FCC Test Report

FCC ID: 2ABES-GURUBOOK5

Original Grant

Report No.	:	TB-FCC140199
Applicant	:	Pathway Innovations and Technologies, Inc.
Equipment Under Test (EUT)		
EUT Name	:	Gurubook 5/MID
Model No.	:	Gurubook 5
Series Model No.	:	Gurubook 8, Gurubook 12, Gurubook 13, Gurubook 16
Brand Name	:	HoverCam
Receipt Date	:	2014-08-18
Test Date	:	2014-08-19 to 2014-09-05
Issue Date	:	2014-09-10
Standards	:	FCC Part 15: 2013, Subpart B, Class B
Test Method	:	ANSI C63.4-2003
Conclusions	:	**PASS**

In the configuration tested, the EUT complied with the standards specified above,
The EUT technically complies with the FCC requirements

Test/Witness Engineer : IVAN SU

Approved& Authorized :

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

1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, China
Tel: +86 75526509301 Fax: +86 75526509195

Comments

1. General Information about EUT

1.1 Client Information

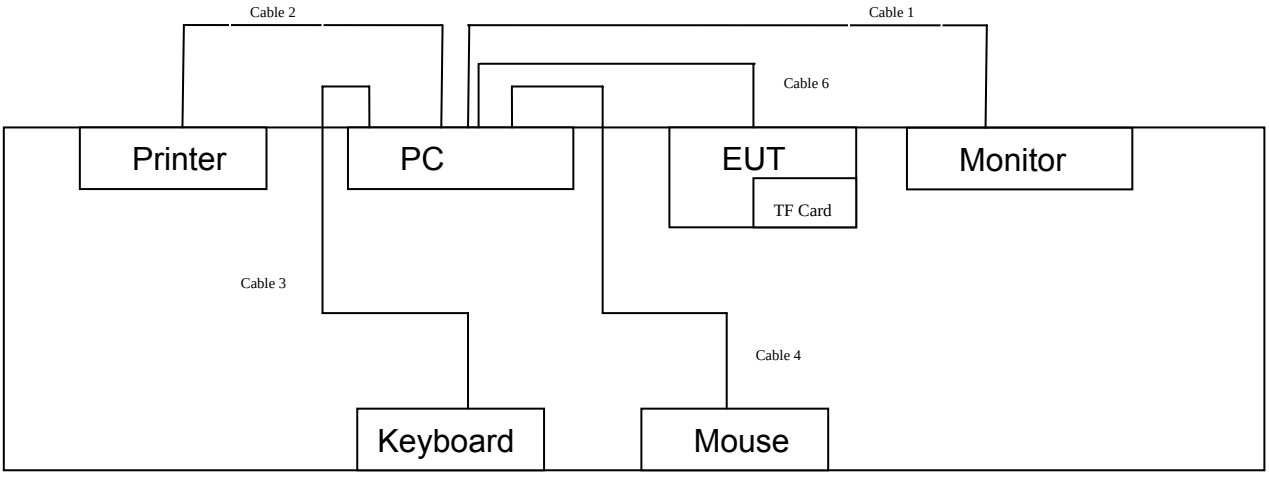
Applicant	:	Pathway Innovations and Technologies, Inc.
Address	:	9833 Pacific Heights Blvd., Suite D, San Diego, CA 92121
Manufacturer	:	ShenZhen KerunVisual Technology Co., LTD.
Address	:	6th Floor Building 2, District 2, South Honghualing Industrial Zone, No.1213 Liuxian Road, Nanshan Branch, Shenzhen City, Guangdong, China

1.2 General Description of EUT (Equipment Under Test)

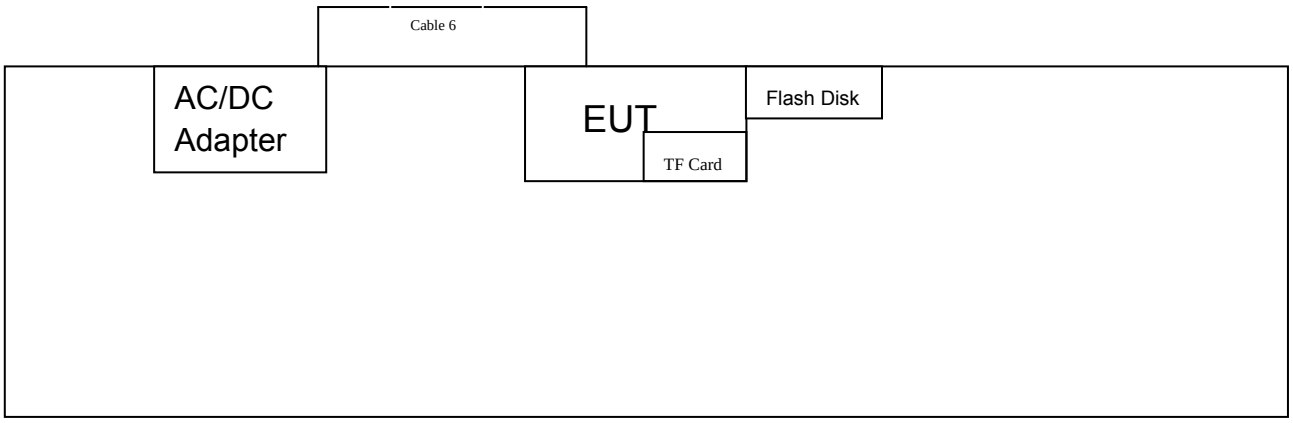
EUT Name	:	Gurubook 5/MID
Model No.	:	Gurubook 5, Gurubook 8, Gurubook 12, Gurubook 13, Gurubook 16
Model difference	:	All models are identical in the same PCB layout, interior structure and electrical circuits, The only difference is model name for commercial purpose.
Power Supply	:	DC power supplied by AC/DC Adapter DC Voltage supplied from Li-Polymer battery.
Power Rating	:	AC/DC Adapter: Input: AC 100~240V 50/60Hz 0.35A Output: DC 5V 2A DC 3.7V 2800mAh from Li-ion battery
Connecting I/O Port(s)	:	The equipent have USB port for link with PC.
Note: The equipment have WiFi (802.11b/g/n) and Bluetooth function, WIFI and Bluetooth have test comply with FCC Part 15C Rules. More detailed features description, please refer to the manufacturer's specifications or the User's Manual.		

1.3 Block Diagram Showing the Configuration of System Tested

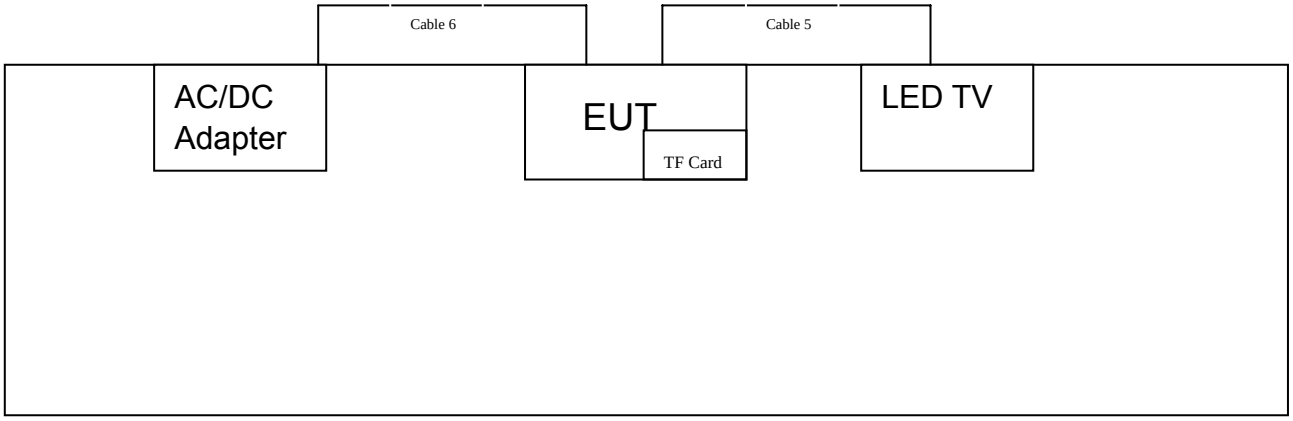
USB Charging with loading to PC



AC Charging with USB Reading



AC Charging with HDMI Mode



1.4 Description of Support Units

Equipment Information				
Name	**Model**	**FCC ID/DOC**	**Manufacturer**	**Used "√"**
Printer	HP1505n	DOC	HP	√
LCD Monitor	E170Sc	DOC	DELL	√
PC	OPTIPLEX380	DOC	DELL	√
Keyboard	L100	DOC	DELL	√
Mouse	M-UARDEL7	DOC	DELL	√
TF Card	1GB	DOC	Kingston	√
Flash Disk	2GB	DOC	Kingston	√
LED TV	24PFL3545/T3	VOC	PHILIPS	
Cable Information				
Number	**Shielded Type**	**Ferrite Core**	**Length**	**Note**
Cable 1	YES	YES(2)	1.8M	
Cable 2	YES	YES(1)	2.0M	
Cable 3	YES	NO	1.5M	
Cable 4	YES	NO	1.5M	
Cable 5	YES	NO	1.8M	
Cable 6	NO	NO	1.0M	Accessories

1.5 Description of Test Mode

Mode	Description
Mode 1	AC Charging with USB and TF Card Reading
Mode 2	USB Charging and Loading with PC
Mode 3	AC Charging with Camera working
Mode 4	AC Charging with HDMI Mode
Mode 5	AC Charging with WiFi Link
Mode 6	AC Charging with Bluetooth Link

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of the EUT operation mode, and the maximum emission levels of the conducted and radiated emissions are compared to the FCC Part 15 Subpart B (Class B) limits.

Note: The test results for EUT's RF functions are contained in another Certification Report.

1.6 Test Facility

The testing was performed by the Shenzhen Toby Technology Co., Ltd., in their facilities located at:

1A/F., Bldg.6, Yusheng Industrial Zone, The National Road No.107 Xixiang Section 467, Xixiang, Bao'an, Shenzhen, Guangdong, China.

At the time of testing, the following bodies accredited the Laboratory:

The Laboratory has been accredited by CNAS to ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories for the competence in the field of testing. And the Registration No.: CNAS L5813.

The Laboratory is listed in the United States of American Federal Communications Commission (FCC), and the registration number is 811562.

2. Test Summary

FCC Part15, Subpart B				
Section	**Test Method**	**Test Item**	**Limit**	**Judgment**
15.109	ANSI C63.4:2003	Radiated Emission	Class B	PASS
15.107	ANSI C63.4:2003	Conducted Emission (150 kHz to 30MHz)	Class B	PASS
Note: N/A is an abbreviation for Not Applicable.				

3. Conducted Emission Test

3.1 Test Standard and Limit

3.1.1Test Standard

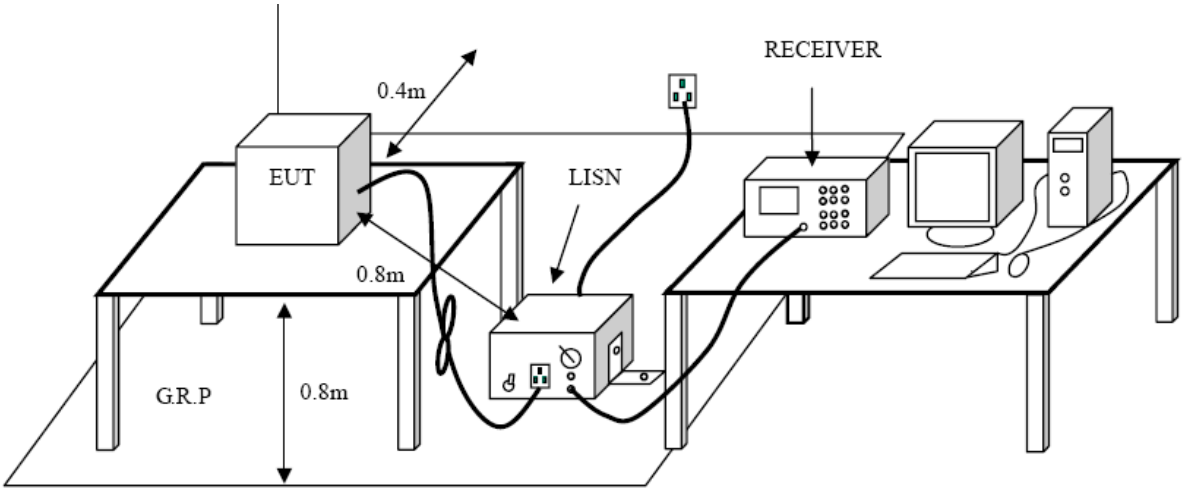
FCC Part 15.107

3.1.2 Test Limit

Conducted Emission Test Limit

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak Level	Average Level
0.15~0.5	66 ~ 56 *	56 ~ 46 *
0.5~5.0	56.00	46.00
5.0~30.0	60.00	50.00
Notes:(1) *Decreasing linearly with logarithm of the frequency. (2) The lower limit shall apply at the transition frequencies.		

3.2 Test Setup



3.3 Test Procedure

The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.

Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.

I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance.

The overall length shall not exceed 1 m.

LISN at least 80 cm from nearest part of EUT chassis.

The bandwidth of EMI test receiver is set at 9kHz, and the test frequency band is from 0.15MHz to 30MHz.

For the actual test configuration, please refer to the EUT test Photos.

3.4 Test Equipment Used

Description	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due Date
EMI Test Receiver	ROHDE& SCHWARZ	ESCI	100321	Aug. 08, 2014	Aug. 07, 2015
50ΩCoaxial Switch	Anritsu	MP59B	X10321	Aug. 08, 2014	Aug. 07, 2015
L.I.S.N	Rohde & Schwarz	ENV216	101131	Aug. 08, 2014	Aug. 07, 2015
L.I.S.N	SCHWARZBECK	NNBL 8226-2	8226-2/164	Aug. 08, 2014	Aug. 07, 2015

3.5 EUT Operating Mode

(1) Setup the EUT and peripherals refer to the description of test mode.

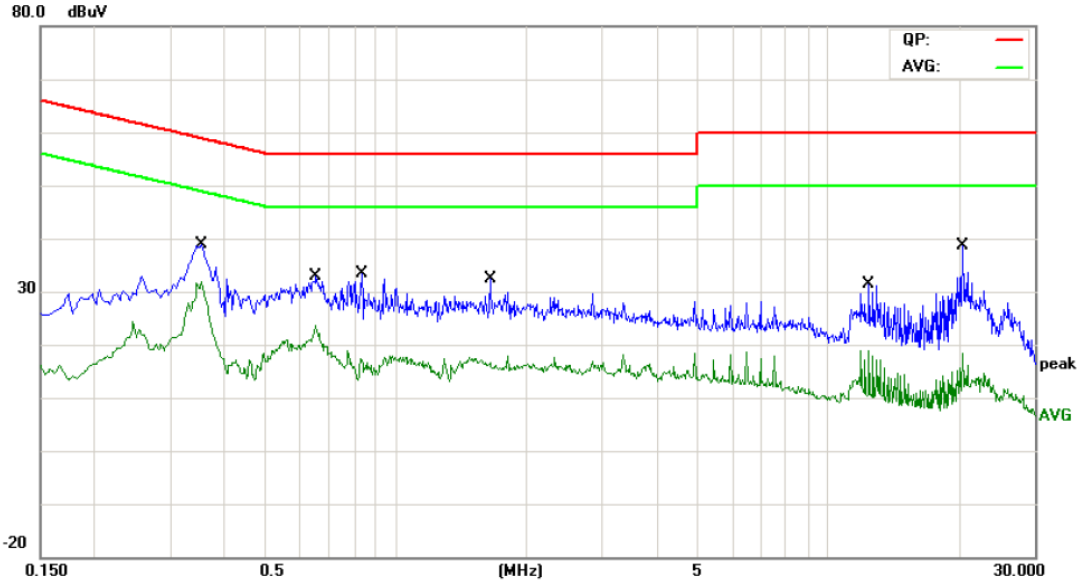
3.6 Deviation

The test is no deviation from the standard.

3.7 Test Data

Please see the next page.

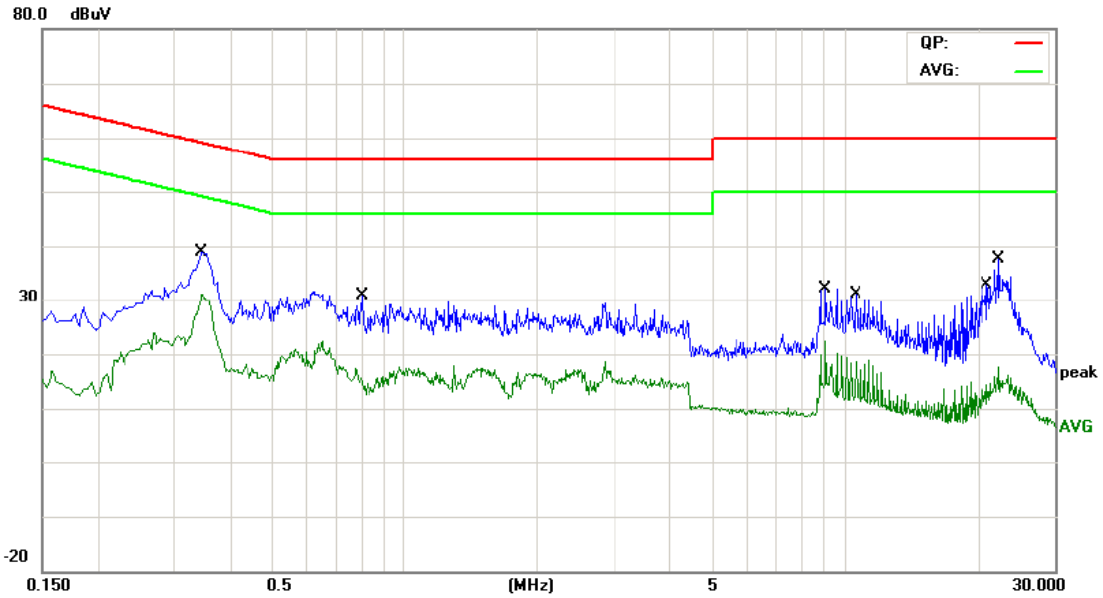
EUT:	Gurubook 5/MID	Model Name :	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Line		
Test Mode:	Mode 1: AC Charging with USB and TF Card Reading		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3540	29.19	10.02	39.21	58.87	-19.66	QP	
2		0.3540	23.76	10.02	33.78	48.87	-15.09	AVG	
3		0.6540	25.37	10.10	35.47	56.00	-20.53	QP	
4		0.6540	17.54	10.10	27.64	46.00	-18.36	AVG	
5		0.8340	30.33	10.09	40.42	56.00	-15.58	QP	
6	*	0.8340	21.47	10.09	31.56	46.00	-14.44	AVG	
7		1.6460	26.95	10.06	37.01	56.00	-18.99	QP	
8		1.6460	20.15	10.06	30.21	46.00	-15.79	AVG	
9		12.4060	4.70	10.21	14.91	60.00	-45.09	QP	
10		12.4060	-0.68	10.21	9.53	50.00	-40.47	AVG	
11		20.4180	7.17	10.16	17.33	60.00	-42.67	QP	
12		20.4180	-0.40	10.16	9.76	50.00	-40.24	AVG	

Emission Level= Read Level+ Correct Factor

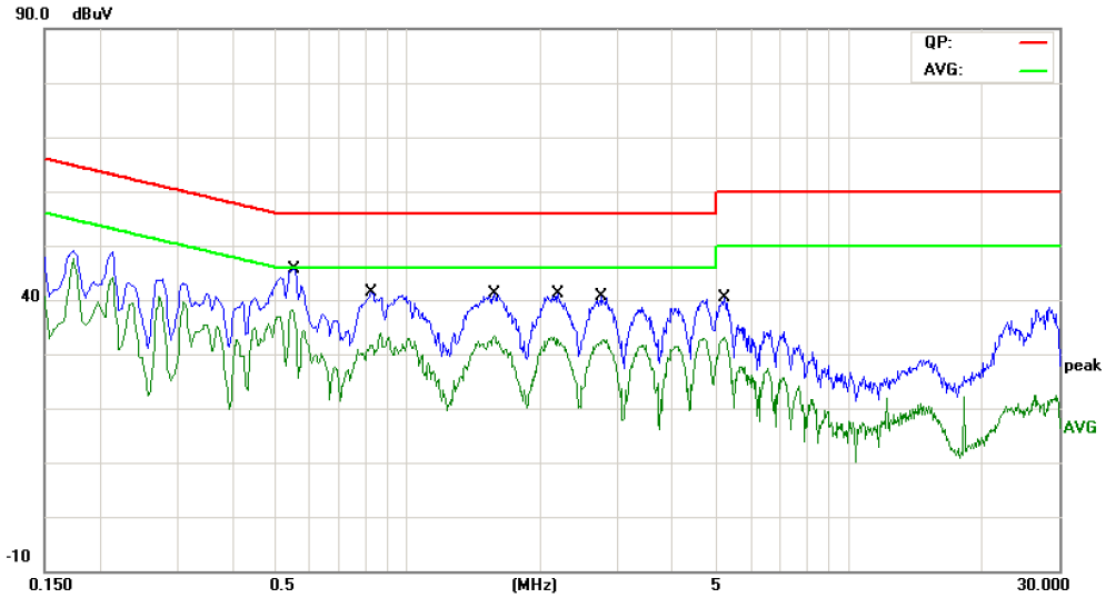
EUT:	Gurubook 5/MID	**Model Name :**	GURUBOOK5
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Neutral		
Test Mode:	Mode 1: AC Charging with USB and TF Card Reading		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3460	27.51	10.07	37.58	59.06	-21.48	QP	
2	*	0.3460	25.23	10.07	35.30	49.06	-13.76	AVG	
3		0.7980	28.41	10.07	38.48	56.00	-17.52	QP	
4		0.7980	19.31	10.07	29.38	46.00	-16.62	AVG	
5		9.0540	10.08	10.13	20.21	60.00	-39.79	QP	
6		9.0540	4.91	10.13	15.04	50.00	-34.96	AVG	
7		10.5980	7.16	10.15	17.31	60.00	-42.69	QP	
8		10.5980	1.51	10.15	11.66	50.00	-38.34	AVG	
9		20.9340	8.31	10.06	18.37	60.00	-41.63	QP	
10		20.9340	0.20	10.06	10.26	50.00	-39.74	AVG	
11		22.4900	16.13	10.06	26.19	60.00	-33.81	QP	
12		22.4900	5.17	10.06	15.23	50.00	-34.77	AVG	

Emission Level= Read Level+ Correct Factor

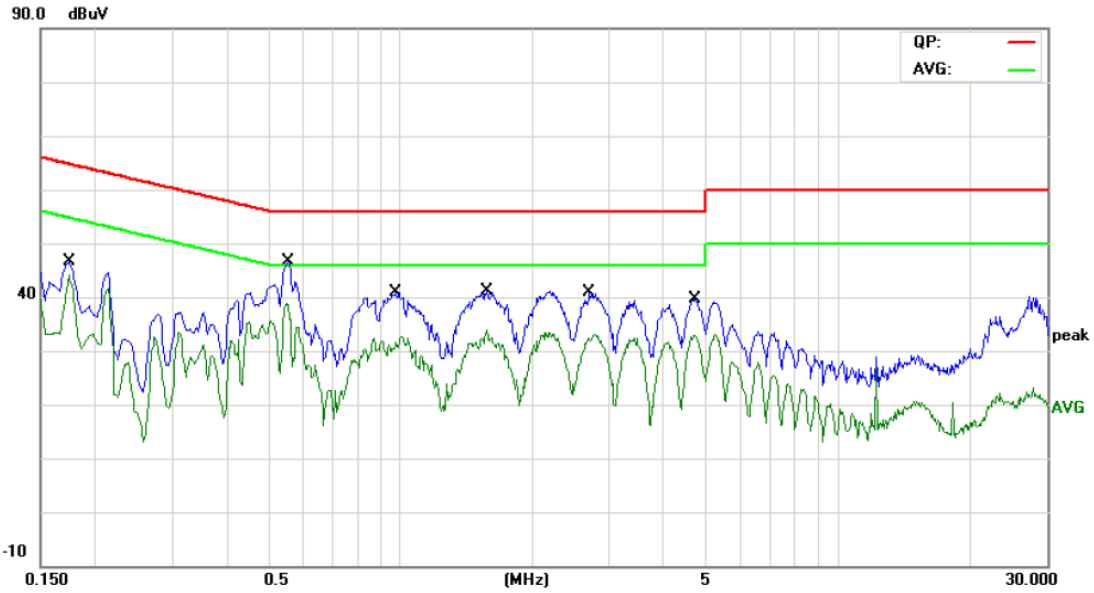
EUT:	Gurubook 5/MID	Model Name :	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Line		
Test Mode:	Mode 2: USB Charging and Loading with PC		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5540	35.02	10.05	45.07	56.00	-10.93	QP	
2	*	0.5540	27.27	10.05	37.32	46.00	-8.68	AVG	
3		0.8300	30.37	10.09	40.46	56.00	-15.54	QP	
4		0.8300	21.75	10.09	31.84	46.00	-14.16	AVG	
5		1.5700	28.51	10.06	38.57	56.00	-17.43	QP	
6		1.5700	23.44	10.06	33.50	46.00	-12.50	AVG	
7		2.1980	27.11	10.05	37.16	56.00	-18.84	QP	
8		2.1980	22.02	10.05	32.07	46.00	-13.93	AVG	
9		2.7620	27.22	10.03	37.25	56.00	-18.75	QP	
10		2.7620	22.09	10.03	32.12	46.00	-13.88	AVG	
11		5.2340	26.36	9.97	36.33	60.00	-23.67	QP	
12		5.2340	22.92	9.97	32.89	50.00	-17.11	AVG	

Emission Level= Read Level+ Correct Factor

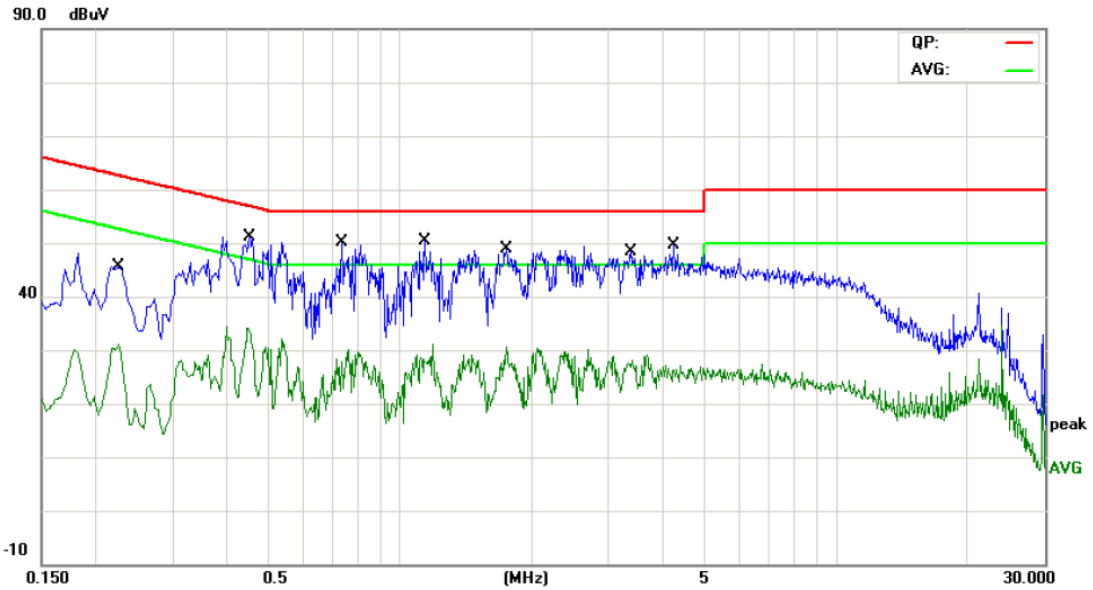
EUT:	Gurubook 5/MID	Model Name :	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Neutral		
Test Mode:	Mode 2: USB Charging and Loading with PC		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1740	34.66	10.12	44.78	64.76	-19.98	QP	
2		0.1740	33.93	10.12	44.05	54.76	-10.71	AVG	
3		0.5540	36.07	10.02	46.09	56.00	-9.91	QP	
4	*	0.5540	28.31	10.02	38.33	46.00	-7.67	AVG	
5		0.9780	28.87	10.15	39.02	56.00	-16.98	QP	
6		0.9780	21.28	10.15	31.43	46.00	-14.57	AVG	
7		1.5740	29.04	10.10	39.14	56.00	-16.86	QP	
8		1.5740	23.30	10.10	33.40	46.00	-12.60	AVG	
9		2.7020	25.96	10.06	36.02	56.00	-19.98	QP	
10		2.7020	21.95	10.06	32.01	46.00	-13.99	AVG	
11		4.6979	26.30	10.06	36.36	56.00	-19.64	QP	
12		4.6979	22.74	10.06	32.80	46.00	-13.20	AVG	

Emission Level= Read Level+ Correct Factor

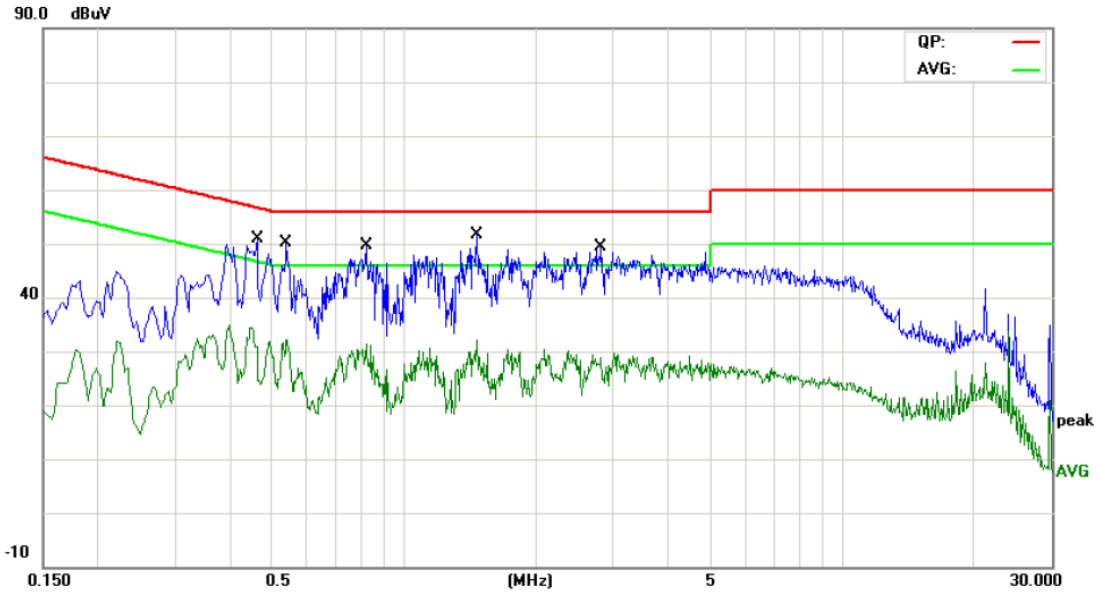
EUT:	Gurubook 5/MID	Model Name :	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Line		
Test Mode:	Mode 4: AC Charging with HDMI Mode		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2260	31.98	10.02	42.00	62.59	-20.59	QP	
2		0.2260	20.54	10.02	30.56	52.59	-22.03	AVG	
3	*	0.4500	35.93	10.02	45.95	56.87	-10.92	QP	
4		0.4500	22.23	10.02	32.25	46.87	-14.62	AVG	
5		0.7340	29.92	10.11	40.03	56.00	-15.97	QP	
6		0.7340	14.28	10.11	24.39	46.00	-21.61	AVG	
7		1.1380	33.23	10.06	43.29	56.00	-12.71	QP	
8		1.1380	17.55	10.06	27.61	46.00	-18.39	AVG	
9		1.7460	32.53	10.06	42.59	56.00	-13.41	QP	
10		1.7460	17.08	10.06	27.14	46.00	-18.86	AVG	
11		3.3780	30.91	10.01	40.92	56.00	-15.08	QP	
12		3.3780	15.72	10.01	25.73	46.00	-20.27	AVG	

Emission Level= Read Level+ Correct Factor

EUT:	Gurubook 5/MID	**Model Name :**	GURUBOOK5
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60 Hz		
Terminal:	Neutral		
Test Mode:	Mode 4: AC Charging with HDMI Mode		
Remark:	Only worse case is reported		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.4620	30.95	10.02	40.97	56.66	-15.69	QP	
2		0.4620	30.90	10.02	40.92	56.66	-15.74	QP	
3		0.4620	16.65	10.02	26.67	46.66	-19.99	AVG	
4		0.4620	16.64	10.02	26.66	46.66	-20.00	AVG	
5	*	0.5380	33.52	10.04	43.56	56.00	-12.44	QP	
6		0.5380	20.55	10.04	30.59	46.00	-15.41	AVG	
7		0.8180	33.00	10.10	43.10	56.00	-12.90	QP	
8		0.8180	18.36	10.10	28.46	46.00	-17.54	AVG	
9		1.4700	32.55	10.06	42.61	56.00	-13.39	QP	
10		1.4700	17.62	10.06	27.68	46.00	-18.32	AVG	
11		2.8140	30.45	10.03	40.48	56.00	-15.52	QP	
12		2.8140	15.59	10.03	25.62	46.00	-20.38	AVG	

Emission Level= Read Level+ Correct Factor

4. Radiated Emission Test

4.1 Test Standard and Limit

4.1.1 Test Standard

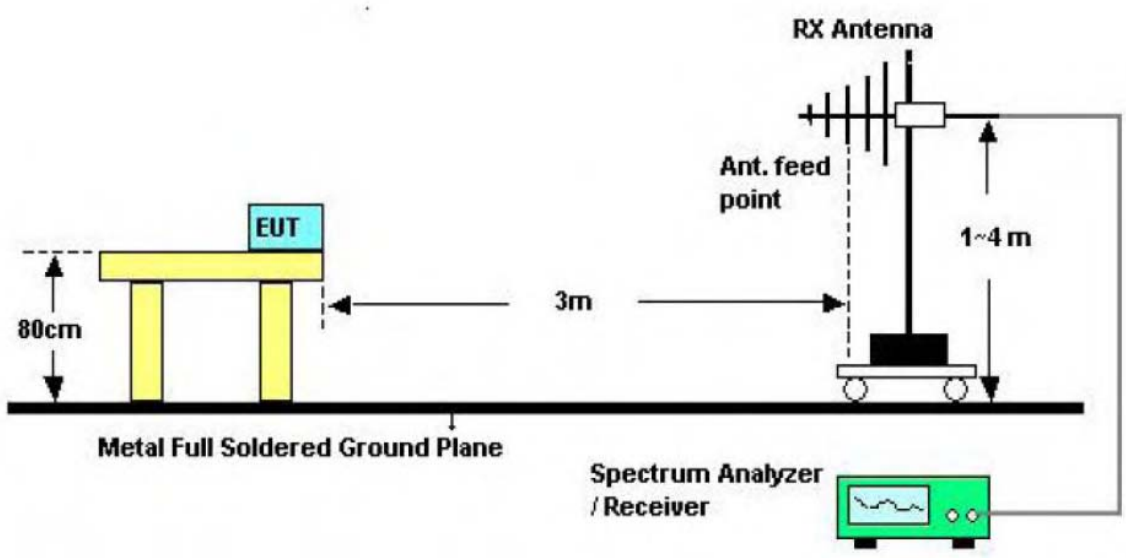
FCC Part 15.109

4.1.2 Test Limit

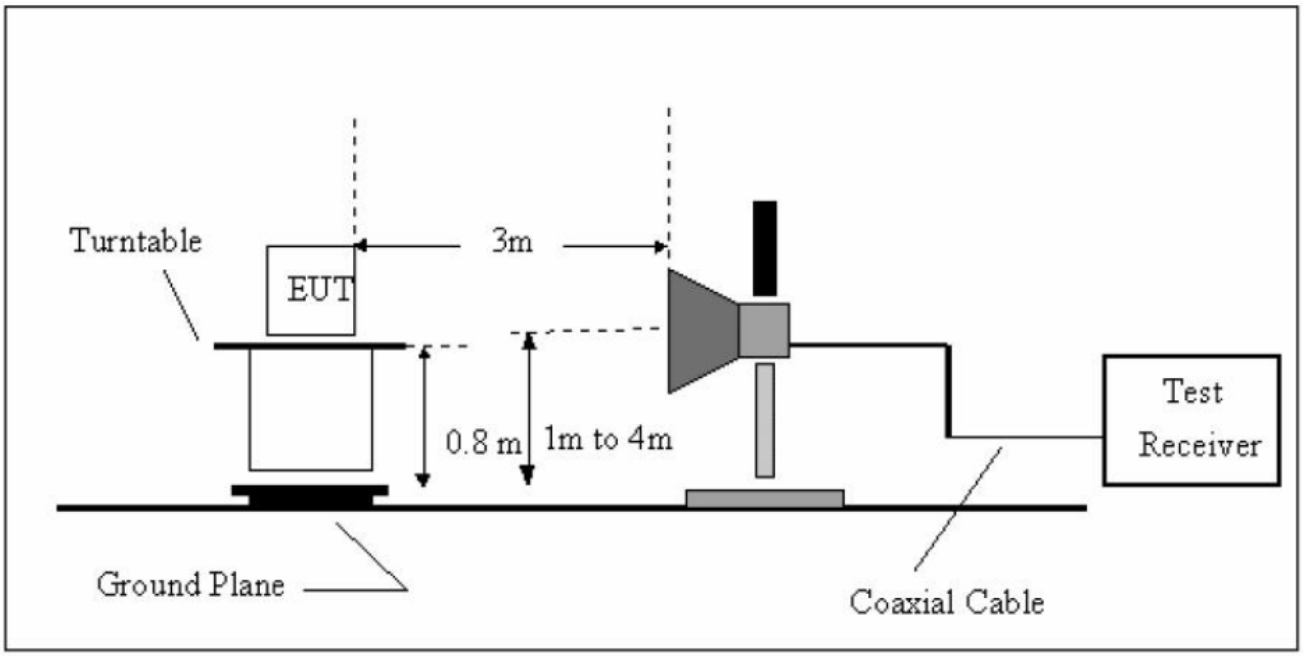
Radiated Emission Limit

Frequency (MHz)	Field Strength (dBuV/m)	Measurement Distance (meters)
30~88	40	3
88~216	43.5	3
216~960	46	3
Above 960	54	3
Note: Emission Level(dBuV/m)=20log Emission Level(uV/m)		

4.2 Test Setup



30MHz to 1000MHz Test Setup



Above 1GHz Test Setup

4.3 Test Procedure

(1) The measuring distance of 3m shall be used for measurements at frequency from 30MHz up to1GHz.
(2) The EUT was placed on the top of a rotating table 0.8 meters above the ground. The table was rotated 360 degrees to determine the position of the highest radiation.
(3) The height of the equipment or of the substitution antenna shall be 0.8m, the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
(4) The initial step in collecting radiated emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
(5) If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
(6) Testing frequency range below 1GHz the measuring instrument use VBW=120 kHz with Quasi-peak detection.
(7) Testing frequency range above 1GHz the measuring instrument use RBW=1 MHz and VBW=3 MHz with Peak Detector for Peak Values, and use RBW=1 MHz and VBW=10 Hz with Peak Detector for Average Values.
(8) For more details, please refer to the EUT Test Photos.

4.4 Test Equipment

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due Date

Spectrum Analyzer	Agilent	E4407B	MY45106456	Mar. 20, 2014	Mar. 19, 2015
Spectrum Analyzer	Rohde & Schwarz	FSP30	DE25181	Aug. 08, 2014	Aug. 07, 2015
EMI Test Receiver	Rohde & Schwarz	ESCI	101165	Aug. 08, 2014	Aug. 07, 2015
Bilog Antenna	ETS-LINDGREN	3142E	00117537	Mar. 07, 2014	Mar.06, 2015
Bilog Antenna	ETS-LINDGREN	3142E	00117542	Mar. 07, 2014	Mar.06, 2015
Horn Antenna	ETS-LINDGREN	3117	00143207	Mar. 07, 2014	Mar.06, 2015
Horn Antenna	ETS-LINDGREN	3117	00143209	Mar. 07, 2014	Mar.06, 2015
Pre-amplifier	HP	11909A	185903	Mar. 07, 2014	Mar.06, 2015
Pre-amplifier	HP	8447B	3008A00849	Mar. 07, 2014	Mar.06, 2015
Cable	HUBER+SUHNER	100	SUCOFLEX	Mar. 07, 2014	Mar.06, 2015
Signal Generator	Rohde & Schwarz	SML03	IKW682-054	Feb. 11, 2014	Feb.10, 2015
Positioning Controller	ETS-LINDGREN	2090	N/A	N/A	N/A

4.5 EUT Operating Condition

(1) Setup the EUT and peripherals refer to the description of test mode.

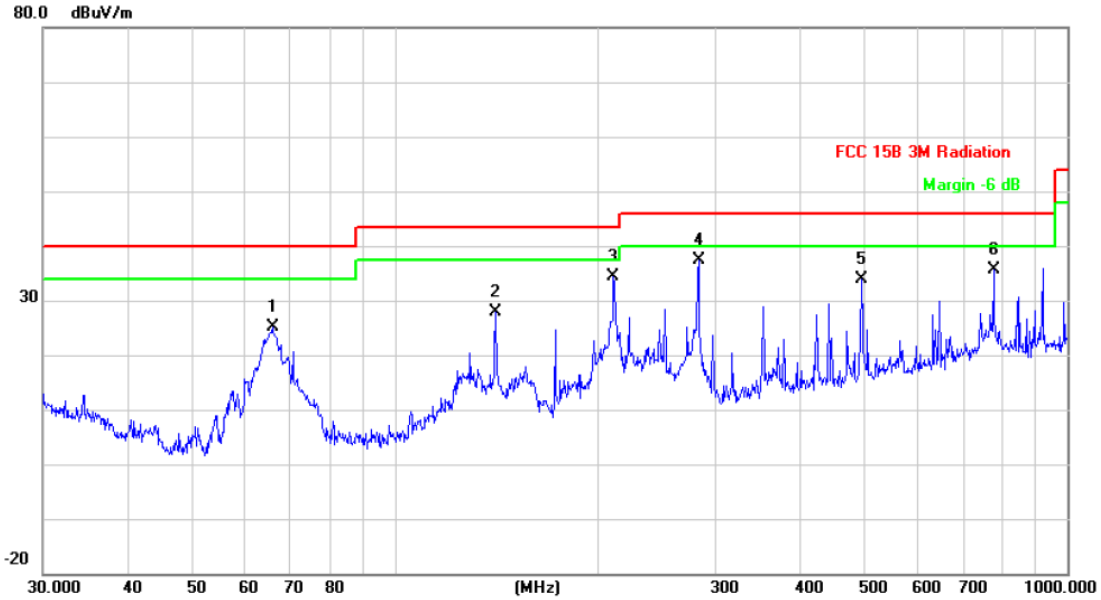
4.6 Deviation

The test is no deviation from the standard.

4.7 Test Data

Below 1 GHz

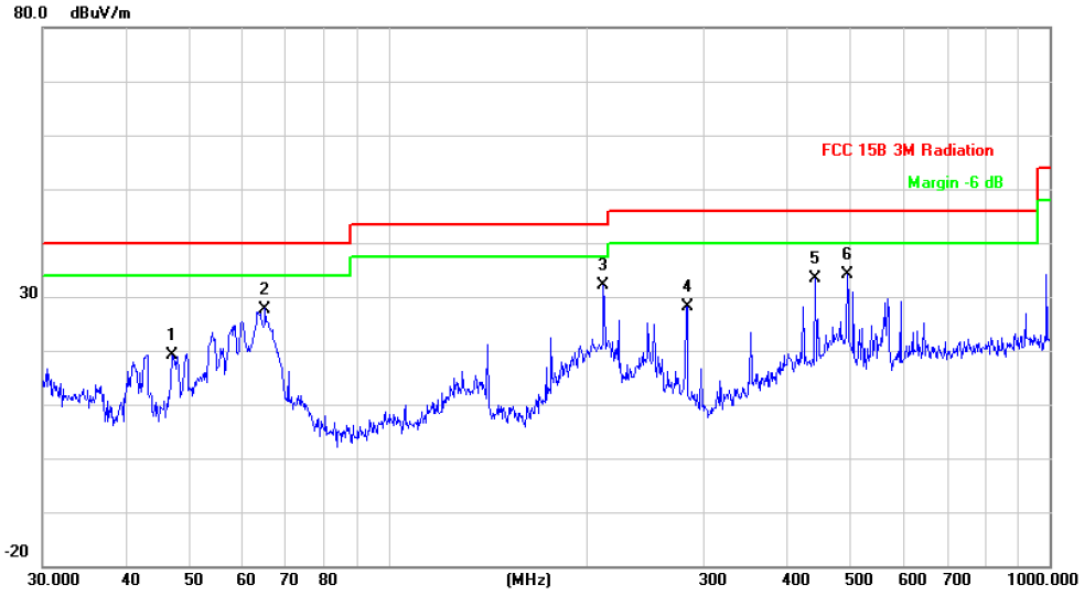
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 1: AC Charging with USB and TF Card Reading		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		65.8031	49.17	-23.99	25.18	40.00	-14.82	peak
2		141.3298	49.83	-21.88	27.95	43.50	-15.55	peak
3		211.5265	54.18	-19.89	34.29	43.50	-9.21	peak
4	*	282.9852	54.76	-17.42	37.34	46.00	-8.66	peak
5		494.1984	45.60	-11.68	33.92	46.00	-12.08	peak
6		776.8778	42.30	-6.72	35.58	46.00	-10.42	peak

Emission Level= Read Level+ Correct Factor

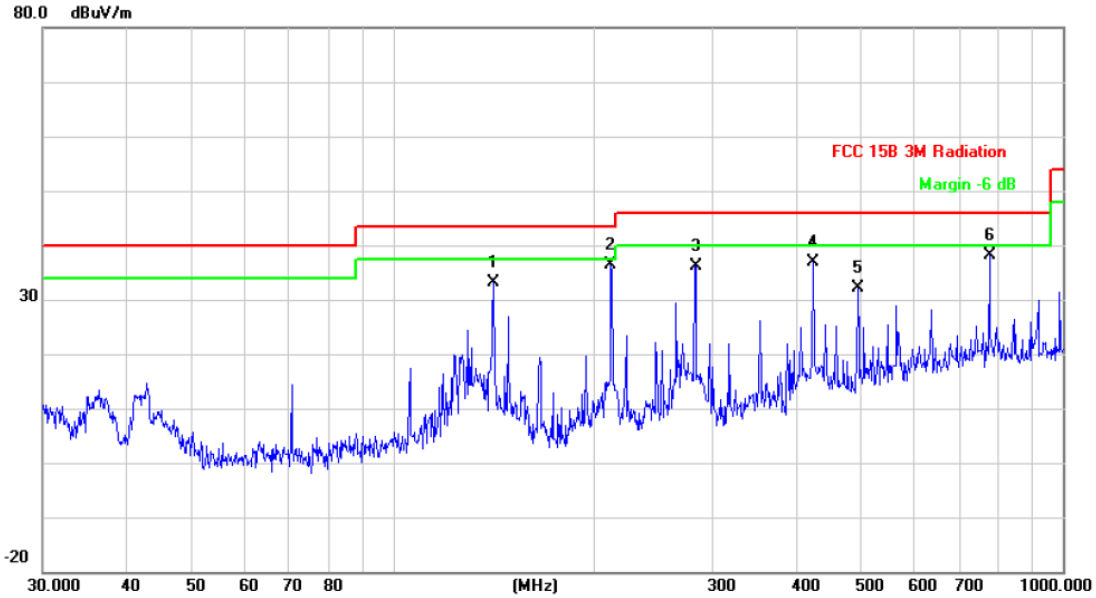
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 1: USB Charging with loading to PC		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		47.1599	42.33	-23.19	19.14	40.00	-20.86	peak
2		65.1145	51.81	-24.06	27.75	40.00	-12.25	peak
3	*	211.5265	51.97	-19.89	32.08	43.50	-11.42	peak
4		282.9852	45.63	-17.42	28.21	46.00	-17.79	peak
5		441.7426	45.87	-12.61	33.26	46.00	-12.74	peak
6		494.1984	45.70	-11.68	34.02	46.00	-11.98	peak

Emission Level= Read Level+ Correct Factor

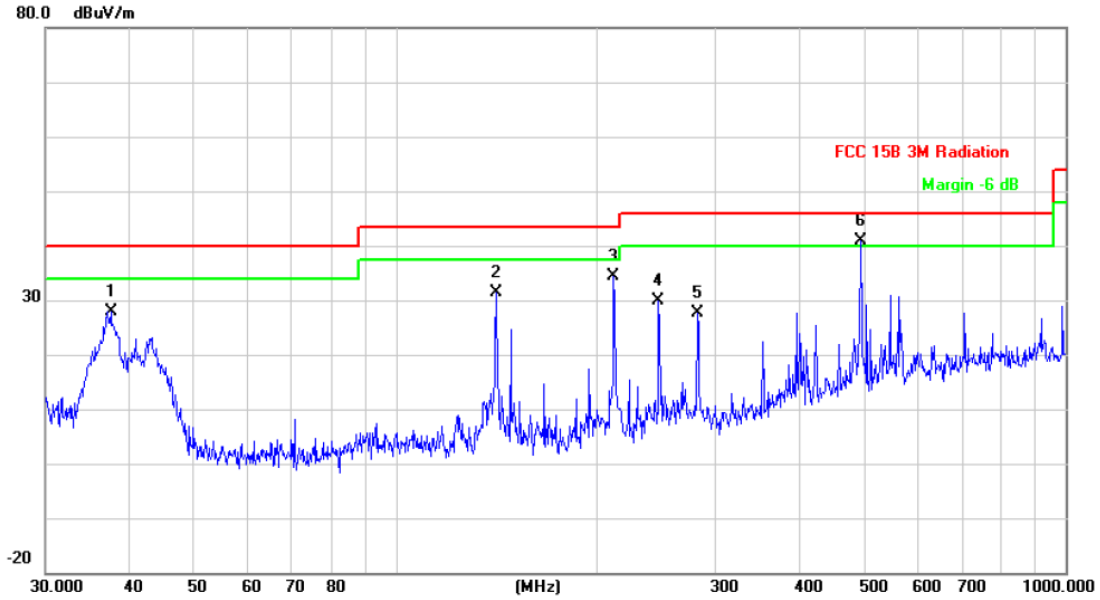
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 2: USB Charging and Loading with PC		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		141.3298	55.09	-21.88	33.21	43.50	-10.29	peak
2	*	211.5264	56.23	-19.89	36.34	43.50	-7.16	peak
3		282.9852	53.66	-17.42	36.24	46.00	-9.76	peak
4		423.5403	49.87	-12.92	36.95	46.00	-9.05	peak
5		494.1983	43.83	-11.68	32.15	46.00	-13.85	peak
6		776.8777	44.89	-6.72	38.17	46.00	-7.83	peak

Emission Level= Read Level+ Correct Factor

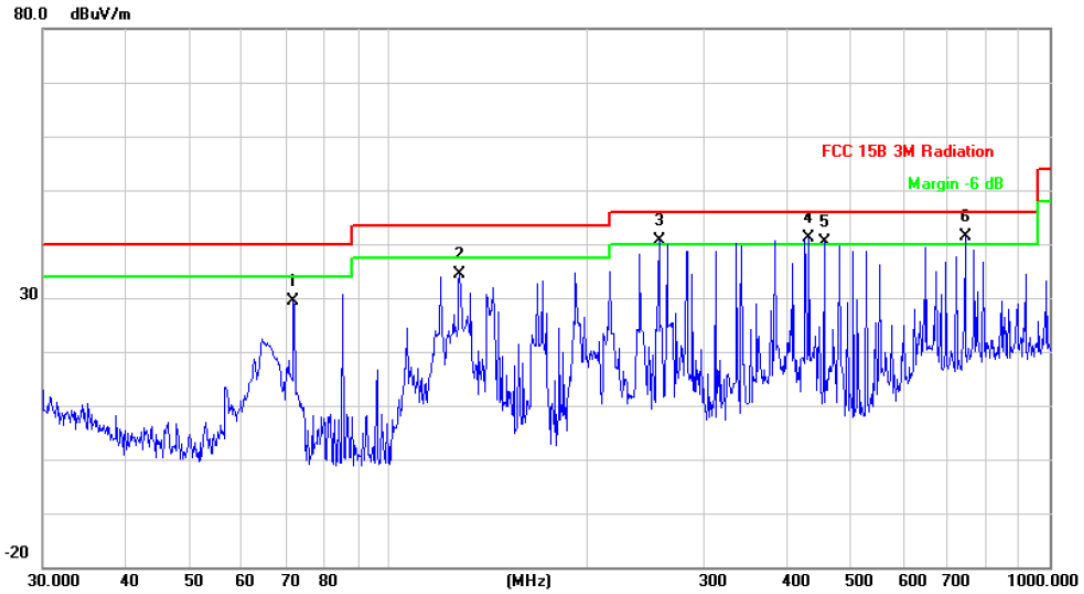
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 2: USB Charging and Loading with PC		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		37.5479	46.56	-18.64	27.92	40.00	-12.08	peak
2		141.3298	53.19	-21.88	31.31	43.50	-12.19	peak
3		211.5265	54.39	-19.89	34.50	43.50	-9.00	peak
4		246.8149	48.16	-18.27	29.89	46.00	-16.11	peak
5		281.9946	45.18	-17.44	27.74	46.00	-18.26	peak
6	*	494.1984	52.48	-11.68	40.80	46.00	-5.20	peak

Emission Level= Read Level+ Correct Factor

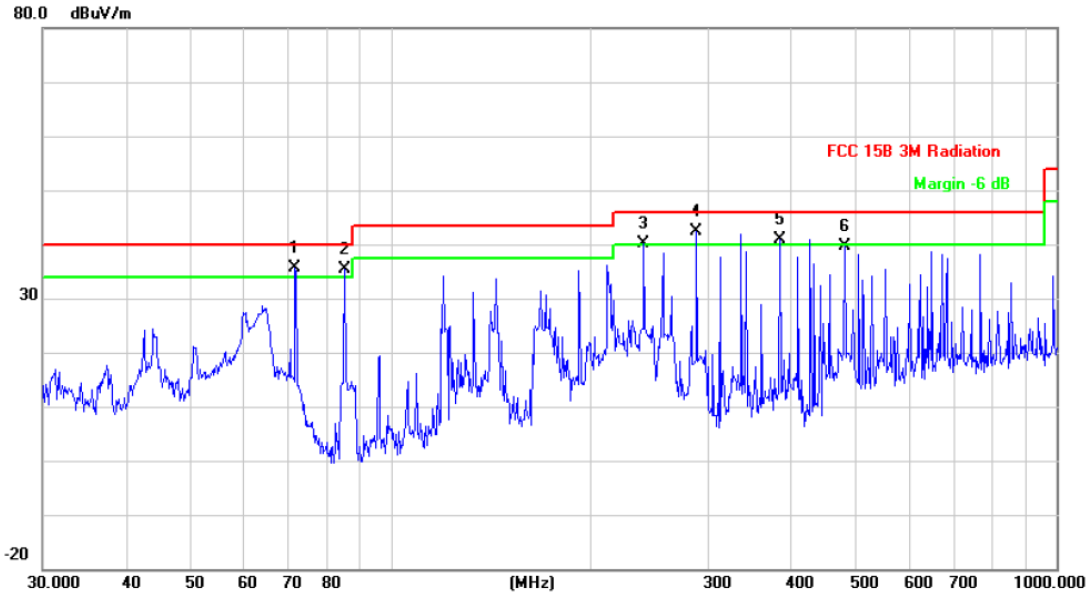
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 3: AC Charging with Camera Working		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		71.8320	52.90	-23.56	29.34	40.00	-10.66	peak
2		128.1130	56.72	-22.24	34.48	43.50	-9.02	peak
3	!	256.5211	58.67	-17.98	40.69	46.00	-5.31	peak
4	!	432.5457	53.81	-12.78	41.03	46.00	-4.97	peak
5	!	455.9058	52.70	-12.26	40.44	46.00	-5.56	peak
6	*	744.8661	48.40	-7.09	41.31	46.00	-4.69	peak

Emission Level= Read Level+ Correct Factor

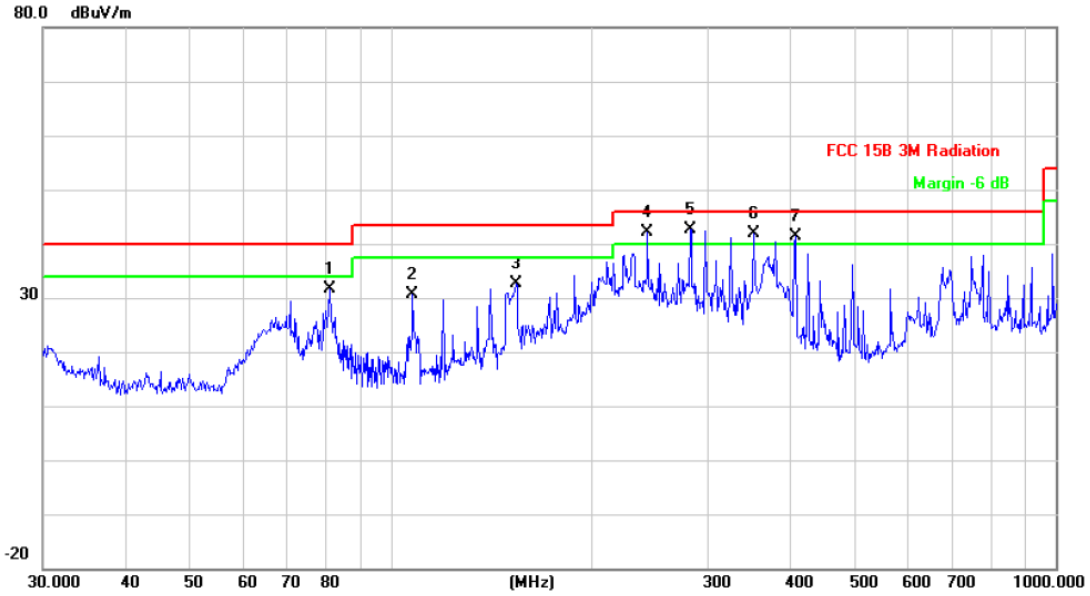
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 3: AC Charging with Camera Working		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1	!	71.8320	59.20	-23.56	35.64	40.00	-4.36	peak
2	!	85.2980	58.27	-22.97	35.30	40.00	-4.70	peak
3	!	239.9874	58.69	-18.59	40.10	46.00	-5.90	peak
4	*	287.9904	59.61	-17.32	42.29	46.00	-3.71	peak
5	!	383.9318	54.87	-13.87	41.00	46.00	-5.00	peak
6		480.5276	51.27	-11.62	39.65	46.00	-6.35	peak

Emission Level= Read Level+ Correct Factor

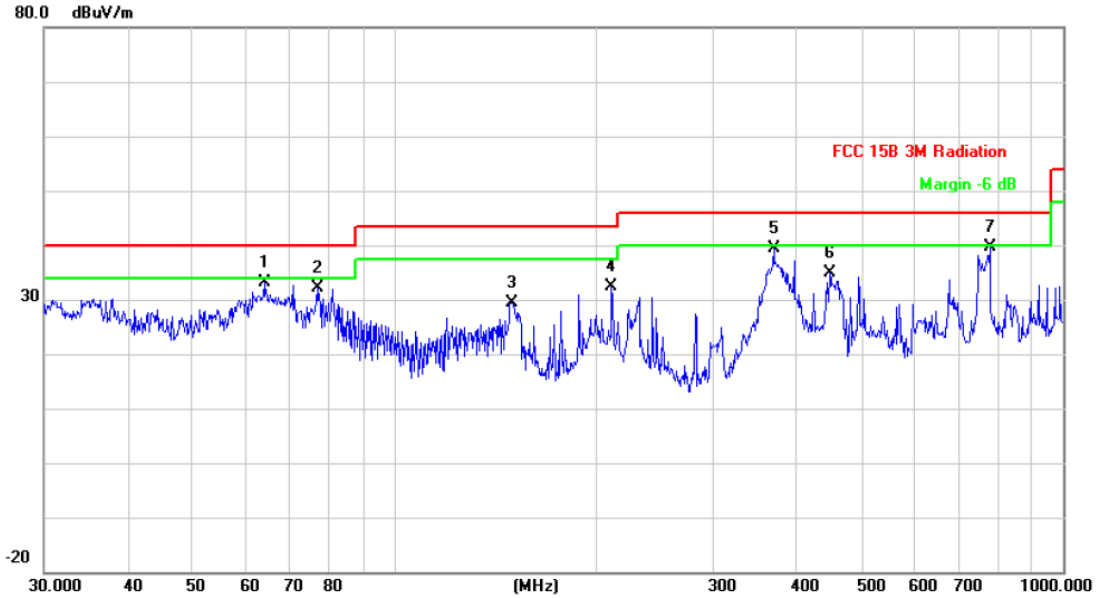
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 4: AC Charging with HDMI Mode		
Remark:	N/A		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		80.9275	54.81	-23.22	31.59	40.00	-8.41	peak
2		107.8877	52.57	-21.86	30.71	43.50	-12.79	peak
3		154.2786	53.45	-20.89	32.56	43.50	-10.94	peak
4	!	243.3772	60.51	-18.43	42.08	46.00	-3.92	peak
5	*	281.9946	60.10	-17.44	42.66	46.00	-3.34	peak
6	!	351.7079	56.57	-14.60	41.97	46.00	-4.03	peak
7	!	406.0880	54.31	-12.83	41.48	46.00	-4.52	peak

Emission Level= Read Level+ Correct Factor

EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 4: AC Charging with HDMI Mode		
Remark:	N/A		

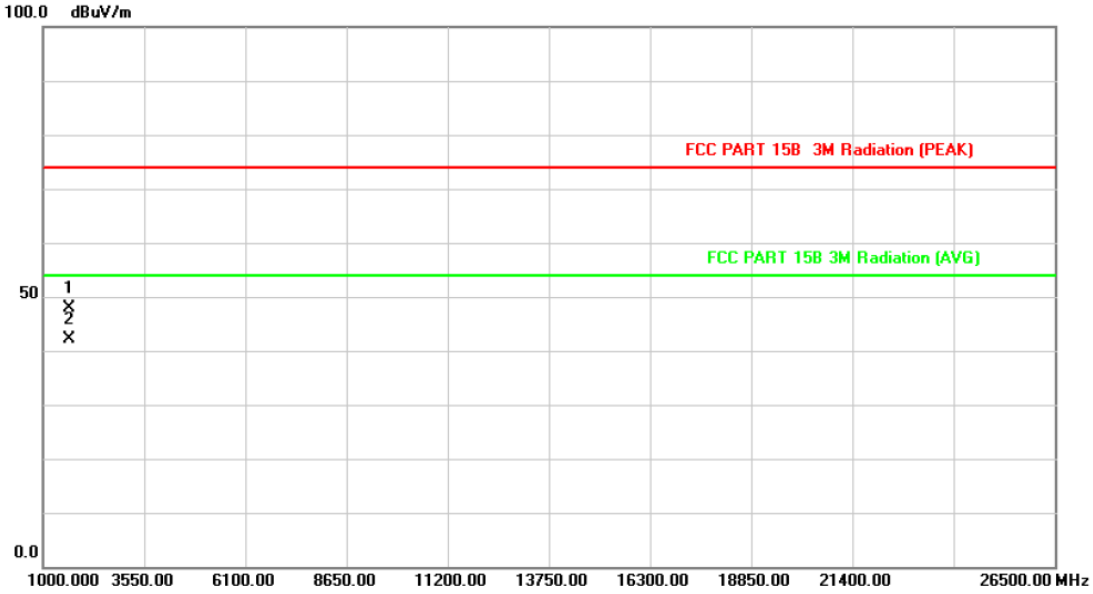


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		63.9828	57.40	-24.16	33.24	40.00	-6.76	peak
2		76.7808	55.54	-23.39	32.15	40.00	-7.85	peak
3		150.0108	50.63	-21.17	29.46	43.50	-14.04	peak
4		211.5265	52.39	-19.89	32.50	43.50	-11.00	peak
5		369.4047	53.94	-14.50	39.44	46.00	-6.56	peak
6		447.9822	47.38	-12.49	34.89	46.00	-11.11	peak
7	*	776.8778	46.27	-6.72	39.55	46.00	-6.45	peak

Emission Level= Read Level+ Correct Factor

1 GHz~26.5GHz

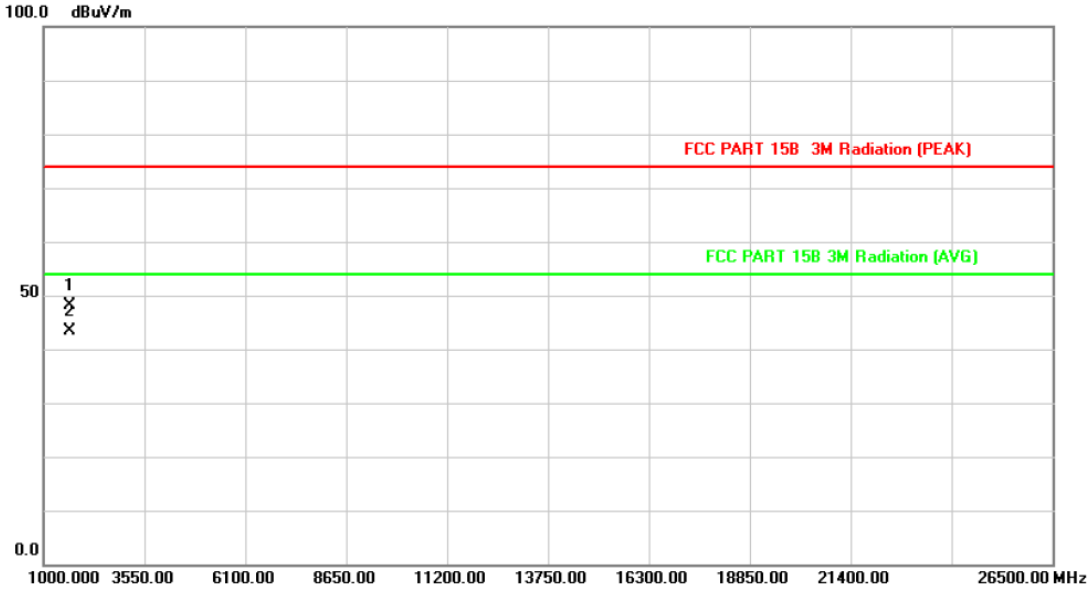
EUT:	GURUBOOK 5/MID	**Model:**	GURUBOOK5
Temperature:	25 ℃	**Relative Humidity:**	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 5: AC Charging with WiFi Link		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		1650.250	50.60	-2.73	47.87	74.00	-26.13	peak
2	*	1650.250	44.98	-2.73	42.25	54.00	-11.75	AVG

Emission Level= Read Level+ Correct Factor

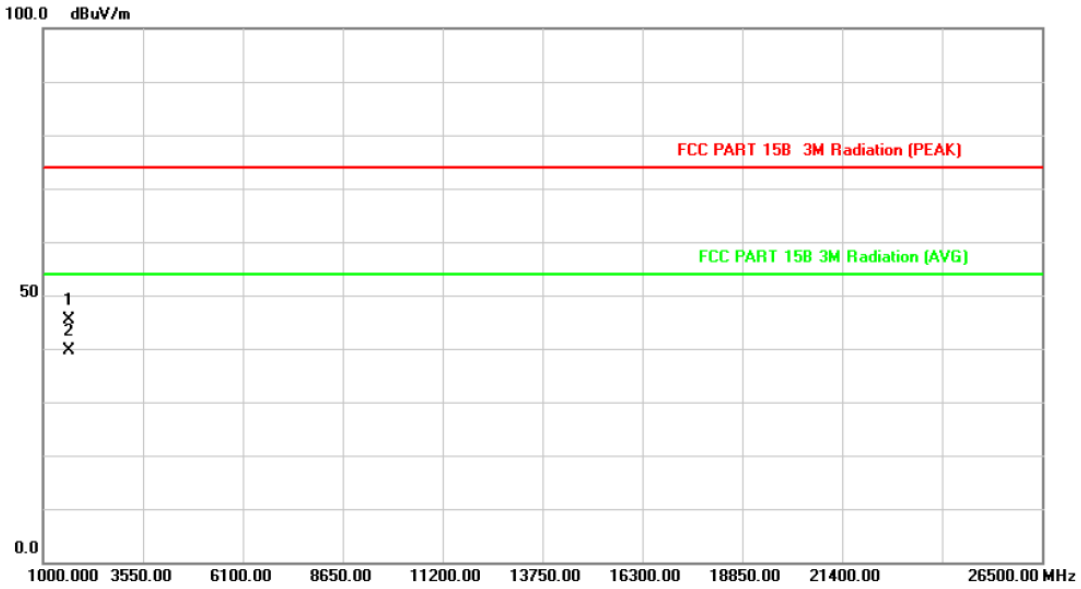
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 5: AC Charging with WiFi Link		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		1650.250	50.78	-2.73	48.05	74.00	-25.95	peak
2	*	1650.250	46.14	-2.73	43.41	54.00	-10.59	AVG

Emission Level= Read Level+ Correct Factor

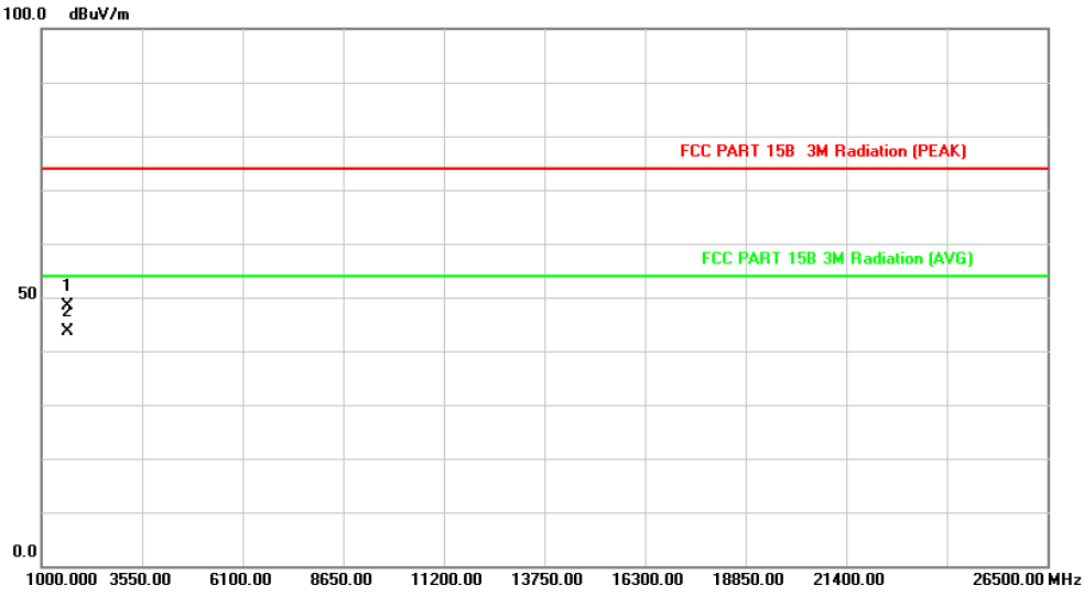
EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Horizontal		
Test Mode:	Mode 6: AC Charging with Bluetooth Link		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		1662.150	48.04	-2.78	45.26	74.00	-28.74	peak
2	*	1662.150	42.40	-2.78	39.62	54.00	-14.38	AVG

Emission Level= Read Level+ Correct Factor

EUT:	GURUBOOK 5/MID	Model:	GURUBOOK5
Temperature:	25 ℃	Relative Humidity:	55%
Test Voltage:	AC 120V/60 Hz		
Ant. Pol.	Vertical		
Test Mode:	Mode 6: AC Charging with Bluetooth Link		
Remark:	No report for the emission which more than 10 dB below the prescribed limit.		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector
1		1662.150	51.17	-2.78	48.39	74.00	-25.61	peak
2	*	1662.150	46.38	-2.78	43.60	54.00	-10.40	AVG

Emission Level= Read Level+ Correct Factor