



FCC Test Report

FCC ID: XN6-SB3651E6

Product: 36 Inch Sound Bar 5.1 System
Trade Mark: VIZIO
Model Number: SB3651-E6
Serial Model: N/A
Report No.: NTEK- 2017NT02221568F

Prepared for

Zylux Acoustic Corporation
3F, 22 Lane 35, Jihu Road, Neihu Technology Park, 114 Taipei Taiwan

Prepared by

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TEST RESULT CERTIFICATION

Applicant's name : Zylux Acoustic Corporation
Address : 3F, 22 Lane 35, Jihu Road, Neihu Technology Park, 114 Taipei
Taiwan

Manufacturer's Name : Zylux Acoustic Corporation
Address : 3F, 22 Lane 35, Jihu Road, Neihu Technology Park, 114 Taipei
Taiwan

Factory's Name : Zhao Yang Electronic (Shenzhen) Co. , Ltd.
Address : Building 2, De Yong Jia Industrial Park, Guang Qiao Road, Yu Lv
Community, Gong Ming Street, Guang Ming New District,
Shenzhen, 518132, China

Product description

Product name : 36 Inch Sound Bar 5.1 System
Model and/or type reference : SB3651-E6
Standards : FCC Part15B:01 Oct.2016
ANSI C63.4:2014

This device described above has been tested by NTEK, and the test results show that the equipment under test (EUT) is in compliance with Part 15 of FCC Rules. And it is applicable only to the tested sample identified in the report.

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Date of Test :
Date (s) of performance of tests : 22 Feb. 2017~ 03 Mar. 2017
Date of Issue : 03 Mar. 2017
Test Result : **Pass**

Testing Engineer : *Lebron Wang*
(Lebron Wang)

Technical Manager : *Jason Chen*
(Jason Chen)

Authorized Signatory : *Sam. Chen*
(Sam Chen)

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1. TEST SUMMARY

Test procedures according to the technical standards:

EMC Emission				
Standard	Test Item	Limit	Judgment	Remark
FCC Part15B:2016 ANSI C63.4: 2014	Conducted Emission	Class B	PASS	
	Radiated Emission	Class B	PASS	

NOTE:

- (1) 'N/A' denotes test is not applicable in this Test Report
- (2) For client's request and manual description, the test will not be executed.

1.1 TEST FACILITY

Shenzhen NTEK Testing Technology Co., Ltd

Add. : 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen 518126 P.R. China.

FCC Registration Number:238937; IC Registration Number:9270A-1

CNAS Registration Number:L5516

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95** %.

Test Item	Measurement Frequency Range	K	U(dB)
AC Mains Conducted Emission	0.009kHz ~ 0.15MHz	2	2.66
AC Mains Conducted Emission	0.15MHz ~ 30MHz	2	2.80
Telecom Conducted Emission (Cat 3)	0.15MHz ~ 30MHz	2	2.40
Telecom Conducted Emission (Cat 5)	0.15MHz ~ 30MHz	2	2.58
Radiated Emission	30MHz ~ 1000MHz	2	2.64
Radiated Emission	1000MHz ~ 6000MHz	2	2.40
Radiated Emission	6000MHz ~ 18000MHz	2	2.52
Power Clamp	30MHz ~ 300MHz	2	2.20

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	36 Inch Sound Bar 5.1 System	
Model Name	SB3651-E6	
Additional Model Number(s)	N/A	
Remark	The SB3630-E6 have three power sources(AC Power#1, AC Power#2 and AC Power#3) to choose, and Please see below.	
Product Description	The EUT is a 36 Inch Sound Bar 5.1 System.	
	Connecting I/O port:	USB, DC in
	Operation Frequency:	N/A
	Modulation Type:	N/A
	Based on the application, features, or specification exhibited in User's Manual. More details of EUT technical specifications, please refer to the User's Manual.	
Power Source	AC Voltage	
Power Rating	AC 120V/60Hz , 60W	

2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

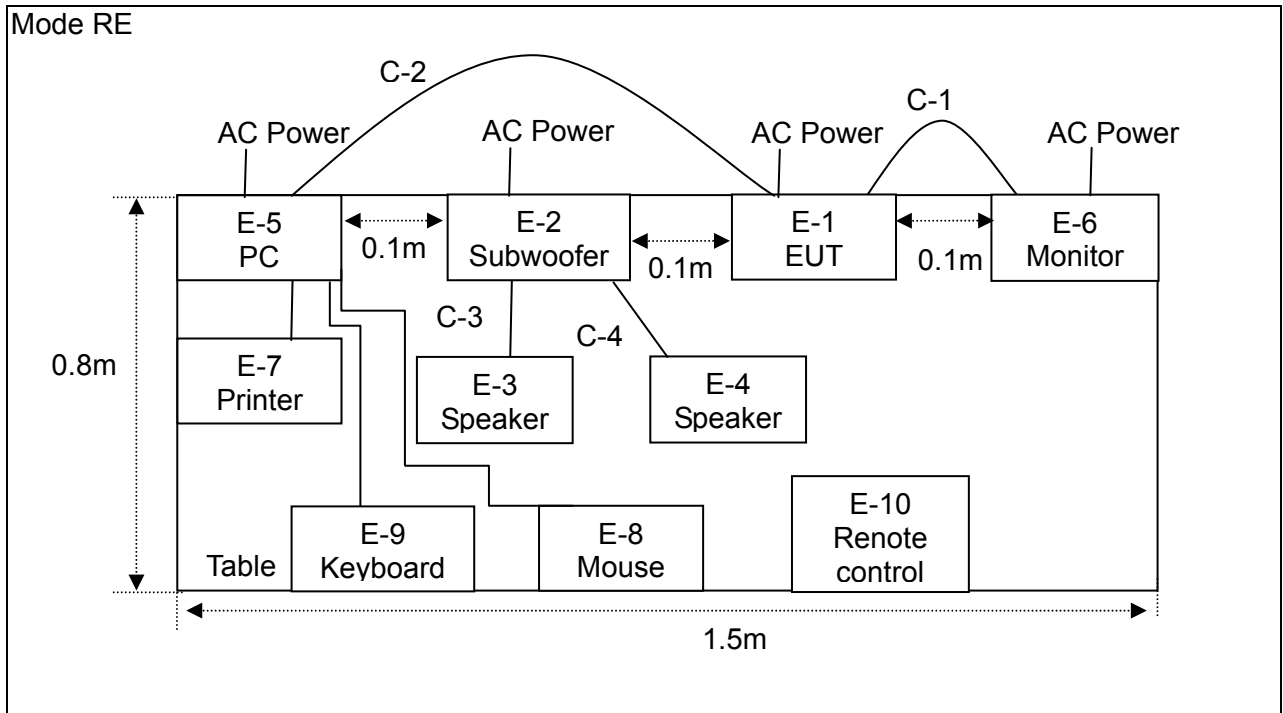
Pretest Mode	Description
Mode 1	HDMI
Mode 2	Optical
Mode 3	AUX in
Mode 4	USB
Mode 5	Coaxial

For Conducted Test	
Mode 1	HDMI
Mode 2	Optical
Mode 3	AUX in
Mode 4	USB
Mode 5	Coaxial

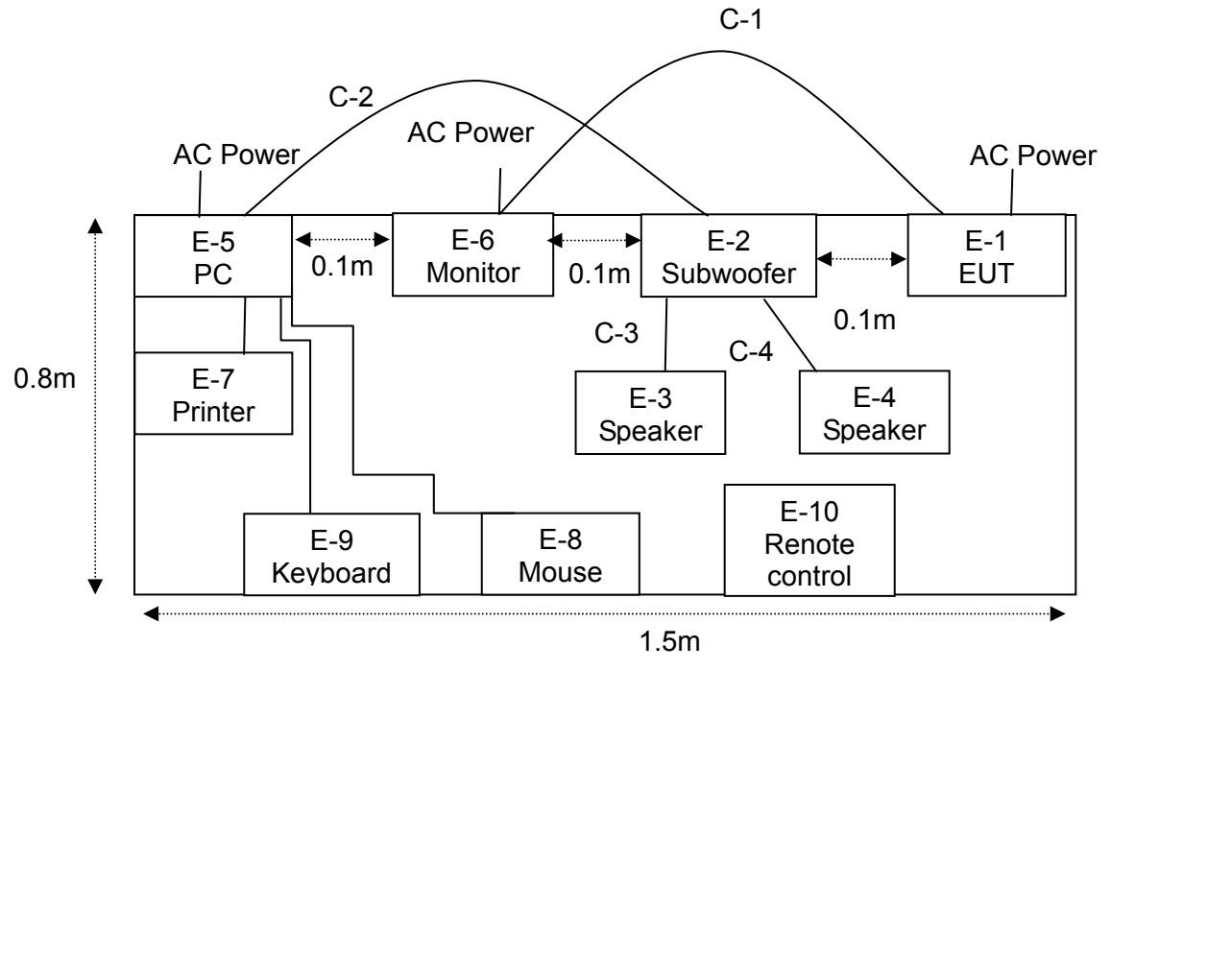
For Radiated Test	
Final Test Mode	Description
Mode 1	HDMI
Mode 2	Optical
Mode 3	AUX in
Mode 4	USB
Mode 5	Coaxial

Note: Final Test Mode: Through Pre-scan, find the mode 1 (HDMI communicate with PC) is the worst case. Only the worst case mode is recorded in the report.

2.3 DESCRIPTION OF TEST SETUP



CE



2.4 DESCRIPTION TEST PERIPHERAL AND EUT PERIPHERAL

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Brand	Model/Type No.	Series No.	Note
E-1	36 Inch Sound Bar 5.1 System	VIZIO	SB3651-E6	N/A	EUT
E-2	36 Inch Sound Bar 5.1 System	VIZIO	SB3651-E6 Subwoofer	N/A	Peripherals
E-3	Speaker	N/A	N/A	N/A	Peripherals
E-4	Speaker	N/A	N/A	N/A	Peripherals
E-5	Personal computer	DELL	FT4Y23X	N/A	Peripherals
E-6	Monitor	SONY	KDL-24EX520	N/A	Peripherals
E-7	Printer	Canon	L11121E	N/A	Peripherals
E-8	Mouse	DELL	MS111-P	N/A	Peripherals
E-9	Keyboard	DELL	SK-8185	N/A	Peripherals
E-10	Remote control	N/A	N/A	N/A	Peripherals

Item	Shielded Type	Ferrite Core	Length	Note
C-1	NO	NO	150cm	
C-2	NO	NO	150cm	
C-3	NO	NO	780cm	
C-4	NO	NO	780cm	

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (3) “YES” means “shielded” “with core”; “NO” means “unshielded” “without core”.

2.5 MEASUREMENT INSTRUMENTS LIST

2.5.1 CONDUCTED TEST SITE

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	LISN	R&S	ENV216	101490	Oct. 29, 2016	Oct. 28, 2017	1 year
2	LISN	R&S	ENV216	101313	Oct. 29, 2016	Oct. 28, 2017	1 year
3	50Ω Switch	Anritsu	MP59B	6200983704	Jun. 26, 2016	Jun. 25, 2017	1 year
4	Low frequency cable	N/A	C-01	N/A	Jun. 26, 2016	Jun. 25, 2019	3 year
5	EMI Test Receiver	R&S	ESCI	101160	Jun. 26, 2016	Jun. 25, 2017	1 year

2.5.2 RADIATED TEST SITE

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until	Calibration period
1	Bilog Antenna	TESEQ	CBL6111D	31216	Aug. 22, 2016	Aug. 21, 2017	1 year
2	Test Cable	N/A	R-03	N/A	Jun. 26, 2016	Jun. 25, 2019	3 year
3	Test Cable	N/A	R-01	N/A	Aug. 08, 2016	Aug. 07, 2019	3 year
4	EMI Test Receiver	R&S	ESPI7	101318	Jun. 26, 2016	Jun. 25, 2017	1 year
5	Antenna Mast	EM	SC100_1	N/A	N/A	N/A	N/A
6	Turn Table	EM	SC100	060531	N/A	N/A	N/A
7	50Ω Switch	Anritsu	MP59B	6200983705	Jun. 26, 2016	Jun. 25, 2017	1 year
8	Broadband Horn Antenna	EM	EM-AH-10180	2011071402	Aug. 23, 2016	Aug. 22, 2017	1 year
9	Pre-Amplifier	EMC	EMC051835SE	980246	Aug. 09, 2016	Aug. 09, 2017	1 year

3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150kHz-30MHz)

FREQUENCY (MHz)	<input type="checkbox"/> Class A (dB μ V)		<input checked="" type="checkbox"/> Class B (dB μ V)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

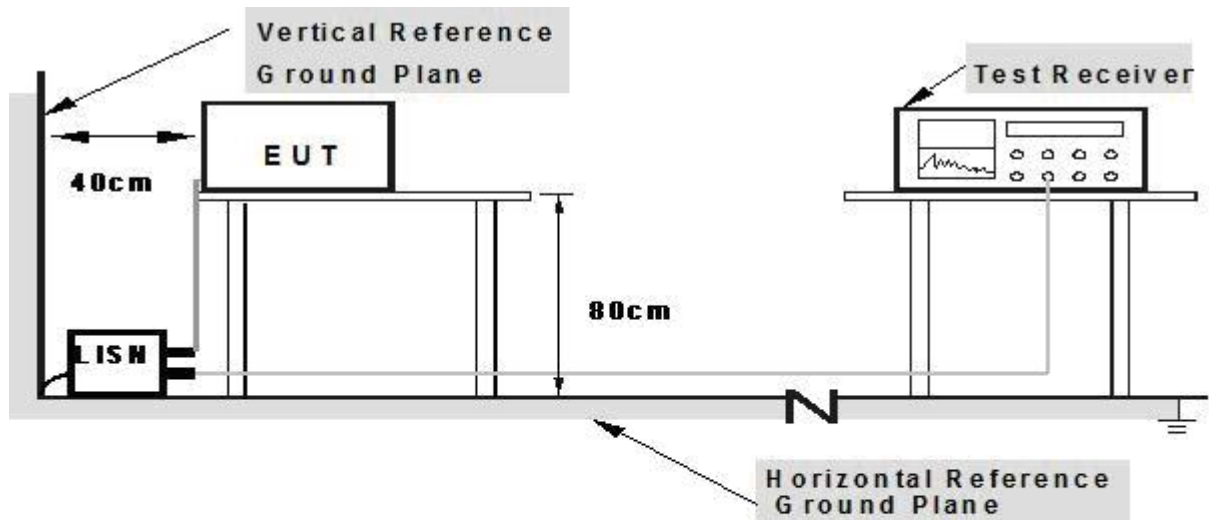
The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

3.1.2 TEST PROCEDURE

- a. 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.
- b. 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.
- c. 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.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.1.3 TEST SETUP



Note: 1. Support units were connected to second LISN.

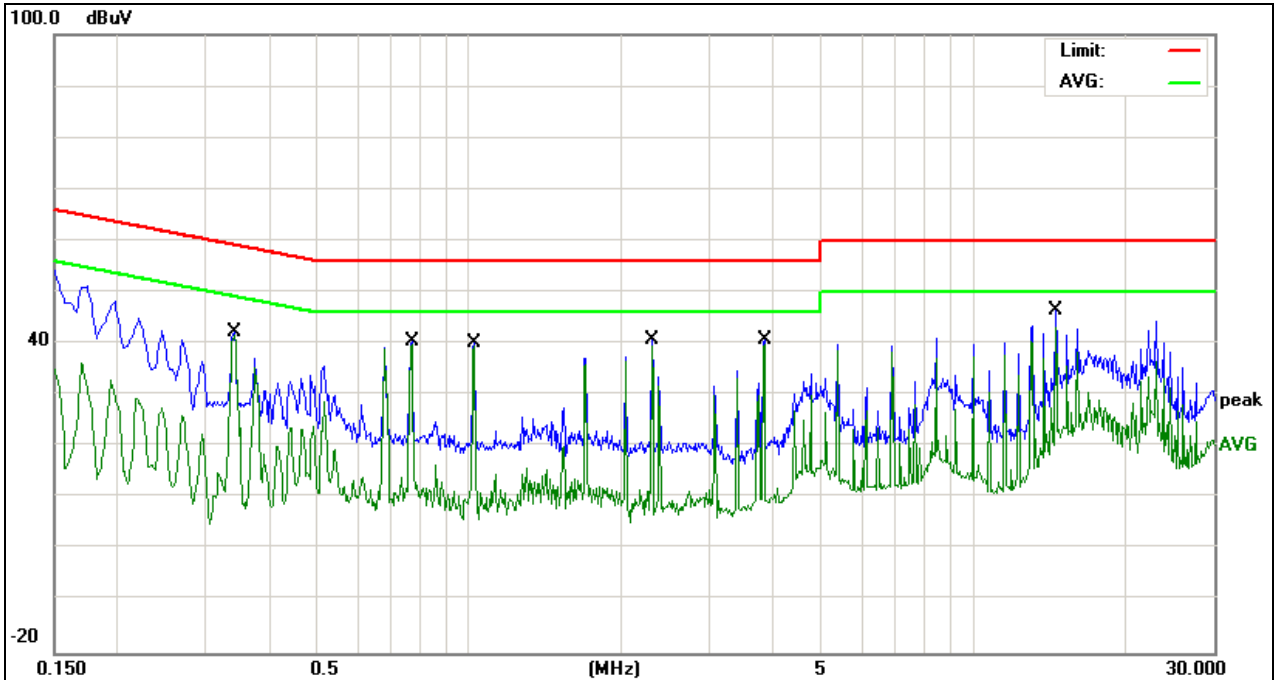
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

3.1.5 TEST RESULTS

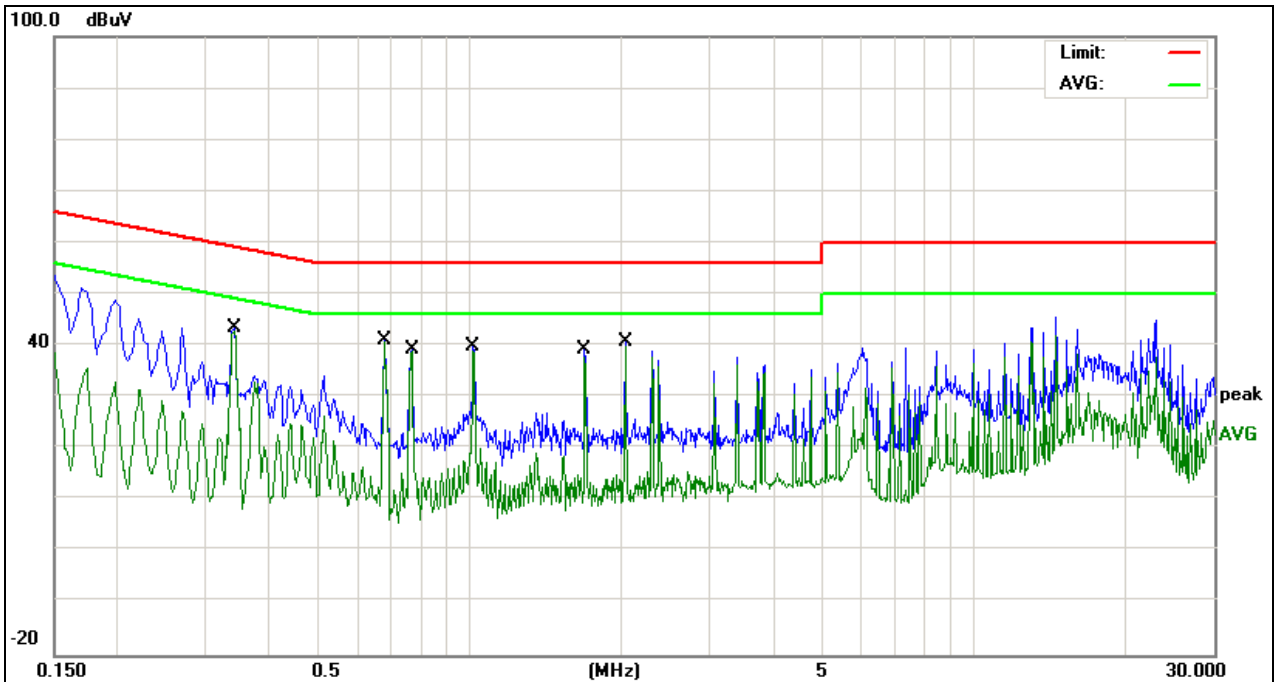
EUT:	36 Inch Sound Bar 5.1 System	Model Name:	SB3651-E6
Temperature:	26°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Phase:	L
Test Voltage:	AC 120V/60Hz(AC Power#1)		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3420	32.60	9.67	42.27	59.15	-16.88	QP	
2		0.3420	32.03	9.67	41.70	49.15	-7.45	AVG	
3		0.7700	30.63	9.68	40.31	56.00	-15.69	QP	
4	*	0.7700	30.31	9.68	39.99	46.00	-6.01	AVG	
5		1.0220	30.43	9.70	40.13	56.00	-15.87	QP	
6		1.0220	29.90	9.70	39.60	46.00	-6.40	AVG	
7		2.3060	30.96	9.73	40.69	56.00	-15.31	QP	
8		2.3060	29.95	9.73	39.68	46.00	-6.32	AVG	
9		3.8420	31.01	9.76	40.77	56.00	-15.23	QP	
10		3.8420	30.01	9.76	39.77	46.00	-6.23	AVG	
11		14.5937	36.51	9.92	46.43	60.00	-13.57	QP	
12		14.5937	33.17	9.92	43.09	50.00	-6.91	AVG	

Remark:
Factor = Insertion Loss + Cable Loss.

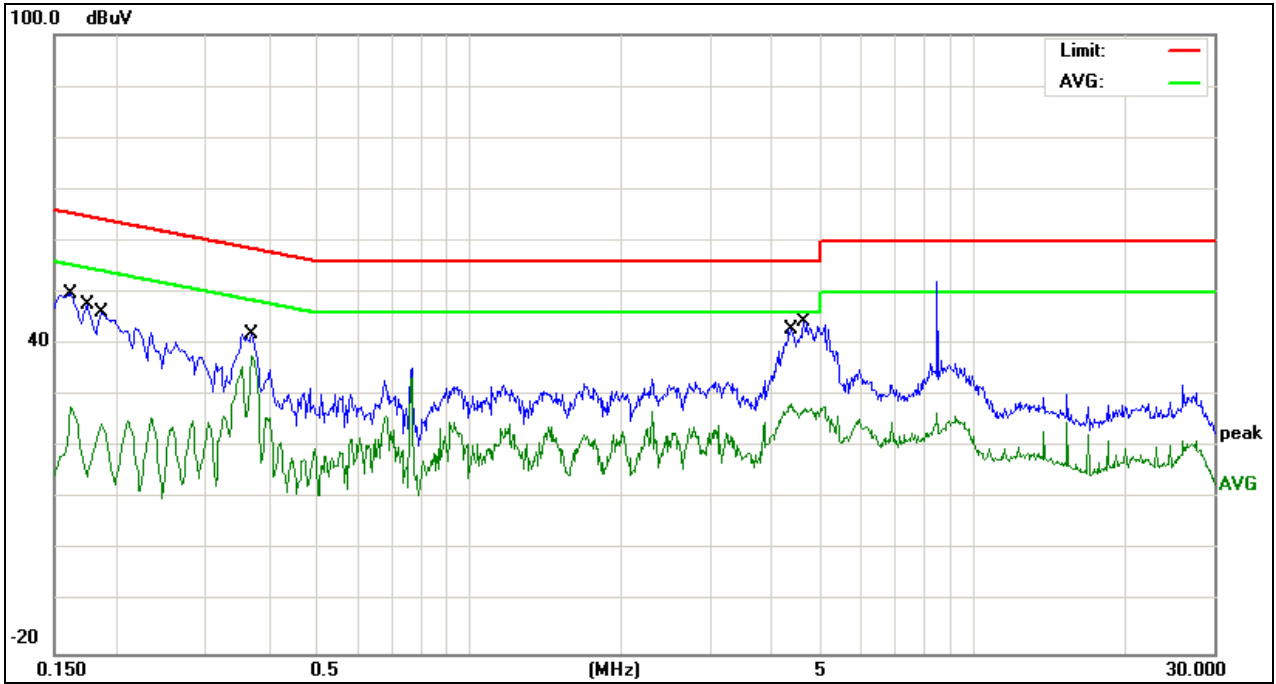
EUT:	36 Inch Sound Bar 5.1 System	Model Name:	SB3651-E6
Temperature:	26°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Phase:	N
Test Voltage :	AC 120V/60Hz(AC Power#1)		



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.3420	33.81	9.67	43.48	59.15	-15.67	QP	
2	0.3420	33.28	9.67	42.95	49.15	-6.20	AVG	
3	0.6820	31.36	9.68	41.04	56.00	-14.96	QP	
4 *	0.6820	30.98	9.68	40.66	46.00	-5.34	AVG	
5	0.7700	29.72	9.68	39.40	56.00	-16.60	QP	
6	0.7700	29.38	9.68	39.06	46.00	-6.94	AVG	
7	1.0180	30.05	9.70	39.75	56.00	-16.25	QP	
8	1.0180	29.39	9.70	39.09	46.00	-6.91	AVG	
9	1.6978	29.59	9.72	39.31	56.00	-16.69	QP	
10	1.6978	27.88	9.72	37.60	46.00	-8.40	AVG	
11	2.0379	30.99	9.72	40.71	56.00	-15.29	QP	
12	2.0379	30.06	9.72	39.78	46.00	-6.22	AVG	

Remark:
Factor = Insertion Loss + Cable Loss.

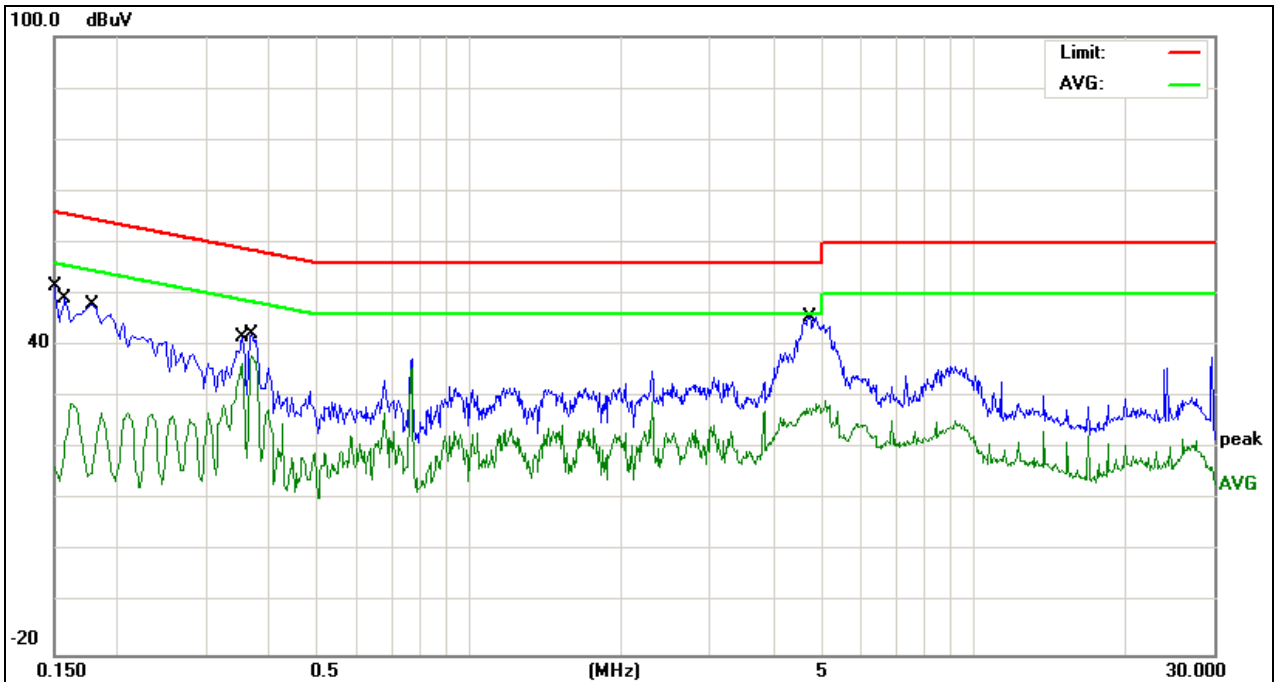
EUT:	36 Inch Sound Bar 5.1 System	Model Name:	SB3651-E6
Temperature:	26°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Phase:	L
Test Voltage:	AC 120V/60Hz(AC Power#2)		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1620	40.15	9.58	49.73	65.36	-15.63	QP	
2		0.1620	18.17	9.58	27.75	55.36	-27.61	AVG	
3		0.1737	38.09	9.58	47.67	64.78	-17.11	QP	
4		0.1737	12.93	9.58	22.51	54.78	-32.27	AVG	
5		0.1862	36.40	9.58	45.98	64.20	-18.22	QP	
6		0.1862	14.91	9.58	24.49	54.20	-29.71	AVG	
7		0.3699	32.38	9.57	41.95	58.50	-16.55	QP	
8	*	0.3699	28.16	9.57	37.73	48.50	-10.77	AVG	
9		4.3498	33.17	9.67	42.84	56.00	-13.16	QP	
10		4.3498	18.87	9.67	28.54	46.00	-17.46	AVG	
11		4.6219	34.63	9.69	44.32	56.00	-11.68	QP	
12		4.6219	17.95	9.69	27.64	46.00	-18.36	AVG	

Remark:
Factor = Insertion Loss + Cable Loss.

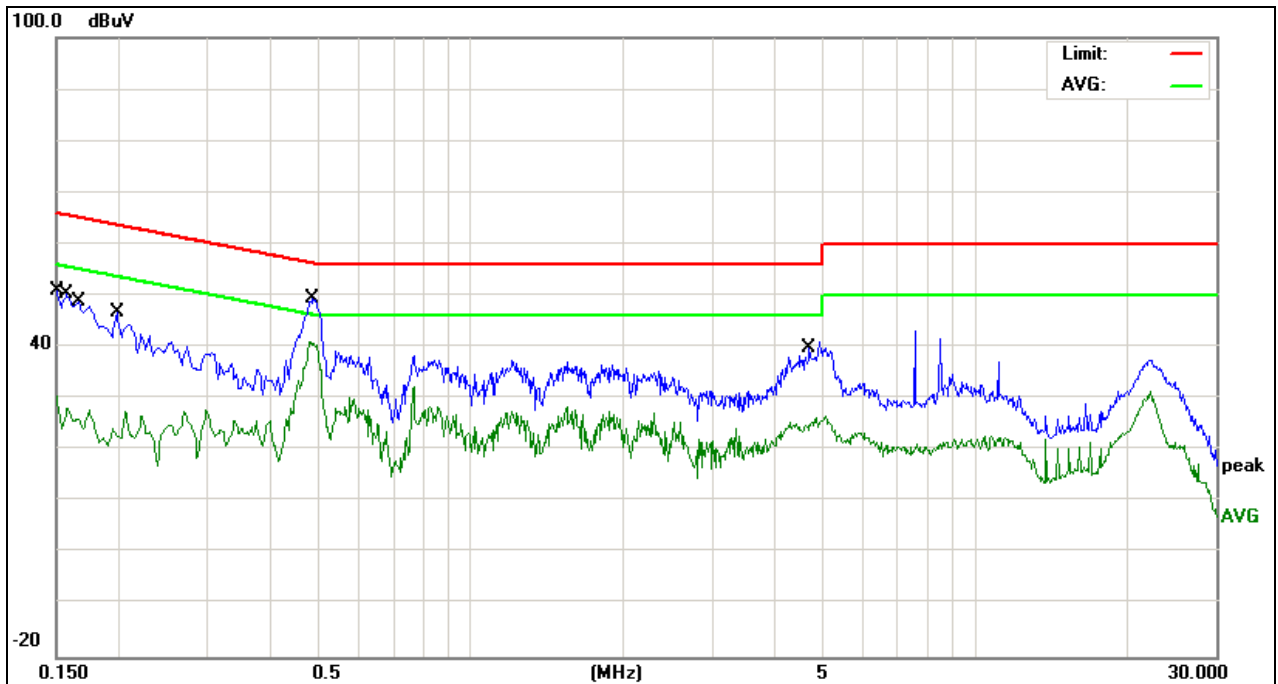
EUT:	36 Inch Sound Bar 5.1 System	Model Name:	SB3651-E6
Temperature:	26°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Phase:	N
Test Voltage :	AC 120V/60Hz(AC Power#2)		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1500	41.99	9.58	51.57	65.99	-14.42	QP	
2		0.1500	6.87	9.58	16.45	55.99	-39.54	AVG	
3		0.1580	39.61	9.58	49.19	65.56	-16.37	QP	
4		0.1580	13.84	9.58	23.42	55.56	-32.14	AVG	
5		0.1779	38.48	9.58	48.06	64.58	-16.52	QP	
6		0.1779	10.15	9.58	19.73	54.58	-34.85	AVG	
7		0.3537	31.95	9.57	41.52	58.87	-17.35	QP	
8		0.3537	26.88	9.57	36.45	48.87	-12.42	AVG	
9		0.3699	32.56	9.57	42.13	58.50	-16.37	QP	
10		0.3699	28.47	9.57	38.04	48.50	-10.46	AVG	
11	*	4.7419	35.99	9.69	45.68	56.00	-10.32	QP	
12		4.7419	19.56	9.69	29.25	46.00	-16.75	AVG	

Remark:
Factor = Insertion Loss + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name:	SB3651-E6
Temperature:	26°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Phase:	L
Test Voltage:	AC 120V/60Hz(AC Power#3)		

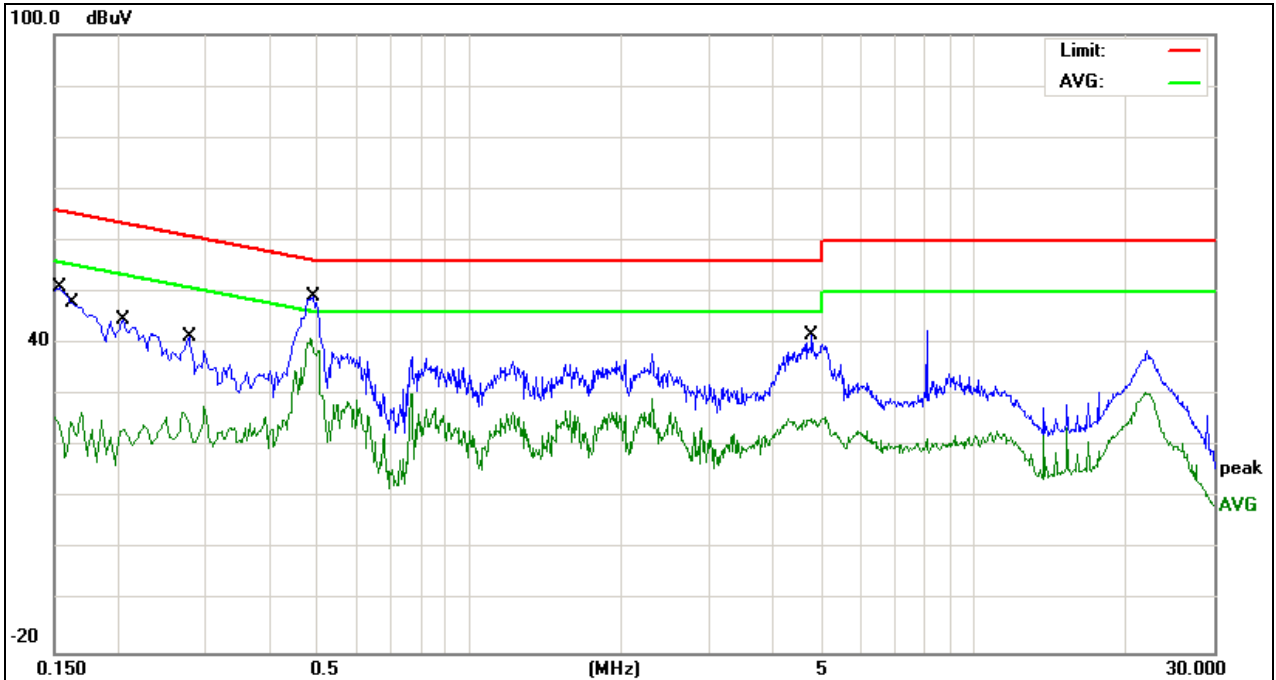


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1500	41.50	9.58	51.08	65.99	-14.91	QP	
2	0.1500	20.84	9.58	30.42	55.99	-25.57	AVG	
3	0.1580	40.79	9.58	50.37	65.56	-15.19	QP	
4	0.1580	18.58	9.58	28.16	55.56	-27.40	AVG	
5	0.1660	39.12	9.58	48.70	65.15	-16.45	QP	
6	0.1660	16.52	9.58	26.10	55.15	-29.05	AVG	
7	0.1980	37.30	9.58	46.88	63.69	-16.81	QP	
8	0.1980	14.06	9.58	23.64	53.69	-30.05	AVG	
9	0.4858	39.85	9.58	49.43	56.24	-6.81	QP	
10 *	0.4858	31.55	9.58	41.13	46.24	-5.11	AVG	
11	4.6817	30.05	9.69	39.74	56.00	-16.26	QP	
12	4.6817	16.51	9.69	26.20	46.00	-19.80	AVG	

Remark:

Factor = Insertion Loss + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name:	SB3651-E6
Temperature:	26°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Phase:	N
Test Voltage :	AC 120V/60Hz(AC Power#3)		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1539	41.16	9.68	50.84	65.78	-14.94	QP	
2		0.1539	16.12	9.68	25.80	55.78	-29.98	AVG	
3		0.1640	37.88	9.68	47.56	65.25	-17.69	QP	
4		0.1640	17.08	9.68	26.76	55.25	-28.49	AVG	
5		0.2058	35.00	9.68	44.68	63.37	-18.69	QP	
6		0.2058	13.72	9.68	23.40	53.37	-29.97	AVG	
7		0.2779	31.78	9.67	41.45	60.88	-19.43	QP	
8		0.2779	16.93	9.67	26.60	50.88	-24.28	AVG	
9		0.4899	39.32	9.68	49.00	56.17	-7.17	QP	
10	*	0.4899	31.35	9.68	41.03	46.17	-5.14	AVG	
11		4.7738	31.77	9.78	41.55	56.00	-14.45	QP	
12		4.7738	15.78	9.78	25.56	46.00	-20.44	AVG	

Remark:
Factor = Insertion Loss + Cable Loss.

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

FREQUENCY (MHz)	<input type="checkbox"/> Class A (at 3m)	<input checked="" type="checkbox"/> Class B (at 3m)
	dB μ V/m	
30 ~ 88	49.0	40.0
88 ~ 216	53.5	43.5
216 ~ 960	56.5	46.0
Above 960	59.5	54.0

Notes:

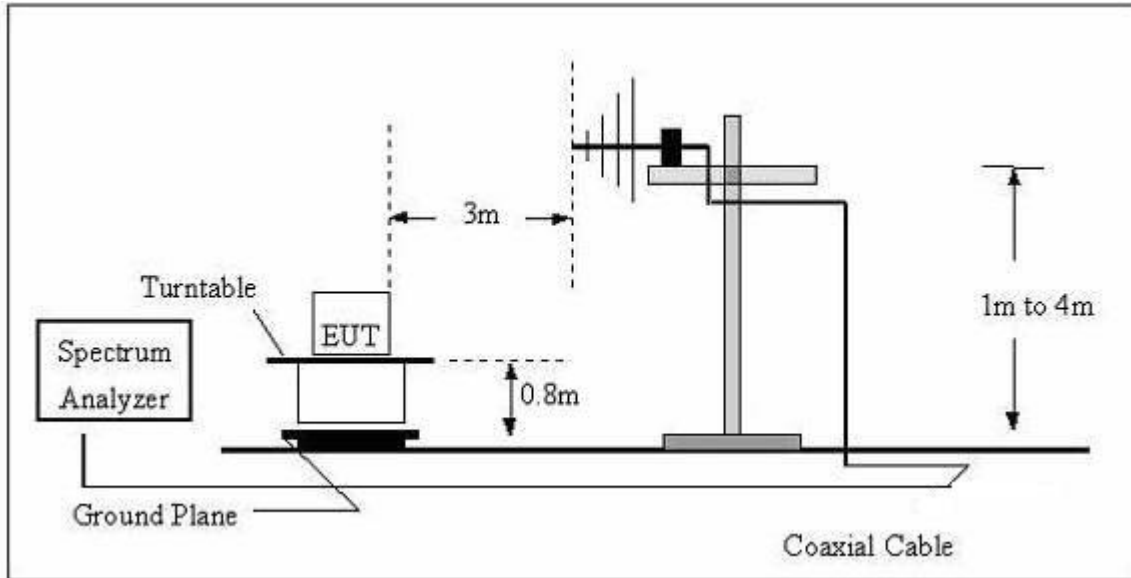
- (1) The limit for radiated test was performed according to as following:
FCC PART 15B /ICES-003.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dB μ V/m)=20log Emission level (uV/m).

3.2.2 TEST PROCEDURE

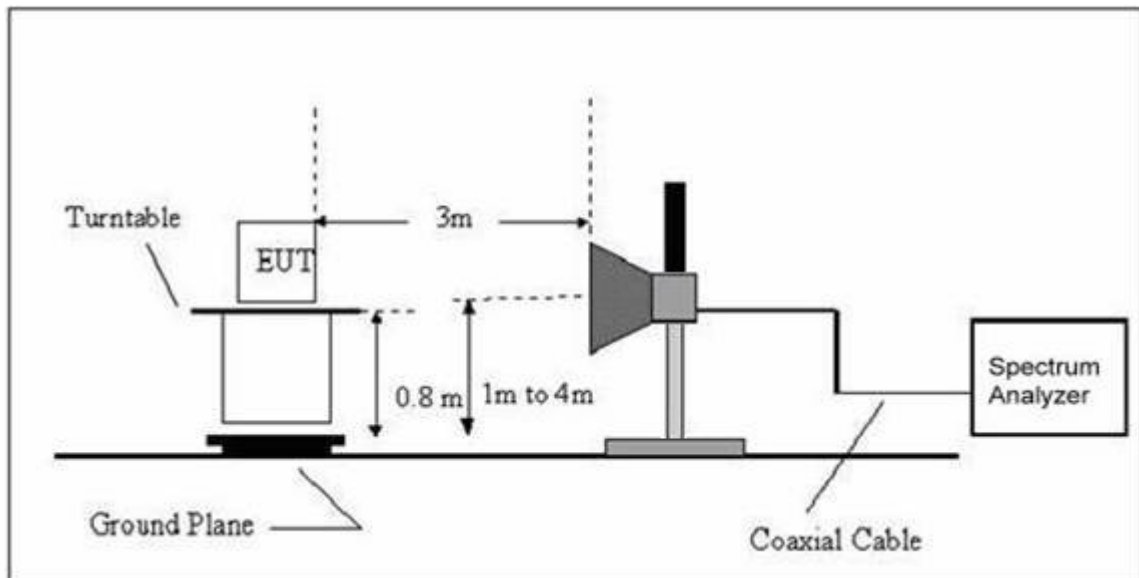
- a. The measuring distance of at 3m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; 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.
- d. The initial step in collecting conducted 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, above 1G Average detector mode will be instead.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP(AV) Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.2.3 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



(B) Radiated Emission Test Set-Up Frequency Above 1GHz

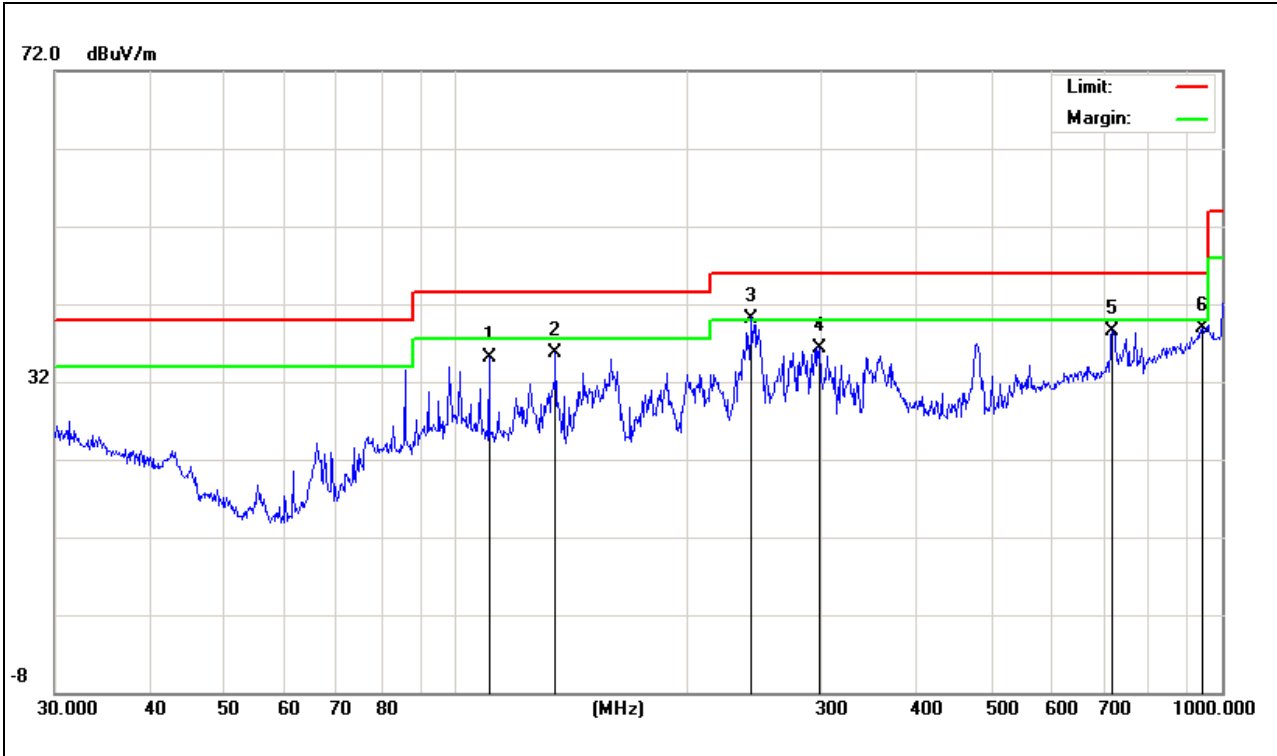


3.2.4 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.3 Unless otherwise a special operating condition is specified in the follows during the testing.

3.2.5 TEST RESULTS

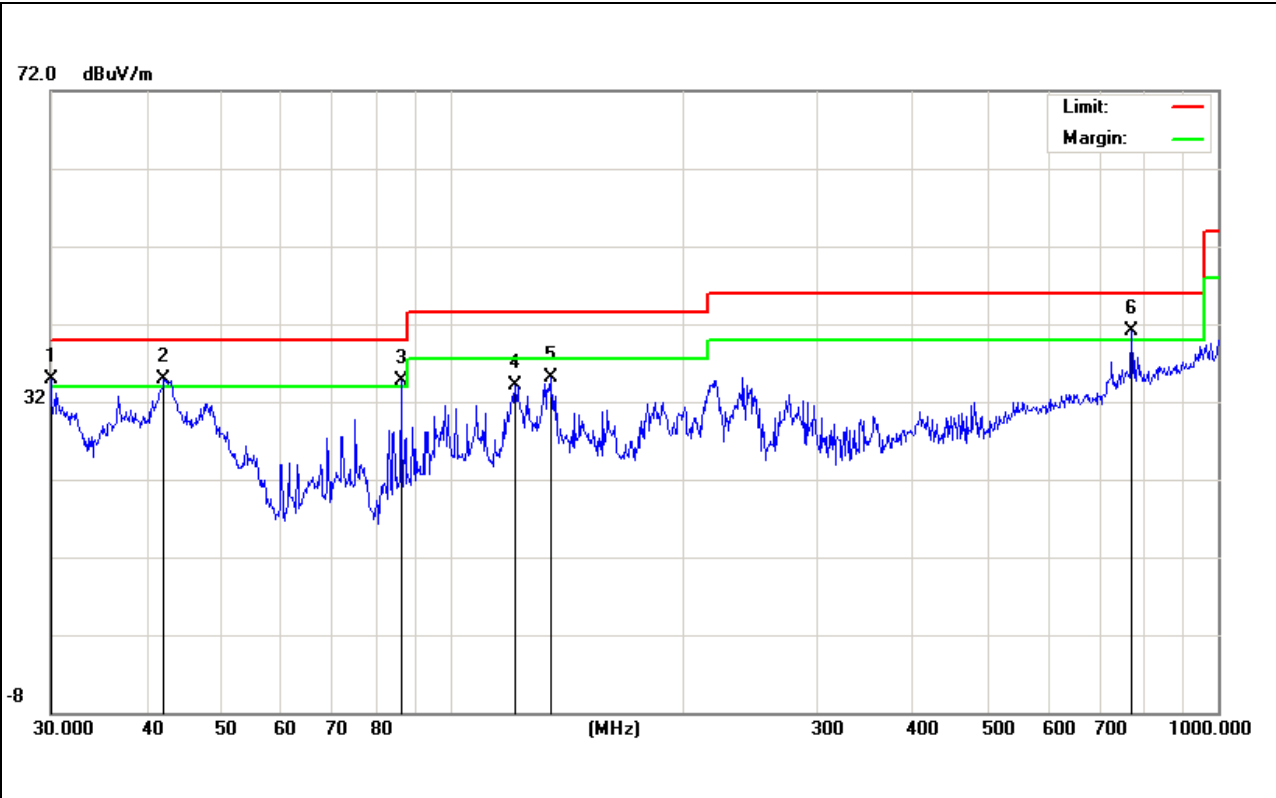
EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(AC Power#1)		



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	110.5687	22.45	12.66	35.11	43.50	-8.39	QP			
2	135.0319	22.56	13.13	35.69	43.50	-7.81	QP			
3 *	243.3771	26.30	13.90	40.20	46.00	-5.80	QP			
4	298.2681	20.06	16.24	36.30	46.00	-9.70	QP			
5	719.1992	12.21	26.36	38.57	46.00	-7.43	QP			
6	942.1304	7.73	31.11	38.84	46.00	-7.16	QP			

Remark:
Factor = Antenna Factor + Cable Loss.

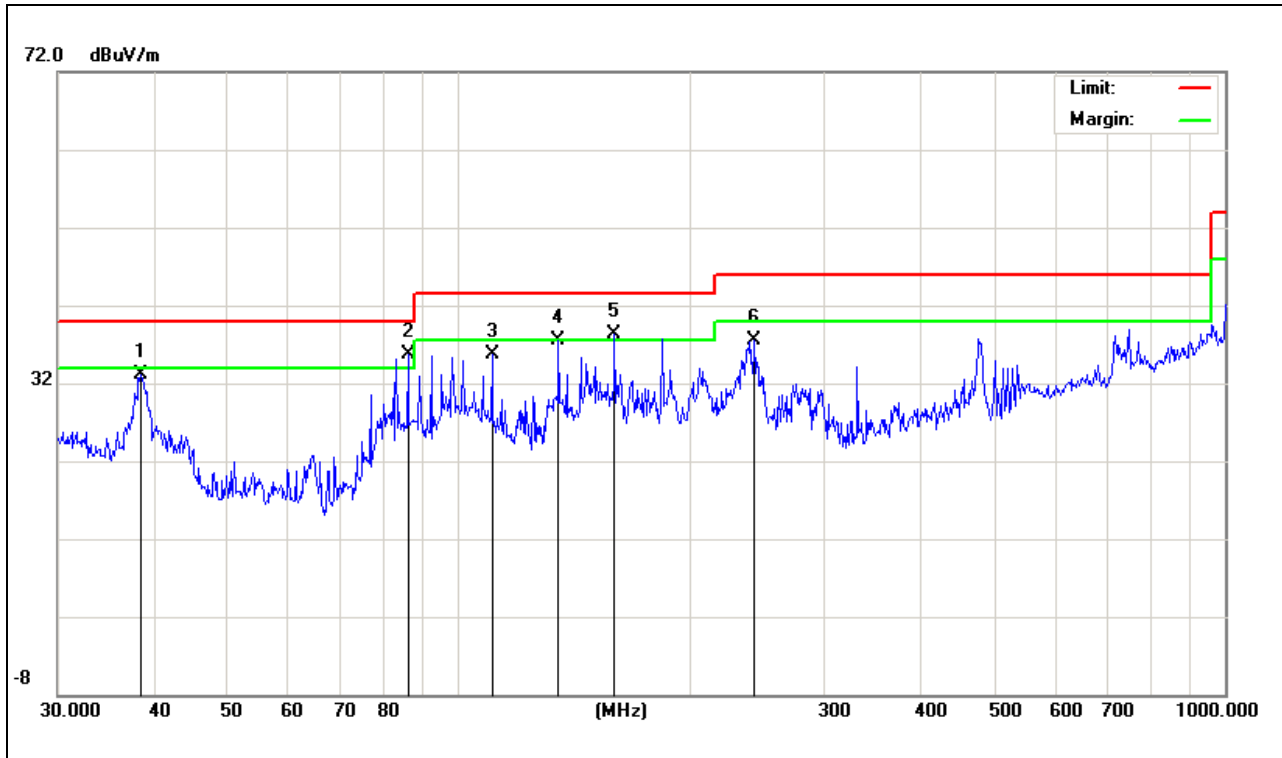
EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(AC Power#1)		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1	!	30.0000	15.03	19.88	34.91	40.00	-5.09	QP			
2	!	42.1542	21.48	13.37	34.85	40.00	-5.15	QP			
3	!	85.8983	25.03	9.66	34.69	40.00	-5.31	QP			
4		121.1230	20.23	13.82	34.05	43.50	-9.45	QP			
5		135.0319	22.07	13.13	35.20	43.50	-8.30	QP			
6	*	771.4486	13.19	27.83	41.02	46.00	-4.98	QP			

Remark:
Factor = Antenna Factor + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(AC Power#2)		

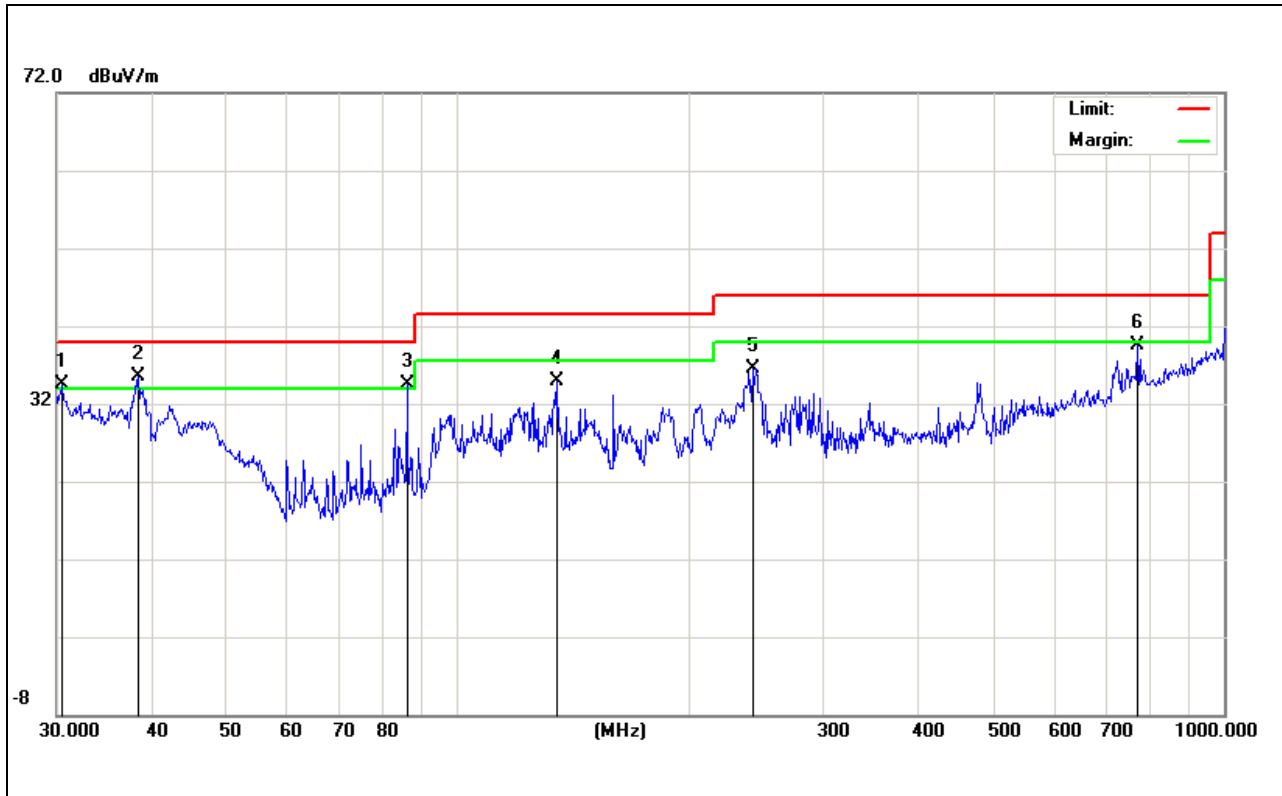


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Detector	Comment
1	38.4808	17.45	15.71	33.16	40.00	-6.84			QP	
2 *	85.8983	26.02	9.66	35.68	40.00	-4.32			QP	
3	110.5687	22.97	12.66	35.63	43.50	-7.87			QP	
4 !	135.0319	24.41	13.13	37.54	43.50	-5.96			QP	
5 !	159.7844	26.17	12.19	38.36	43.50	-5.14			QP	
6	243.3771	23.55	13.90	37.45	46.00	-8.55			QP	

Remark:

Factor = Antenna Factor + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(AC Power#2)		

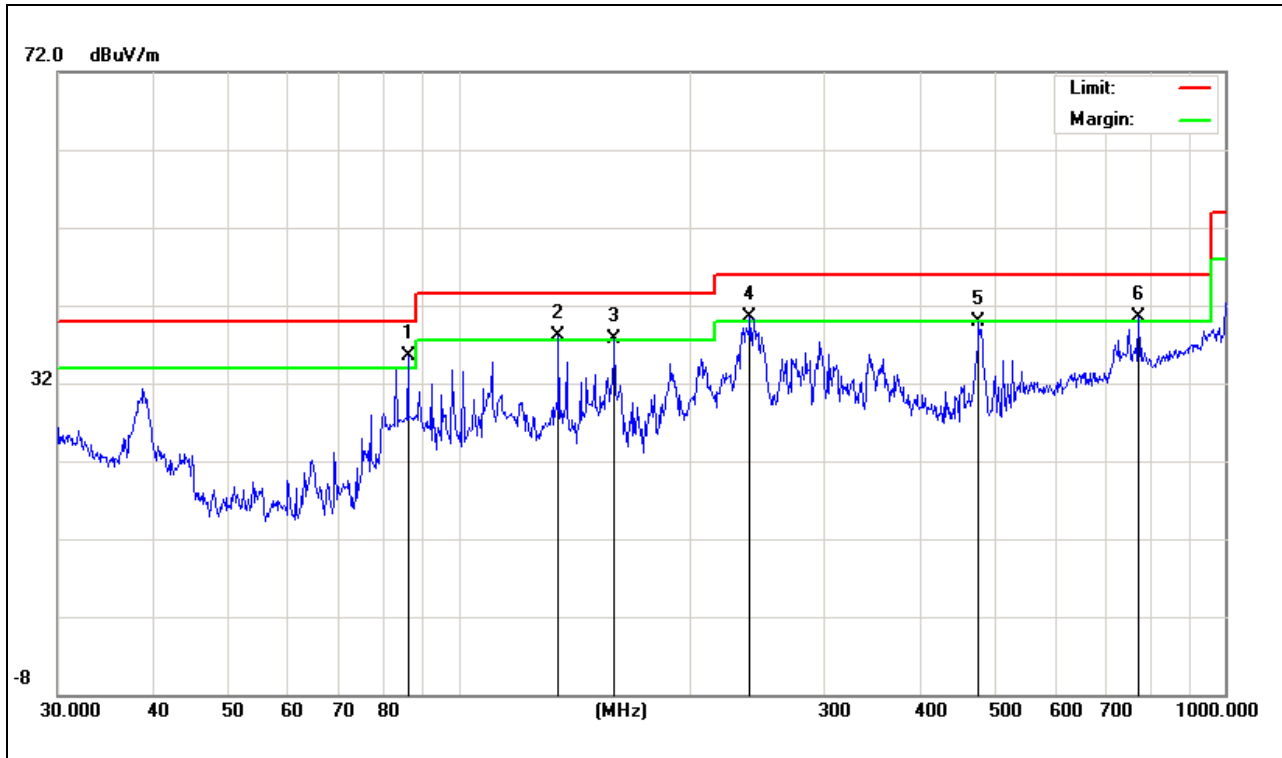


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Detector	Comment
1	!	30.5304	14.83	19.59	34.42	40.00	-5.58			QP	
2	*	38.3462	19.64	15.77	35.41	40.00	-4.59			QP	
3	!	85.8983	24.84	9.66	34.50	40.00	-5.50			QP	
4		135.0319	21.84	13.13	34.97	43.50	-8.53			QP	
5		243.3771	22.67	13.90	36.57	46.00	-9.43			QP	
6		771.4486	11.61	27.83	39.44	46.00	-6.56			QP	

Remark:

Factor = Antenna Factor + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(AC Power#3)		

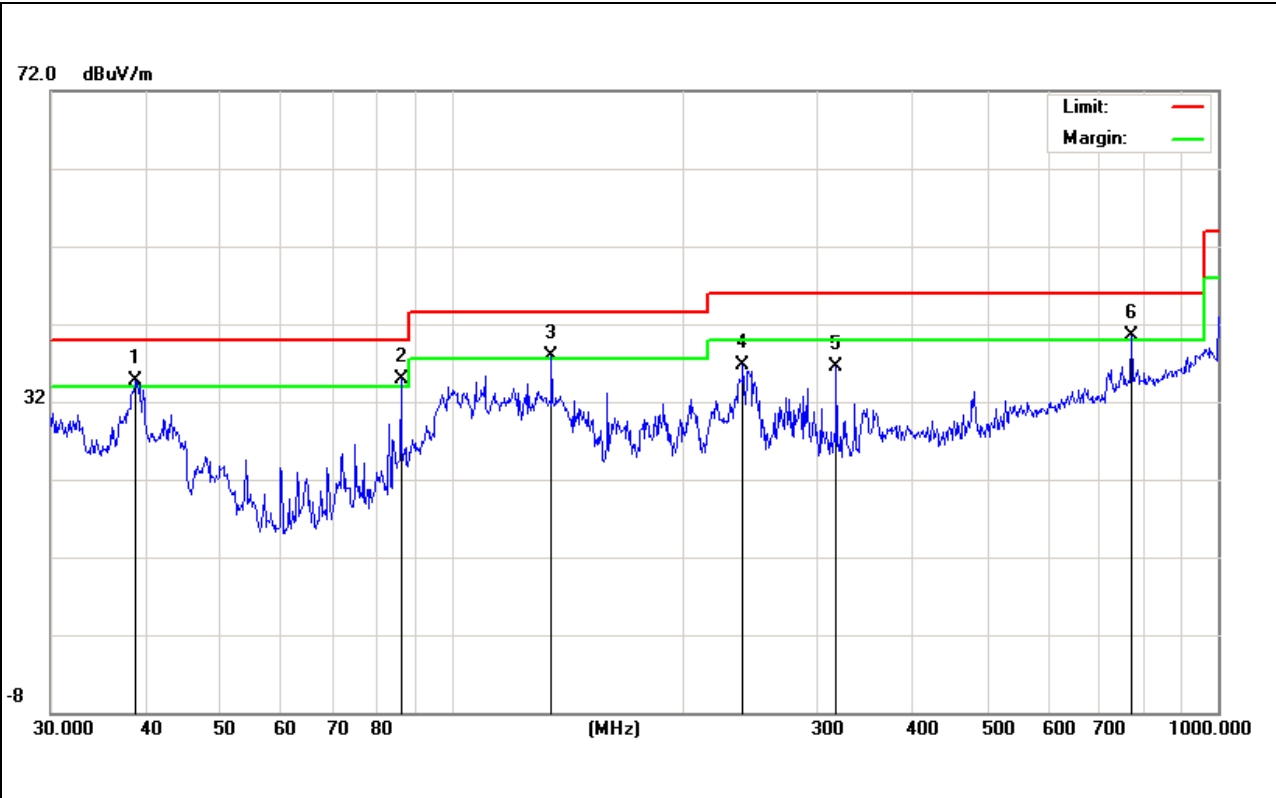


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Detector	Comment
1	*	85.8983	25.86	9.66	35.52	40.00	-4.48			QP	
2	!	135.0319	25.06	13.13	38.19	43.50	-5.31			QP	
3	!	159.7844	25.53	12.19	37.72	43.50	-5.78			QP	
4	!	239.9874	27.33	13.18	40.51	46.00	-5.49			QP	
5		477.1693	18.83	21.15	39.98	46.00	-6.02			QP	
6	!	771.4486	12.64	27.83	40.47	46.00	-5.53			QP	

Remark:

Factor = Antenna Factor + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(AC Power#3)		

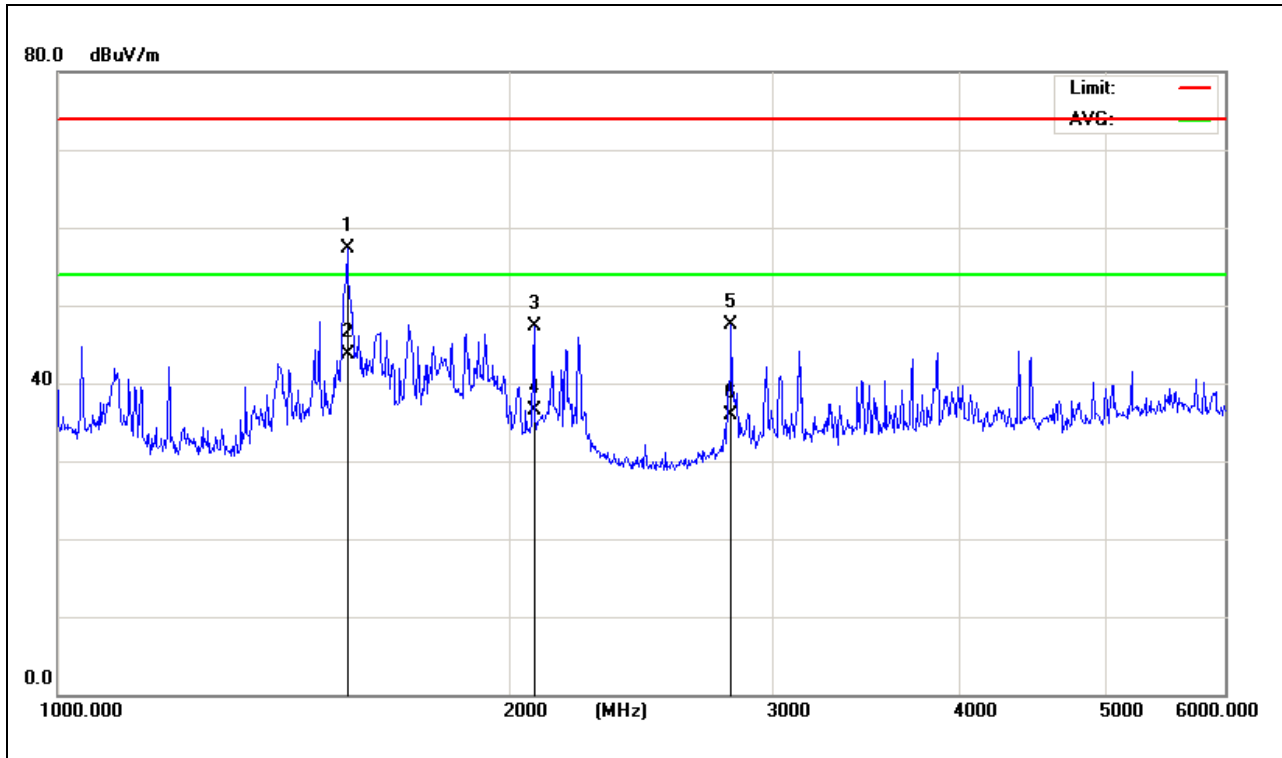


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1	!	38.7518	19.03	15.59	34.62	40.00	-5.38	QP		
2	*	85.8983	25.30	9.66	34.96	40.00	-5.04	QP		
3	!	135.0319	24.68	13.13	37.81	43.50	-5.69	QP		
4		239.9874	23.45	13.18	36.63	46.00	-9.37	QP		
5		317.7010	19.59	16.82	36.41	46.00	-9.59	QP		
6	!	771.4486	12.66	27.83	40.49	46.00	-5.51	QP		

Remark:

Factor = Antenna Factor + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-25
Test Mode:	Mode 1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(AC Power#1)		

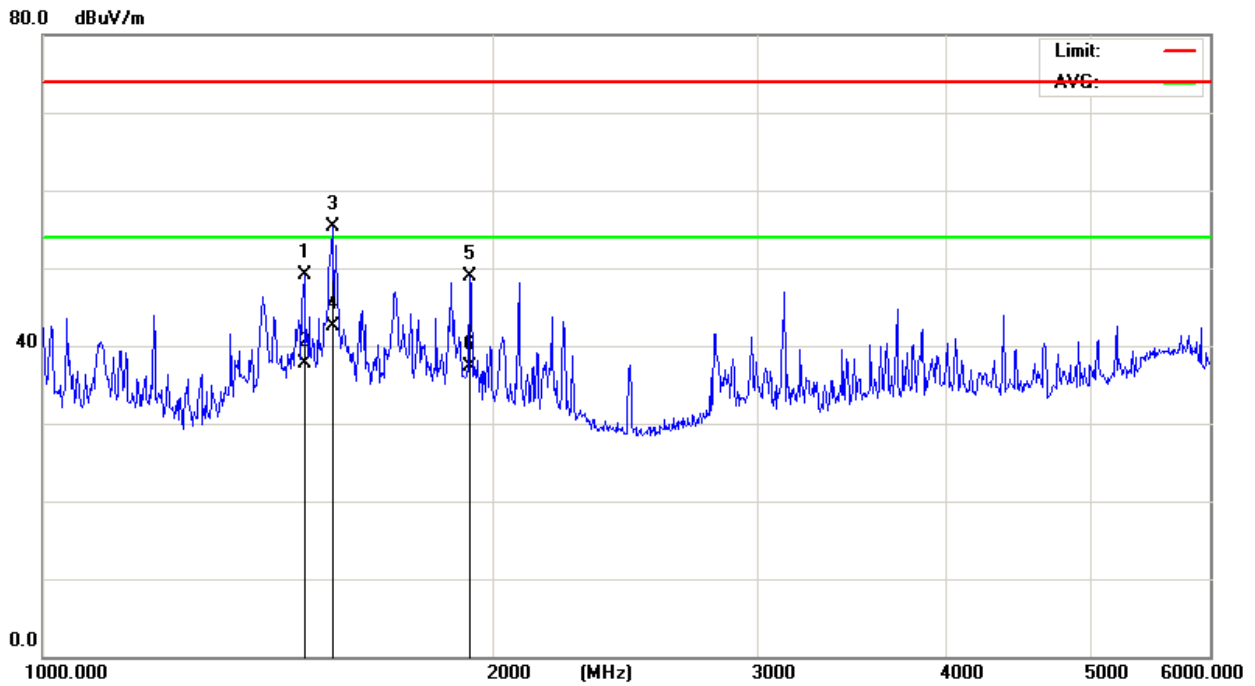


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		1559.486	69.72	-12.50	57.22	74.00	-16.78			peak
2	*	1559.486	56.20	-12.50	43.70	54.00	-10.30			AVG
3		2077.235	57.46	-10.18	47.28	74.00	-26.72			peak
4		2077.235	46.78	-10.18	36.60	54.00	-17.40			AVG
5		2811.857	56.44	-8.95	47.49	74.00	-26.51			peak
6		2811.857	44.85	-8.95	35.90	54.00	-18.10			AVG

Remark:

Factor = Antenna Factor + Cable Loss.

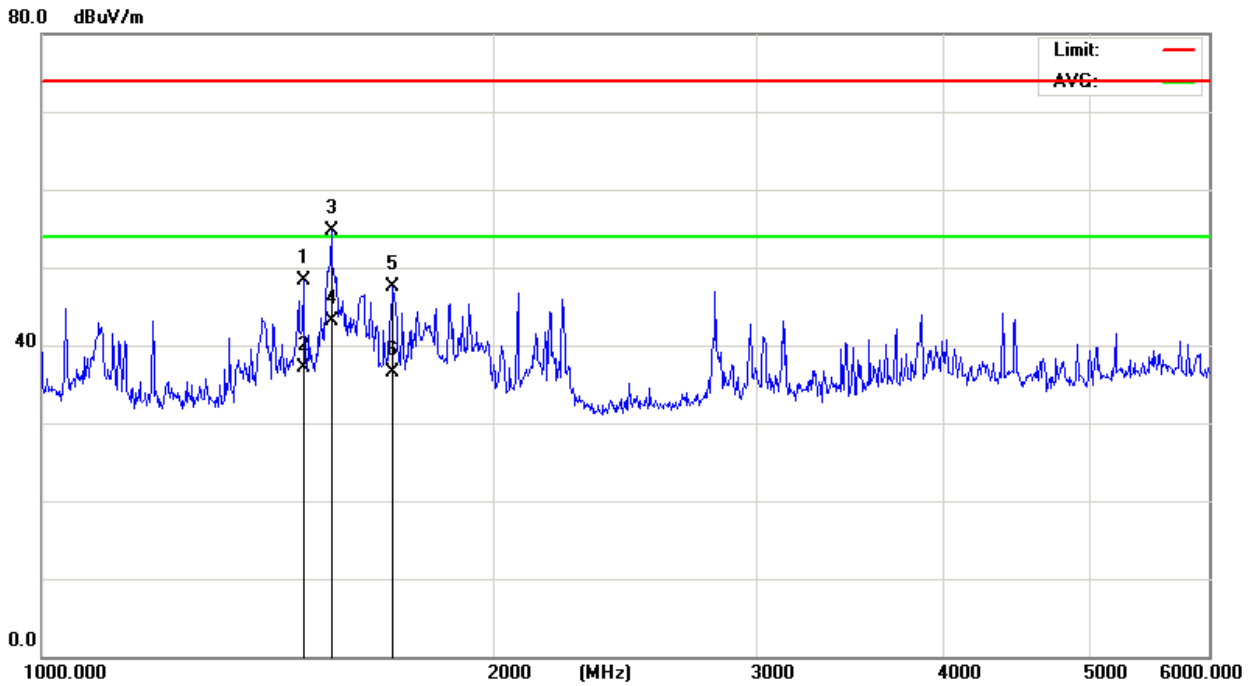
EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-25
Test Mode:	Mode 1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(AC Power#1)		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1		1493.846	61.93	-12.84	49.09	74.00	-24.91	peak			
2		1493.846	50.64	-12.84	37.80	54.00	-16.20	AVG			
3		1559.486	67.86	-12.50	55.36	74.00	-18.64	peak			
4	*	1559.486	55.10	-12.50	42.60	54.00	-11.40	AVG			
5		1926.652	59.51	-10.63	48.88	74.00	-25.12	peak			
6		1926.652	47.93	-10.63	37.30	54.00	-16.70	AVG			

Remark:
Factor = Antenna Factor + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-25
Test Mode:	Mode 1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(AC Power#2)		

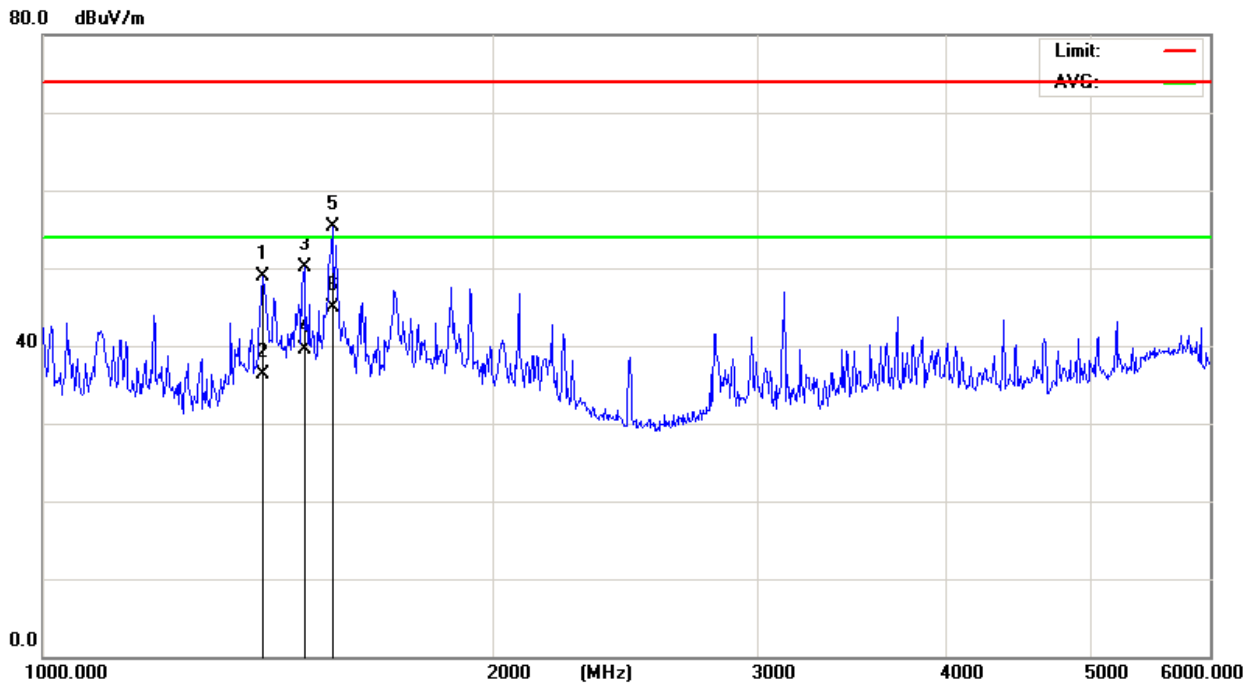


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Detector	Comment
1		1493.846	61.24	-12.84	48.40	74.00	-25.60			peak	
2		1493.846	49.94	-12.84	37.10	54.00	-16.90			AVG	
3		1559.486	67.22	-12.50	54.72	74.00	-19.28			peak	
4	*	1559.486	55.70	-12.50	43.20	54.00	-10.80			AVG	
5		1714.840	59.18	-11.72	47.46	74.00	-26.54			peak	
6		1714.840	48.22	-11.72	36.50	54.00	-17.50			AVG	

Remark:

Factor = Antenna Factor + Cable Loss.

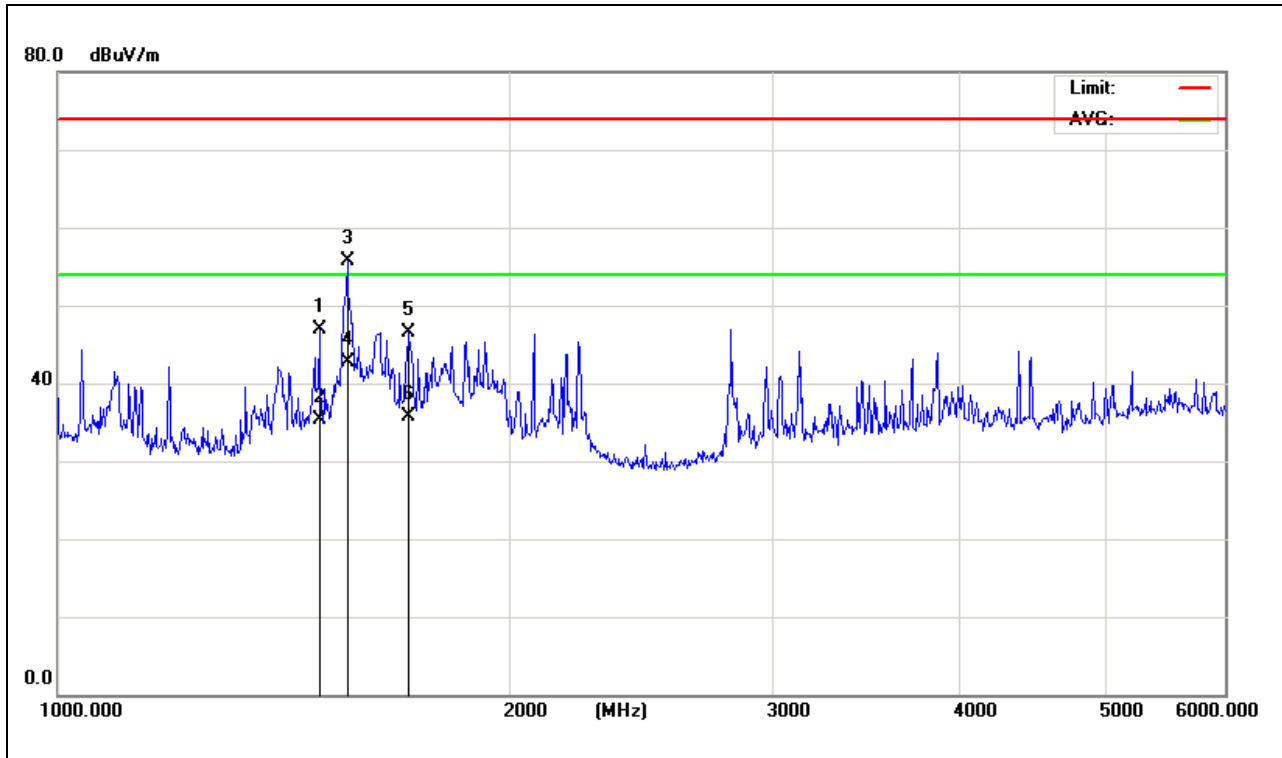
EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-25
Test Mode:	Mode 1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(AC Power#2)		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Detector	Comment
1		1400.530	61.86	-13.04	48.82	74.00	-25.18			peak	
2		1400.530	49.44	-13.04	36.40	54.00	-17.60			AVG	
3		1493.846	62.93	-12.84	50.09	74.00	-23.91			peak	
4		1493.846	52.44	-12.84	39.60	54.00	-14.40			AVG	
5		1559.486	67.86	-12.50	55.36	74.00	-18.64			peak	
6	*	1559.486	57.40	-12.50	44.90	54.00	-9.10			AVG	

Remark:
Factor = Antenna Factor + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Polarization:	Horizontal
Test Power:	AC 120V/60Hz(AC Power#3)		

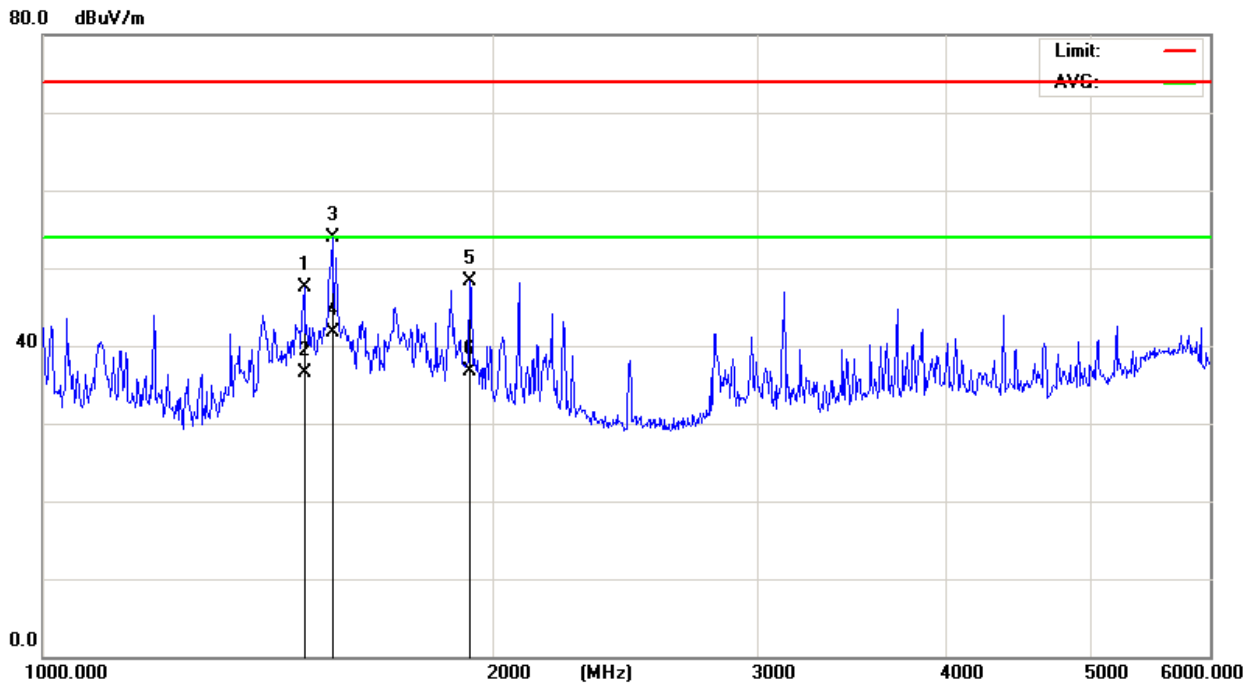


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1	1493.846	59.74	-12.84	46.90	74.00	-27.10	peak			
2	1493.846	48.24	-12.84	35.40	54.00	-18.60	AVG			
3	1559.486	68.22	-12.50	55.72	74.00	-18.28	peak			
4 *	1559.486	55.30	-12.50	42.80	54.00	-11.20	AVG			
5	1714.840	58.18	-11.72	46.46	74.00	-27.54	peak			
6	1714.840	47.42	-11.72	35.70	54.00	-18.30	AVG			

Remark:

Factor = Antenna Factor + Cable Loss.

EUT:	36 Inch Sound Bar 5.1 System	Model Name :	SB3651-E6
Temperature:	24°C	Relative Humidity:	54%
Pressure:	1010hPa	Test Date:	2017-02-21
Test Mode:	Mode 1	Polarization:	Vertical
Test Power:	AC 120V/60Hz(AC Power#3)		



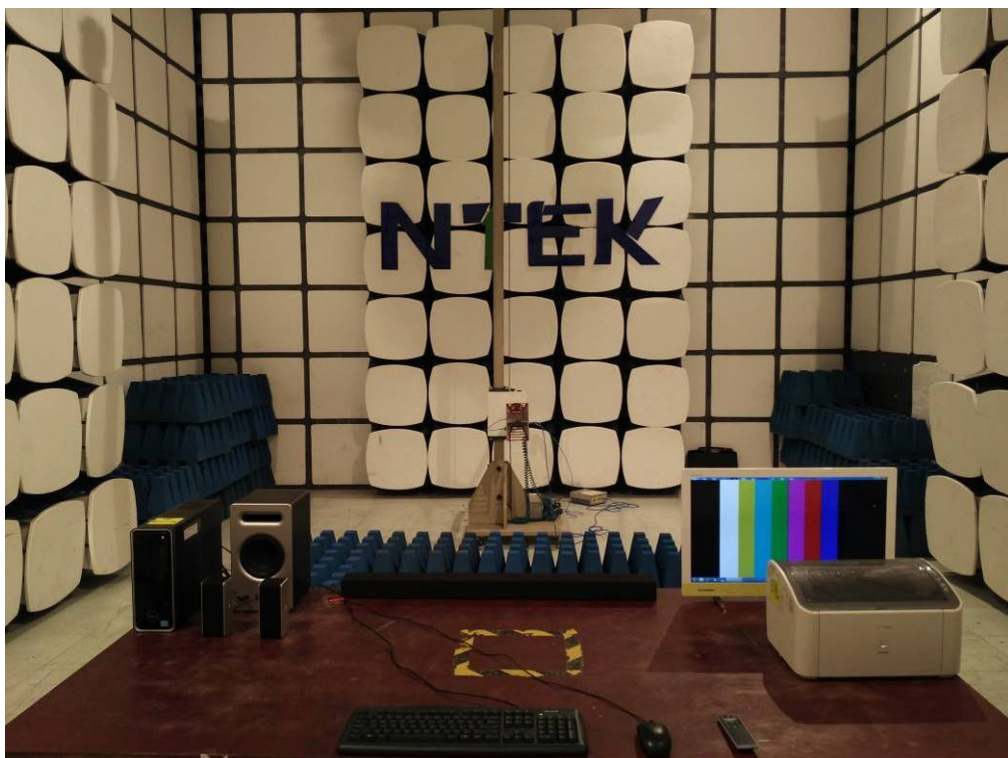
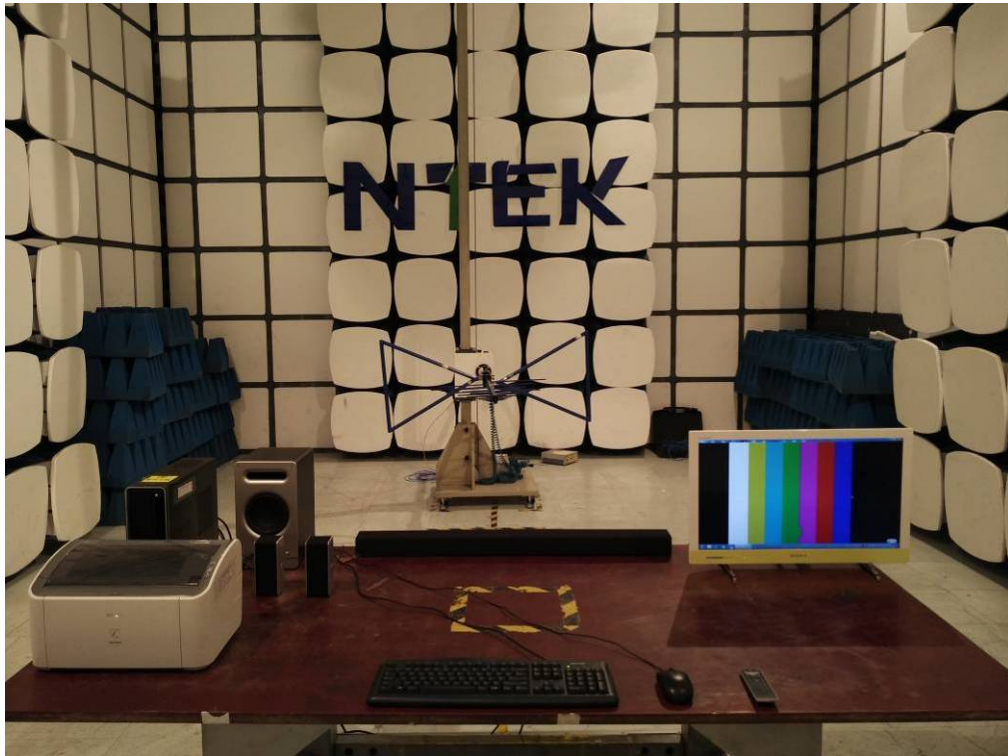
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1		1493.846	60.43	-12.84	47.59	74.00	-26.41	peak			
2		1493.846	49.34	-12.84	36.50	54.00	-17.50	AVG			
3		1559.486	66.36	-12.50	53.86	74.00	-20.14	peak			
4	*	1559.486	54.20	-12.50	41.70	54.00	-12.30	AVG			
5		1926.652	59.01	-10.63	48.38	74.00	-25.62	peak			
6		1926.652	47.33	-10.63	36.70	54.00	-17.30	AVG			

Remark:

Factor = Antenna Factor + Cable Loss.

4. EUT TEST PHOTO

Radiated Measurement Photos



Conducted Measurement Photos

