.67	EUT	Laptop
DC Power Cable	Yes	Yes	2.0	Adapter	Laptop
Earphone	No	No	1.3	EUT	Earphone

Configuration of Test Setup



SUMMARY OF TEST RESULTS

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

FCC§15.107 - 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

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B 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 adapter of laptop was connected to a 120V/60Hz AC power source.

EMI Test Receiver Setup

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

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:

9.0 dB at **0.151200 MHz** in the **Neutral** conducted mode

Test Data

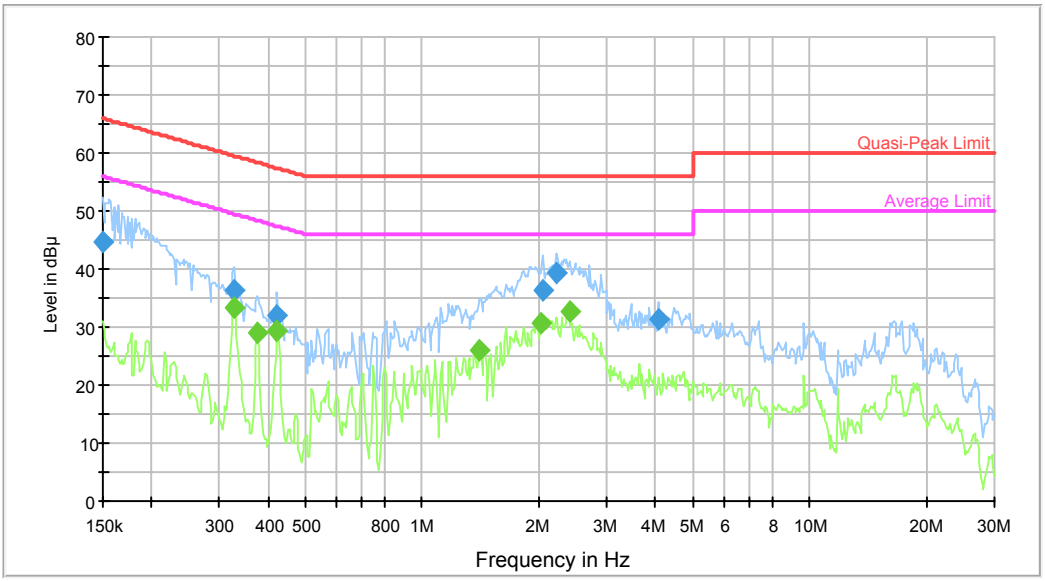
Environmental Conditions

Temperature:	27.6°C
Relative Humidity:	64 %
ATM Pressure:	100.4 kPa

The testing was performed by Rocky Xiao on 2016-04-26.

Test Mode: Downloading

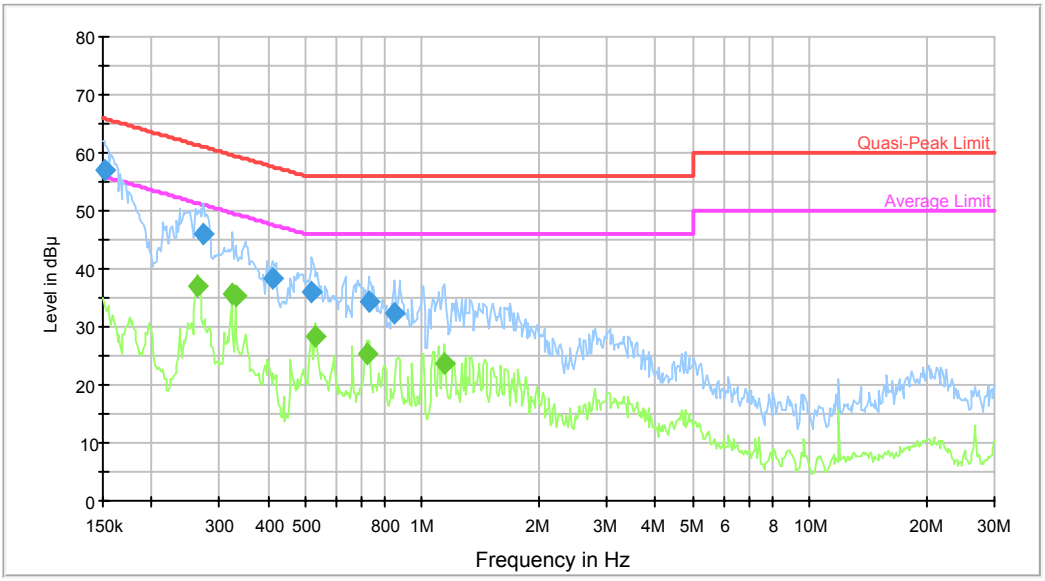
AC120V, 60Hz, Line:



Frequency (MHz)	Quasi Peak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	44.7	9.000	L1	10.2	21.3	66.0	Compliance
0.327509	36.5	9.000	L1	10.3	23.0	59.5	Compliance
0.422630	32.1	9.000	L1	10.2	25.3	57.4	Compliance
2.047133	36.2	9.000	L1	10.4	19.8	56.0	Compliance
2.216927	39.4	9.000	L1	10.4	16.6	56.0	Compliance
4.062112	31.4	9.000	L1	10.7	24.6	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.327509	33.2	9.000	L1	10.3	16.3	49.5	Compliance
0.375019	28.8	9.000	L1	10.3	19.6	48.4	Compliance
0.422630	29.3	9.000	L1	10.2	18.1	47.4	Compliance
1.407671	25.9	9.000	L1	10.4	20.1	46.0	Compliance
2.030886	30.6	9.000	L1	10.4	15.4	46.0	Compliance
2.400804	32.6	9.000	L1	10.4	13.4	46.0	Compliance

AC120V, 60Hz, Neutral:



Frequency (MHz)	Quasi Peak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.151200	56.9	9.000	N	10.2	9.0	65.9	Compliance
0.272666	46.0	9.000	N	10.2	15.0	61.0	Compliance
0.412647	38.2	9.000	N	10.2	19.4	57.6	Compliance
0.519918	35.9	9.000	N	10.1	20.1	56.0	Compliance
0.726569	34.3	9.000	N	10.4	21.7	56.0	Compliance
0.852094	32.4	9.000	N	10.3	23.6	56.0	Compliance

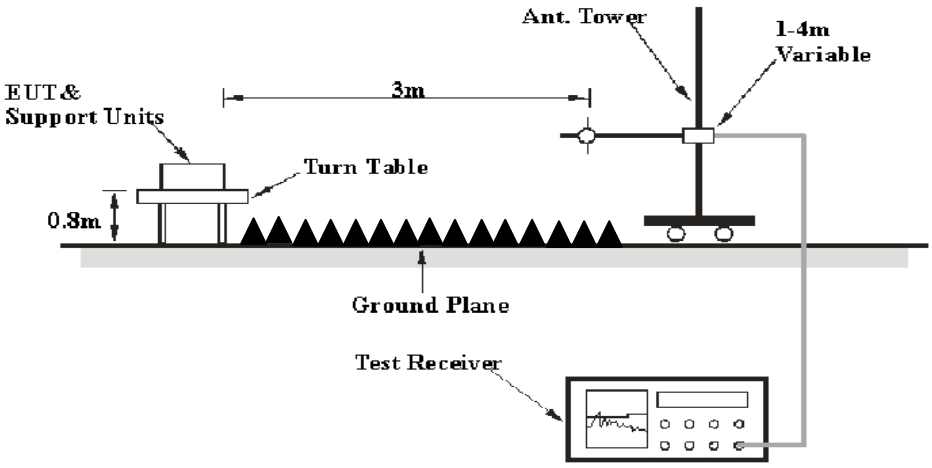
Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.264113	36.9	9.000	N	10.2	14.4	51.3	Compliance
0.322331	35.7	9.000	N	10.3	13.9	49.6	Compliance
0.330129	35.3	9.000	N	10.3	14.1	49.4	Compliance
0.532496	28.2	9.000	N	10.1	17.8	46.0	Compliance
0.720803	25.4	9.000	N	10.4	20.6	46.0	Compliance
1.144267	23.8	9.000	N	10.4	22.2	46.0	Compliance

FCC §15.109 - RADIATED SPURIOUS EMISSIONS

Measurement Uncertainty

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

Above 1GHz:



The radiated emission tests were performed in the 3 meters chamber test site, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 13 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	/	Peak
	1 MHz	10 Hz	/	AVG

Test Procedure

During the radiated emissions, the adapter of 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 the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

Test Equipment List and Details

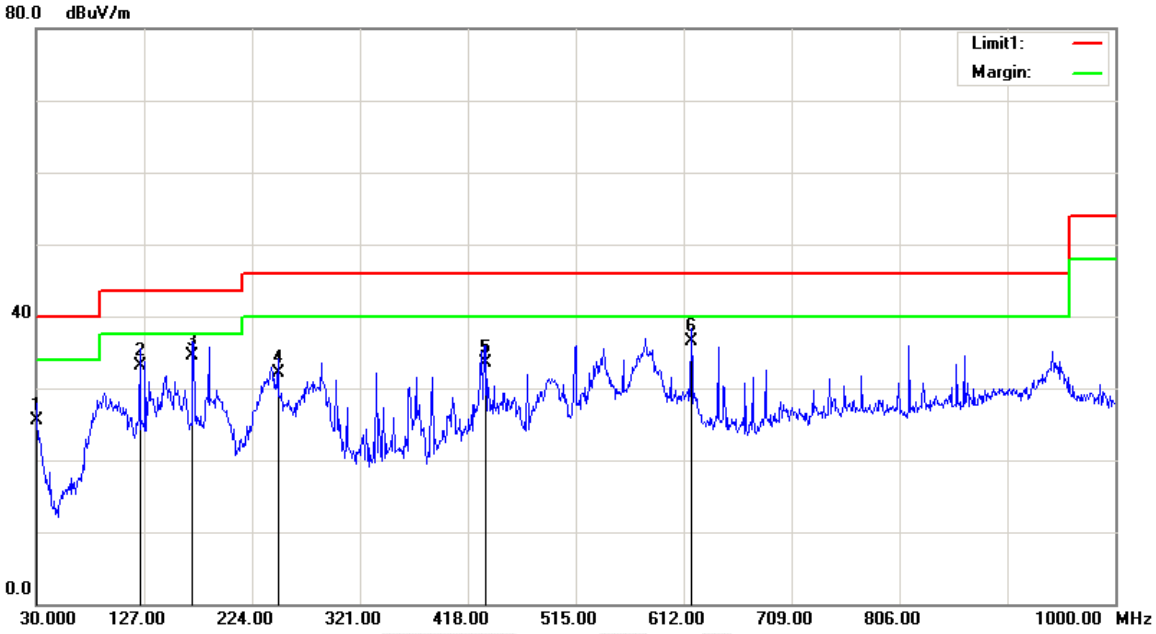
Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2015-08-03	2016-08-02
Sunol Sciences	Antenna	JB3	A060611-3	2014-11-06	2017-11-05
HP	Amplifier	8447E	2434A02181	2015-09-01	2016-09-01
Agilent	Spectrum Analyzer	E4440A	SG43360054	2015-11-23	2016-11-22
ETS-Lindgren	Horn Antenna	3115	9808-5557	2015-09-06	2018-09-06
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2016-02-19	2017-02-19
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A
N/A	Coaxial Cable	14m	N/A	2015-05-06	2016-05-06
N/A	Coaxial Cable	8m	N/A	2015-05-06	2016-05-06

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations

Test Mode: Downloading

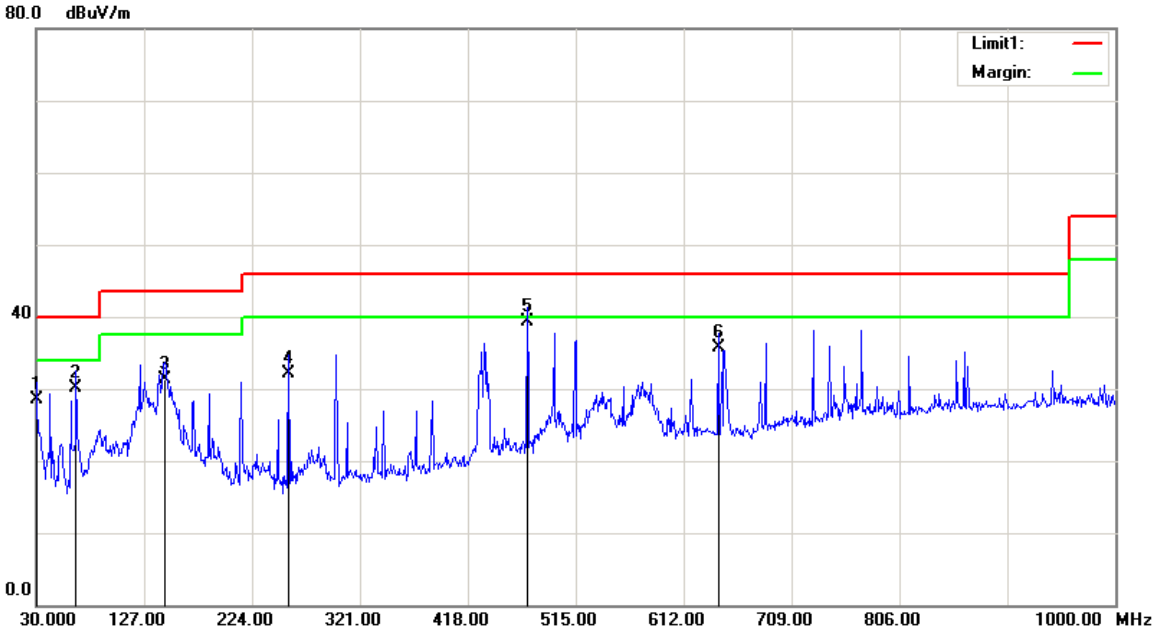
1) Below 1GHz:

Horizontal



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
30.0000	22.05	QP	3.45	25.50	40.00	14.50
123.1200	38.54	QP	-5.34	33.20	43.50	10.30
170.6500	42.56	QP	-7.96	34.60	43.50	8.90
247.2800	39.63	QP	-7.53	32.10	46.00	13.90
434.4900	36.41	QP	-2.91	33.50	46.00	12.50
618.7900	36.58	QP	0.02	36.60	46.00	9.40

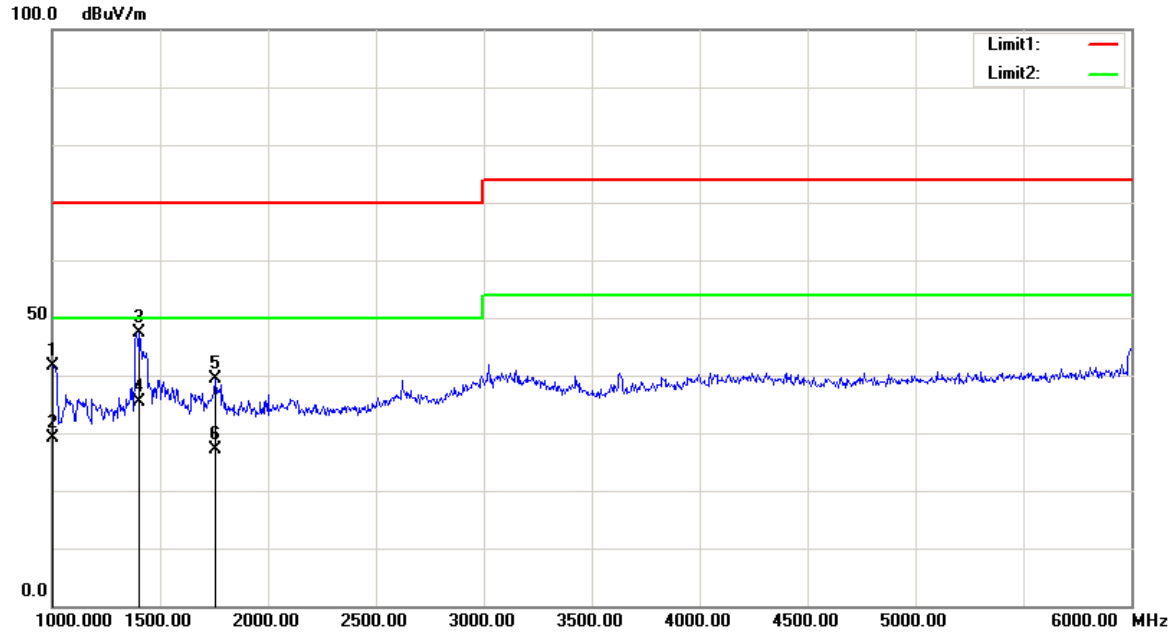
Vertical



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
30.0000	25.15	QP	3.45	28.60	40.00	11.40
65.8900	41.97	QP	-11.87	30.10	40.00	9.90
145.4300	38.18	QP	-6.78	31.40	43.50	12.10
256.9800	39.52	QP	-7.32	32.20	46.00	13.80
471.3500	41.05	QP	-1.65	39.40	46.00	6.60
643.0400	35.19	QP	0.51	35.70	46.00	10.30

2) Above 1GHz:

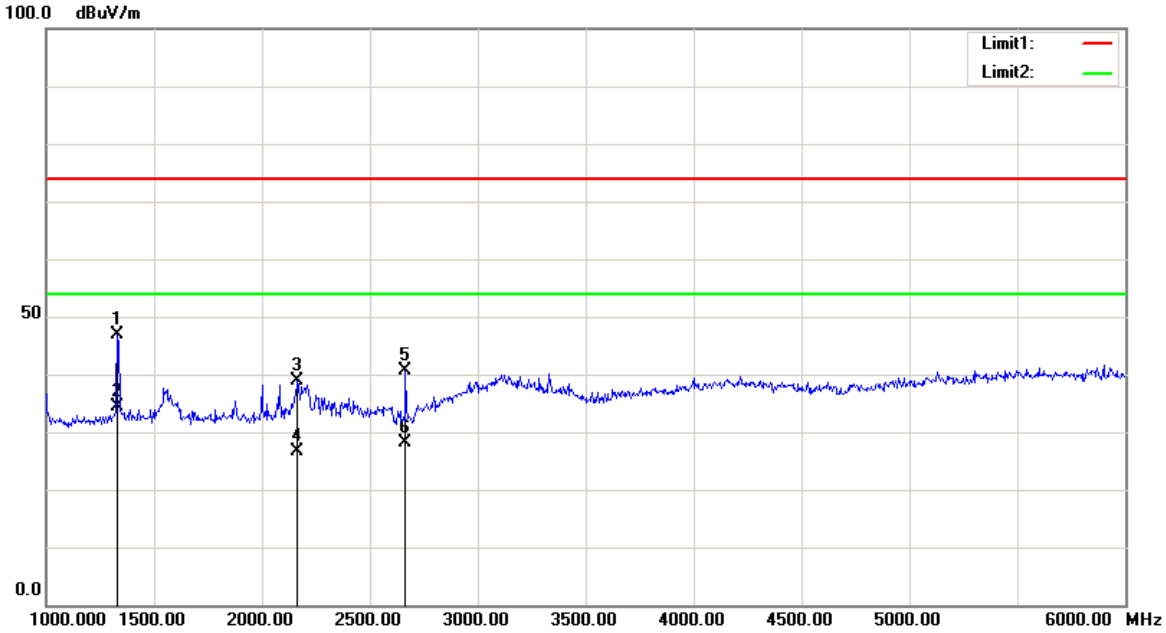
Horizontal



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1007.500	43.16	peak	-1.42	41.74	70.00	28.26
1007.500	30.65	AVG	-1.42	29.23	50.00	20.77
1407.500	48.06	peak	-0.65	47.41	70.00	22.59
1407.500	35.98	AVG	-0.65	35.33	50.00	14.67
1757.500	40.15	peak	-0.85	39.30	70.00	30.70
1757.500	28.09	AVG	-0.85	27.24	50.00	22.76

Note: No emission was detected in the range 6-13GHz.

Vertical



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1332.500	47.44	peak	-0.65	46.79	74.00	27.21
1332.500	34.98	AVG	-0.65	34.33	54.00	19.67
2165.000	38.02	peak	0.92	38.94	74.00	35.06
2165.000	25.83	AVG	0.92	26.75	54.00	27.25
2667.500	37.19	peak	3.54	40.73	74.00	33.27
2667.500	24.60	AVG	3.54	28.14	54.00	25.86

Note: No emission was detected in the range 6-13GHz.

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