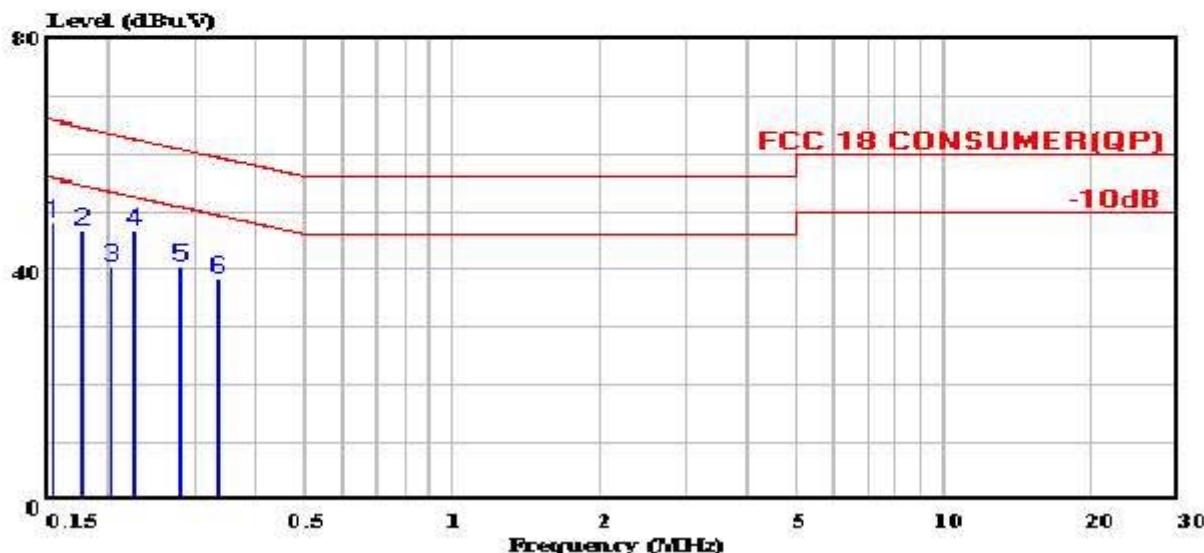




3F #34Bldg. No.680 GuiPing Rd.,
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aciemc@audix.com

Data#: 349 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-03 Time: 12:02:28



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VA
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-20W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : on
 Test Engineer:

Solon Gong

Page: 1

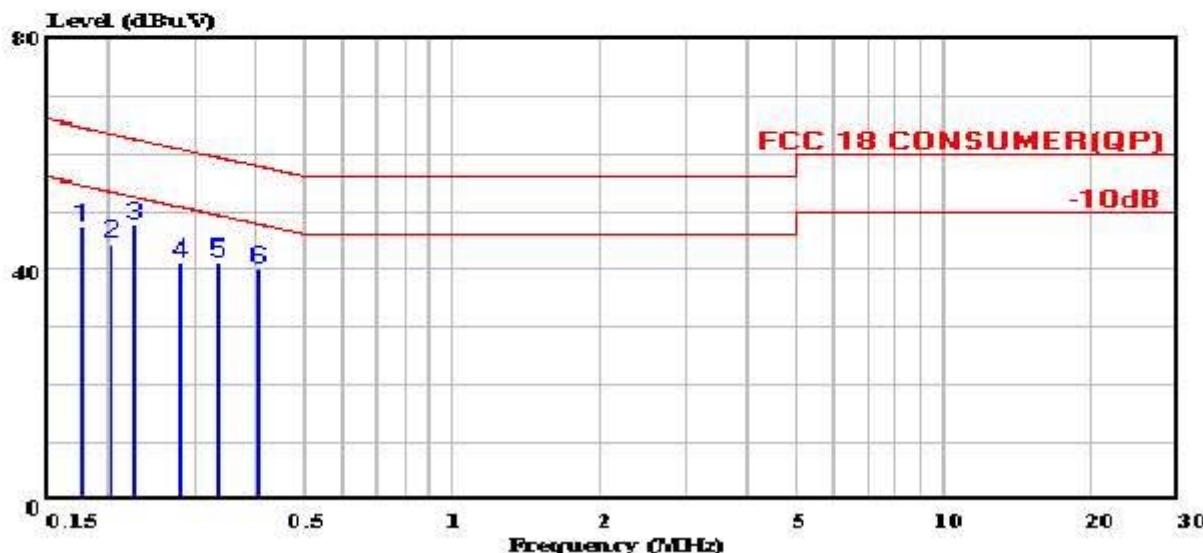
Freq	Read	Limit	Over	Cable	Probe
	Level	Level	Line	Limit Factor	Loss Factor
MHz	dBuV	dBuV	dBuV	dB	dB
1	0.153	47.70	47.92	65.82	-17.90
2	0.177	46.27	46.49	64.64	-18.15
3	0.203	40.16	40.38	63.49	-23.11
4	0.224	46.29	46.50	62.66	-16.16
5	0.280	40.28	40.44	60.81	-20.37
6	0.332	38.24	38.38	59.40	-21.02



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Data#: 347 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-03 Time: 12:00:22



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VB
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-20W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23°C 56%RH
 Test line : VB
 Test Mode : on
 Test Engineer:

Solon Gray

Page: 1

Freq	Read	Limit	Over	Cable		Probe		
	Level	Level	Line	Limit	Factor	Loss	Factor	
	MHz	dBuV	dBuV	dB	dB	dB	dB	
1	0.177	46.97	47.20	64.64	-17.44	0.23	0.04	0.19
2	0.203	44.32	44.52	63.49	-18.97	0.20	0.04	0.16
3	0.227	47.37	47.57	62.57	-15.00	0.20	0.04	0.16
4	0.279	40.95	41.15	60.85	-19.70	0.20	0.04	0.16
5	0.332	40.99	41.18	59.40	-18.22	0.19	0.04	0.15
6	0.402	39.84	40.01	57.81	-17.80	0.17	0.04	0.13

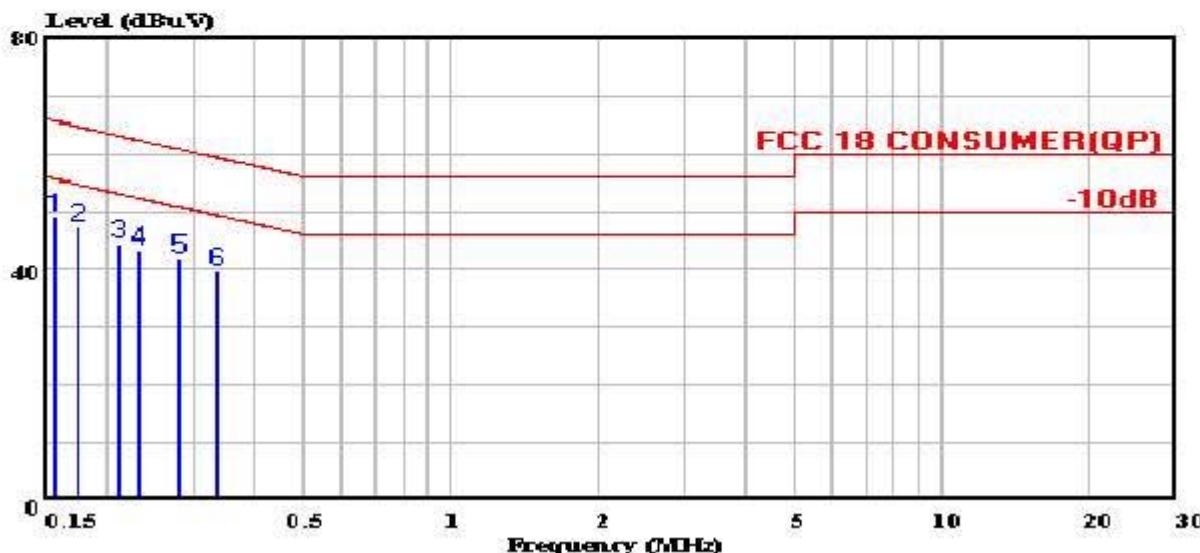
NOTE - The worst emission is detected at 0.227 MHz with corrected signal level of 47.57 (μ V) (limit is 62.57 μ V)), when the VB of the EUT is connected to LISN.



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Data#: 330 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-03 Time: 11:13:42



Site : Conducted emission
 Condition : FCC 18 CONSUMER (QP) KNW-407 VA
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-23W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23'C 56%RH
 Test line : VA
 Test Mode : on
 Test Engineer:

Solon Gony

Page: 1

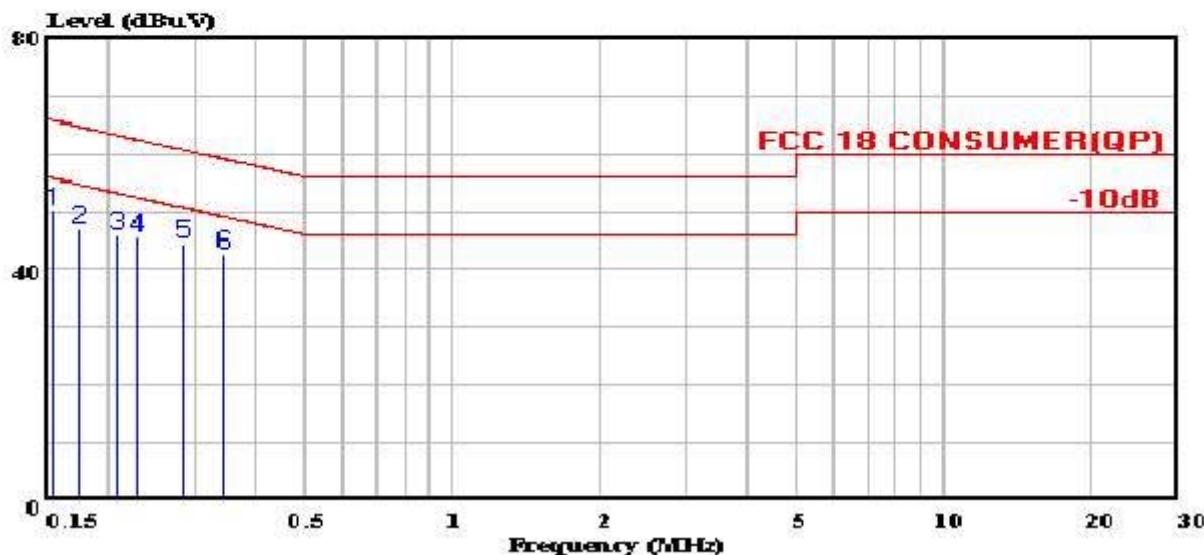
Freq	Read	Limit	Over	Cable	Probe
	Level	Level	Line	Limit Factor	Loss Factor
1	0.156	49.00	49.22	65.69 -16.47	0.22 0.03 0.19
2	0.174	47.02	47.24	64.77 -17.53	0.22 0.04 0.18
3	0.209	44.15	44.37	63.23 -18.86	0.22 0.04 0.18
4	0.233	43.35	43.56	62.35 -18.79	0.21 0.04 0.17
5	0.279	41.87	42.03	60.85 -18.82	0.16 0.04 0.12
6	0.336	39.84	39.98	59.31 -19.33	0.14 0.04 0.10



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Data#: 328 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-03 Time: 11:11:00



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VB
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-23W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23°C 56%RH
 Test line : VB
 Test Mode : on
 Test Engineer:

Solm Gong

Page: 1

Freq	Read	Limit	Over	Cable	Probe			
	Level	Level	Line	Limit Factor	Loss Factor			
	MHz	dBuV	dBuV	dB	dB	dB	dB	
1	0.153	49.97	50.22	65.82	-15.60	0.25	0.03	0.22
2	0.175	46.65	46.88	64.72	-17.84	0.23	0.04	0.19
3	0.207	45.57	45.77	63.32	-17.55	0.20	0.04	0.16
4	0.228	45.23	45.43	62.52	-17.09	0.20	0.04	0.16
5	0.282	44.15	44.35	60.76	-16.41	0.20	0.04	0.16
6	0.343	42.51	42.70	59.13	-16.43	0.19	0.04	0.15

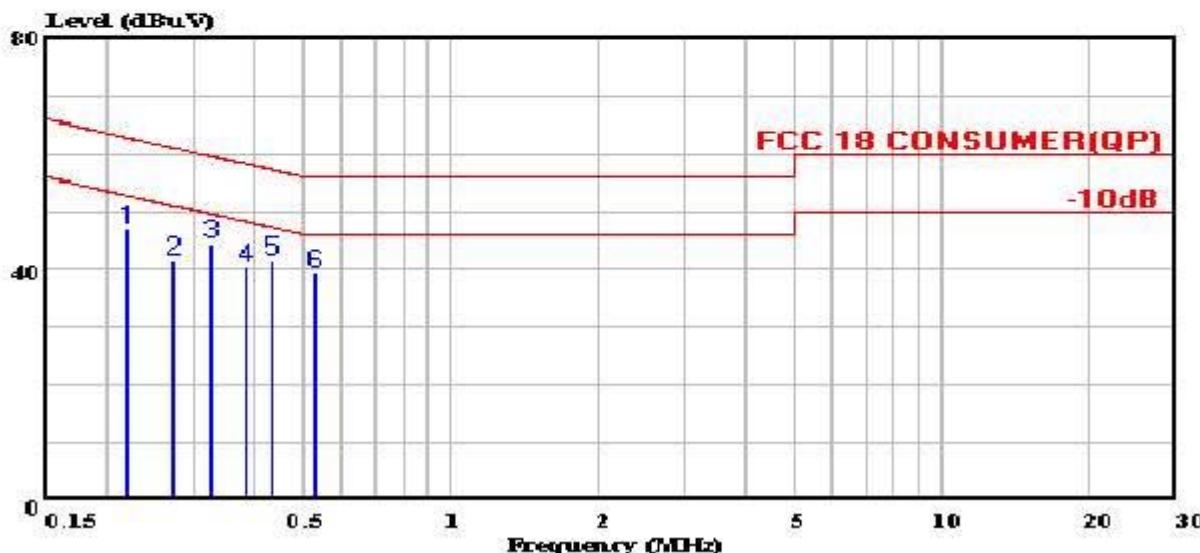
NOTE - The worst emission is detected at 0.153 MHz with corrected signal level of 50.22 (μ V) (limit is 65.82 μ V)), when the VB of the EUT is connected to LISN.



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Data#: 439 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-03 Time: 17:05:40



Site : Conducted emission
 Condition : FCC 18 CONSUMER (QP) KNW-407 VA
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-26W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23'C 56%RH
 Test line : VA
 Test Mode : on
 Test Engineer:

Soton Gong

Page: 1

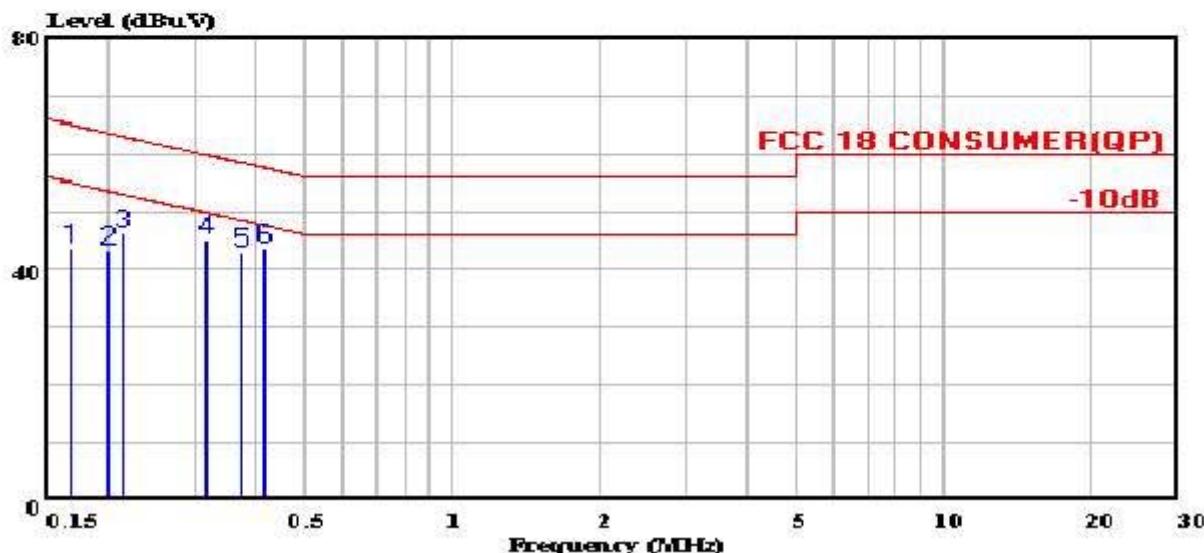
Freq	Read	Limit	Over	Cable	Probe			
	Level	Level	Line	Limit Factor	Loss Factor			
1	0.220	46.79	47.00	62.83	-15.83	0.21	0.04	0.17
2	0.273	41.31	41.48	61.03	-19.55	0.17	0.04	0.13
3	0.325	44.20	44.34	59.57	-15.23	0.14	0.04	0.10
4	0.381	40.46	40.59	58.25	-17.66	0.13	0.04	0.09
5	0.431	41.41	41.54	57.24	-15.70	0.13	0.04	0.09
6	0.527	39.24	39.36	56.00	-16.64	0.12	0.04	0.08



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aciemc@audix.com

Data#: 441 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-03 Time: 17:07:55



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VB
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-26W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23'C 56%RH
 Test line : VB
 Test Mode : on
 Test Engineer:

Solon Gong

Page: 1

Freq	Read	Limit	Over	Cable	Probe
	Level	Level	Line	Limit Factor	Loss Factor
	MHz	dBuV	dBuV	dB	dB
1	0.167	43.71	43.94	65.12 -21.18	0.23 0.03 0.20
2	0.200	43.34	43.54	63.62 -20.08	0.20 0.04 0.16
3	0.213	45.95	46.15	63.10 -16.95	0.20 0.04 0.16
4	0.317	45.14	45.33	59.80 -14.47	0.19 0.04 0.15
5	0.371	42.81	42.99	58.47 -15.48	0.18 0.04 0.14
6	0.413	43.54	43.71	57.59 -13.88	0.17 0.04 0.13

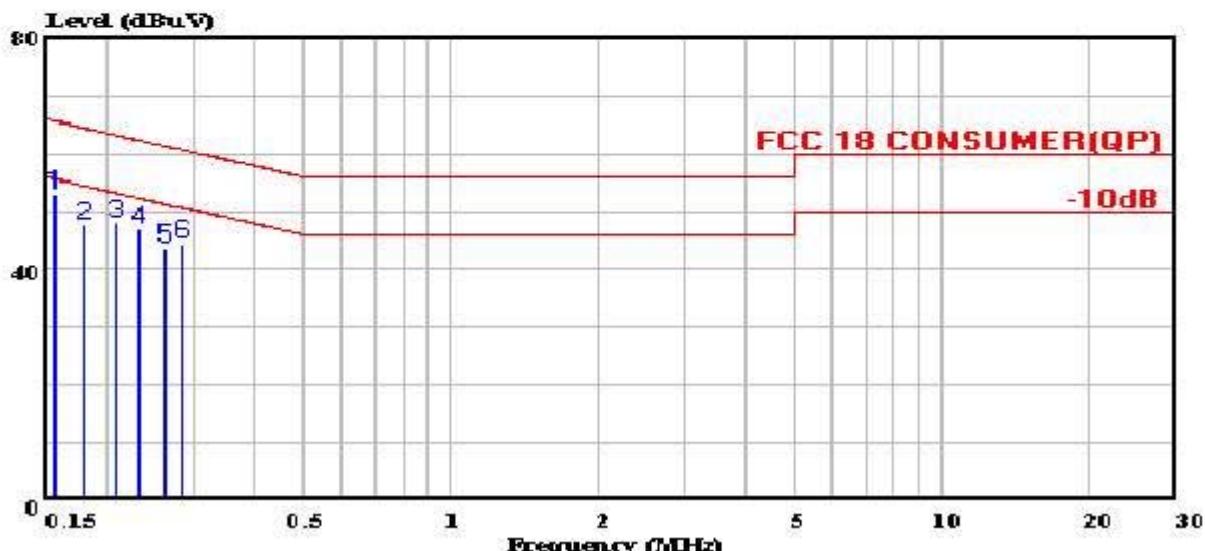
NOTE - The worst emission is detected at 0.413 MHz with corrected signal level of 43.71 (μ V) (limit is 57.59 μ V)), when the VB of the EUT is connected to LISN.



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Data#: 332 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-03 Time: 11:22:17



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VA
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-30W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23'C 56%RH
 Test line : VA
 Test Mode : on
 Test Engineer:

Soton Gong

Page: 1

Freq	Read	Limit	Over	Cable	Probe			
	Level	Level	Line	Limit Factor	Loss Factor			
	MHz	dBuV	dBuV	dB	dB	dB	dB	
1	0.156	53.03	53.25	65.69	-12.44	0.22	0.03	0.19
2	0.180	47.33	47.55	64.50	-16.95	0.22	0.04	0.18
3	0.207	47.83	48.05	63.32	-15.27	0.22	0.04	0.18
4	0.232	46.67	46.88	62.39	-15.51	0.21	0.04	0.17
5	0.260	43.46	43.65	61.42	-17.77	0.19	0.04	0.15
6	0.283	44.18	44.34	60.72	-16.38	0.16	0.04	0.12

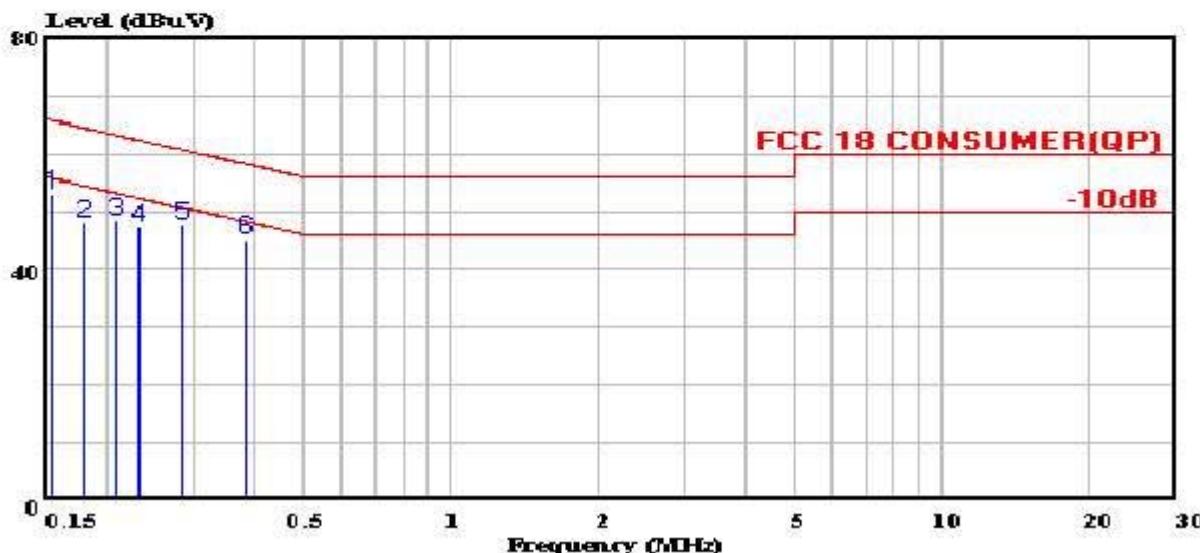
NOTE - The worst emission is detected at 0.156 MHz with corrected signal level of 53.25 (μ V) (limit is 65.69 μ V)), when the VA of the EUT is connected to LISN.



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Data#: 334 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-03 Time: 11:24:40



Site : Conducted emission
 Condition : FCC 18 CONSUMER (QP) KNW-407 VB
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-30W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23'C 56%RH
 Test line : VB
 Test Mode : on
 Test Engineer:

Soton Gong

Page: 1

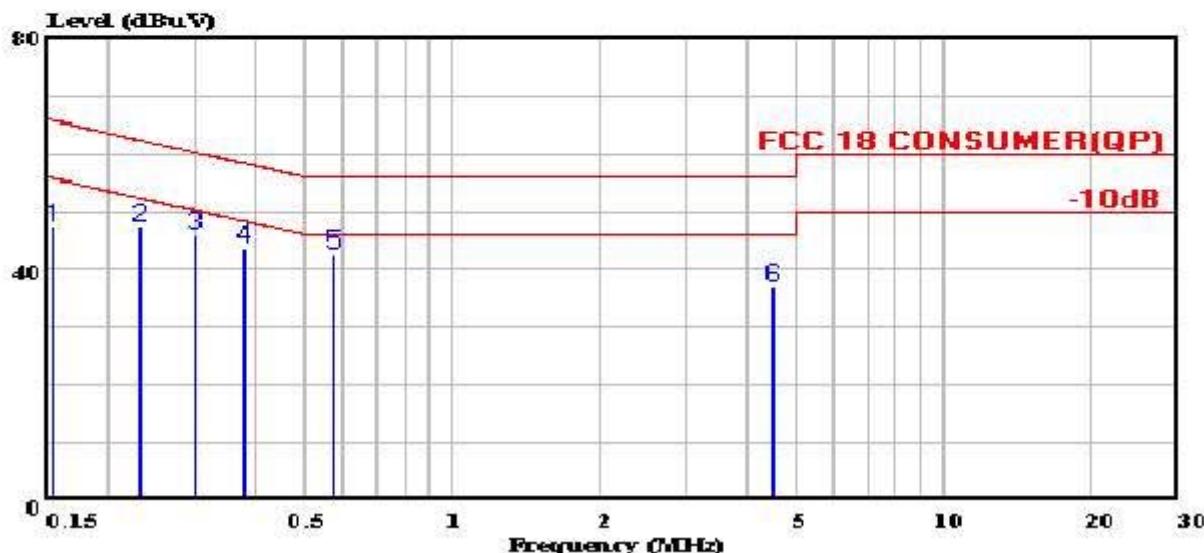
Freq	Read	Limit	Over	Cable	Probe
	Level	Level	Line	Limit Factor	Loss Factor
1	0.155	52.69	52.94	65.74 -12.80	0.25 0.03 0.22
2	0.178	47.82	48.05	64.59 -16.54	0.23 0.04 0.19
3	0.207	48.23	48.43	63.32 -14.89	0.20 0.04 0.16
4	0.230	47.05	47.25	62.44 -15.19	0.20 0.04 0.16
5	0.282	47.53	47.73	60.76 -13.03	0.20 0.04 0.16
6	0.383	45.08	45.26	58.21 -12.95	0.18 0.04 0.14



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Data#: 1079 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:14:36



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VA
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-T9M-22W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23°C 56%RH
 Test line : VA
 Test Mode : ON
 Test Engineer:

Solen Gong

Page: 1

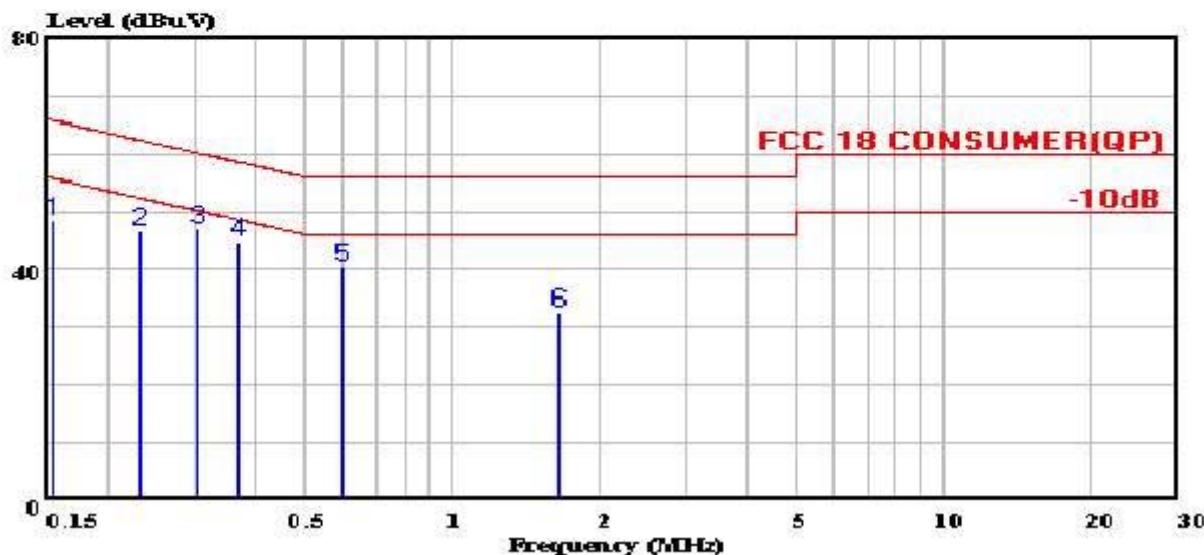
Freq	Read	Limit	Over	Cable	Probe			
	Level	Level	Line	Limit Factor	Loss Factor			
	MHz	dBuV	dBuV	dB	dB	dB	dB	
1	0.155	47.11	47.33	65.74	-18.41	0.22	0.03	0.19
2	0.232	47.27	47.48	62.39	-14.91	0.21	0.04	0.17
3	0.299	45.75	45.89	60.28	-14.39	0.14	0.04	0.10
4	0.375	43.52	43.65	58.39	-14.74	0.13	0.04	0.09
5	0.570	42.67	42.78	56.00	-13.22	0.11	0.04	0.07
6	4.501	36.68	36.89	56.00	-19.11	0.21	0.12	0.09



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Data#: 1081 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:17:12



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VB
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-T9M-22W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23°C 56%RH
 Test line : VB
 Test Mode : ON
 Test Engineer:

Solon Gong

Page: 1

Freq	Read	Limit	Over	Cable	Probe
	Level	Level	Line	Limit Factor	Loss Factor
MHz	dBuV	dBuV	dBuV	dB	dB
1	0.154	48.35	48.60	65.78	-17.18
2	0.232	46.35	46.55	62.39	-15.84
3	0.302	46.81	47.01	60.19	-13.18
4	0.365	44.70	44.88	58.61	-13.73
5	0.598	40.25	40.40	56.00	-15.60
6	1.654	32.35	32.53	56.00	-23.47

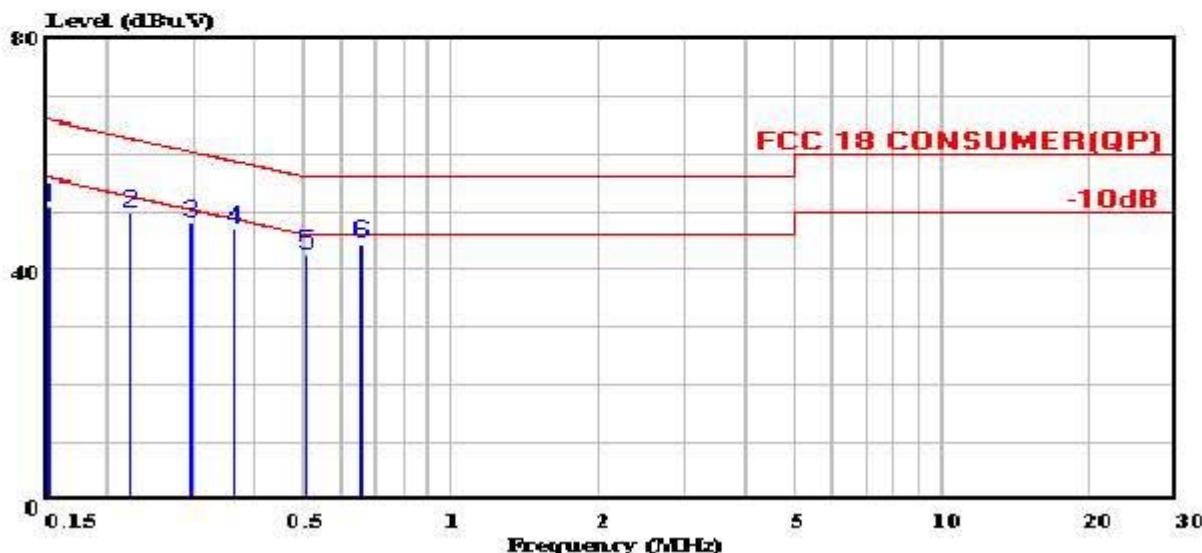
NOTE - The worst emission is detected at 0.302 MHz with corrected signal level of 47.01 (μ V) (limit is 60.19 μ V)), when the VB of the EUT is connected to LISN.



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Data#: 1085 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:21:17



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VA
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-T9M-32W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23'C 56%RH
 Test line : VA
 Test Mode : ON
 Test Engineer:

Soton Gong

Page: 1

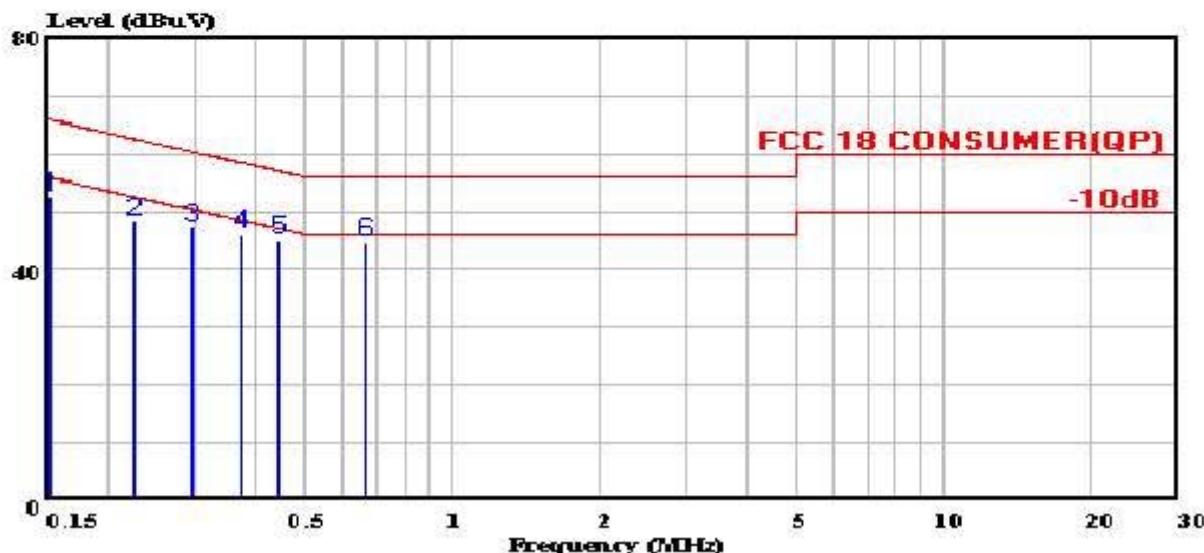
Freq	Read	Limit	Over	Cable	Probe			
	Level	Level	Line	Limit Factor	Loss Factor			
MHz	dBuV	dBuV	dBuV	dB	dB			
1	0.152	50.89	51.11	65.91	-14.80	0.22	0.03	0.19
2	0.222	49.64	49.85	62.74	-12.89	0.21	0.04	0.17
3	0.294	47.81	47.96	60.41	-12.45	0.15	0.04	0.11
4	0.363	46.71	46.84	58.65	-11.81	0.13	0.04	0.09
5	0.510	42.70	42.82	56.00	-13.18	0.12	0.04	0.08
6	0.658	44.22	44.33	56.00	-11.67	0.11	0.05	0.06



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Data#: 1083 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:19:30



Site : Conducted emission
 Condition : FCC 18 CONSUMER(QP) KNW-407 VB
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-T9M-32W
 S/N :
 Power Supply : 120V/60Hz
 Ambient : 23°C 56%RH
 Test line : VB
 Test Mode : ON
 Test Engineer:

Solon Gong

Page: 1

Freq	Read	Limit	Over	Cable	Probe
	Level	Level	Line	Limit Factor	Loss Factor
MHz	dBuV	dBuV	dBuV	dB	dB
1	0.152	52.33	52.59	65.87	-13.28
2	0.224	48.15	48.35	62.66	-14.31
3	0.296	47.03	47.23	60.37	-13.14
4	0.373	46.23	46.41	58.43	-12.02
5	0.442	44.87	45.03	57.02	-11.99
6	0.668	44.81	44.97	56.00	-11.03

NOTE - The worst emission is detected at 0.668 MHz with corrected signal level of 44.97 (μ V) (limit is 56.00 μ V)), when the VB of the EUT is connected to LISN.

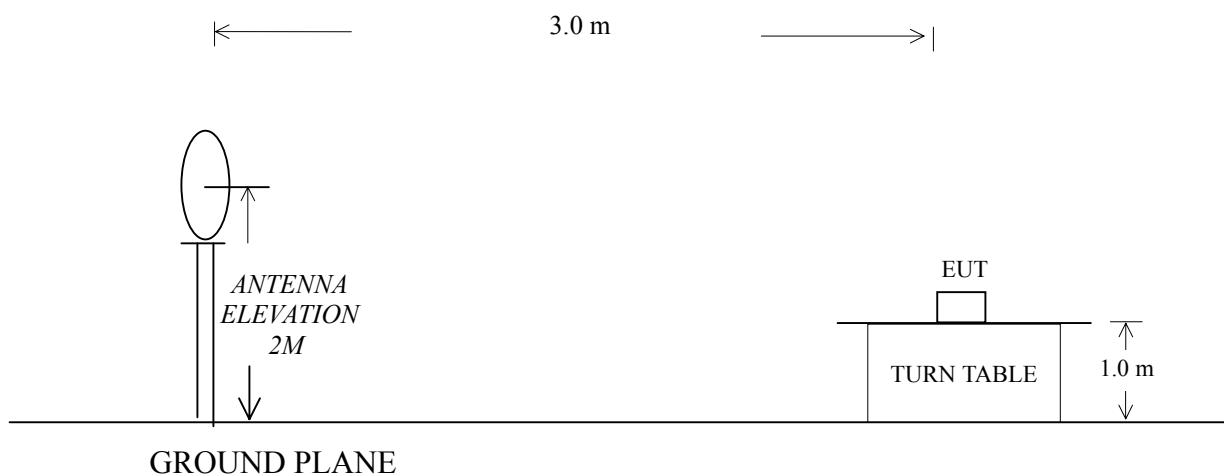
3 MAGNETIC FIELD EMISSION TEST

3.1 Test Equipment

The following test equipment are used during the field strength test in a shielded room:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Loop Antenna	CHASE	HLA6120	1062	Jun 02, 03	1 Year
2.	Test Receiver	Rohde & Schwarz	ESVS10	844594/001	Apr 22, 03	1 Year

3.2 Block Diagram of Test Setup



3.3 Magnetic Field Emission Limit

All emanations from Non-ISM frequency devices or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Frequency (MHz)	Quasi-peak Electric Field Test Distance 3m dB(μ V/m)
0.009~30	63.5

NOTE – Distance refers to the distance in meters between the test antenna and the closed point of any part of the EUT.

3.4 EUT Configuration on Test

The FCC part 18 regulations test method must be used to find the maximum emission during Radiated Emission test.

The configuration of the EUT is same as used in conducted emission test. Please Refer to Section 2.4.

3.5 Operating Condition of EUT

3.5.1 Setup the EUT as shown on Section 3.2.

3.5.2 Turn on the power of all equipments.

3.5.3 Let the EUT work in test mode (Lighting) and test it.

3.6 Test Procedures

The EUT is placed on a table, which is 1.0 meter above ground. Measurements are performed at 3.0m distance with a 0.6m loop antenna as described in 2.2.4 of MP-5 . The antenna shall be with the lower edge of the loop at 2m height above the floor.

The bandwidth setting on the test receiver (R&S Test Receiver ESHS10) is 200Hz from 9kHz to 150kHz and 10kHz from 150kHz to 30MHz. The EUT is tested in a semi-anechoic chamber.

All the scanning waveforms are attached within Sec. 3.7.

3.7 Test Results

<PASS>

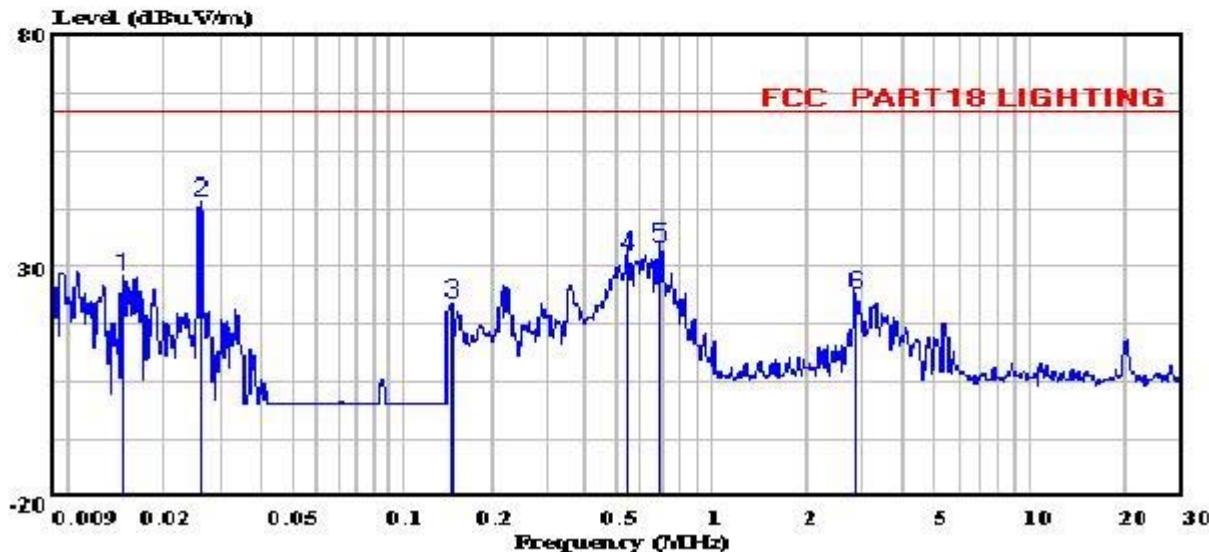
Refer to the following pages.



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Data#: 95 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:33:47



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-IISM-13W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Solen Gong

Page: 1

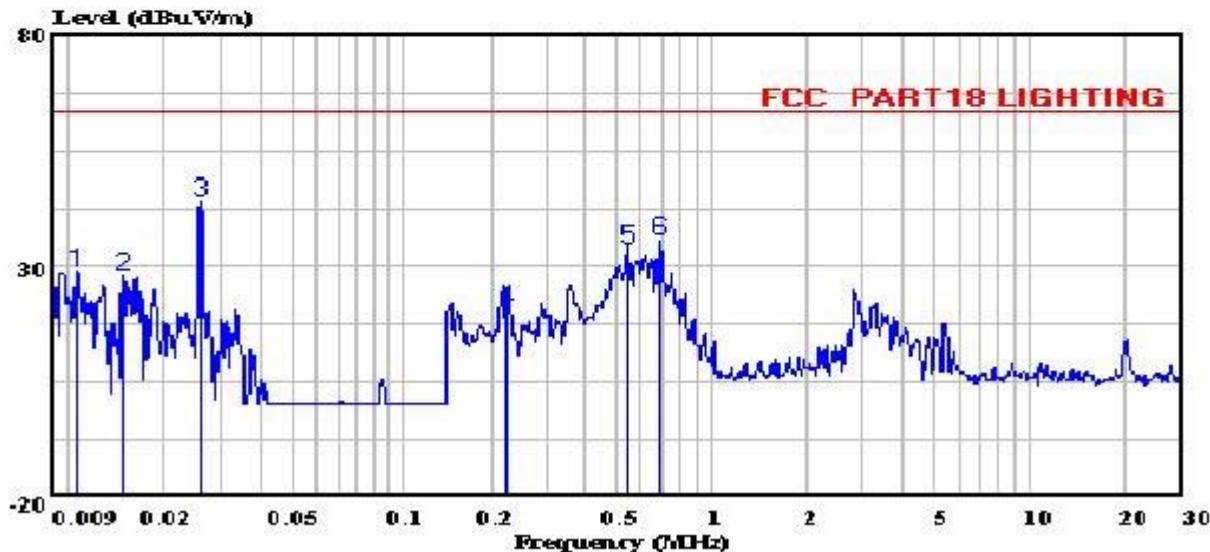
Freq	Read	Limit		Over
	Level	Level	Line	
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.015	27.83	27.83	63.50 -35.67
2	0.026	44.29	44.29	63.50 -19.21
3	0.156	22.02	22.02	63.50 -41.48
4	0.564	32.58	32.58	63.50 -30.92
5	0.702	34.46	34.46	63.50 -29.04
6	2.854	24.11	24.11	63.50 -39.39



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aciemc@audix.com

Data#: 94 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:33:47



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-IISM-15W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer: *Solon Gong*

Page: 1

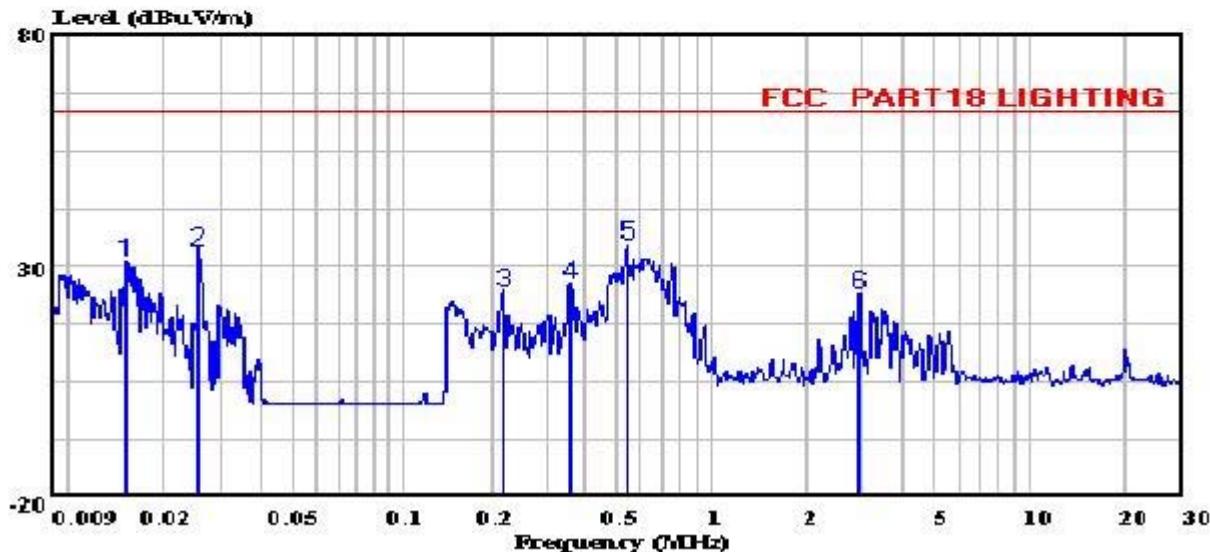
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	Level	Level	Line	Limit	
MHz	dBuV	dBuV/m	dBuV/m	dB	
1	0.011	29.02	29.02	63.50	-34.48
2	0.015	27.83	27.83	63.50	-35.67
3	0.026	44.29	44.29	63.50	-19.21
4	0.233	20.64	20.64	63.50	-42.86
5	0.559	33.67	33.67	63.50	-29.83
6	0.707	35.51	35.51	63.50	-27.99



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Data#: 92 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:31:08



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-IISM-18W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Solen Gong

Page: 1

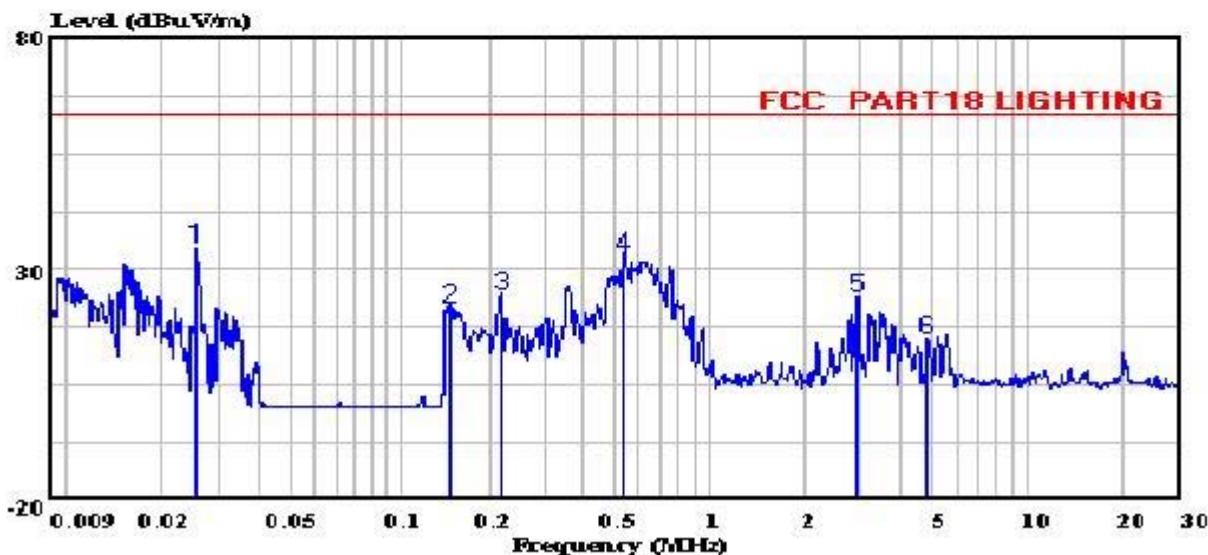
Freq	Read	Limit	Over	
	Level	Level	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.015	31.14	31.14	63.50 -32.36
2	0.026	33.24	33.24	63.50 -30.26
3	0.227	24.28	24.28	63.50 -39.22
4	0.373	26.12	26.12	63.50 -37.38
5	0.554	34.86	34.86	63.50 -28.64
6	2.948	24.06	24.06	63.50 -39.44



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aciemc@audix.com

Data#: 91 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:31:08



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-0000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-IISM-20W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Solon Gong

Page: 1

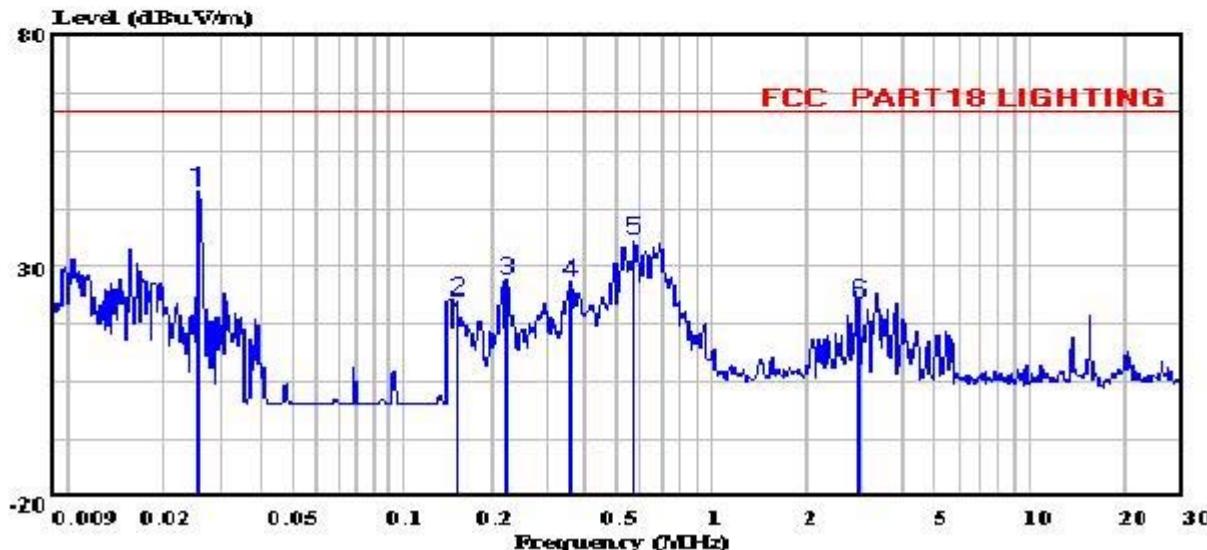
Freq	Read	Limit		Over
	Level	Level	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.025	34.63	34.63	63.50 -28.87
2	0.158	21.60	21.60	63.50 -41.90
3	0.227	24.28	24.28	63.50 -39.22
4	0.550	33.09	33.09	63.50 -30.41
5	2.948	24.06	24.06	63.50 -39.44
6	4.875	14.99	14.99	63.50 -48.51



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aciemc@audix.com

Data#: 106 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:47:33



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-USM-15W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Solen Gong

Page: 1

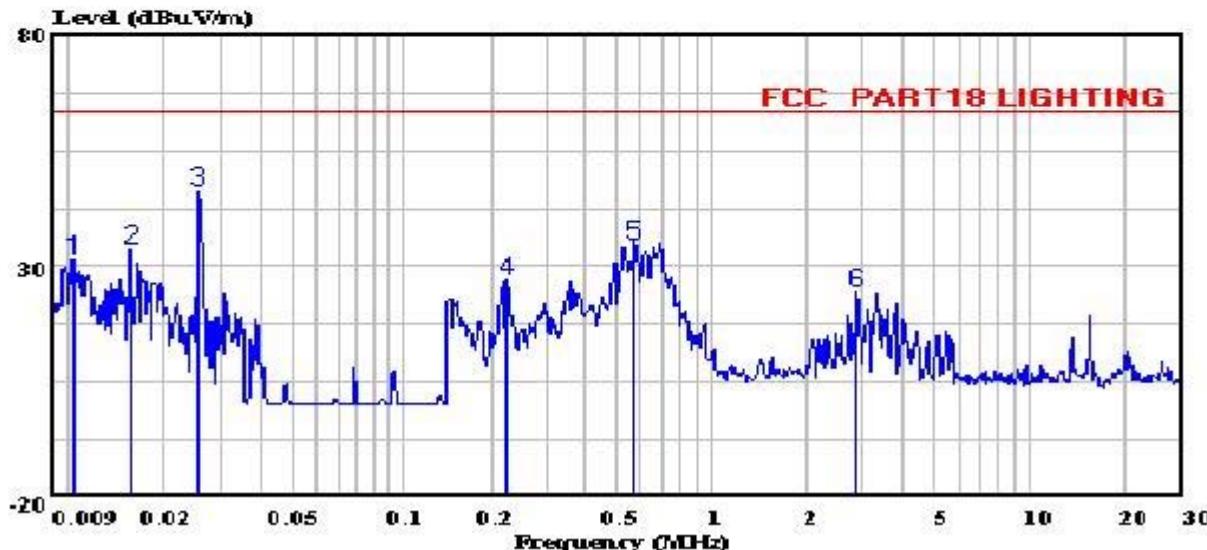
Freq	Read	Limit		Over	
	Level	Level	Line	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB	
1	0.026	46.16	46.16	63.50	-17.34
2	0.163	22.44	22.44	63.50	-41.06
3	0.235	27.11	27.11	63.50	-36.39
4	0.373	26.83	26.83	63.50	-36.67
5	0.587	35.82	35.82	63.50	-27.68
6	2.925	22.11	22.11	63.50	-41.39



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Data#: 107 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:47:33



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-USM-18W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Soton Gong

Page: 1

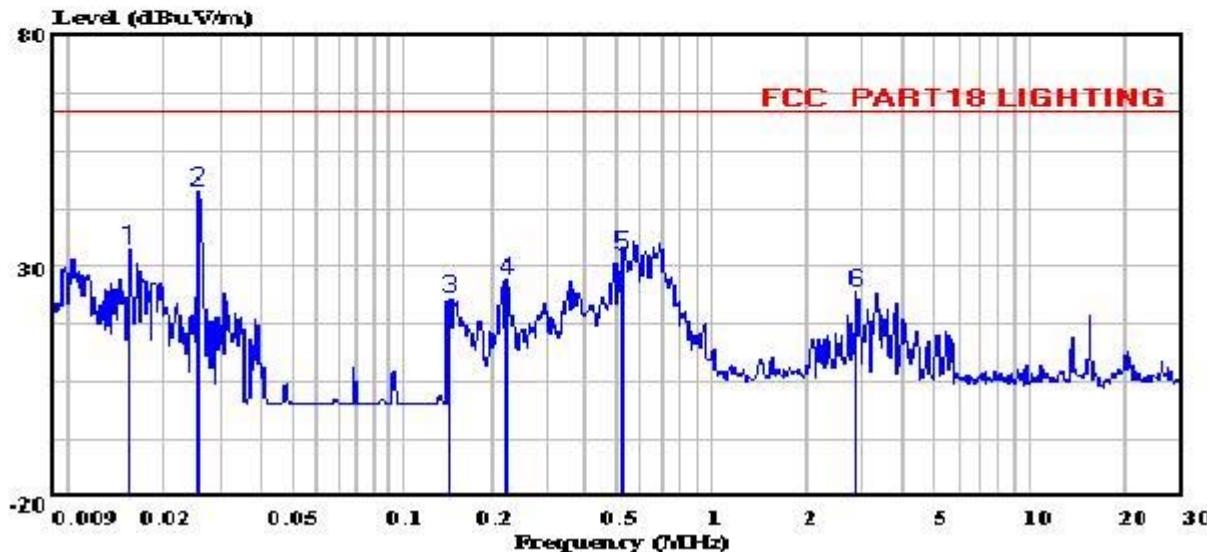
Freq	Read	Limit		Over	
	Level	Level	Line	Limit	
MHz	dBuV	dBuV/m	dBuV/m	dB	
1	0.010	31.65	31.65	63.50	-31.85
2	0.016	33.78	33.78	63.50	-29.72
3	0.026	46.16	46.16	63.50	-17.34
4	0.235	27.11	27.11	63.50	-36.39
5	0.582	34.52	34.52	63.50	-28.98
6	2.901	24.36	24.36	63.50	-39.14



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Data#: 108 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:47:33



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-USM-20W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Soton Gong

Page: 1

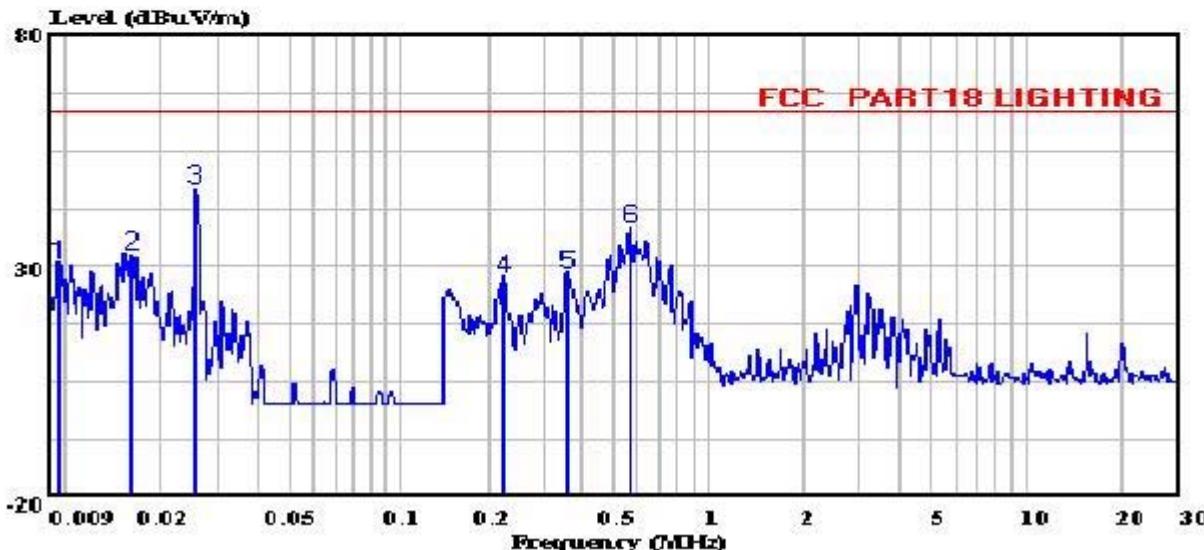
Freq	Read	Limit	Over	
	Level	Level	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.015	33.62	33.62	63.50 -29.88
2	0.026	46.16	46.16	63.50 -17.34
3	0.154	22.92	22.92	63.50 -40.58
4	0.235	27.11	27.11	63.50 -36.39
5	0.537	32.68	32.68	63.50 -30.82
6	2.901	24.36	24.36	63.50 -39.14



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Data#: 104 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:43:17



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-USM-23W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Soton Gong

Page: 1

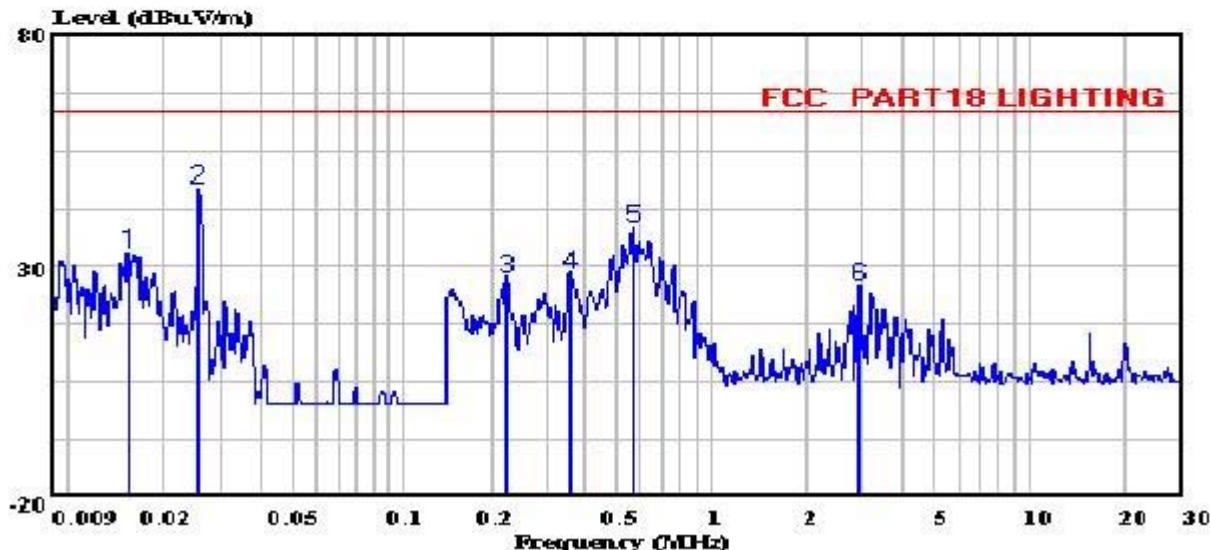
Freq	Read	Limit	Over		
	MHz	dBuV	dBuV/m	Line	Limit
1	0.010	30.68	30.68	63.50	-32.82
2	0.016	32.38	32.38	63.50	-31.12
3	0.026	46.68	46.68	63.50	-16.82
4	0.235	27.34	27.34	63.50	-36.16
5	0.370	28.65	28.65	63.50	-34.85
6	0.577	38.12	38.12	63.50	-25.38



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Data#: 103 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:43:17



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-USM-26W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Solon Gong

Page: 1

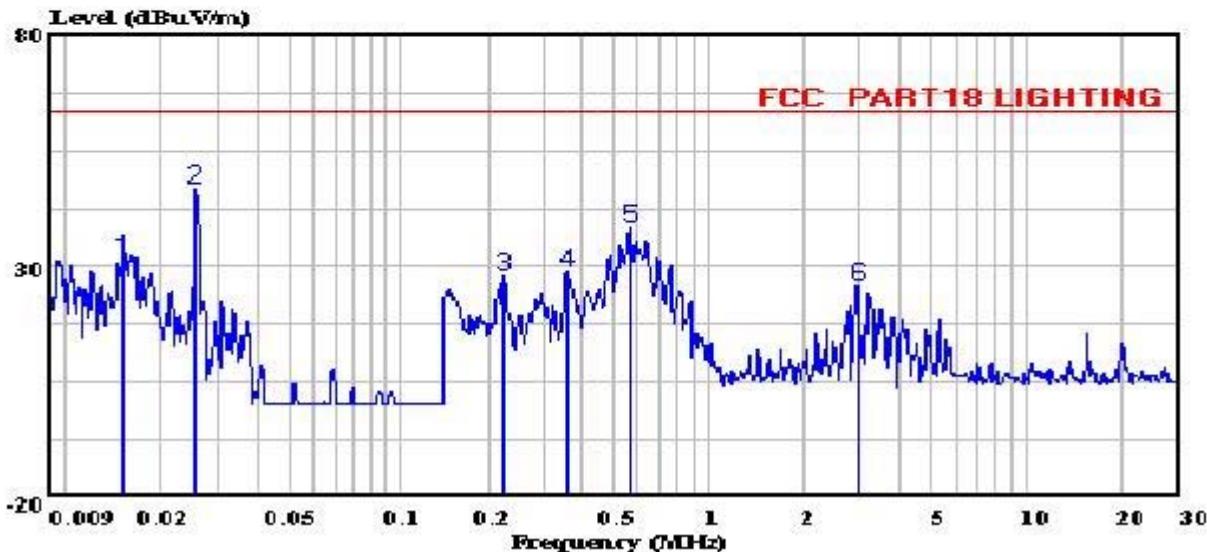
Freq	Read	Limit	Over	
	Level	Level	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.015	32.78	32.78	63.50 -30.72
2	0.026	46.68	46.68	63.50 -16.82
3	0.235	27.34	27.34	63.50 -36.16
4	0.373	28.39	28.39	63.50 -35.11
5	0.577	38.12	38.12	63.50 -25.38
6	2.948	25.52	25.52	63.50 -37.98



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Data#: 102 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:43:17



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-USM-30W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Soton Gong

Page: 1

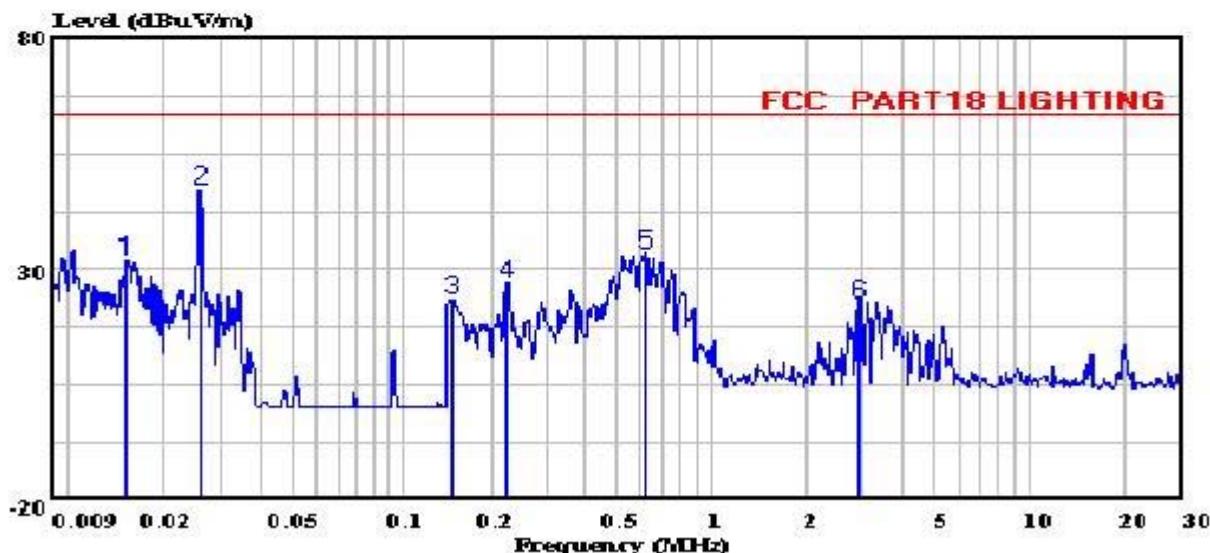
Freq	Read	Limit	Over	
	Level	Level	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.015	31.60	31.60	63.50 -31.90
2	0.026	46.68	46.68	63.50 -16.82
3	0.233	27.79	27.79	63.50 -35.71
4	0.367	28.92	28.92	63.50 -34.58
5	0.577	38.12	38.12	63.50 -25.38
6	2.972	25.96	25.96	63.50 -37.54



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Data#: 156 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 17:20:41



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE- I SM-20W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Solon George

Page: 1

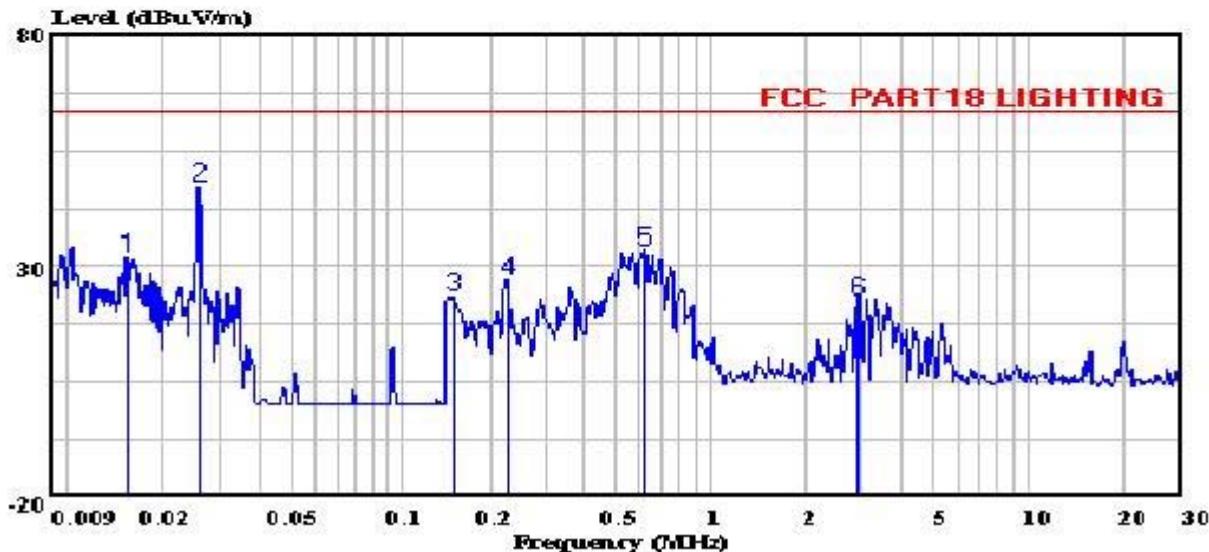
Freq	Read	Limit		Over
	Level	Level	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.015	32.24	32.24	63.50 -31.26
2	0.026	47.25	47.25	63.50 -16.25
3	0.158	23.33	23.33	63.50 -40.17
4	0.235	26.97	26.97	63.50 -36.53
5	0.631	33.41	33.41	63.50 -30.09
6	2.925	22.41	22.41	63.50 -41.09



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aciemc@audix.com

Data#: 157 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 17:20:41



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE- I SM-23W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Soton Gong

Page: 1

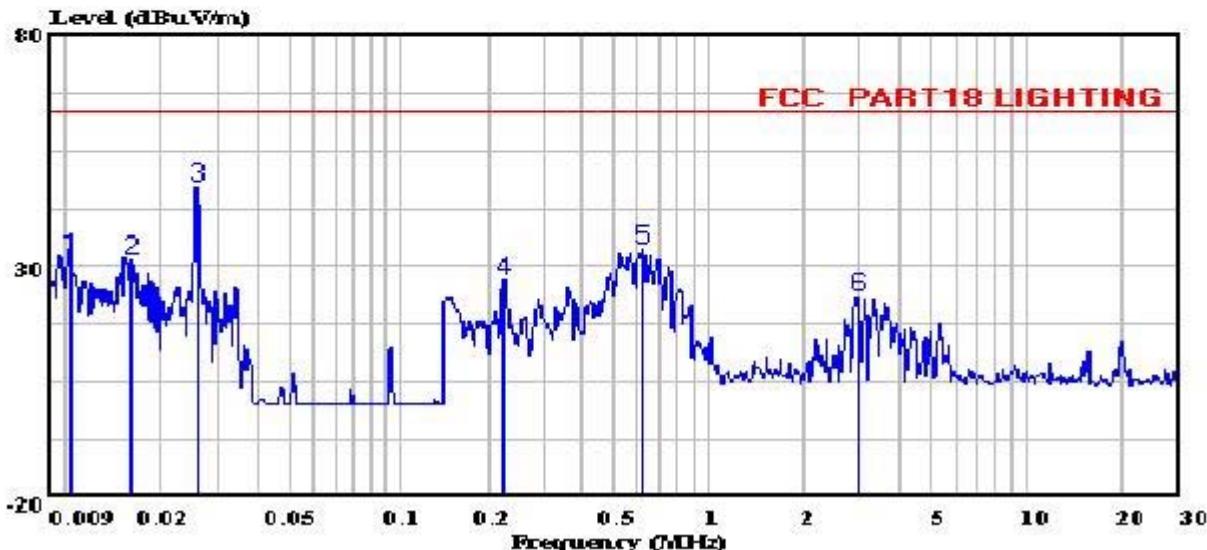
Freq	Read	Limit		Over	
	Level	Level	Line	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB	
1	0.015	32.12	32.12	63.50	-31.38
2	0.026	47.25	47.25	63.50	-16.25
3	0.160	23.62	23.62	63.50	-39.88
4	0.237	27.11	27.11	63.50	-36.39
5	0.631	33.41	33.41	63.50	-30.09
6	2.925	22.41	22.41	63.50	-41.09



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Tel:+86-21-64955500
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Data#: 158 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 17:20:41



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE- I SM-26W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Soton Gong

Page: 1

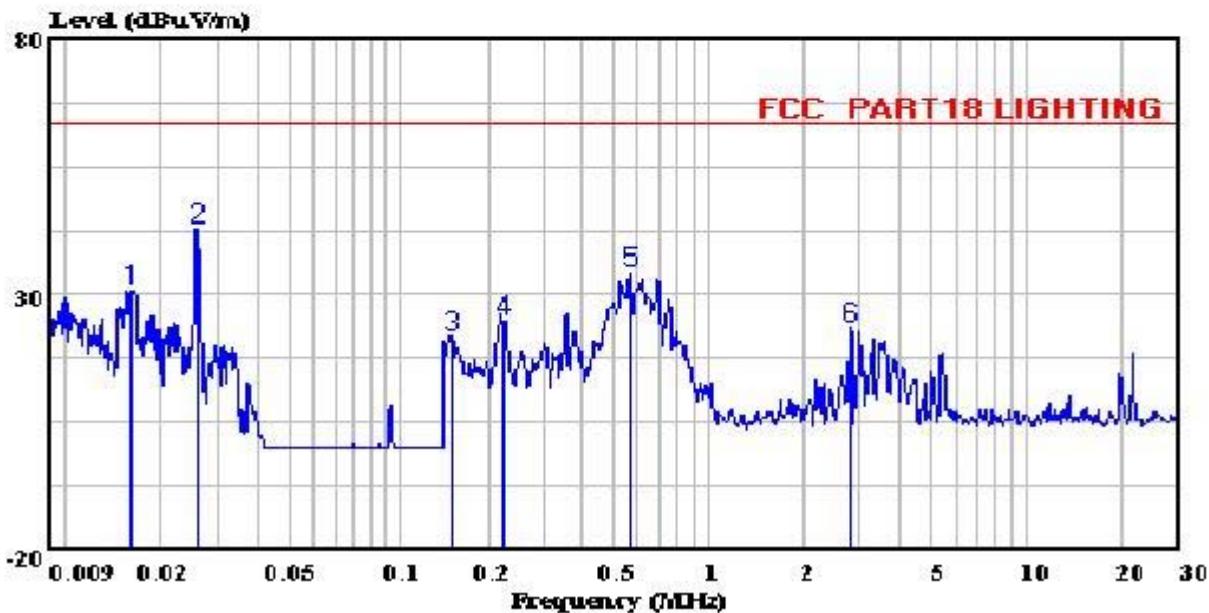
Freq	Read	Limit	Over	
	Level	Level	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.010	31.90	31.90	63.50 -31.60
2	0.016	31.37	31.37	63.50 -32.13
3	0.026	47.25	47.25	63.50 -16.25
4	0.235	26.97	26.97	63.50 -36.53
5	0.636	33.68	33.68	63.50 -29.82
6	2.972	23.51	23.51	63.50 -39.99



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Tel:+86-21-64955500
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Data#: 215 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:38:17



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-ISM-30W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer: *Solon Gong*

Page: 1

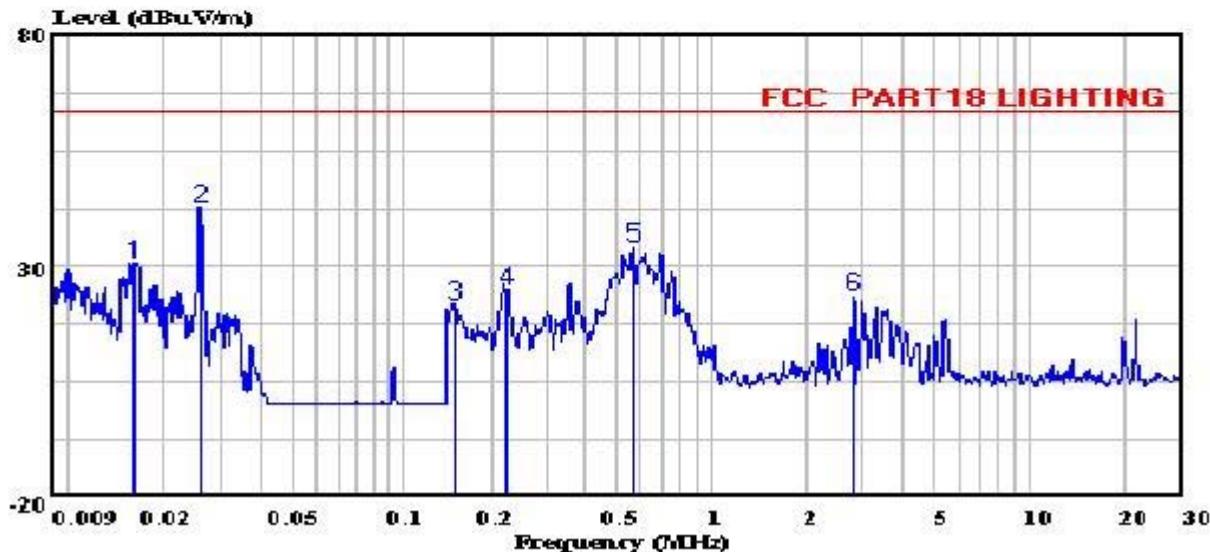
Freq	Read	Limit	Over		
	Level	Level	Line	Limit	
	MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.016	30.48	30.48	63.50	-33.02
2	0.026	42.71	42.71	63.50	-20.79
3	0.162	21.69	21.69	63.50	-41.81
4	0.233	24.85	24.85	63.50	-38.65
5	0.577	34.32	34.32	63.50	-29.18
6	2.831	23.28	23.28	63.50	-40.22



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Data#: 213 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:38:17



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-T9M-22W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer: *Solen Gony*

Page: 1

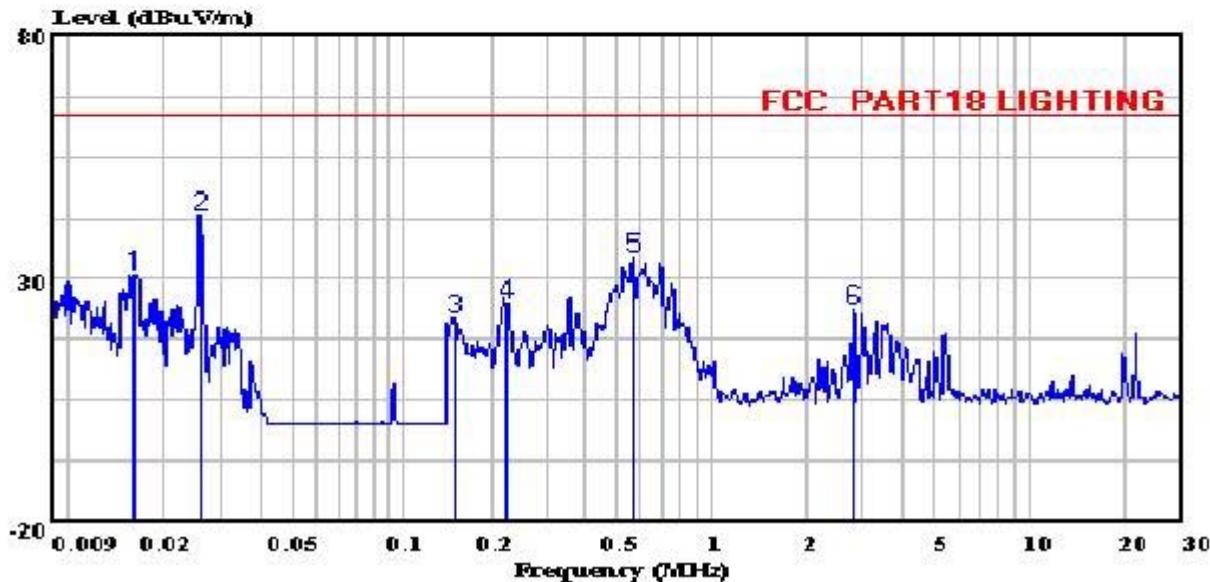
Freq	Read	Limit		Over
	Level	Level	Line	Limit
MHz	dBuV	dBuV/m	dBuV/m	dB
1	0.016	30.48	30.48	63.50 -33.02
2	0.026	42.71	42.71	63.50 -20.79
3	0.162	21.69	21.69	63.50 -41.81
4	0.233	24.85	24.85	63.50 -38.65
5	0.577	34.32	34.32	63.50 -29.18
6	2.831	23.28	23.28	63.50 -40.22



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Data#: 214 File#: E:\EMI_TEST\Data\L\longstar.EMI

Date: 2003-05-11 Time: 16:38:17



Site : audix-aci NO.3 CHAMBER
 Condition : FCC PART18 LIGHTING 3m
 Project No. : AOE-000365
 Applicant : XIAMEN LONGSTAR LIGHTING CO., LTD
 EUT : Energy Saving Lamp
 M/N : FE-T9M-32W
 Power Supply : 120V/60Hz
 Ambient : 20.7C, 53%
 Test Mode : on
 S/N :
 Test Engineer:

Soton Gong

Page: 1

Freq	Read		Limit		Over
	Level	Level	Line	Line	
MHz	dBuV	dBuV/m	dBuV/m	dB	
1	0.016	30.48	30.48	63.50	-33.02
2	0.026	42.71	42.71	63.50	-20.79
3	0.162	21.69	21.69	63.50	-41.81
4	0.233	24.85	24.85	63.50	-38.65
5	0.577	34.32	34.32	63.50	-29.18
6	2.831	23.28	23.28	63.50	-40.22