Compliance Laboratory

TEST REPORT

For

Applicant :	**Platform2 International Limited**
Address :	**ROOM 905, SEAPOWER CENTRE, 73 LEI MUK ROAD, KWAI CHUNG, N.T., Hongkong**
Product Name :	**Sound bar**
Model Name :	**UD-1404**
Brand Name :	**N/A**
FCC ID :	**NKTUD-1404**
Report No. :	**MTE/DYY/A15070788**
Date of Issue :	**Jul. 06, 2015**

Issued by :	**Most Technology Service Co., Ltd.**
Address :	**No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China**
Tel :	**86-755-8602 6850**
Fax :	**86-755-2601 3350**

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1.VERIFICATION OF CONFORMITY

Equipment Under Test:	Sound bar
Brand Name:	N/A
Model Number:	UD-1404
FCC ID:	NKTUD-1404
Applicant:	Platform2 International Limited
	ROOM 905, SEAPOWER CENTRE, 73 LEI MUK ROAD, KWAI CHUNG, N.T., Hongkong
Manufacturer:	Plastoform Electronics (Shenzhen) Company Limited.
	Building No. 16, 21 B Zone, The 1st Industrial Zone, Gonghe Community, Shajing Street, Baoan District, Shenzhen City, Guangdong, P.R.C
Technical Standards:	47 CFR Part 15 Subpart C
File Number:	MTE/DYY/A15070788
Date of test:	Jun. 29-Jul. 03, 2015
Deviation:	None
Condition of Test Sample:	Normal
Test Result:	PASS

The above equipment was tested by Most Technology Service Co., Ltd. for compliance with the requirements set forth in FCC rules and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Prepared by (+ signature): Daisy

Daisy Yu Jun. 29-Jul. 03, 2015

Review by (+ signature): Henry

MOST TECHNOLOGY SERVICE CO., LTD. APPROVED * EMC & SAFETY *

Henry Chen Jul. 06, 2015

Approved by (+ signature):

Yvette Zhou(Manager) Jul. 06, 2015

2. GENERAL INFORMATION

2.1 Product Information

Product	Sound bar
Brand Name	N/A
Model Number	UD-1404
Series Model Name:	N/A
Series Model Difference description:	N/A
Power Supply	DC 19V by Adapter
Frequency Range	802.11b/g/n(20MHz): 2412-2462MHz 802.11n(40MHz): 2422-2452MHz
Modulation Type:	IEEE 802.11b mode: DSSS IEEE 802.11g mode: OFDM 802.11n Standard-20 MHz Channel mode: OFDM 802.11n Standard-40 MHz Channel mode: OFDM
Channel Number	802.11b/g/n(20MHz): 11 802.11n(40MHz): 7
Antenna Type	Internal PCB Antenna
	Gain: 3 dBi
	Internal: on board antenna
Temperature Range	-10°C ~ +45°C

NOTE:

1. For a more detailed features description about the EUT, please refer to User's Manual.

2.2 Objective

The objective of the report is to perform tests according to FCC Part 15 Subpart C for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15	Radio Frequency Devices
2	KDB 558074	Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under §15.247

2.3 Test Standards and Results

No.	Section	Test Items	Result	Date of Test
1	FCC 15.247 (i)	RF EXPOSURE	PASS	2015-06-29
2	FCC 15.203	Antenna Requirement	PASS	2015-06-29
3	FCC15.207 (a)	AC Power Line Conducted Emission	PASS	2015-06-29
4	FCC15.209, 15.247(d)	Radiated Emission	PASS	2015-07-03
5	FCC15.247(b)(3)	Conducted Peak Output Power	PASS	2015-06-29
6	FCC15.247(a)(2)	6dB Emission Bandwidth	PASS	2015-06-29
7	FCC15.247(e)	Power Spectral Density	PASS	2015-06-29
8	FCC15.247(d)	Band Edge and Conducted Spurious Emissions	PASS	2015-06-29
9	FCC15.247(d)	Restricted Frequency Bands	PASS	2015-06-30

Note: 1. The test result judgment is decided by the limit of measurement standard
2. The information of measurement uncertainty is available upon the customer's request.

2.4 Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:
- Temperature: 15-35ºC
- Humidity: 30-60 %
- Atmospheric pressure: 86-106 kPa

3. TEST METHODOLOGY

3. 1TEST FACILITY

Test Site:	Most Technology Service Co., Ltd
Location:	No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan, Shenzhen, Guangdong, China
Description:	There is one 3m semi-anechoic an area test sites and two line conducted labs for final test. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009 and CISPR 16 requirements. The FCC Registration Number is **490827.** The **IC** Registration Number is **7103A-1.**
Site Filing:	The site description is on file with the Federal Communications Commission, 7435 Oakland Mills Road, Columbia, MD 21046.
Instrument Tolerance:	All measuring equipment is in accord with ANSI C63.4:2009 and CISPR 16 requirements that meet industry regulatory agency and accreditation agency requirement.
Ground Plane:	Two conductive reference ground planes were used during the Line Conducted Emission, one in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40 cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna.

3.2 GENERAL TEST PROCEDURES

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 8.3.1 of ANSI C63.4:2009.

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 8.3.1 of ANSI C63.4:2009,Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

4. SETUP OF EQUIPMENT UNDER TEST

4.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

4.2 SUPPORT EQUIPMENT

Device Type	Manufacturer	Model Name	Serial No.	Data Cable	Power Cable
Monitor	PHILIPS	HEW8220Q	HCWBZR10016-3A	Shielded, 1.8m	Unshielded, 1.8m

Remark:
All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.3 TEST EQUIPMENT LIST

No.	Equipment	Manufacturer	Model No.	S/N	Calibration date	Calibration Interval
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2015/03/10	1 Year
2	Spectrum Analyzer	Agilent	E7405A	US44210471	2015/03/14	1 Year
3	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2015/03/10	1 Year
4	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015/03/07	1 Year
5	Terminator	Hubersuhner	50Ω	No.1	2015/03/07	1 Year
6	RF Cable	SchwarzBeck	N/A	No.1	2015/03/07	1 Year
7	Test Receiver	Rohde & Schwarz	ESPI	101202	2015/03/10	1 Year
8	Bilog Antenna	Sunol	JB3	A121206	2015/03/14	1 Year
9	Horn Antenna	SCHWARZBECK	BBHA9120D	756	2015/03/14	1 Year
10	Horn Antenna	Penn Engineering	9034	8376	2015/03/14	1 Year
11	Cable	Resenberger	N/A	NO.1	2015/03/07	1 Year
12	Cable	SchwarzBeck	N/A	NO.2	2015/03/07	1 Year
13	Cable	SchwarzBeck	N/A	NO.3	2015/03/07	1 Year
14	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2015/03/07	1 Year
15	Test Receiver	Rohde & Schwarz	ESCI	100492	2015/03/10	1 Year
16	Power Meter	R&S	NRVS	100696	2014/07/06	1 Year
17	Power Sensor(AV)	R&S	URV5-Z4	0395.1619.05	2014/07/06	1 Year

Instrumentation: The following list contains equipment used at Most for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10 kHz to 1.0 GHz or above.

NOTE: *Equipments listed above have been calibrated and are in the period of validation.*

5. 47 CFR Part 15 C Requirements

5.1 RF EXPOSURE

5.1.1 Applicable Standard

According to§15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v05r02:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance,

mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

The result is rounded to one decimal place for comparison

3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

5.1.2 Measurement Result

The maximum conducted output power= 9.50 dBm (8.91 mW) at 2402 MHz [(max. power of channel, mW)/(min. test separation distance, mm)] [√f(GHz)]

= 8.91/5*(√2.452) = 2.79< 3.0

So the stand-alone SAR evaluation is not necessary.

5.2 ANTENNA REQUIREMENT

5.2.1 Applicable Standard

According to FCC § 15.203 , An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

5.2.2 Evaluation Criteria

(a) Antenna must be permanently attached to the unit.
(b) Antenna must use a unique type of connector to attach to the EUT.
Unit must be professionally installed, Installer shall be responsible for verifying that the correct antenna is employed with the unit.

5.2.3 Result: Compliance.

The EUT has one integral antenna arrangement, which was permanently attached and the antenna gain is 3 dBi, fulfill the requirement of this section.

5.3 AC Power Line Conducted Emission

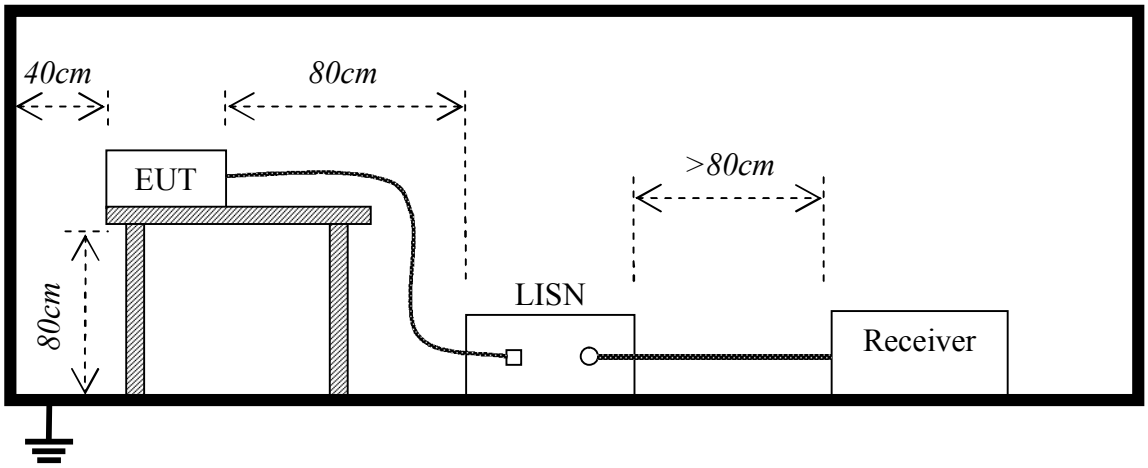
5.3.1Requirement

A radio apparatus that is designed to be connected to the public utility (AC) power line shall ensure that the radio frequency voltage, which is conducted back onto the AC power line on any frequency or frequencies within the and 150 kHz-30 MHz, shall not exceed the limits in the following table:

Frequency	Maximum RF Line Voltage	
	Q.P.(dBuV)	Average(dBuV)
150kHz-500kHz	66-56	56-46
500kHz-5MHz	56	46
5MHz-30MHz	60	50

***Note:** 1. the lower limit shall apply at the band edges.*
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

5.3.2 Block Diagram of Test Setup



5.3.3 Test procedure

1. The relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2009 on conducted measurement.
2. Exploratory measurements were made to identify the frequency of the emission that has the highest amplitude relative to the limit;
3. The EUT was placed 0.4 meters from the conducting wall of shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). The LISN provide 50Ω/50μH of coupling impedance for the measuring instrument.
4. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
5. The bandwidth of test receiver (ESCI) set at 9 KHz.
6. All data was recorded in the Quasi-peak and average detection mode.

5.3.4 Test Result

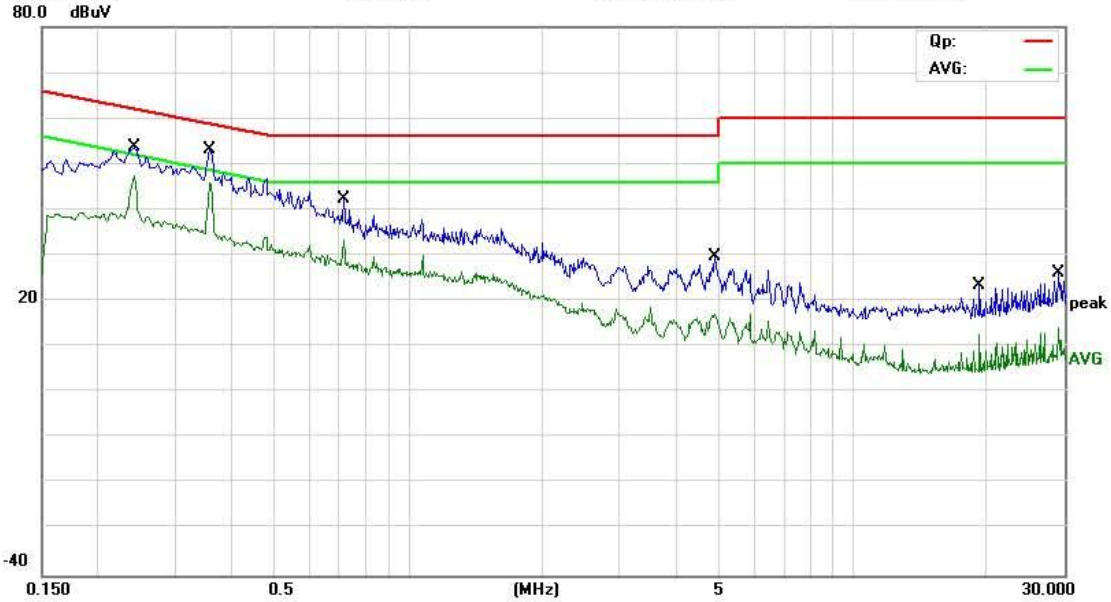
Pass

Note: All test modes are performed, only the worst case is recorded in this report.

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Conducted Emission Measurement

File :UD-1404 Data :#81 Date: 2015/06/29 Time: 14:22:55



Site MOST #1 Phase: N Temperature: 24.5
Limit: FCC Part15 B Class B QP Power: DC 19V by Adapter Humidity: 50.4 %
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2420	42.08	11.72	53.80	62.03	-8.23	QP	
2	*	0.2420	35.62	11.72	47.34	52.03	-4.69	AVG	
3		0.3580	42.16	10.95	53.11	58.77	-5.66	QP	
4		0.3580	31.40	10.95	42.35	48.77	-6.42	AVG	
5		0.7180	32.43	10.00	42.43	56.00	-13.57	QP	
6		0.7180	23.44	10.00	33.44	46.00	-12.56	AVG	
7		4.9100	17.90	11.91	29.81	56.00	-26.19	QP	
8		4.9100	5.19	11.91	17.10	46.00	-28.90	AVG	
9		19.3940	14.48	9.00	23.48	60.00	-36.52	QP	
10		19.3940	3.76	9.00	12.76	50.00	-37.24	AVG	
11		29.0940	17.12	9.00	26.12	60.00	-33.88	QP	
12		29.0940	5.25	9.00	14.25	50.00	-35.75	AVG	

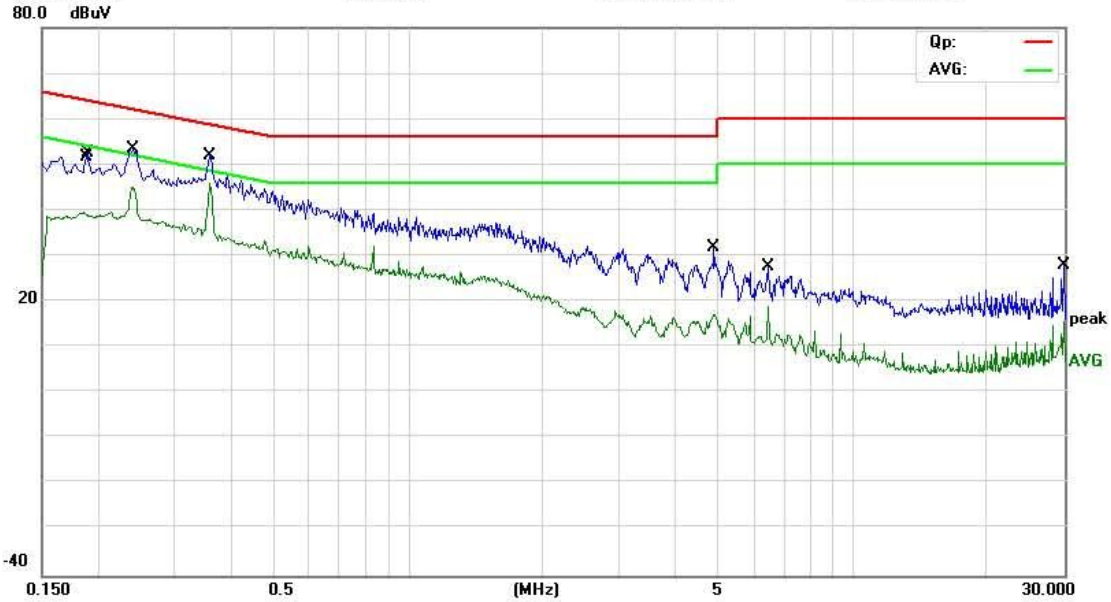
*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Conducted Emission Measurement

File :UD-1404 Data :#82 Date: 2015/06/29 Time: 14:29:54



Site MOST #1 Phase: L1 Temperature: 24.5
Limit: FCC Part15 B Class B QP Power: DC 19V by Adapter Humidity: 50.4 %
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1860	28.37	11.16	39.53	54.21	-14.68	AVG	
2		0.1900	41.21	11.40	52.61	64.04	-11.43	QP	
3		0.2380	33.38	11.75	45.13	52.17	-7.04	AVG	
4		0.2404	41.68	11.73	53.41	62.08	-8.67	QP	
5		0.3580	41.04	10.95	51.99	58.77	-6.78	QP	
6	*	0.3580	35.03	10.95	45.98	48.77	-2.79	AVG	
7		4.8980	19.86	11.90	31.76	56.00	-24.24	QP	
8		4.9220	5.14	11.92	17.06	46.00	-28.94	AVG	
9		6.4620	16.42	11.12	27.54	60.00	-32.46	QP	
10		6.4620	7.76	11.12	18.88	50.00	-31.12	AVG	
11		29.9580	18.97	9.00	27.97	60.00	-32.03	QP	
12		29.9580	6.68	9.00	15.68	50.00	-34.32	AVG	

*:Maximum data x:Over limit !:over margin

Engineer Signature: Kang

5.4 Radiated Emission

5.4.1Requirement

According to FCC section 15.247(d), In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC section 15.209(a), Except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Test Distance (m)	Field Strength (dBμV/m at 3-meter)
0.009 - 0.490	2400/F(kHz)	300	
0.490 - 1.705	24000/F(kHz)	30	
1.705-30	30	30	
30-88	100	3	40
88-216	150	3	43.5
216-960	200	3	46
Above 960	500	3	54

Note:

1. For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.

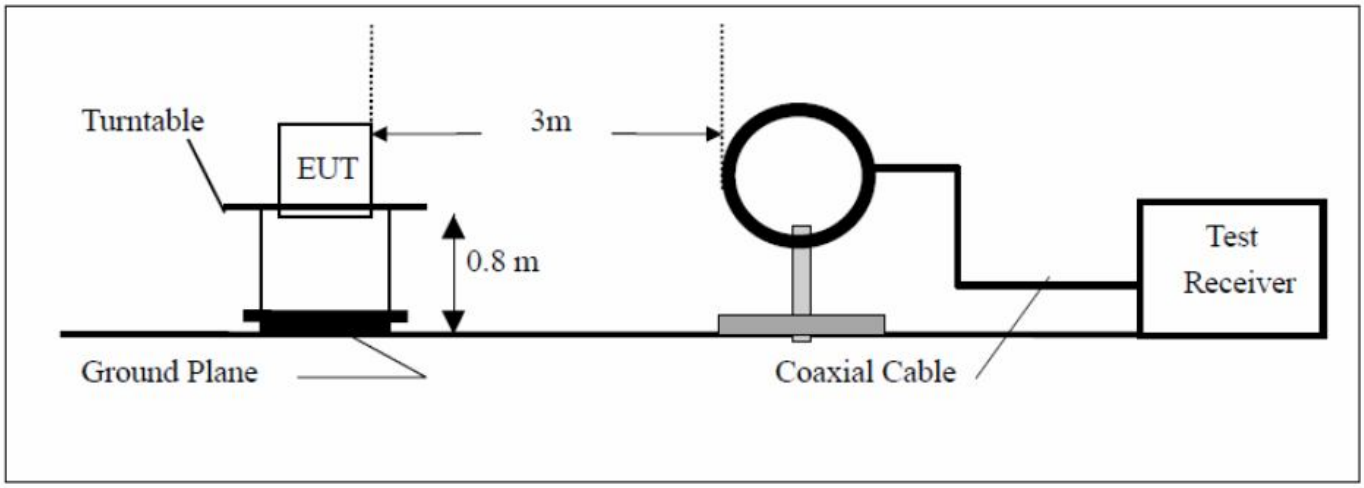
2. For above 1000MHz, limit field strength of harmonics: 54dBuV/m@3m (AV) and 74dBuV/m@3m (PK)

In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

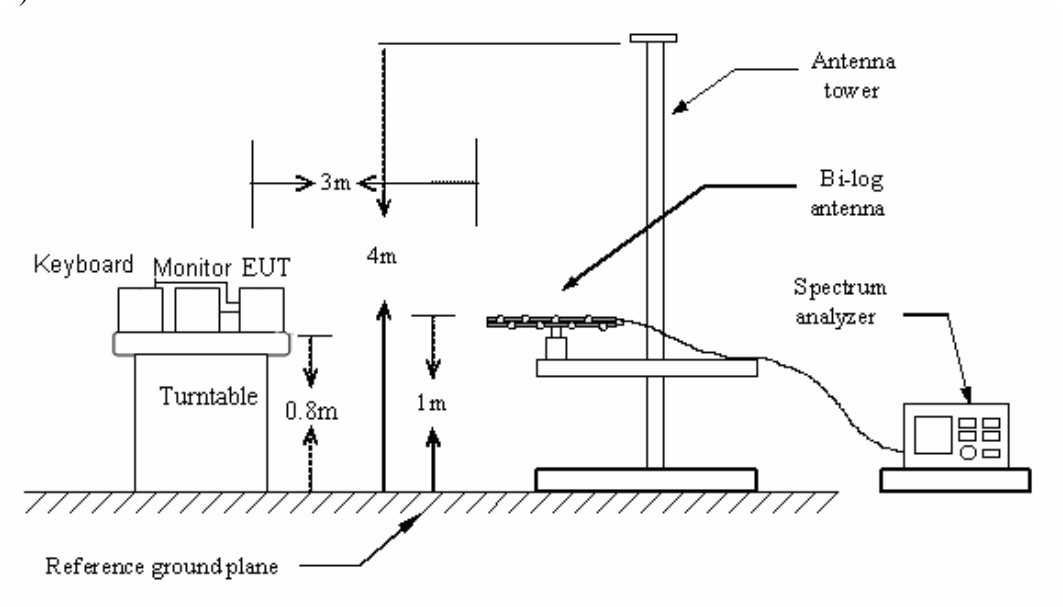
5.4.2 Test Configuration

Test Setup:

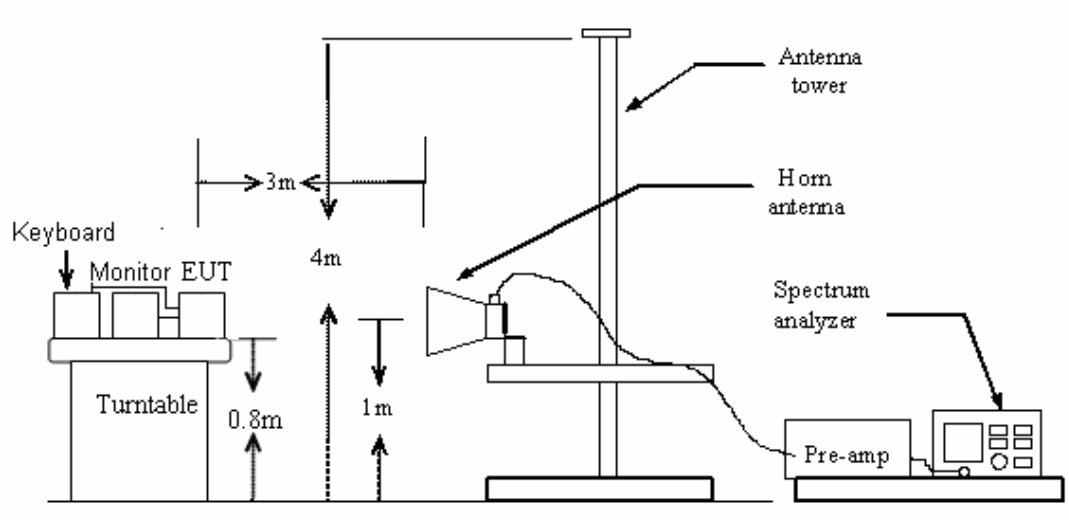
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



3) For radiated emissions above 1GHz



5.4.3 Test Procedure:

1. For frequencies above 1GHz, the frequencies of maximum emission was recorded by manually positioning the antenna close to the EUT and by moving the antenna over all sides of the EUT while observing a spectral display.
2. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
3. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
4. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
5. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rote table was turned from 0 degrees to 360 degrees to find the maximum reading.

6. For frequencies above 1GHz, horn antenna mouth should face to the EUT all the time when rise or fall.

7. Set the spectrum analyzer in the following setting as:

Below 1GHz: PEAK: RBW=100 kHz / VBW=300 kHz / Sweep=AUTO QP: RBW=120 kHz / Sweep=AUTO
Above 1GHz: (a)PEAK: RBW=VBW=1MHz / Sweep=AUTO
(b)AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO

The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

8. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

5.4.4 Test Result

Pass

Remark:

1. During the test, pre-scan the 802.11b, 802.11g, 802.11n(20M), 802.11n(40M) modulation, and found the 802.11b modulation which it is worse case in above 1GHz and the 802.11b Low channel modulation which it is worse case in below 1GHz.

2. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

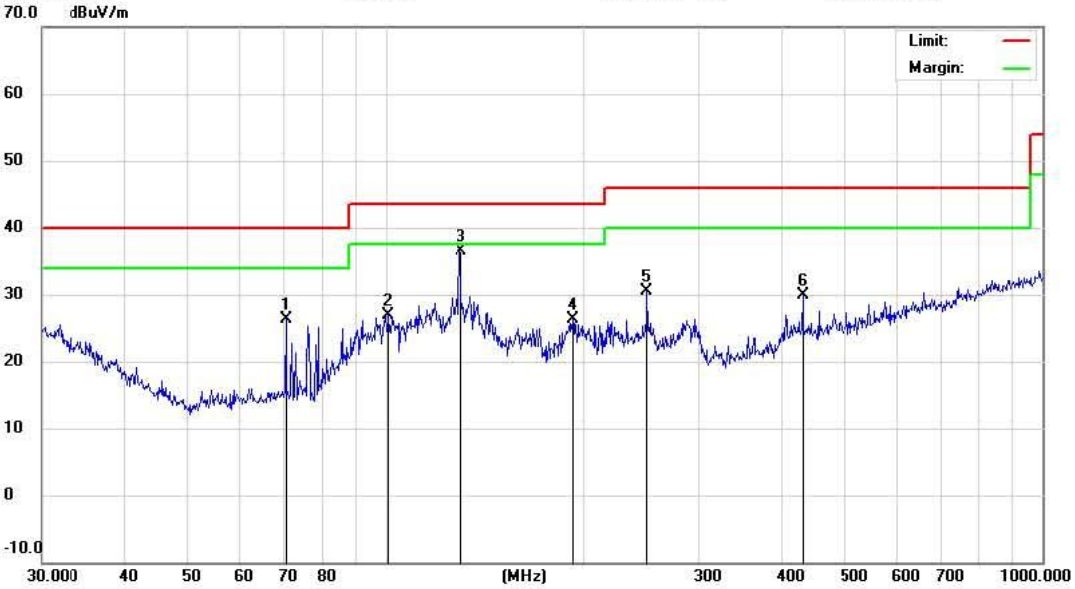
Please refer the following pages.

Below 1GHz:

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#40 Date: 2015-6-29 Time: 12:51:27



Site Chamber #1
Limit: FCC Part15 B 3M Radiation
EUT: Sound bar
M/N: UD-1404
Mode: 802.1b-CH1
Note:

Polarization: *Horizontal*
Power: DC 19 V by Adapter

Temperature: 24.9
Humidity: 51.7 %
Distance: 3m

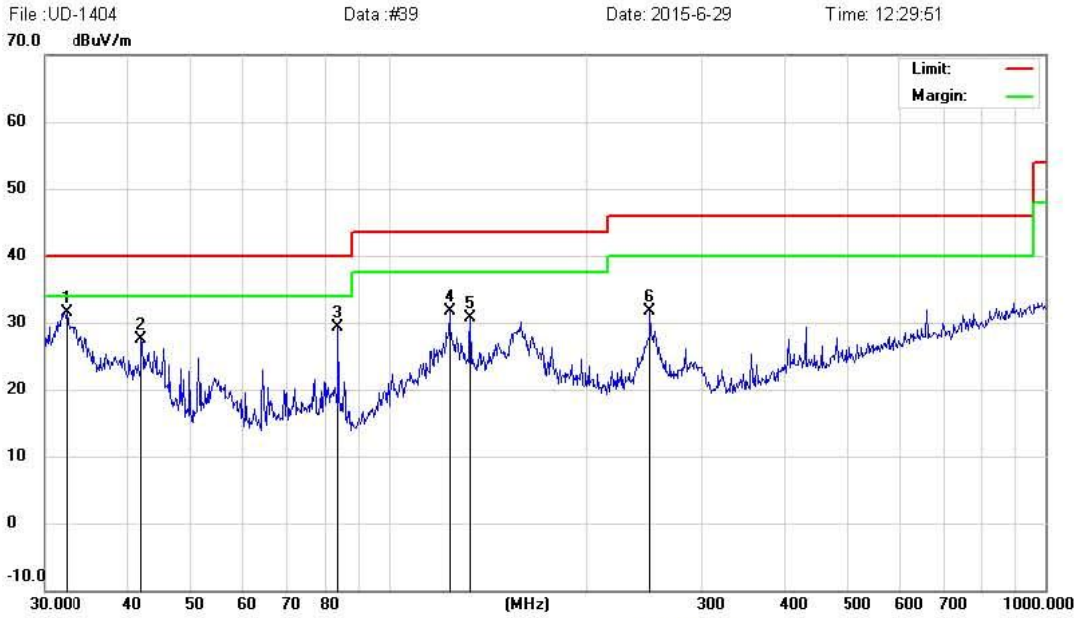
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		70.5835	14.72	11.68	26.40	40.00	-13.60	QP			
2		100.9339	13.46	13.47	26.93	43.50	-16.57	QP			
3	*	129.9226	18.79	17.70	36.49	43.50	-7.01	QP			
4		193.0944	9.45	16.85	26.30	43.50	-17.20	QP			
5		250.3011	13.09	17.41	30.50	46.00	-15.50	QP			
6		431.0314	9.54	20.30	29.84	46.00	-16.16	QP			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement



Site Chamber #1
Limit: FCC Part15 B 3M Radiation
EUT: Sound bar
M/N: UD-1404
Mode: 802.1b-CH1
Note:

Polarization: *Vertical*
Power: DC 19 V by Adapter

Temperature: 24.9
Humidity: 51.7 %

Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	32.4059	10.13	21.47	31.60	40.00	-8.40	QP			
2		42.1540	12.69	14.77	27.46	40.00	-12.54	QP			
3		83.8155	17.97	11.40	29.37	40.00	-10.63	QP			
4		123.6985	14.18	17.57	31.75	43.50	-11.75	QP			
5		133.6187	13.21	17.52	30.73	43.50	-12.77	QP			
6		250.3011	14.27	17.41	31.68	46.00	-14.32	QP			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Above 1GHz

Compliance Laboratory
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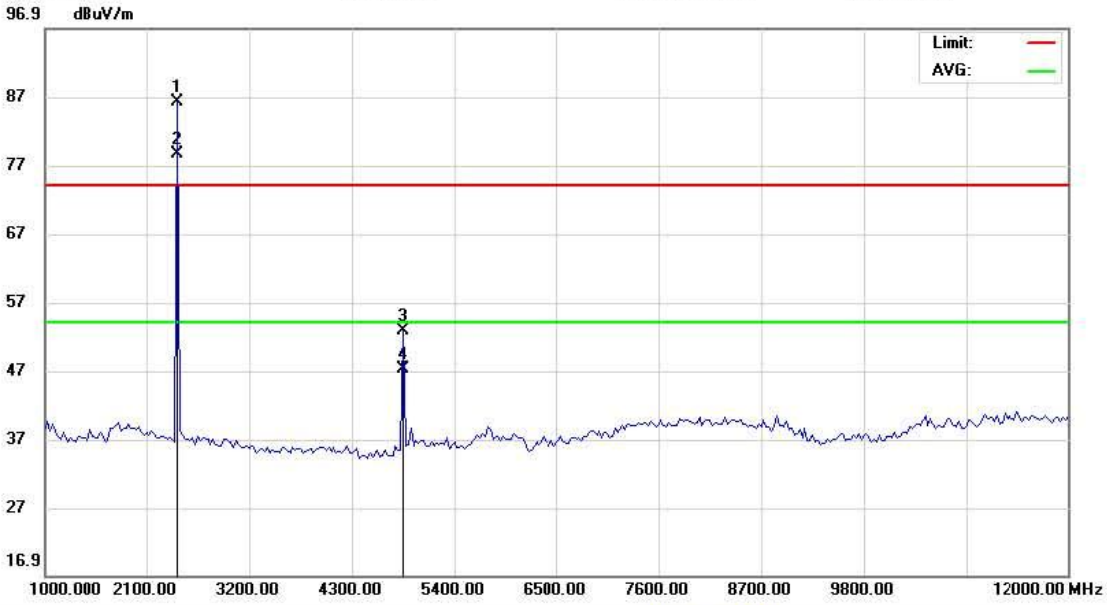
Radiated Emission Measurement

File :UD-1404 Data :#105 Date: 2015-6-30 Time: 9:19:06



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH1
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2412.000	94.65	-8.41	86.24	74.00	12.24	peak			
2	*	2412.000	87.10	-8.41	78.69	54.00	24.69	AVG			
3		4824.000	58.62	-5.91	52.71	74.00	-21.29	peak			
4		4824.000	53.05	-5.91	47.14	54.00	-6.86	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
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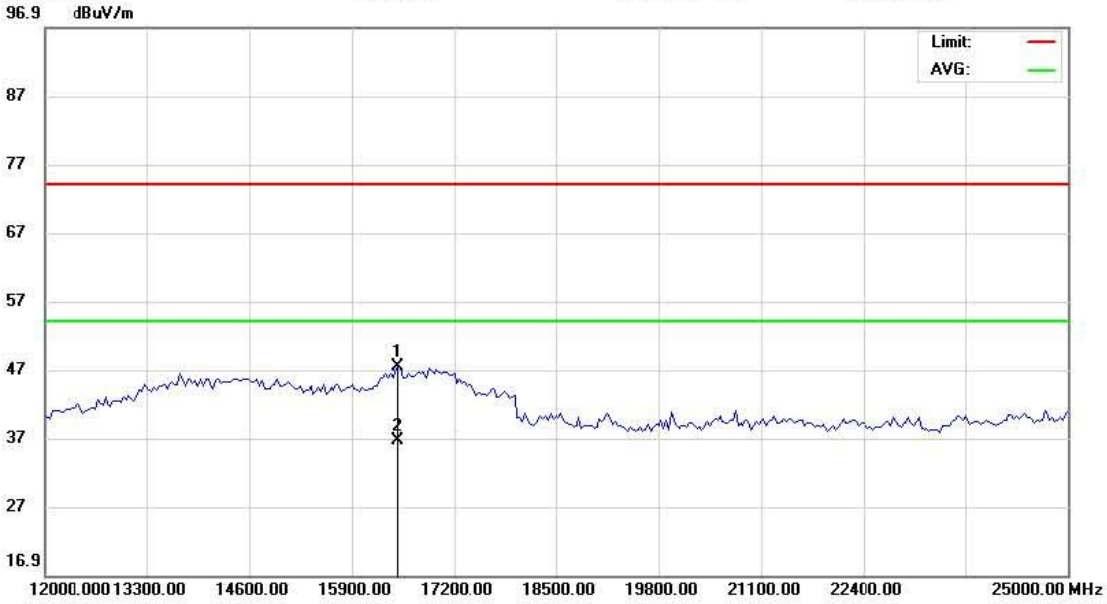
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#100 Date: 2015-6-30 Time: 8:29:45



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH1
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter

Temperature: 24.2
Humidity: 51.3 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16485.00	42.30	5.19	47.49	74.00	-26.51	peak			
2	*	16485.00	31.45	5.19	36.64	54.00	-17.36	AVG			

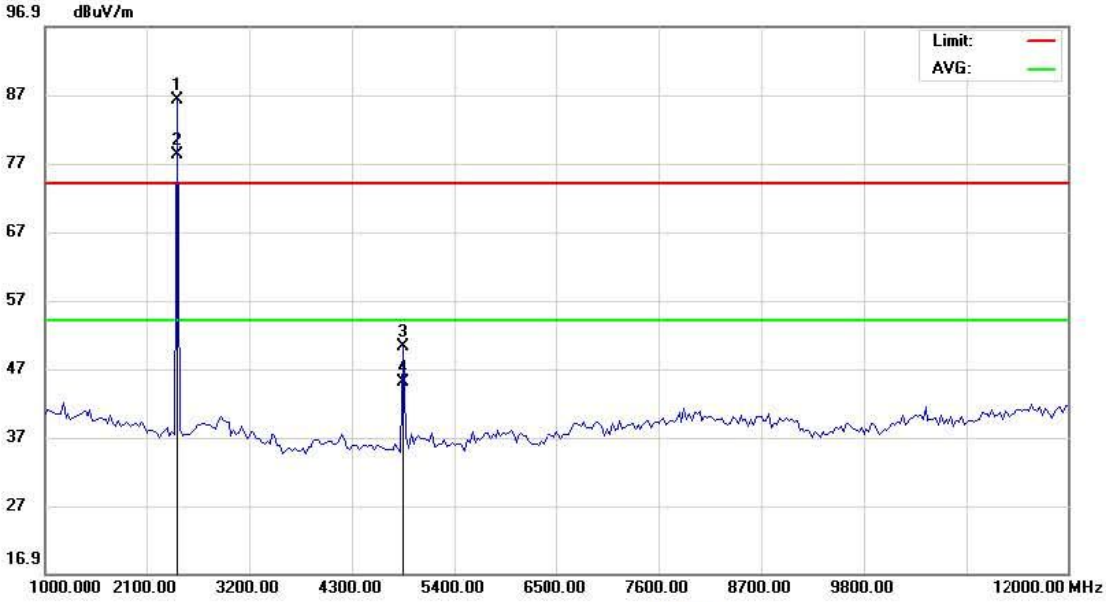
*:Maximum data x:Over limit !:over margin

Engineer Signature:

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#106 Date: 2015-6-30 Time: 9:28:24



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH1
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2412.000	94.64	-8.41	86.23	74.00	12.23	peak			
2	*	2412.000	86.55	-8.41	78.14	54.00	24.14	AVG			
3		4824.000	56.02	-5.91	50.11	74.00	-23.89	peak			
4		4824.000	51.00	-5.91	45.09	54.00	-8.91	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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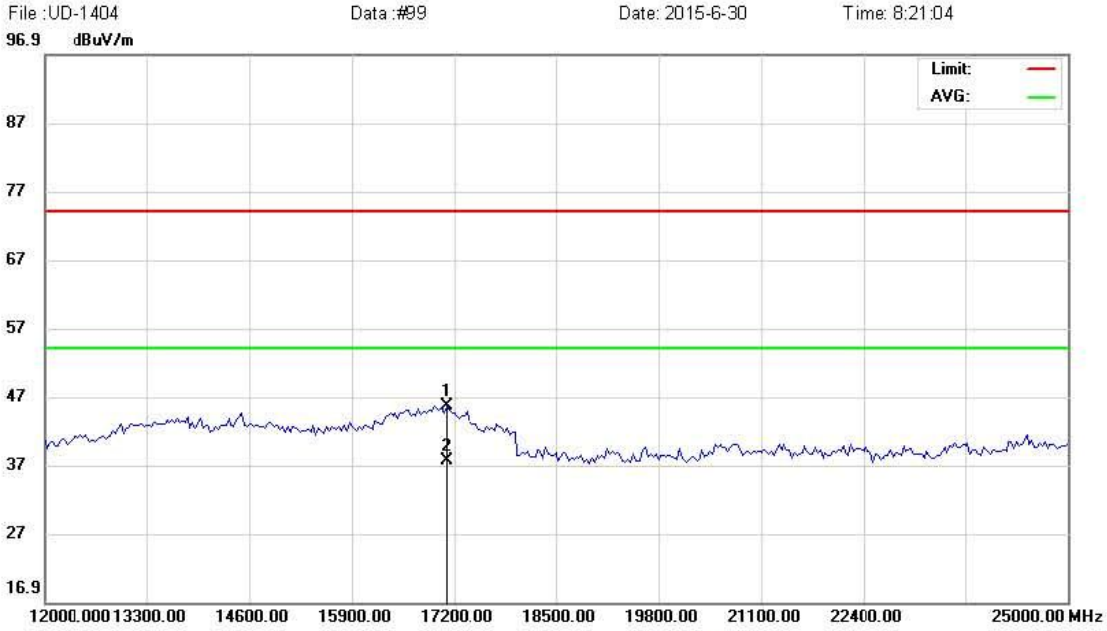
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH1
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter

Temperature: 24.2
Humidity: 51.3 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17102.50	39.23	6.37	45.60	74.00	-28.40	peak			
2	*	17102.50	31.24	6.37	37.61	54.00	-16.39	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature:

Compliance Laboratory
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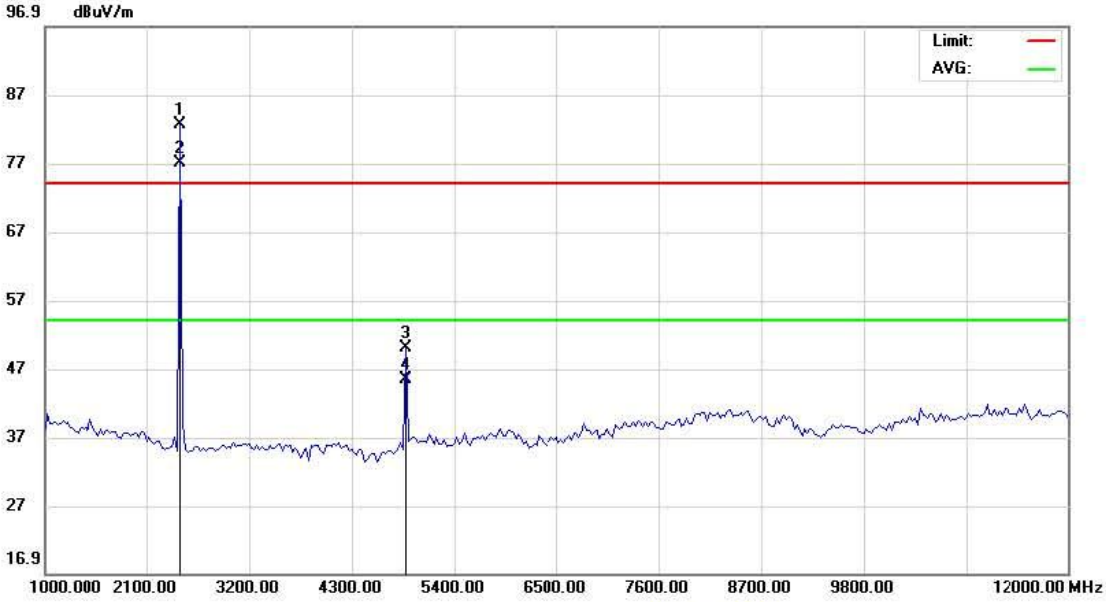
Radiated Emission Measurement

File :UD-1404 Data :#97 Date: 2015-6-30 Time: 8:00:33



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH6
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

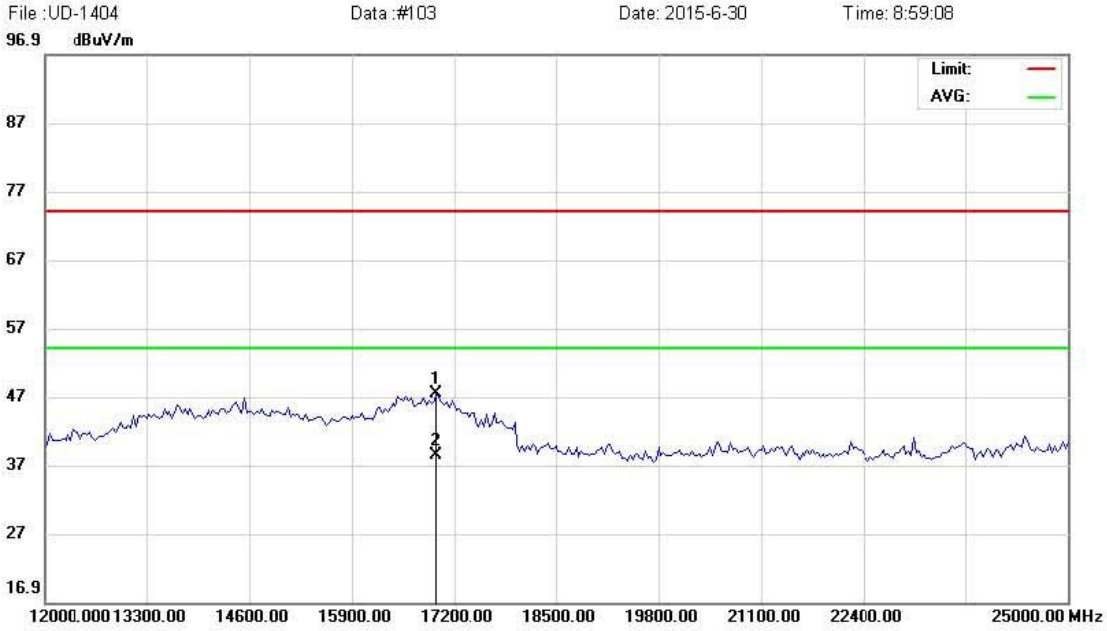
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2437.000	90.96	-8.37	82.59	74.00	8.59	peak			
2	*	2437.000	85.33	-8.37	76.96	54.00	22.96	AVG			
3		4874.000	55.31	-5.31	50.00	74.00	-24.00	peak			
4		4874.000	50.77	-5.31	45.46	54.00	-8.54	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH6
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter

Temperature: 24.2
Humidity: 51.3 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16972.50	40.53	6.84	47.37	74.00	-26.63	peak			
2	*	16972.50	31.57	6.84	38.41	54.00	-15.59	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature:

Compliance Laboratory
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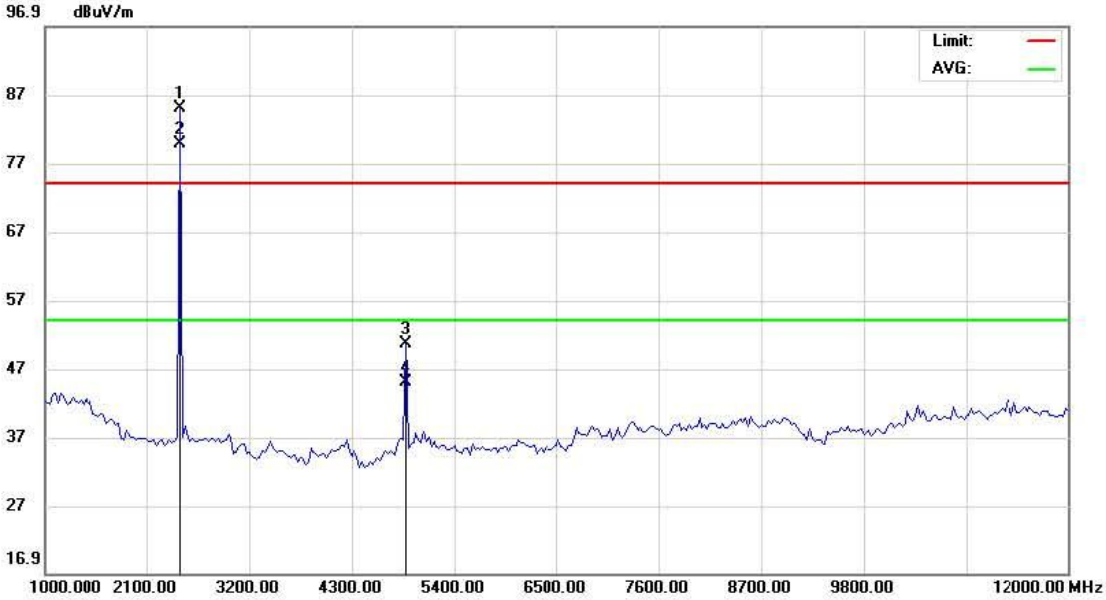
Radiated Emission Measurement

File :UD-1404 Data :#98 Date: 2015-6-30 Time: 8:12:15



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH6
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

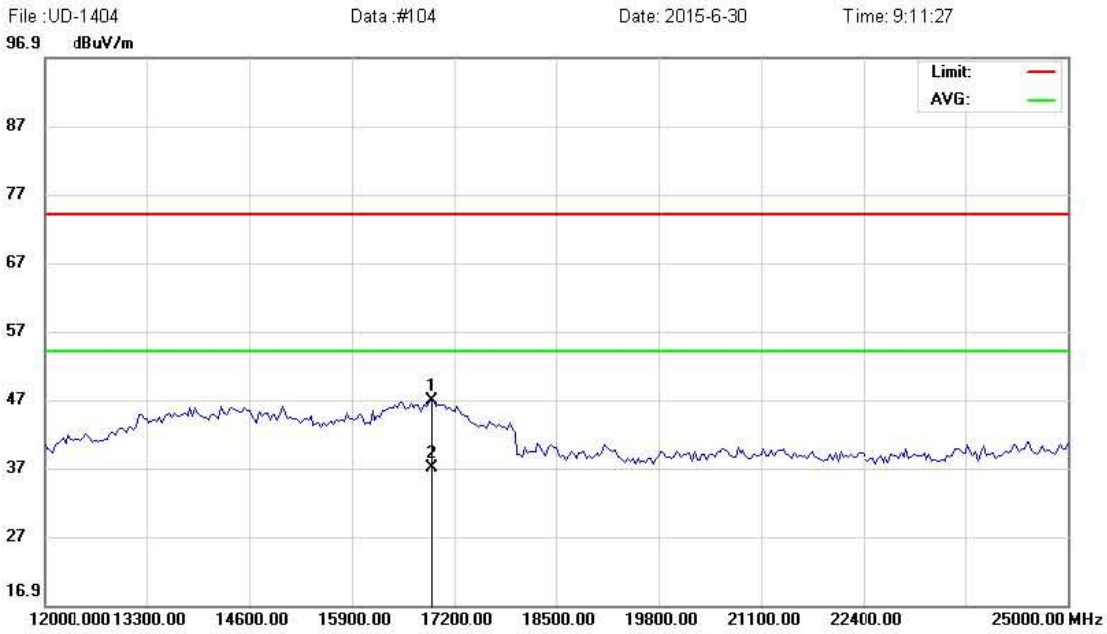
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2437.000	93.42	-8.37	85.05	74.00	11.05	peak			
2	*	2437.000	88.10	-8.37	79.73	54.00	25.73	AVG			
3		4874.000	55.89	-5.31	50.58	74.00	-23.42	peak			
4		4874.000	50.33	-5.31	45.02	54.00	-8.98	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH6
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter

Temperature: 24.2
Humidity: 51.3 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16907.50	40.19	6.62	46.81	74.00	-27.19	peak			
2	*	16907.50	30.47	6.62	37.09	54.00	-16.91	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature:

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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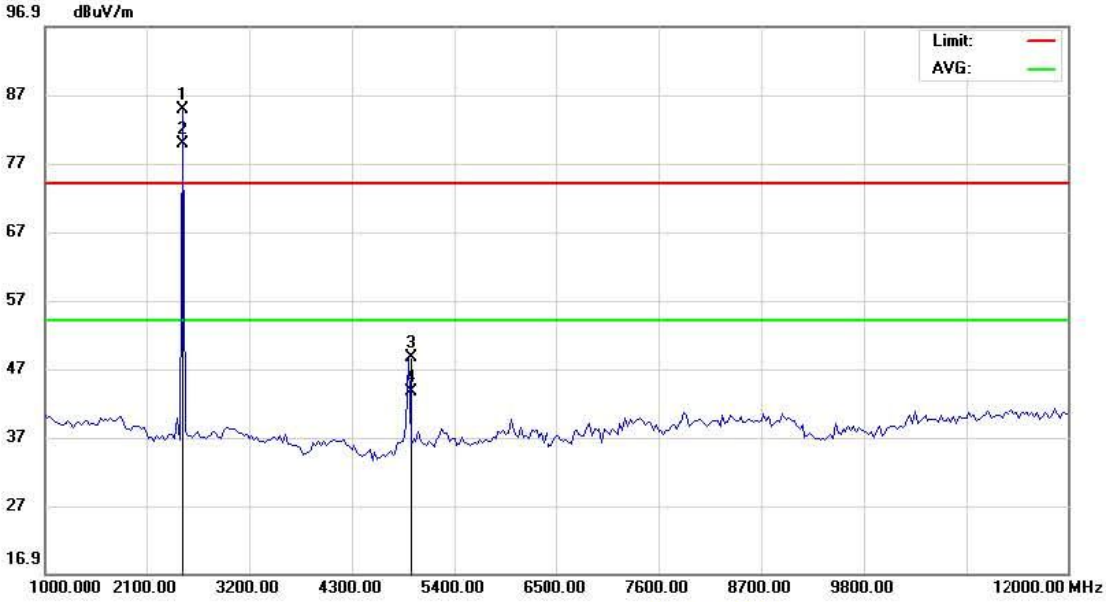
Radiated Emission Measurement

File :UD-1404 Data :#102 Date: 2015-6-30 Time: 8:47:24



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH11
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

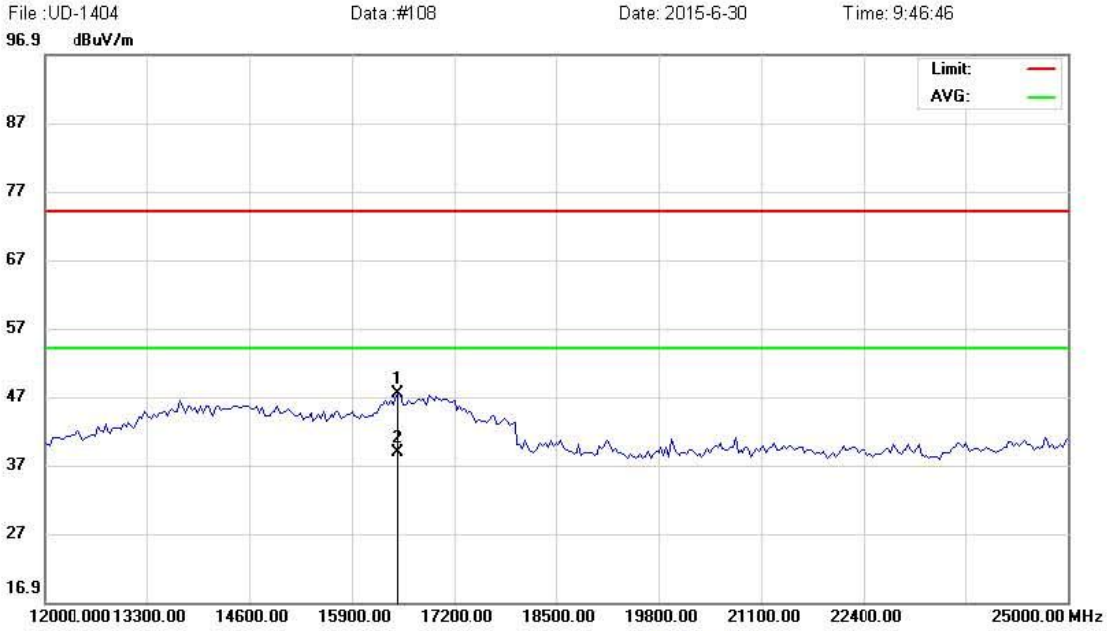
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2462.000	93.07	-8.33	84.74	74.00	10.74	peak			
2	*	2462.000	88.10	-8.33	79.77	54.00	25.77	AVG			
3		4924.000	53.25	-4.71	48.54	74.00	-25.46	peak			
4		4924.000	48.35	-4.71	43.64	54.00	-10.36	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement



Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH11
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter

Temperature: 24.2
Humidity: 51.3 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16485.00	42.30	5.19	47.49	74.00	-26.51	peak			
2	*	16485.00	33.57	5.19	38.76	54.00	-15.24	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature:

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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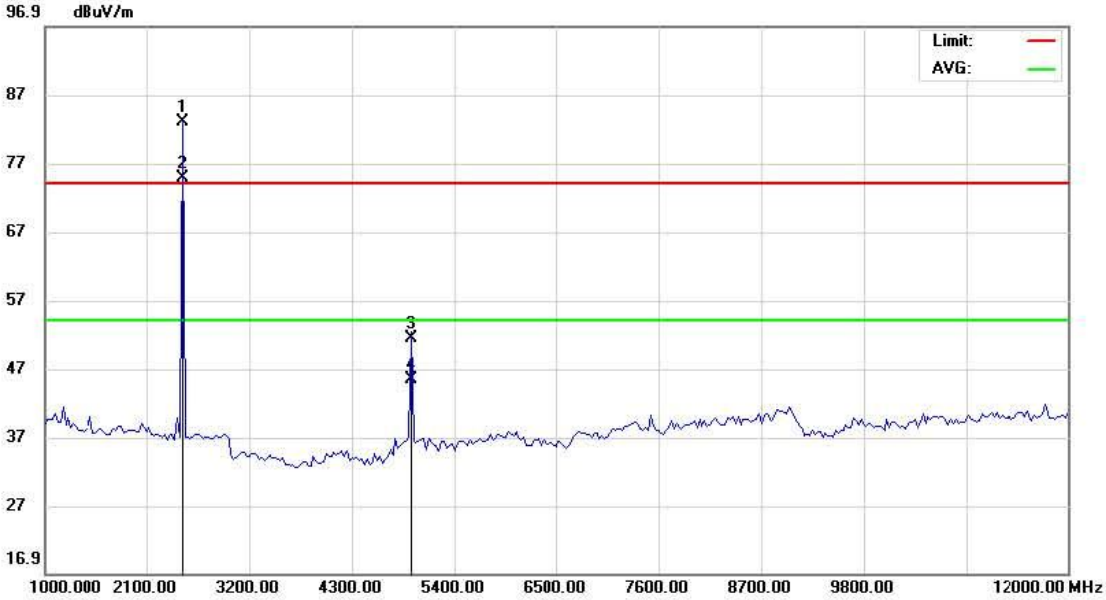
Radiated Emission Measurement

File :UD-1404 Data :#101 Date: 2015-6-30 Time: 8:38:43



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH11
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2462.000	91.40	-8.33	83.07	74.00	9.07	peak			
2	*	2462.000	83.10	-8.33	74.77	54.00	20.77	AVG			
3		4924.000	56.13	-4.71	51.42	74.00	-22.58	peak			
4		4924.000	50.15	-4.71	45.44	54.00	-8.56	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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Radiated Emission Measurement

File :UD-1404 Data :#107 Date: 2015-6-30 Time: 9:37:10

Site Chamber #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11b-CH11
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter

Temperature: 24.2
Humidity: 51.3 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17102.50	40.73	6.37	47.10	74.00	-26.90	peak			
2	*	17102.50	31.96	6.37	38.33	54.00	-15.67	AVG			

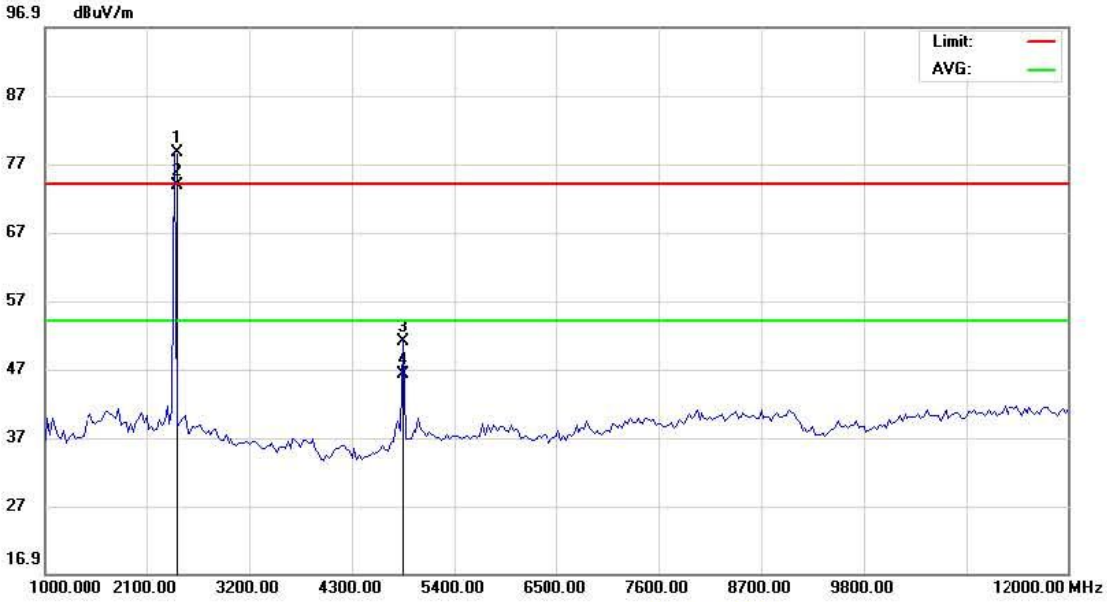
*:Maximum data x:Over limit !:over margin

Engineer Signature:

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#123 Date: 2015-6-30 Time: 18:35:55



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH1
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2412.000	87.00	-8.41	78.59	74.00	4.59	peak			
2	*	2412.000	82.14	-8.41	73.73	54.00	19.73	AVG			
3		4824.000	56.84	-5.91	50.93	74.00	-23.07	peak			
4		4824.000	52.06	-5.91	46.15	54.00	-7.85	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
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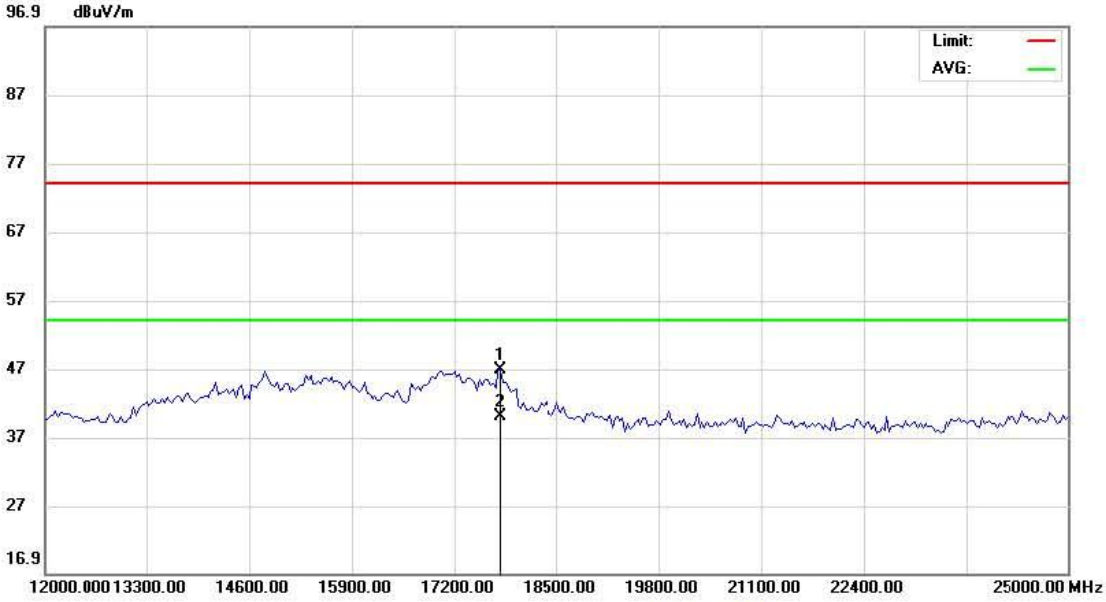
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#149 Date: 2015-7-3 Time: 8:13:02



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH1
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17785.00	43.29	3.42	46.71	74.00	-27.29	peak			
2	*	17785.00	36.55	3.42	39.97	54.00	-14.03	AVG			

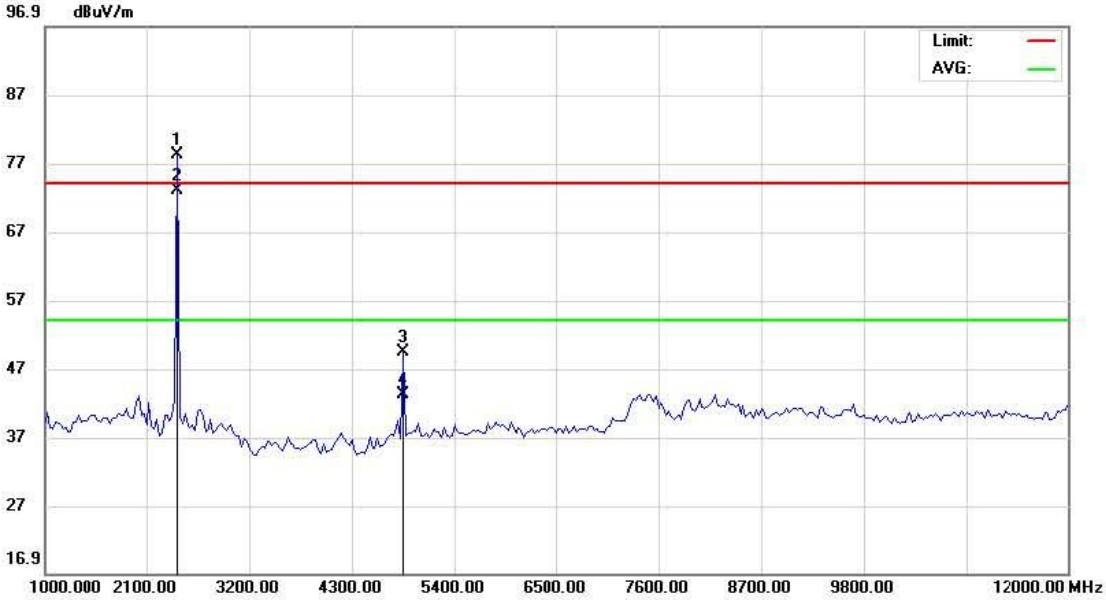
*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#124 Date: 2015-6-30 Time: 18:48:06



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH1
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2412.000	86.62	-8.41	78.21	74.00	4.21	peak			
2	*	2412.000	81.33	-8.41	72.92	54.00	18.92	AVG			
3		4824.000	55.32	-5.91	49.41	74.00	-24.59	peak			
4		4824.000	49.08	-5.91	43.17	54.00	-10.83	AVG			

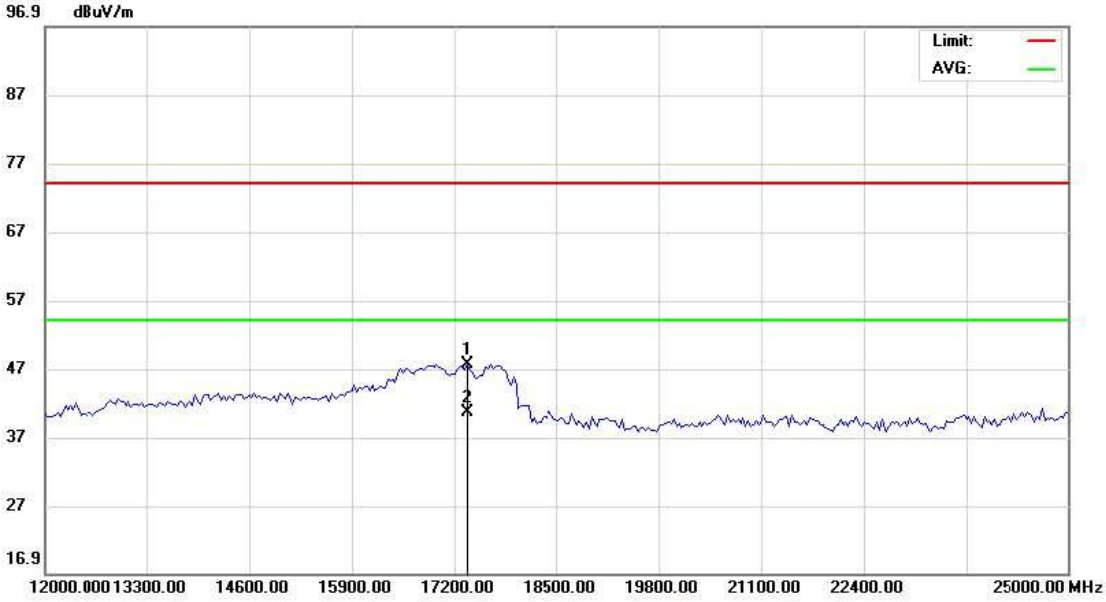
*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#150 Date: 2015-7-3 Time: 8:06:11



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH1
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17362.50	42.63	4.95	47.58	74.00	-26.42	peak			
2	*	17362.50	35.60	4.95	40.55	54.00	-13.45	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
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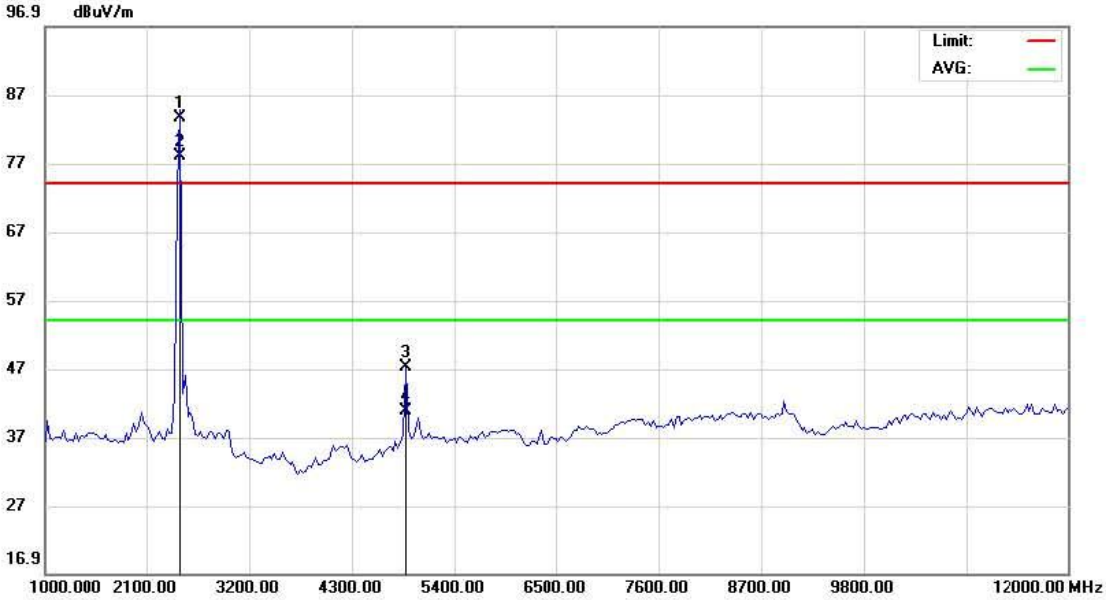
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#125 Date: 2015-6-30 Time: 18:59:20



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH6
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2437.000	92.06	-8.37	83.69	74.00	9.69	peak			
2	*	2437.000	86.40	-8.37	78.03	54.00	24.03	AVG			
3		4874.000	52.44	-5.31	47.13	74.00	-26.87	peak			
4		4874.000	46.11	-5.31	40.80	54.00	-13.20	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
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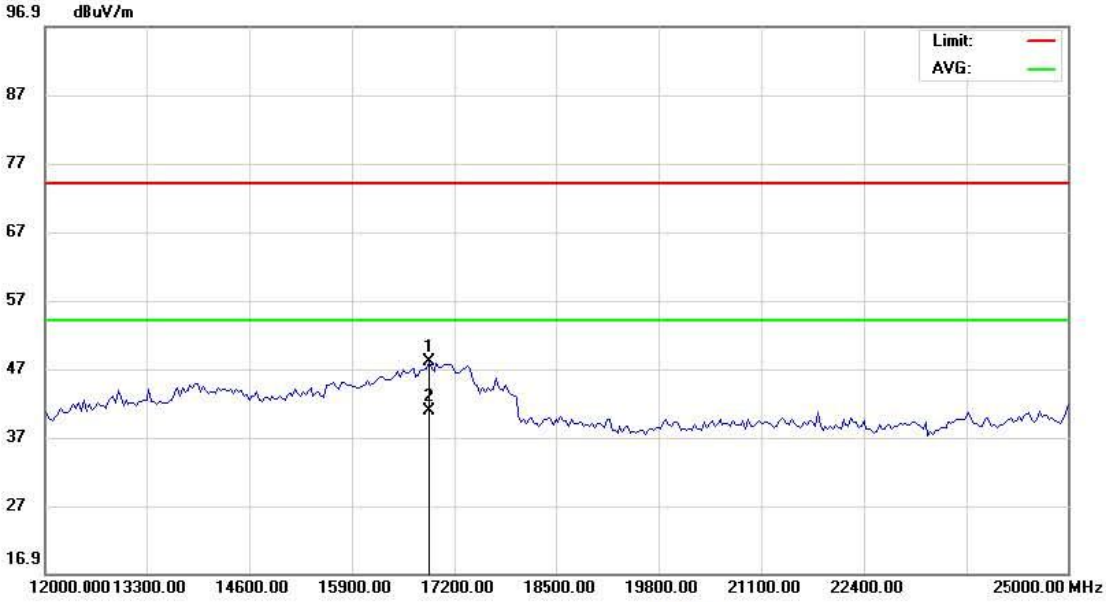
Radiated Emission Measurement

File :UD-1404 Data :#151 Date: 2015-7-3 Time: 8:23:44



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH6
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16875.00	41.58	6.51	48.09	74.00	-25.91	peak			
2	*	16875.00	34.30	6.51	40.81	54.00	-13.19	AVG			

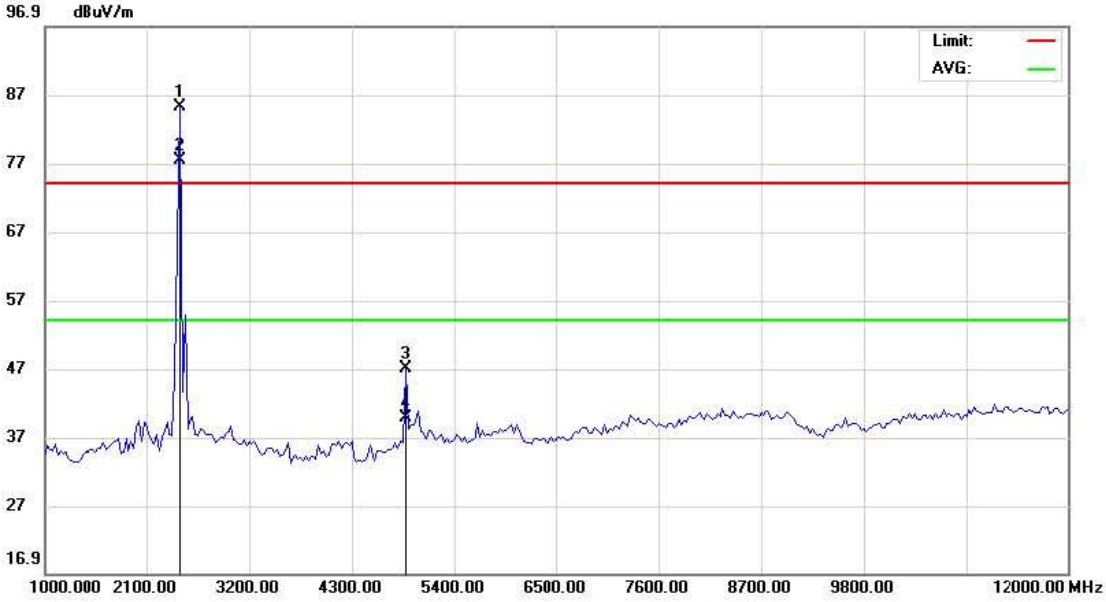
*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#126 Date: 2015-6-30 Time: 19:07:11



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH6
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2437.000	93.54	-8.37	85.17	74.00	11.17	peak			
2	*	2437.000	85.69	-8.37	77.32	54.00	23.32	AVG			
3		4874.000	52.28	-5.31	46.97	74.00	-27.03	peak			
4		4874.000	45.11	-5.31	39.80	54.00	-14.20	AVG			

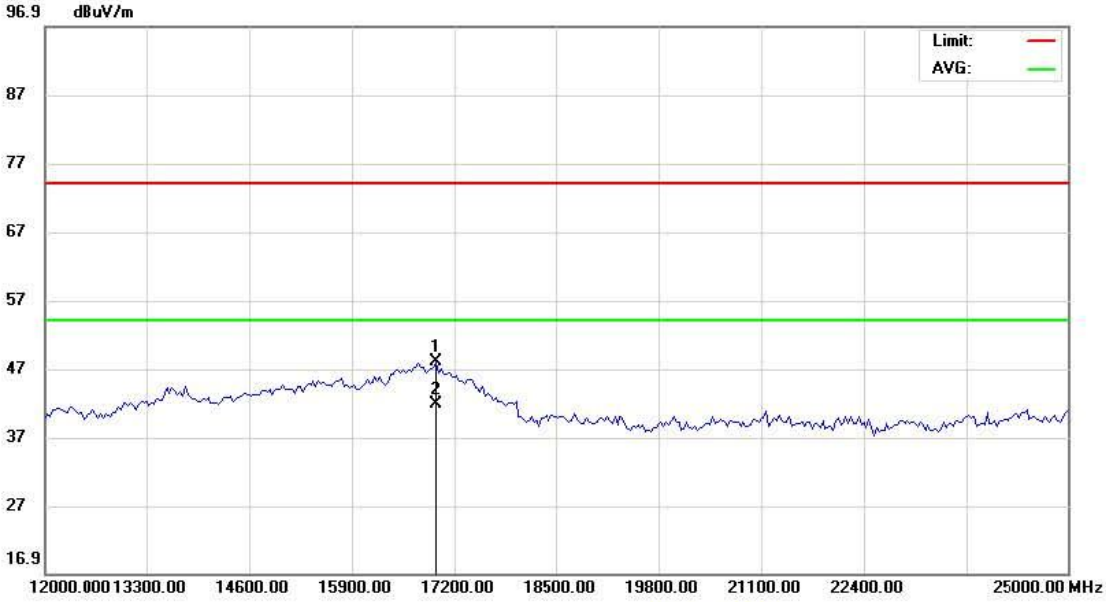
*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#152 Date: 2015-7-3 Time: 8:34:06



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH6
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16972.50	41.17	6.84	48.01	74.00	-25.99	peak			
2	*	16972.50	34.98	6.84	41.82	54.00	-12.18	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

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Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
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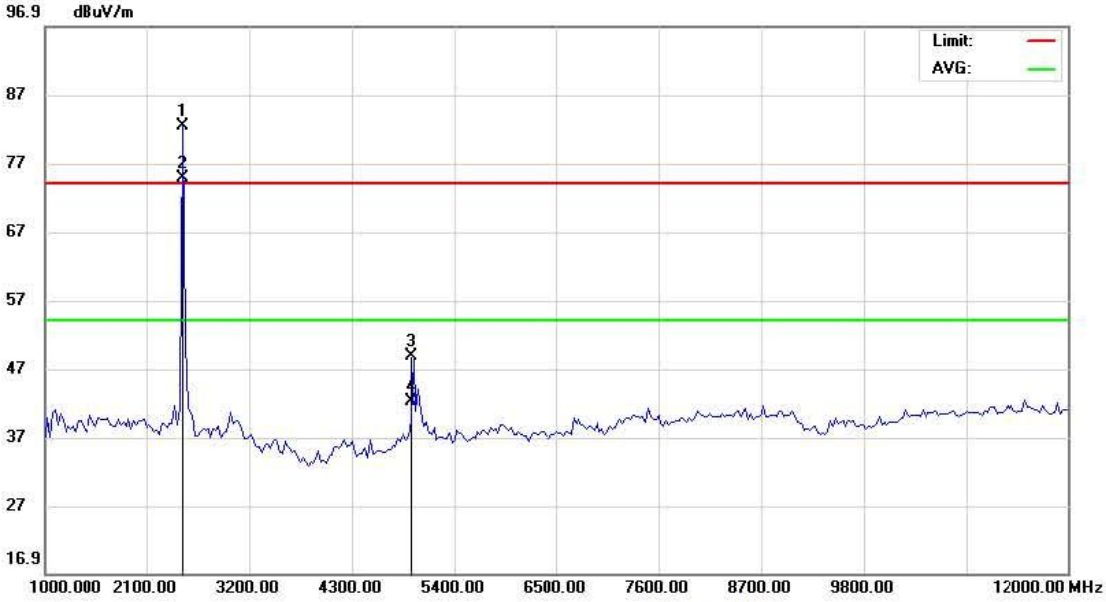
Radiated Emission Measurement

File :UD-1404 Data :#127 Date: 2015-6-30 Time: 19:19:25



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH11
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter

Temperature: 24.9
Humidity: 51.7 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2462.000	90.65	-8.33	82.32	74.00	8.32	peak			
2	*	2462.000	83.11	-8.33	74.78	54.00	20.78	AVG			
3		4924.000	53.56	-4.71	48.85	74.00	-25.15	peak			
4		4924.000	46.98	-4.71	42.27	54.00	-11.73	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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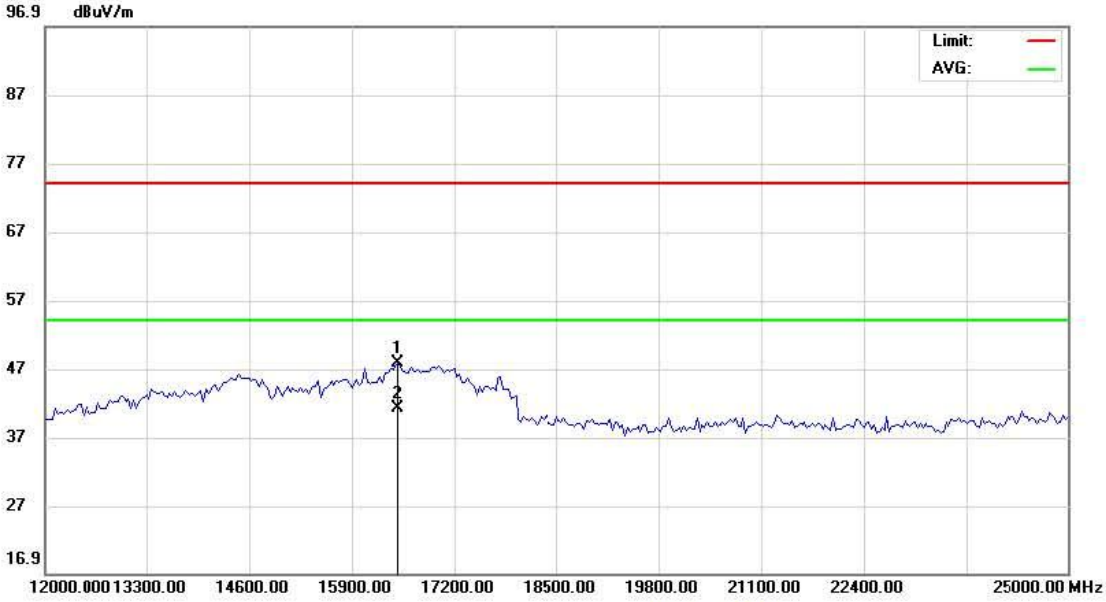
Radiated Emission Measurement

File :UD-1404 Data :#153 Date: 2015-7-3 Time: 8:49:47



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH11
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16485.00	42.62	5.19	47.81	74.00	-26.19	peak			
2	*	16485.00	36.07	5.19	41.26	54.00	-12.74	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
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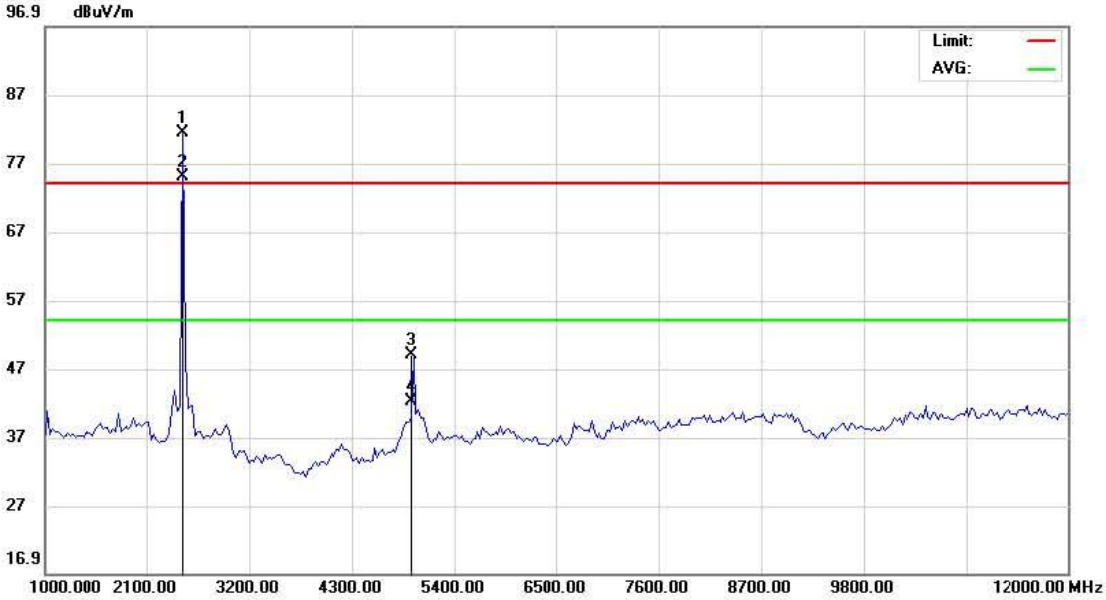
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#128 Date: 2015-6-30 Time: 19:26:16



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11g-CH11
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2462.000	89.83	-8.33	81.50	74.00	7.50	peak			
2	*	2462.000	83.41	-8.33	75.08	54.00	21.08	AVG			
3		4924.000	53.67	-4.71	48.96	74.00	-25.04	peak			
4		4924.000	46.97	-4.71	42.26	54.00	-11.74	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
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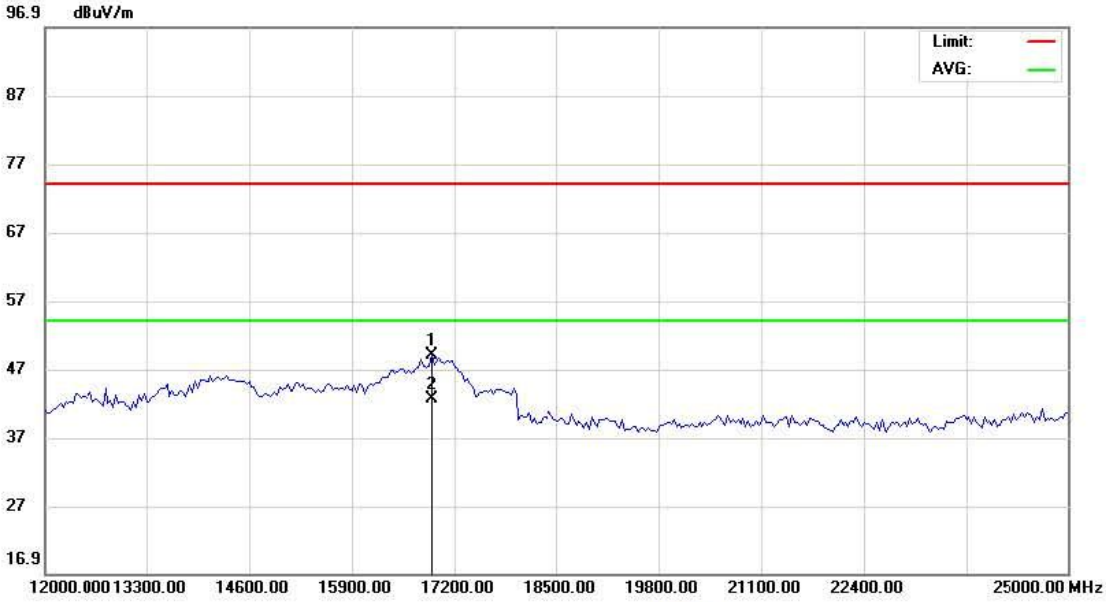
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#154 Date: 2015-7-3 Time: 8:56:04



Site site #1 Polarization: *Vertical* Temperature: 24.9
Limit: FCC 12-25G PEAK Power: DC 19V by Adapter Humidity: 51.7 %
EUT: Sound bar Distance: 3m
M/N: UD-1404
Mode: 802.11g-CH11
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16907.50	42.36	6.62	48.98	74.00	-25.02	peak			
2	*	16907.50	36.01	6.62	42.63	54.00	-11.37	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
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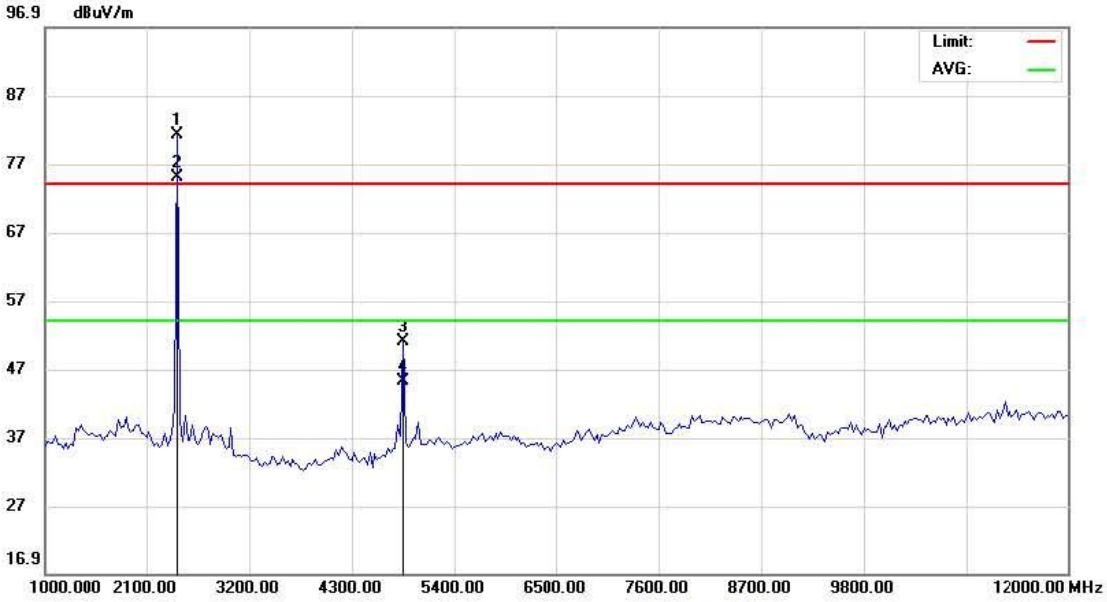
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#129 Date: 2015-6-30 Time: 19:37:02



Site site #1 Polarization: *Horizontal* Temperature: 24.2
Limit: FCC 1-12G PEAK Power: DC 19V by Adapter Humidity: 51.3 %
EUT: Sound bar Distance: 3m
M/N: UD-1404
Mode: 802.11n(20MHz)-CH1
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2412.000	89.54	-8.41	81.13	74.00	7.13	peak			
2	*	2412.000	83.44	-8.41	75.03	54.00	21.03	AVG			
3		4824.000	56.89	-5.91	50.98	74.00	-23.02	peak			
4		4824.000	51.20	-5.91	45.29	54.00	-8.71	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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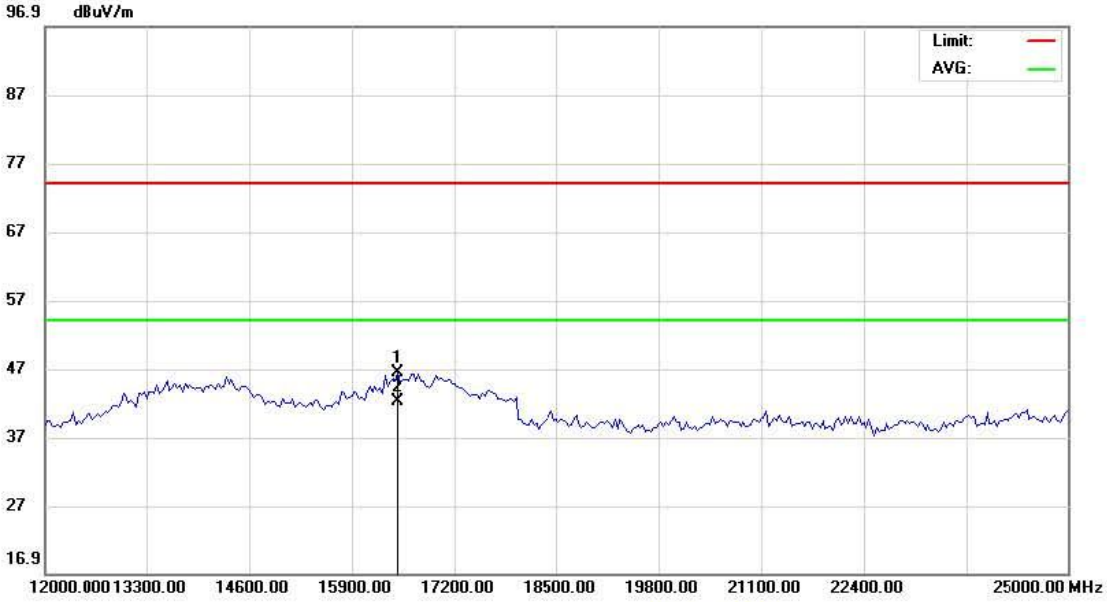
Radiated Emission Measurement

File :UD-1404 Data :#156 Date: 2015-7-3 Time: 9:15:55



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11n(20MHz)-CH1
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		16485.00	41.21	5.19	46.40	74.00	-27.60	peak			
2	*	16485.00	36.93	5.19	42.12	54.00	-11.88	AVG			

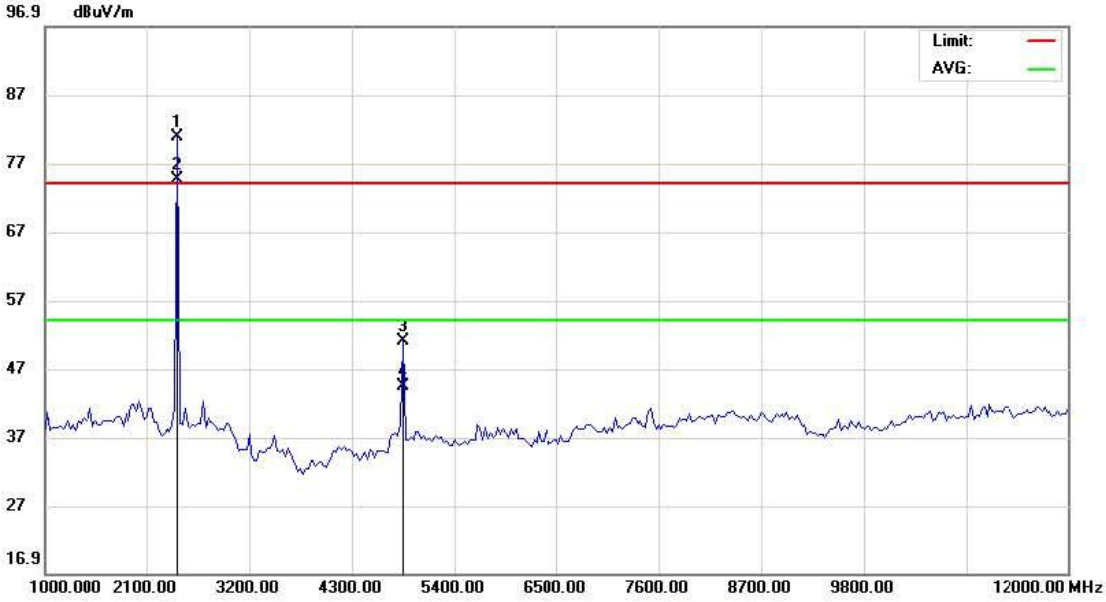
*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#130 Date: 2015-6-30 Time: 19:45:40



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11n(20MHz)-CH1
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2412.000	89.30	-8.41	80.89	74.00	6.89	peak			
2	*	2412.000	82.96	-8.41	74.55	54.00	20.55	AVG			
3		4824.000	56.86	-5.91	50.95	74.00	-23.05	peak			
4		4824.000	50.33	-5.91	44.42	54.00	-9.58	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
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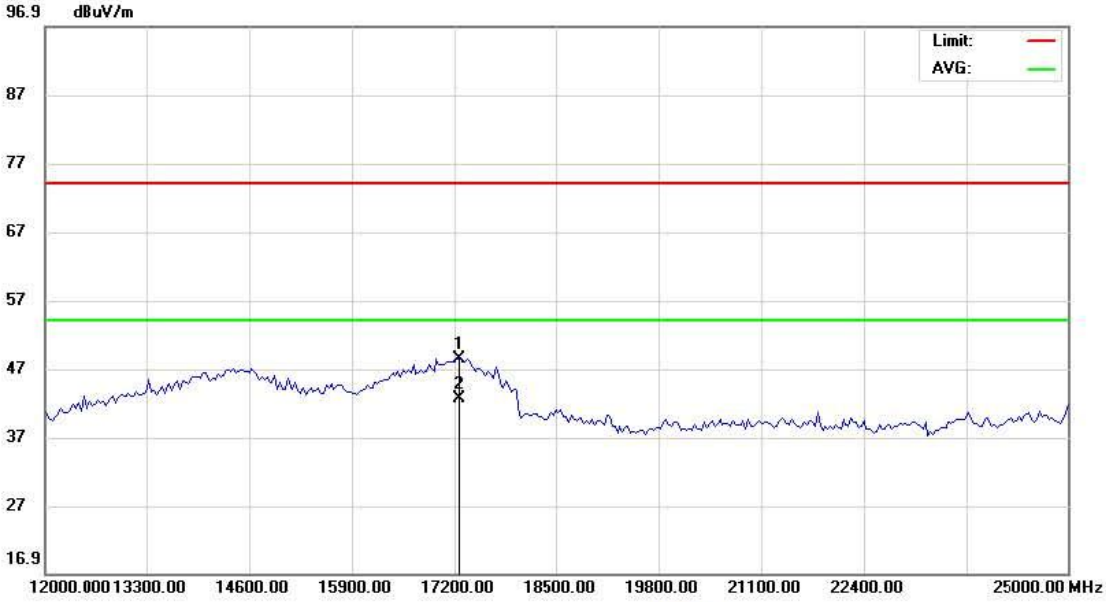
Radiated Emission Measurement

File :UD-1404 Data :#155 Date: 2015-7-3 Time: 9:06:45



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11n(20MHz)-CH1
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17265.00	42.93	5.48	48.41	74.00	-25.59	peak			
2	*	17265.00	37.10	5.48	42.58	54.00	-11.42	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#131 Date: 2015-6-30 Time: 19:54:33

Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11n(20MHz)-CH6
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter

Temperature: 24.2
Humidity: 51.3 %
Distance: 3m

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2437.000	90.56	-8.37	82.19	74.00	8.19	peak			
2	*	2437.000	83.41	-8.37	75.04	54.00	21.04	AVG			
3		4874.000	56.91	-5.31	51.60	74.00	-22.40	peak			
4		4874.000	50.06	-5.31	44.75	54.00	-9.25	AVG			

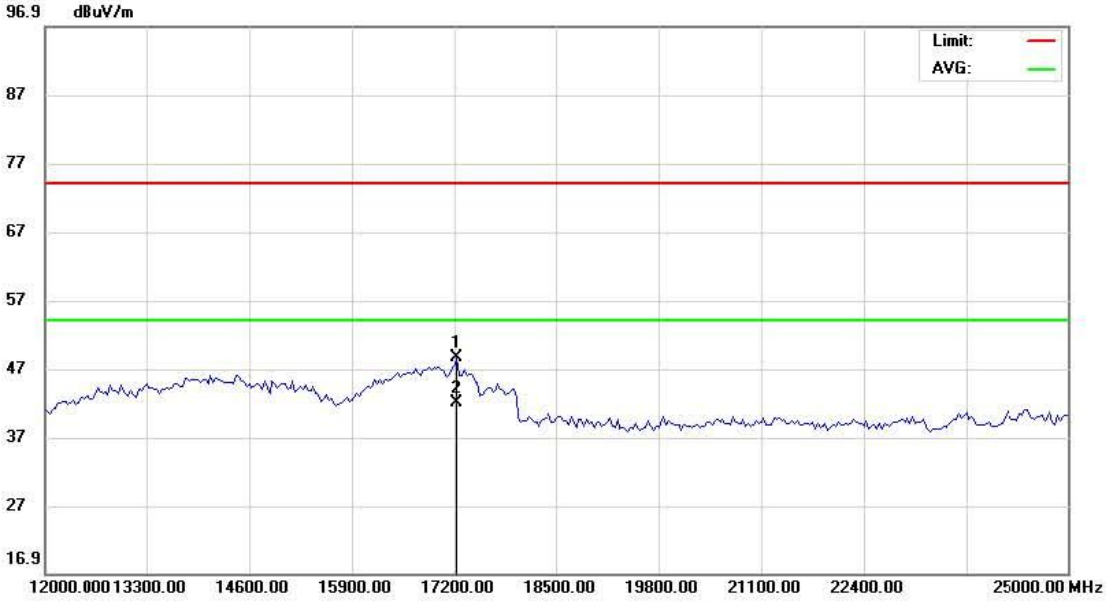
*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#158 Date: 2015-7-3 Time: 9:38:45



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11n(20MHz)-CH6
Note:

Polarization: *Vertical*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17232.50	42.92	5.66	48.58	74.00	-25.42	peak			
2	*	17232.50	36.38	5.66	42.04	54.00	-11.96	AVG			

*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

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Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
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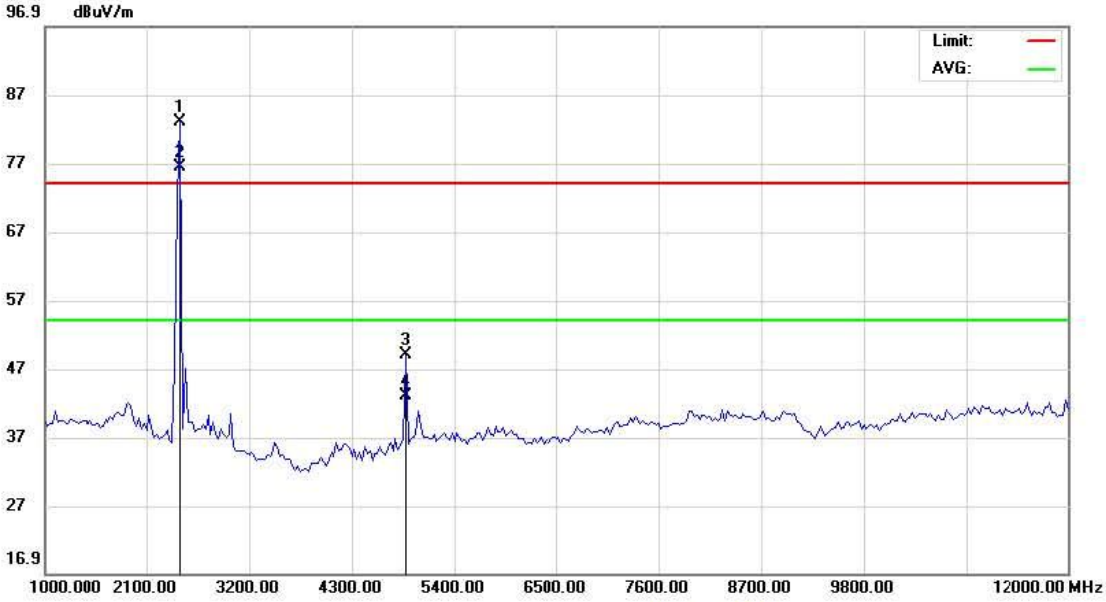
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#132 Date: 2015-6-30 Time: 20:01:00



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11n(20MHz)-CH6
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2437.000	91.39	-8.37	83.02	74.00	9.02	peak			
2	*	2437.000	84.78	-8.37	76.41	54.00	22.41	AVG			
3		4874.000	54.22	-5.31	48.91	74.00	-25.09	peak			
4		4874.000	48.31	-5.31	43.00	54.00	-11.00	AVG			

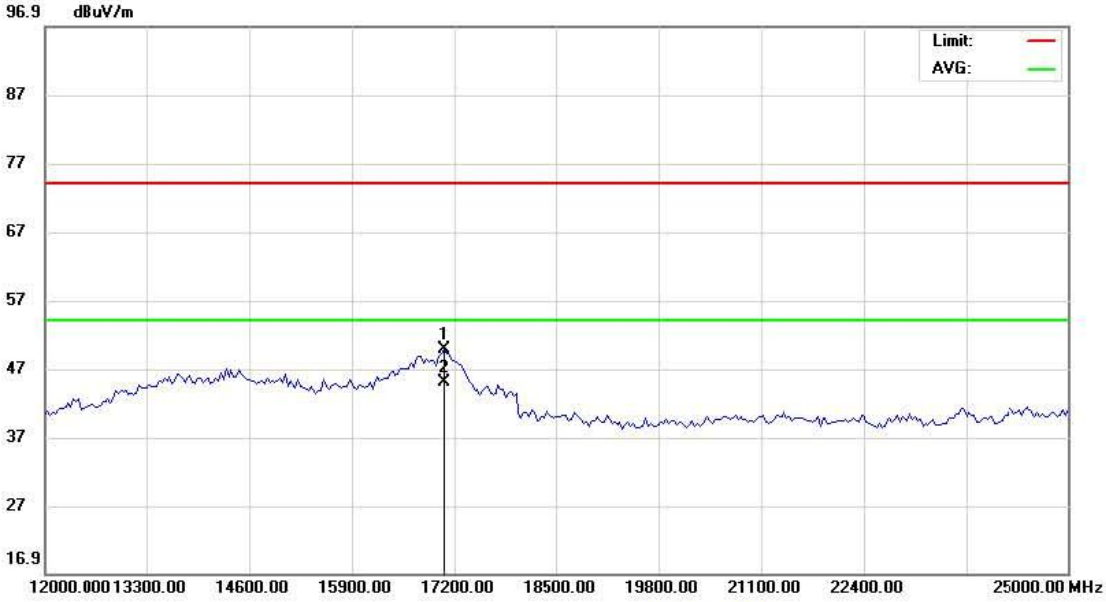
*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#157 Date: 2015-7-3 Time: 9:29:06



Site site #1
Limit: FCC 12-25G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11n(20MHz)-CH6
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.9
Humidity: 51.7 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17070.00	43.23	6.55	49.78	74.00	-24.22	peak			
2	*	17070.00	38.38	6.55	44.93	54.00	-9.07	AVG			

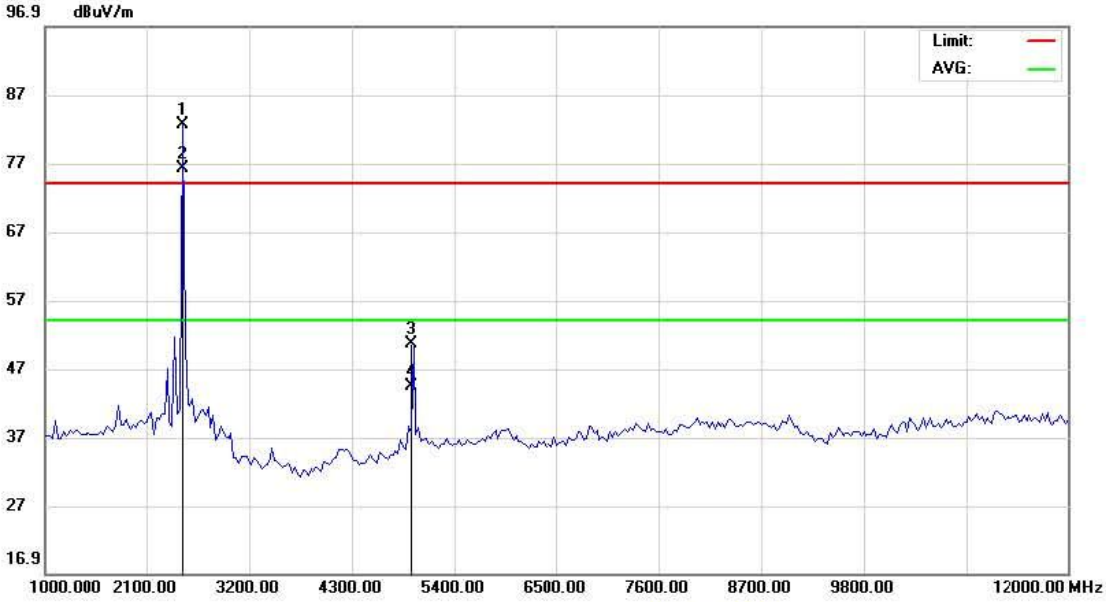
*:Maximum data x:Over limit l:over margin

Engineer Signature: lidegan

Compliance Laboratory
Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86026850 Fax: 0755-26013350

Radiated Emission Measurement

File :UD-1404 Data :#133 Date: 2015-6-30 Time: 20:11:35



Site site #1
Limit: FCC 1-12G PEAK
EUT: Sound bar
M/N: UD-1404
Mode: 802.11n(20MHz)-CH11
Note:

Polarization: *Horizontal*
Power: DC 19V by Adapter
Distance: 3m

Temperature: 24.2
Humidity: 51.3 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	X	2462.000	90.87	-8.33	82.54	74.00	8.54	peak			
2	*	2462.000	84.49	-8.33	76.16	54.00	22.16	AVG			
3		4924.000	55.32	-4.71	50.61	74.00	-23.39	peak			
4		4924.000	49.06	-4.71	44.35	54.00	-9.65	AVG			

*:Maximum data x:Over limit !:over margin

Engineer Signature: lidegan