



# **FCC 47 CFR PART 15 SUBPART B**

## **TEST REPORT**

*For*

**Applicant: Shenyang Torch-Bigtide Digital Technology Co., Ltd**

**Address:** No. 18-6B, Yaoyang Road, Huishan Economic Development Area,  
Shenbei New District, Shenyang

**Product Name:** 19" LCD Monitor

**Model Number:** HL1936SMT-R, HL1936SMT-L

**Brand Name:** N/A

**FCC ID:** W6519LCD1936M

**Report No.:** MTE/DYY/A15040410

**Date of Issue:** Apr. 07, 2015

**Issued by:** Most Technology Service Co., Ltd.

**Address:** No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan,  
Shenzhen, Guangdong, China

**Tel:** 86-755-86026850

**Fax:** 86-755-26013350

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**1. VERIFICATION OF CONFORMITY**

**Equipment Under Test:** 19" LCD Monitor

**Brand Name:** N/A

**Model Number:** HL1936SMT-R

**Series Number:** HL1936SMT-L

**FCC ID:** W6519LCD1936M

**Applicant:** Shenyang Torch-Bigtide Digital Technology Co., Ltd  
NO.18-6B, Yaoyang Road, Huishan Economic Development Area, Shenbei  
New District, Shenyang

**Manufacturer:** Shenyang Torch-Bigtide Digital Technology Co., Ltd  
NO.18-6B, Yaoyang Road, Huishan Economic Development Area, Shenbei  
New District, Shenyang

**Technical Standards:** FCC Part 15 B

**File Number:** MTE/DYY/A15040410

**Date of test:** Mar. 16- Mar. 31, 2015

**Deviation:** None

**Condition of Test Sample:** Normal

The above equipment was tested by MOST for compliance with the requirements set forth in FCC Part 15 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.

Tested by (+ signature):


  
\_\_\_\_\_  
Daisy Yu April. 07, 2015

Review by (+ signature):

  
\_\_\_\_\_  
Henry Chen April. 07, 2015



Approved by (+ signature):

  
\_\_\_\_\_  
Mark Wen(Manager) April. 07, 2015

**2. GENERAL INFORMATION****2.1 PRODUCT INFORMATION**

Description:	19" LCD Monitor
Model Name:	HL1936SMT-R
Series Number:	HL1936SMT-L
Model Difference description:	N/A
Power Supply:	DC 24V by DC Source
Temperature Range:	5°C ~ +40°C

**NOTE:**

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

## 2.2 OBJECTIVE

Perform FCC Part 15 Subpart B tests for FCC Marking.

## 2.3 TEST STANDARDS AND RESULTS

Test items and the results are as bellow:

EMISSION			
Standard	Item	Result	Remarks
FCC 47 CFR Part 15 Subpart B	Conducted	PASS	Meet Class B limit
	Radiated	PASS	Meet Class B limit

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: 15-35°C
- Humidity: 30-60 %
- Atmospheric pressure: 86-106 kPa

## 2.5 MEASUREMENT UNCERTAINTY

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

The report uncertainty of measurement  $y \pm U$ , where expended uncertainty  $U$  is based on a standard uncertainty multiplied by a coverage factor of  $k=2$ , Providing a level of confidence of approximately 95%

- Uncertainty of Conducted Emission,  $U_c = \pm 1.8\text{dB}$
- Uncertainty of Radiated Emission,  $U_c = \pm 3.2\text{dB}$

### 3. TEST METHODOLOGY

#### 3.1 TEST 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 <b>490827</b> . The <b>CNAS</b> Registration Number is <b>CNAS L3573</b> .
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. It has no holes or gaps having longitudinal dimensions larger than one-tenth of a wavelength at the highest frequency of measurement up to 1GHz.

#### 3.2 GENERAL TEST PROCEDURES

##### Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 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.

##### 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 13.1.4.1 of ANSI C63.4:2009.

### 3.3 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

- (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )
13.36 - 13.41			

<sup>1</sup> Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

<sup>2</sup> Above 38.6

- (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

## 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 EUT configuration

Interface cables:

Interface cable	Length [m]	Type	Line		Line termination
			shielded	unshielded	
Power cord	1.5	three wires	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PC
Power cord	1.5	three wires	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Printer
DVI Cord	1.8	Video type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PC
VGA Cord	1.8	Video type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PC
USB Cord	1.8	Video type	<input type="checkbox"/>	<input checked="" type="checkbox"/>	PC

Peripheral devices:

List out all peripheral not included with EuT used during the test

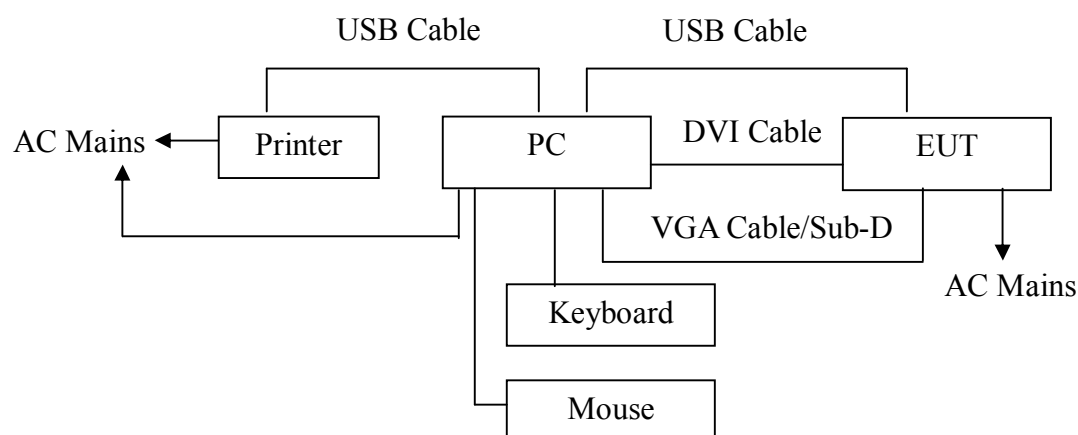
Kind of equipment	Manufacturer	Model no.
Mouse	Lenovo	M-UAE96
Keyboard	HP	SK-2880
PC	Lenovo	SS05750640
Printer	Canon	L11121E

*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 Block Diagram of connection between EUT and simulation





### 4. 3 TEST EQUIPMENT LIST

**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.

No.	Equipment	Manufacturer	Model No.	S/N	Calibration due date
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2015/03/31
2	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2015/03/31
3	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015/03/31
4	Terminator	Hubersuhner	50Ω	No.1	2015/03/31
5	RF Cable	SchwarzBeck	N/A	No.1	2015/03/31
6	Test Receiver	Rohde & Schwarz	ESPI	101202	2015/03/31
7	Bi-log Antenna	Sunol	JB3	A121206	2015/03/31
8	Test Antenna - Horn	SCHWARZBECK	BBHA9120D	756	2015/03/31
9	Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	--	2015/03/31
10	Cable	Resenberger	N/A	NO.1	2015/03/31
11	Cable	SchwarzBeck	N/A	NO.2	2015/03/31
12	Cable	SchwarzBeck	N/A	NO.3	2015/03/31
13	DC Power Filter	DuoJi	DL2×30B	N/A	2015/03/31
14	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2015/03/31
15	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2015/03/31
16	Test Receiver	Rohde & Schwarz	ESCI	100492	2015/03/31
17	Absorbing Clamp	Luthi	MDS21	3635	2015/03/31
18	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2015/03/31
19	AC Power Source	Kikusui	AC40MA	LM003232	2015/03/31
20	Test Analyzer	Kikusui	KHA1000	LM003720	2015/03/31
21	Line Impedance Network	Kikusui	LIN40MA-PCR-L	LM002352	2015/03/31
22	ESD Tester	Kikusui	KES4021	LM003537	2015/03/31
23	EMC PRO System	EM Test	UCS-500-M4	V0648102026	2015/03/31
24	Signal Generator	IFR	2032	203002/100	2015/03/31
25	Amplifier	A&R	150W1000	301584	2015/03/31
26	CDN	FCC	FCC-801-M2-25	47	2015/03/31
27	CDN	FCC	FCC-801-M3-25	107	2015/03/31
28	EM Injection Clamp	FCC	F-203I-23mm	403	2015/03/31
29	RF Cable	MIYAZAKI	N/A	No.1/No.2	2015/03/31
30	Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU200	0304789	2015/03/31
31	Telecommunication Antenna	European Antennas	PSA 75301R/170	0304213	2015/03/31

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

## **5. 47 CFR PART 15B REQUIREMENTS**

### **5.1 GENERAL INFORMATION**

The field strength of radiation emission was measured in the following position: EUT stand-up position (Y axis), lie-down position (X, Z axis).

The following data show only with the worst case setup.

The worst case of X axis was reported.

Based on client request, all normal using modes of the normal function were tested but only the worst test data of the worst mode is reported by this report.

#### **EUT Test Procedure:**

1. Put EUT on the test table.
2. Power on the EUT.
3. Make sure the EUT operates normally during the test.

#### **Mode 1: Running H Pattern**

During the measurement, A Communication link was established by EUT between two ports. The EUT was playing the data exchange function.

The EUT configuration of the emission test was **PC+ Mouse + Keyboard + Printer + EUT.**

## 6. RADIATED EMISSION TEST

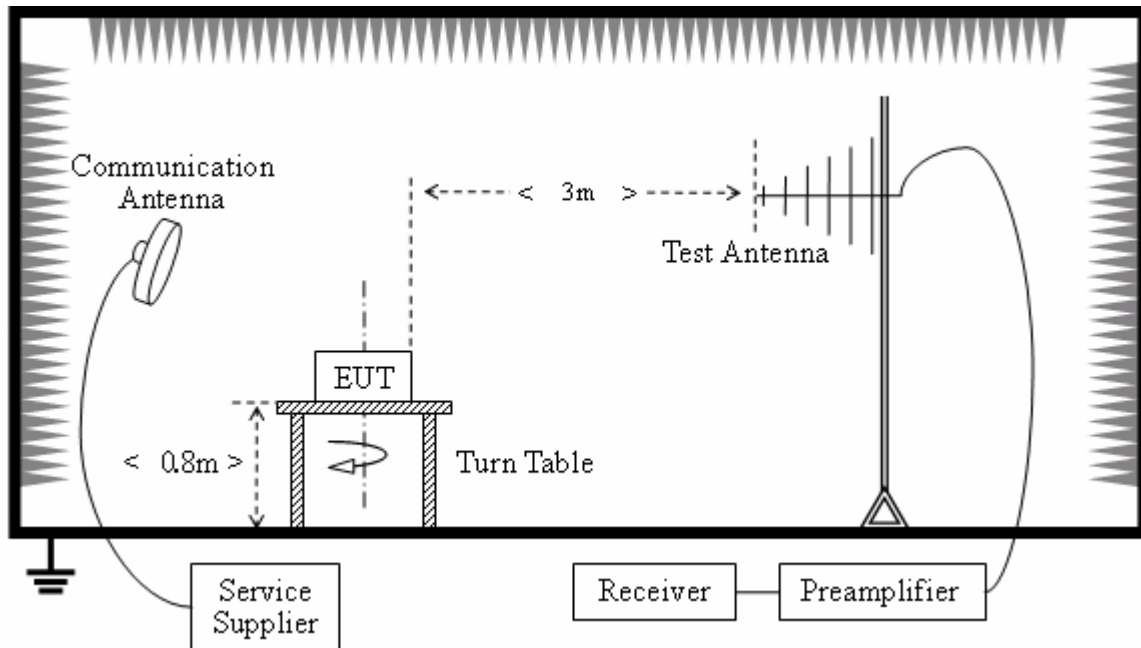
### 6.1. LIMITS OF RADIATED DISTURBANCES AT 3M DISTANCES FOR CLASS B

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 ( $\mu\text{V/m}$ )	Measurement Distance (m)
0.009 - 0.490	$2400/F(\text{kHz})$	300
0.490 - 1.705	$24000/F(\text{kHz})$	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

As shown in FCC section 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector. When average radiated emission measurements are specified in this part, including emission measurements below 1000MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit for the frequency being investigated unless a different peak emission limit is otherwise specified in the rules.

## 6.2 TEST DESCRIPTION



- (1) The EUT was placed on a turntable with 0.8 meter above ground.
- (2) The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- (3) The table was rotated 360 degrees to determine the position of the highest radiation.
- (4) The antenna is a Bi-Log antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.
- (5) For each suspected emission, the EUT was arranged to its worst case and then tune the antenna tower (from 1m to 4m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
- (6) Set the test-receiver system to Peak Detect Function and specified bandwidth with maximum hold mode.
- (7) If the emission level of the EUT in peak mode was 3dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the quasi-peak method and reported.
- (8)  $\text{Emission level (dBuV/m)} = 20 \log \text{Emission level (uV/m)}$ .
- (9) Corrected reading:  $\text{Antenna Factor} + \text{cable loss} + \text{read level} - \text{Preamp Factor} = \text{level}$

**6.3 TEST RESULT**

Preliminary Radiated Emission Test				
Frequency Range Investigated			30 MHz TO 1000 MHz	
Mode of operation	Date	Report No.	Data#	Worst Mode
Running H Pattern	2014-06-04	MTE/SAL/F14060620	HL1916SM_1_(H, V)	<input checked="" type="checkbox"/>

**Note:**

The test modes were carried out for all operation modes, The worst data was shown as the follow.

## Below 1GHz



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

## Radiated Emission Measurement

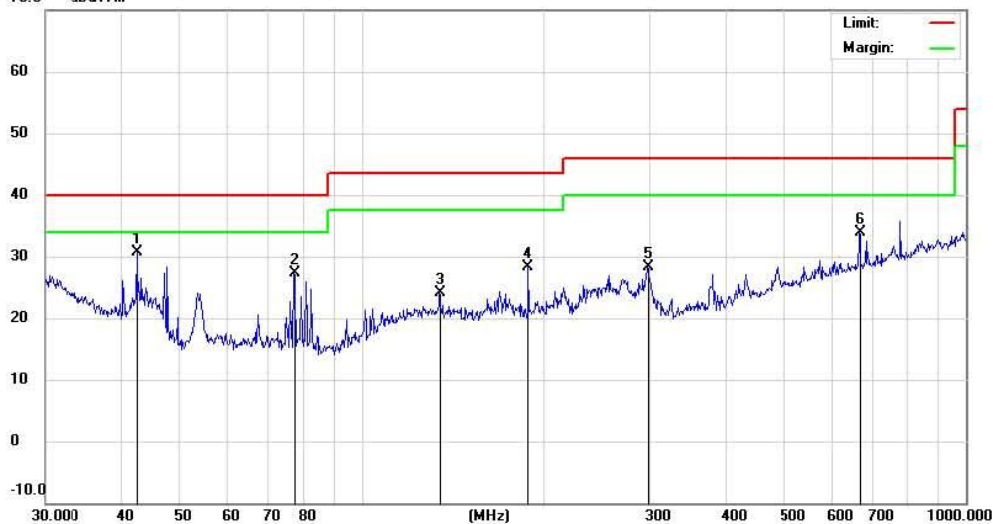
File: HL1936SMT-R

Data: #5

Date: 2015-3-26

Time: 15:39:02

70.0 dBuV/m



Site: Chamber #1

Polarization: **Vertical**

Temperature: 24.3

Limit: FCC Part15 B 3M Radiation

Power: DC 24V by DC Source

Humidity: 54.8 %

EUT: 19"LCD Monitor

Distance: 3m

M/N: HL1936SMT-R

Mode: Running 'H'Pattern (VGA)

Note:

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	*	42.6000	16.13	14.52	30.65	40.00	-9.35	QP		
2		77.3212	15.86	11.48	27.34	40.00	-12.66	QP		
3		135.0319	6.75	17.45	24.20	43.50	-19.30	QP		
4		189.0743	11.60	16.61	28.21	43.50	-15.29	QP		
5		297.2241	8.88	19.33	28.21	46.00	-17.79	QP		
6		668.1423	9.39	24.44	33.83	46.00	-12.17	QP		

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

Engineer Signature: John



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

### Radiated Emission Measurement

File: HL1936SMT-R

Data: #6

Date: 2015-3-26

Time: 15:48:42

70.0 dBuV/m



Site: Chamber #1

Polarization: **Horizontal**

Temperature: 24.3

Limit: FCC Part15 B 3M Radiation

Power: DC 24V by DC Source

Humidity: 54.8 %

EUT: 19"LCD Monitor

Distance: 3m

M/N: HL1936SMT-R

Mode: Running 'H' Pattern (VGA)

Note:

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		31.9546	5.25	20.77	26.02	40.00	-13.98	QP		
2		135.0319	11.75	17.45	29.20	43.50	-14.30	QP		
3		217.5443	17.18	16.20	33.38	46.00	-12.62	QP		
4		297.2241	9.80	19.33	29.13	46.00	-16.87	QP		
5		378.5843	11.39	18.12	29.51	46.00	-16.49	QP		
6	*	726.8052	13.73	24.84	38.57	46.00	-7.43	QP		

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

Engineer Signature:

John



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

### Radiated Emission Measurement

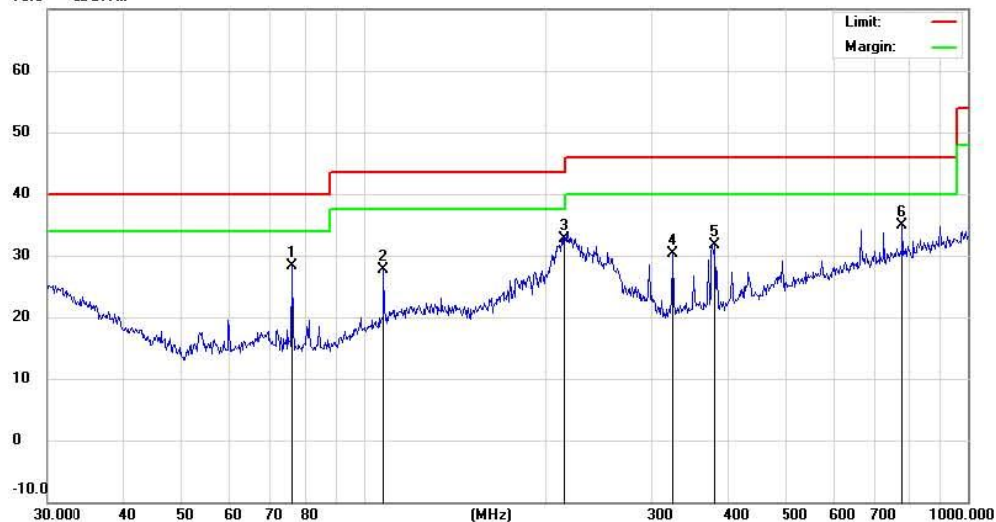
File: HL1936SMT-R

Data: #7

Date: 2015-3-26

Time: 16:01:20

70.0 dBuV/m



Site: Chamber #1

Polarization: **Horizontal**

Temperature: 24.3

Limit: FCC Part15 B 3M Radiation

Power: DC 24V by DC Source

Humidity: 54.8 %

EUT: 19"LCD Monitor

Distance: 3m

M/N: HL1936SMT-R

Mode: Running 'H' Pattern (DVI)

Note:

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		76.2442	16.83	11.51	28.34	40.00	-11.66	QP		
2		107.8877	12.14	15.49	27.63	43.50	-15.87	QP		
3	*	215.2678	16.53	16.12	32.65	43.50	-10.85	QP		
4		324.4560	13.26	17.00	30.26	46.00	-15.74	QP		
5		381.2485	13.67	18.12	31.79	46.00	-14.21	QP		
6		779.6067	8.67	26.19	34.86	46.00	-11.14	QP		

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

Engineer Signature:

Robert





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

**Radiated Emission Measurement**

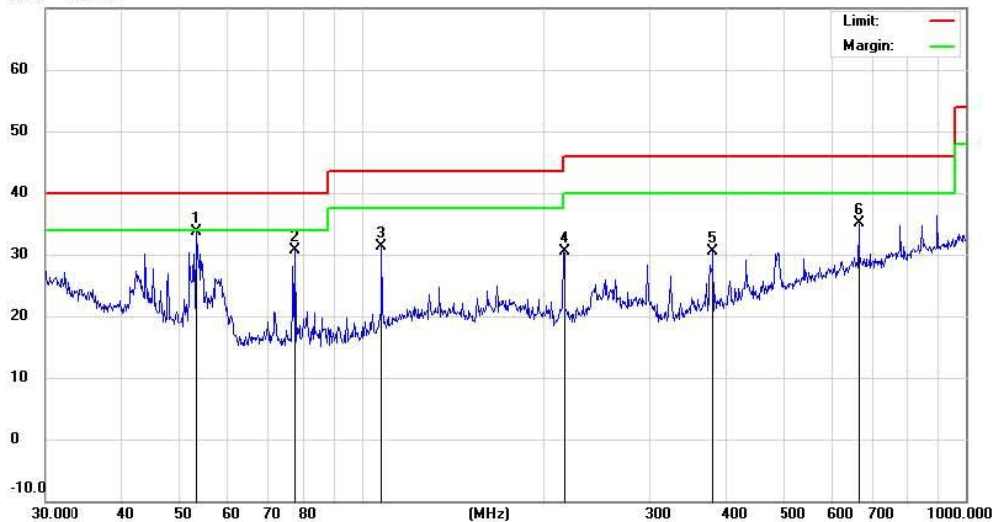
File: HL1936SMT-R

Data: #8

Date: 2015-3-26

Time: 16:18:38

70.0 dBuV/m



Site Chamber #1

Polarization: **Vertical**

Temperature: 24.3

Limit: FCC Part15 B 3M Radiation

Power: DC 24V by DC Source

Humidity: 54.8 %

EUT: 19"LCD Monitor

Distance: 3m

M/N: HL1936SMT-R

Mode: Running 'H'Pattern (DVI)

Note:

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	*	53.3179	23.31	10.46	33.77	40.00	-6.23	QP		
2		77.5927	19.30	11.47	30.77	40.00	-9.23	QP		
3		107.8877	15.72	15.49	31.21	43.50	-12.29	QP		
4		216.0239	14.37	16.14	30.51	46.00	-15.49	QP		
5		381.2485	12.38	18.12	30.50	46.00	-15.50	QP		
6		665.8034	10.81	24.37	35.18	46.00	-10.82	QP		

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

Engineer Signature:

Robert

**Above**

1GHz:



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

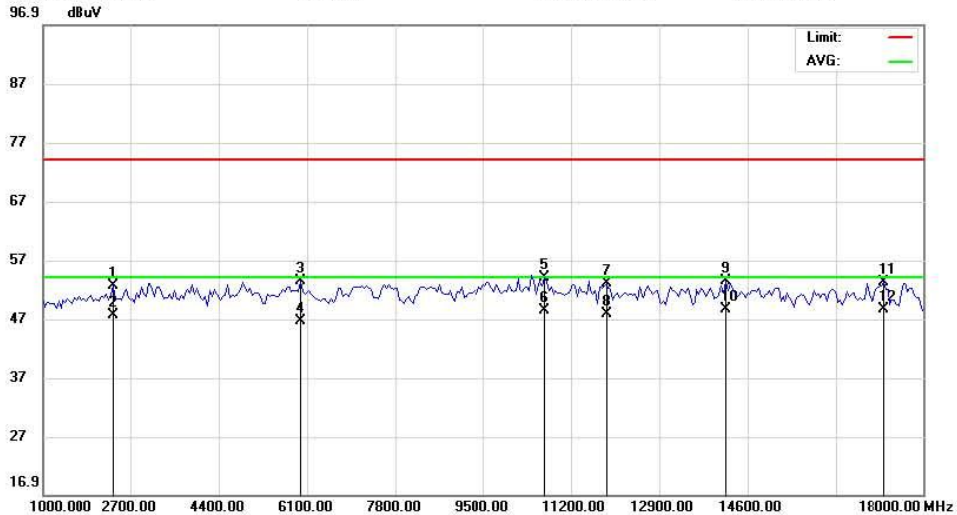
## Radiated Emission Measurement

File: HL1936SMT-R

Data: #3

Date: 2015-03-31

Time: 10:38:12



Site site #1

Polarization: **Vertical**

Temperature: 26

Limit: FCC 1000M-18000M PEAK

Power: DC 24V by DC Source

Humidity: 61 %

EUT: 19"LCD Monitor

Distance:

M/N: HL1936SMT-R

Mode: Running 'H' Pattern

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Antenna Height cm	Table Degree degree	Comment
1		2360.000	43.14	9.43	52.57	74.00	-21.43	peak		
2		2360.000	38.14	9.43	47.57	54.00	-6.43	AVG		
3		5972.500	42.98	10.37	53.35	74.00	-20.65	peak		
4		5972.500	36.25	10.37	46.62	54.00	-7.38	AVG		
5		10690.00	35.85	18.18	54.03	74.00	-19.97	peak		
6		10690.00	30.28	18.18	48.46	54.00	-5.54	AVG		
7		11880.00	34.44	18.65	53.09	74.00	-20.91	peak		
8		11880.00	29.10	18.65	47.75	54.00	-6.25	AVG		
9		14175.00	34.28	19.13	53.41	74.00	-20.59	peak		
10		14175.00	29.40	19.13	48.53	54.00	-5.47	AVG		
11		17235.00	28.07	25.08	53.15	74.00	-20.85	peak		
12	*	17235.00	23.54	25.08	48.62	54.00	-5.38	AVG		

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

Engineer Signature: John



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

### Radiated Emission Measurement

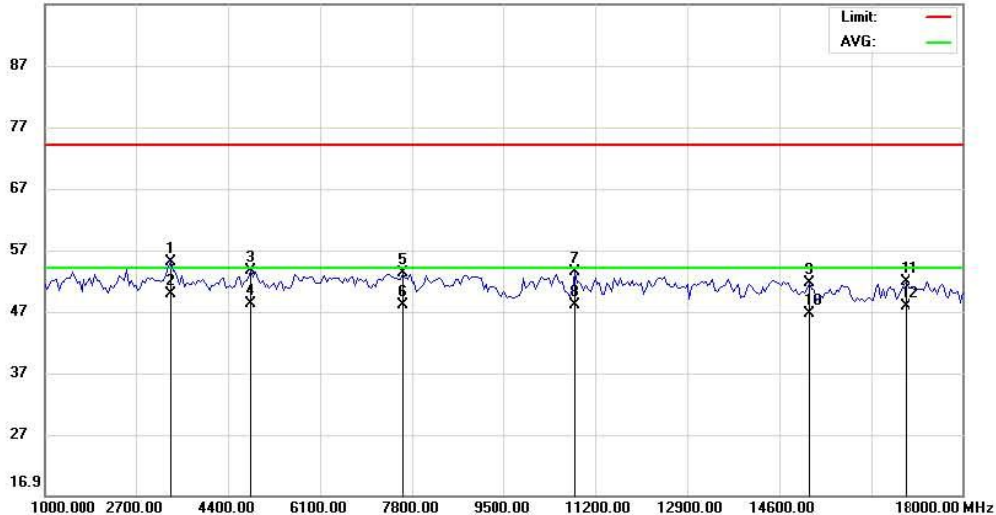
File: HL1936SMT-R

Data: #4

Date: 2015-03-31

Time: 10:50:22

96.9 dBuV



Site site #1

Polarization: **Horizontal**

Temperature: 26

Limit: FCC 1000M-18000M PEAK

Power: DC 24V by DC Source

Humidity: 61 %

EUT: 19"LCD Monitor

Distance:

M/N: HL1936SMT-R

Mode: Running 'H' Pattern

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	cm	degree	Comment
1		3337.500	47.26	7.67	54.93	74.00	-19.07	peak		
2	*	3337.500	42.10	7.67	49.77	54.00	-4.23	AVG		
3		4825.000	43.89	9.69	53.58	74.00	-20.42	peak		
4		4825.000	38.54	9.69	48.23	54.00	-5.77	AVG		
5		7630.000	40.42	12.74	53.16	74.00	-20.84	peak		
6		7630.000	35.21	12.74	47.95	54.00	-6.05	AVG		
7		10817.50	35.32	18.03	53.35	74.00	-20.65	peak		
8		10817.50	30.00	18.03	48.03	54.00	-5.97	AVG		
9		15152.50	31.09	20.59	51.68	74.00	-22.32	peak		
10		15152.50	26.10	20.59	46.69	54.00	-7.31	AVG		
11		16937.50	27.04	24.71	51.75	74.00	-22.25	peak		
12		16937.50	23.10	24.71	47.81	54.00	-6.19	AVG		

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

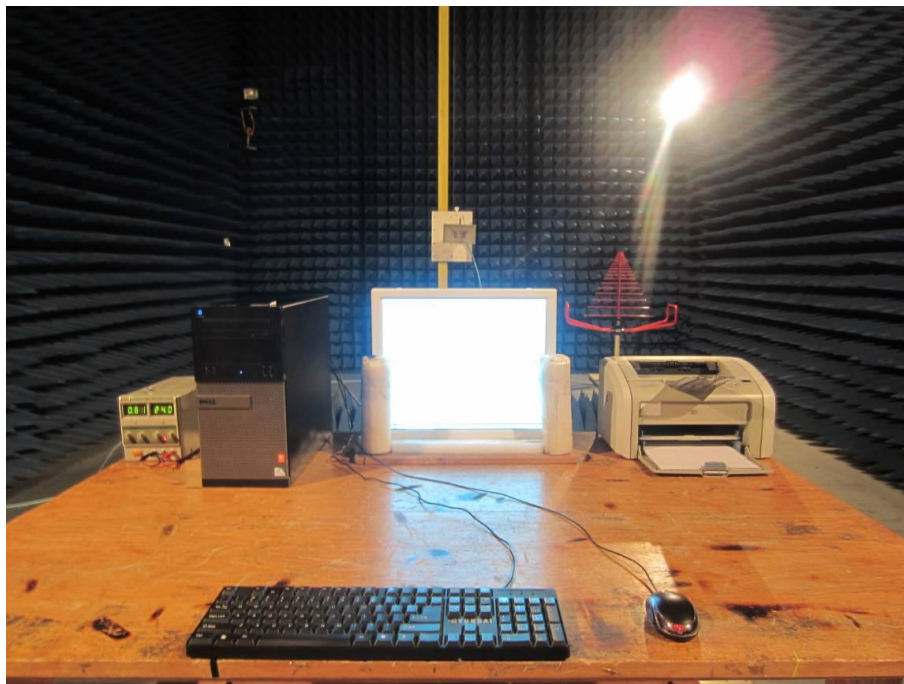
Engineer Signature: John

**APPENDIX 1**  
**PHOTOGRAPHS OF TEST SETUP**

RE TEST SETUP OF HL1928M-R



RE TEST SETUP OF HL1928M-R



-----END OF REPORT-----