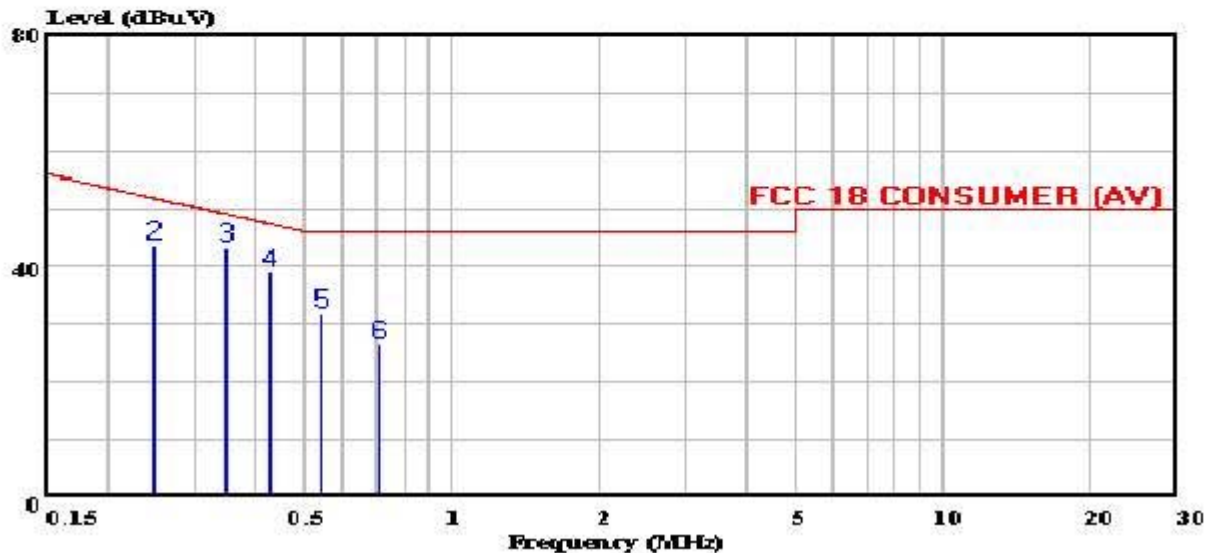




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aciemc@audix.com

Data#: 310 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-04-02 Time: 19:56:12



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KMW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-USD-30W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23°C 56%RH  
Test line : VB  
Test Mode : on  
Test Engineer:

*Salon Gong*

Page: 1

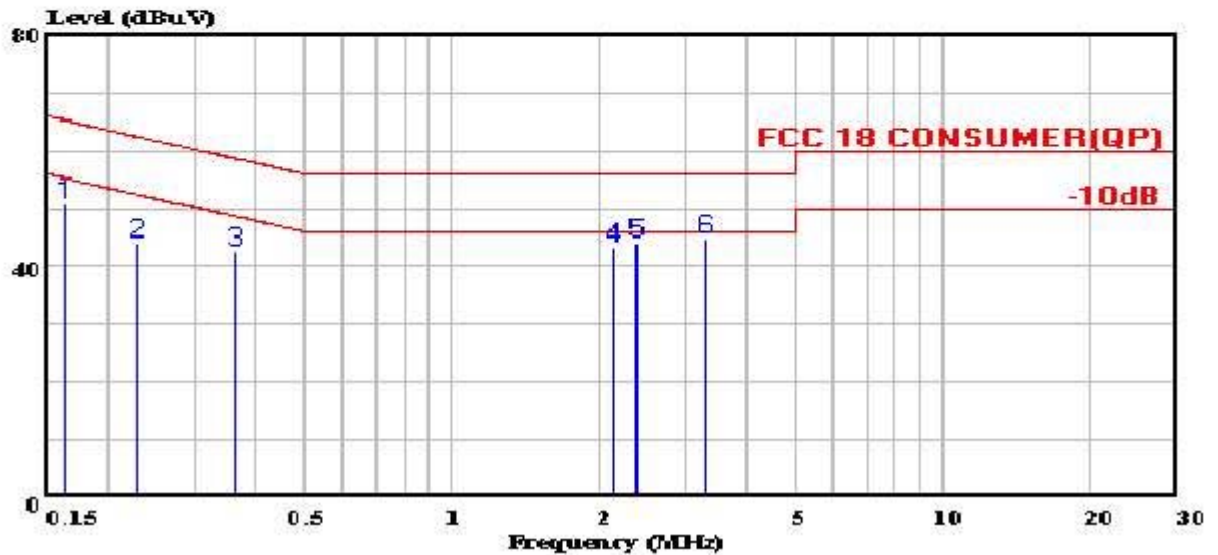
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.150	37.80	38.06	56.00	-17.94	0.26	0.03	0.23
2	0.247	43.70	43.90	51.86	-7.96	0.20	0.04	0.16
3	0.347	43.30	43.49	49.03	-5.54	0.19	0.04	0.15
4	0.425	39.10	39.27	47.35	-8.08	0.17	0.04	0.13
5	0.547	31.80	31.95	46.00	-14.05	0.15	0.04	0.11
6	0.717	26.40	26.56	46.00	-19.44	0.16	0.05	0.11



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Data#: 934 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-10 Time: 06:13:28



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-ISD-15W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : on  
Test Engineer:

*Solon Gong*

Page: 1

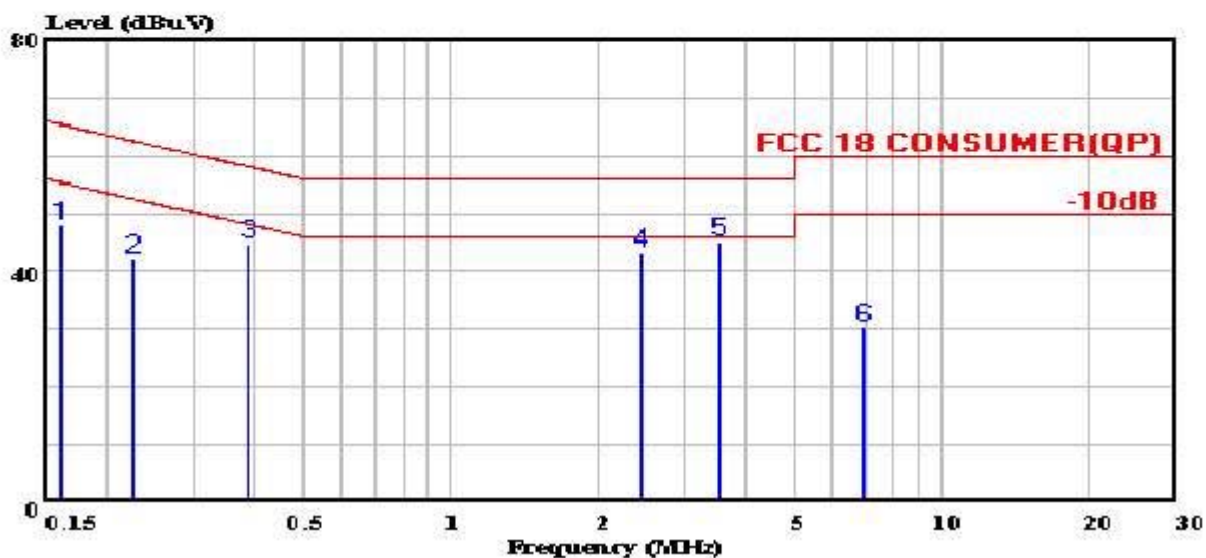
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.163	50.73	50.95	65.30	-14.35	0.22	0.03	0.19
2	0.228	44.04	44.25	62.52	-18.27	0.21	0.04	0.17
3	0.360	42.66	42.79	58.74	-15.95	0.13	0.04	0.09
4	2.144	43.40	43.54	56.00	-12.46	0.14	0.09	0.05
5	2.371	43.83	43.98	56.00	-12.02	0.15	0.09	0.06
6	3.276	44.74	44.91	56.00	-11.09	0.17	0.10	0.07



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Data#: 932 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-10 Time: 06:11:33



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-15W  
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 Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.161	47.94	48.18	65.43	-17.25	0.24	0.03	0.21
2	0.224	42.20	42.40	62.66	-20.26	0.20	0.04	0.16
3	0.385	44.49	44.67	58.17	-13.50	0.18	0.04	0.14
4	2.448	43.13	43.33	56.00	-12.67	0.20	0.10	0.10
5	3.547	44.81	45.03	56.00	-10.97	0.22	0.11	0.11
6	6.914	30.06	30.34	60.00	-29.66	0.28	0.16	0.12

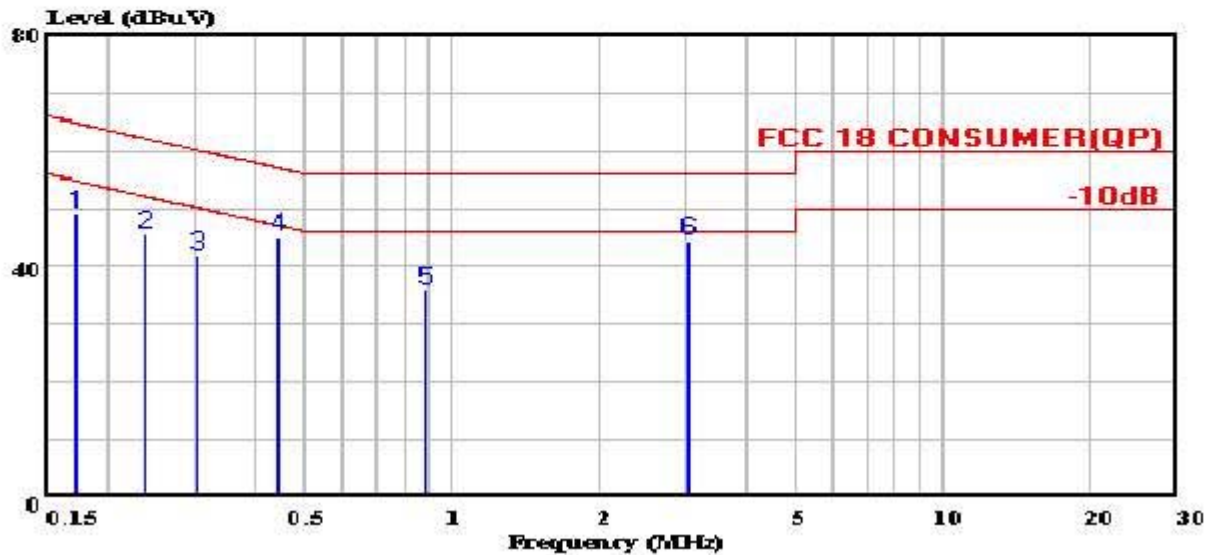
NOTE – The worst emission is detected at 3.547 MHz with corrected signal level of 45.03dB(μV) (limit is 56.00 dB(μV)), when the VB of the EUT is connected to LISN.



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Data#: 1097 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:41:37



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-18W  
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 Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.172	49.06	49.28	64.86	-15.58	0.22	0.03	0.19
2	0.238	45.22	45.42	62.17	-16.75	0.20	0.04	0.16
3	0.302	42.00	42.14	60.19	-18.05	0.14	0.04	0.10
4	0.444	45.09	45.21	56.99	-11.78	0.12	0.04	0.08
5	0.885	35.75	35.85	56.00	-20.15	0.10	0.05	0.05
6	3.041	44.45	44.62	56.00	-11.38	0.17	0.10	0.07

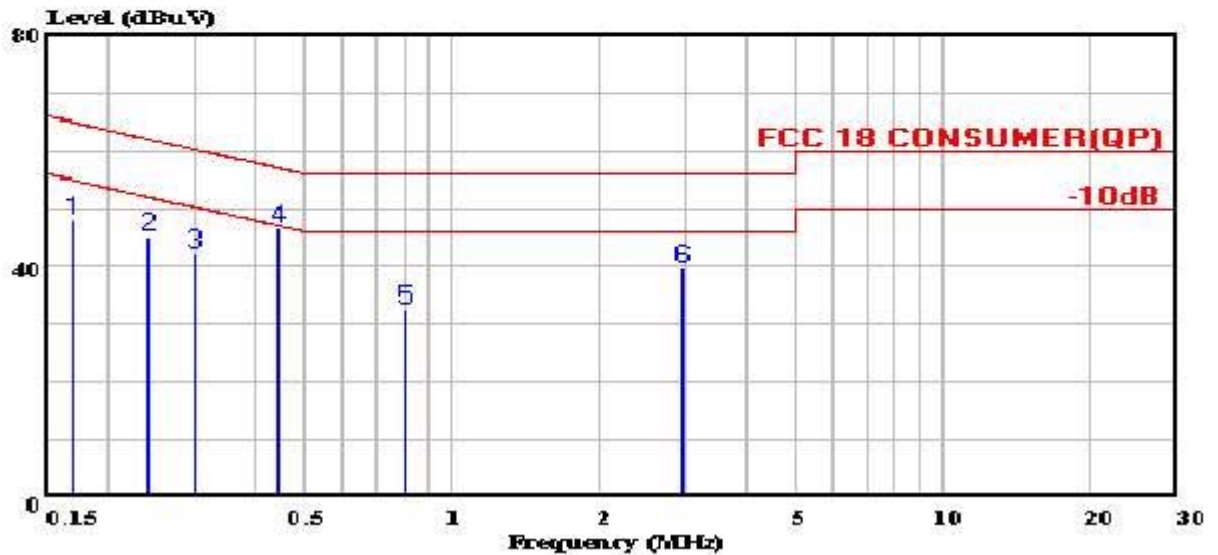




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Data#: 1099 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:44:50



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-18W  
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 Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.169	47.87	48.10	64.99	-16.89	0.23	0.03	0.20
2	0.240	45.15	45.35	62.08	-16.73	0.20	0.04	0.16
3	0.299	42.22	42.42	60.28	-17.86	0.20	0.04	0.16
4	0.442	46.59	46.75	57.03	-10.28	0.16	0.04	0.12
5	0.800	32.36	32.52	56.00	-23.48	0.16	0.05	0.11
6	2.946	39.51	39.71	56.00	-16.29	0.20	0.10	0.10

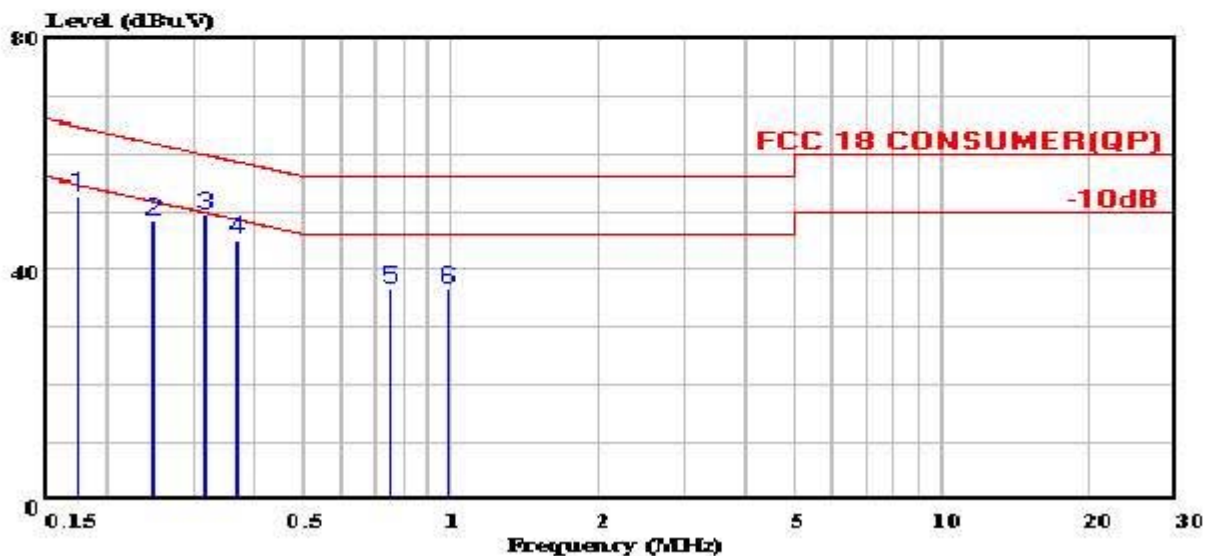
NOTE – The worst emission is detected at 0.442 MHz with corrected signal level of 46.75dB(μV) (limit is 57.03 dB(μV)), when the VB of the EUT is connected to LISN.



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Data#: 1105 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:59:57



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-ISD-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 Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.174	52.63	52.85	64.77	-11.92	0.22	0.04	0.18
2	0.248	48.11	48.31	61.82	-13.51	0.20	0.04	0.16
3	0.317	49.45	49.59	59.79	-10.20	0.14	0.04	0.10
4	0.367	45.10	45.23	58.56	-13.33	0.13	0.04	0.09
5	0.751	36.61	36.72	56.00	-19.28	0.11	0.05	0.06
6	0.984	36.52	36.62	56.00	-19.38	0.10	0.05	0.05

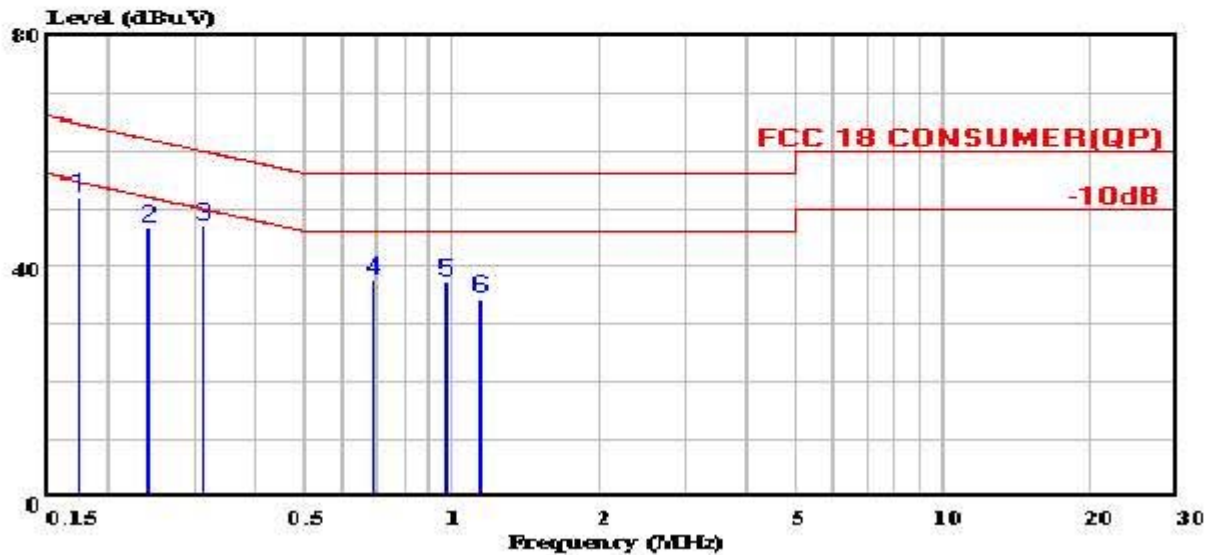
NOTE – The worst emission is detected at 0.317 MHz with corrected signal level of 49.59dB(μV) (limit is 59.79 dB(μV)), when the VA of the EUT is connected to LISN.



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Data#: 1107 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 10:03:33



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-20W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

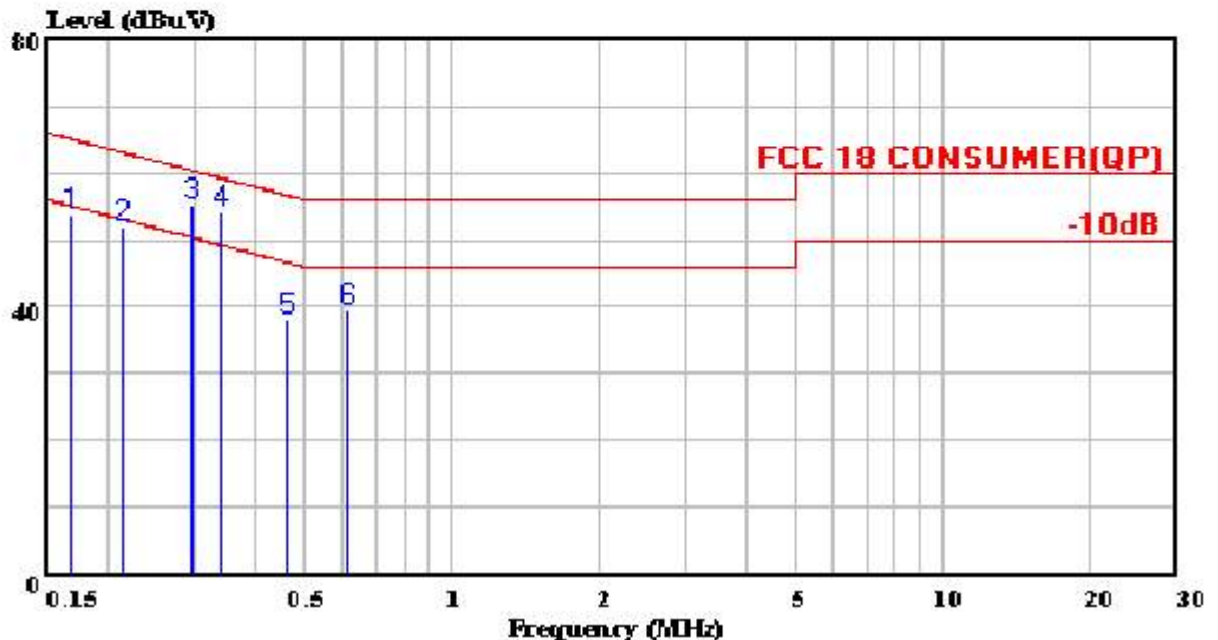
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.175	51.89	52.12	64.72	-12.60	0.23	0.04	0.19
2	0.242	46.49	46.69	62.04	-15.35	0.20	0.04	0.16
3	0.313	46.82	47.02	59.88	-12.86	0.20	0.04	0.16
4	0.697	37.66	37.82	56.00	-18.18	0.16	0.05	0.11
5	0.974	37.06	37.22	56.00	-18.78	0.16	0.05	0.11
6	1.141	34.32	34.49	56.00	-21.51	0.17	0.06	0.11



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Data#: 1148 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 09:55:00



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-ISD-23W  
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 Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor	Remark
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB	
1	0.168	53.63	53.85	65.06	-11.21	0.22	0.03	0.19	
2	0.213	51.84	52.05	63.09	-11.04	0.21	0.04	0.17	
3 !	0.296	55.11	55.26	60.35	-5.09	0.15	0.04	0.11	
4 !	0.337	54.00	54.14	59.28	-5.14	0.14	0.04	0.10	
5	0.461	37.92	38.04	56.67	-18.63	0.12	0.04	0.08	
6	0.610	39.23	39.34	56.00	-16.66	0.11	0.04	0.07	

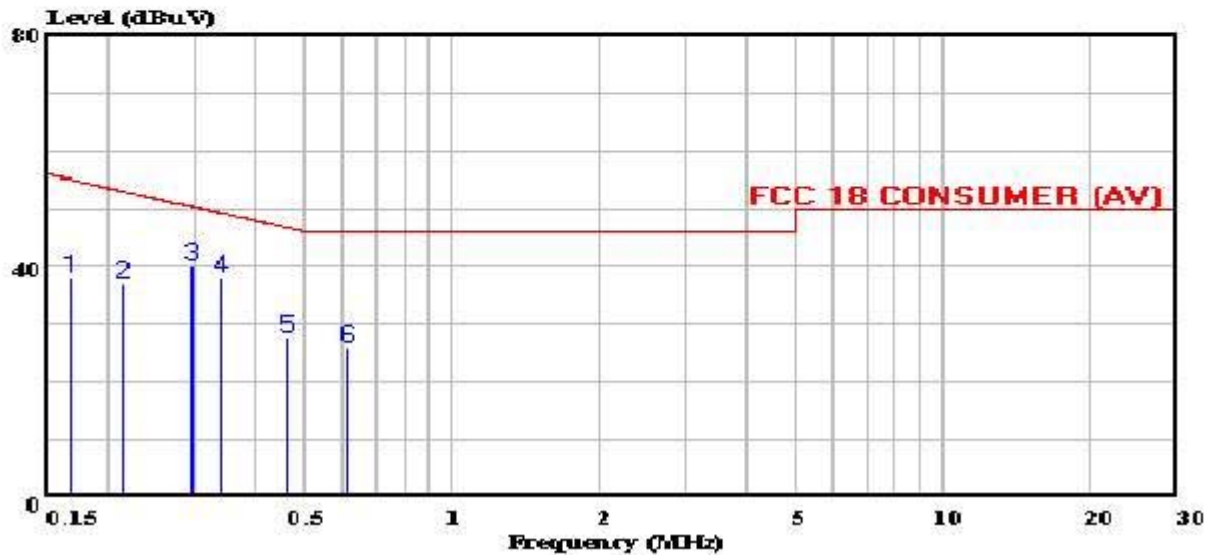




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Data#: 1149 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 09:55:00



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-ISD-23W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

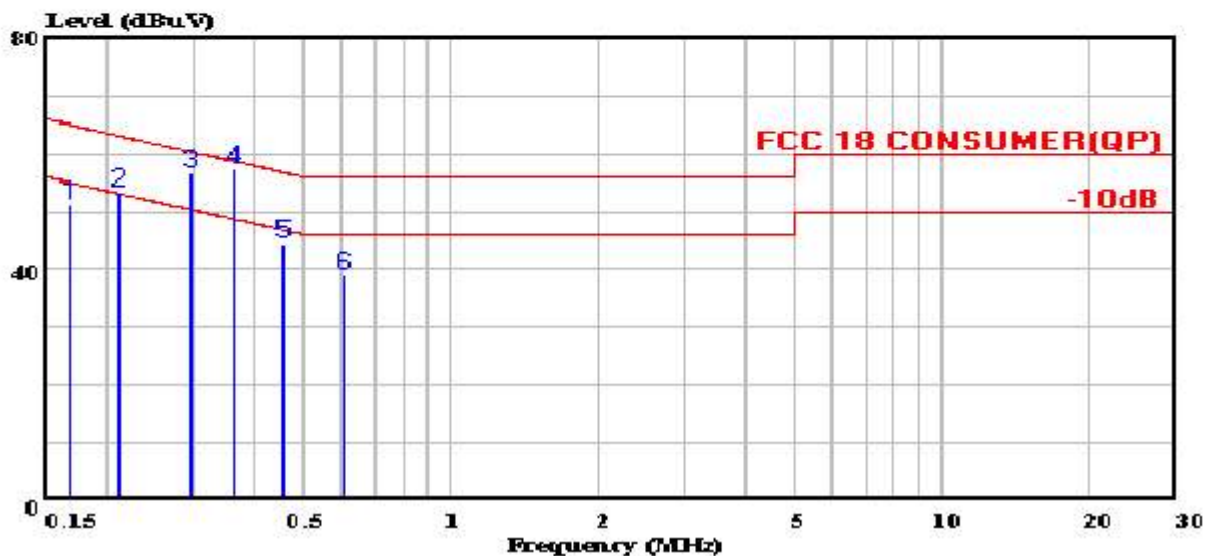
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor	Remark
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB	
1	0.168	37.74	37.96	55.06	-17.10	0.22	0.03	0.19	
2	0.213	36.65	36.86	53.09	-16.23	0.21	0.04	0.17	
3	0.296	40.04	40.19	50.35	-10.16	0.15	0.04	0.11	
4	0.337	38.06	38.20	49.28	-11.08	0.14	0.04	0.10	
5	0.461	27.55	27.67	46.67	-19.00	0.12	0.04	0.08	
6	0.610	25.66	25.77	46.00	-20.23	0.11	0.04	0.07	



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Data#: 1145 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 09:47:38



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-23W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line :  
Test Mode :  
Test Engineer: *Solon Gong*

Page: 1

	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.167	51.17	51.40	65.11	-13.71	0.23	0.03	0.20
2 !	0.211	53.09	53.29	63.17	-9.88	0.20	0.04	0.16
3 !	0.296	56.60	56.80	60.35	-3.55	0.20	0.04	0.16
4 !	0.363	57.13	57.31	58.66	-1.35	0.18	0.04	0.14
5	0.454	44.50	44.66	56.80	-12.14	0.16	0.04	0.12
6	0.604	38.88	39.03	56.00	-16.97	0.15	0.04	0.11

NOTE 1 – The worst emission is detected at 0.363 MHz with corrected signal level of 57.31 dB(μV) (limit is 58.66 dB(μV)), when the VA of the EUT is connected to LISN.

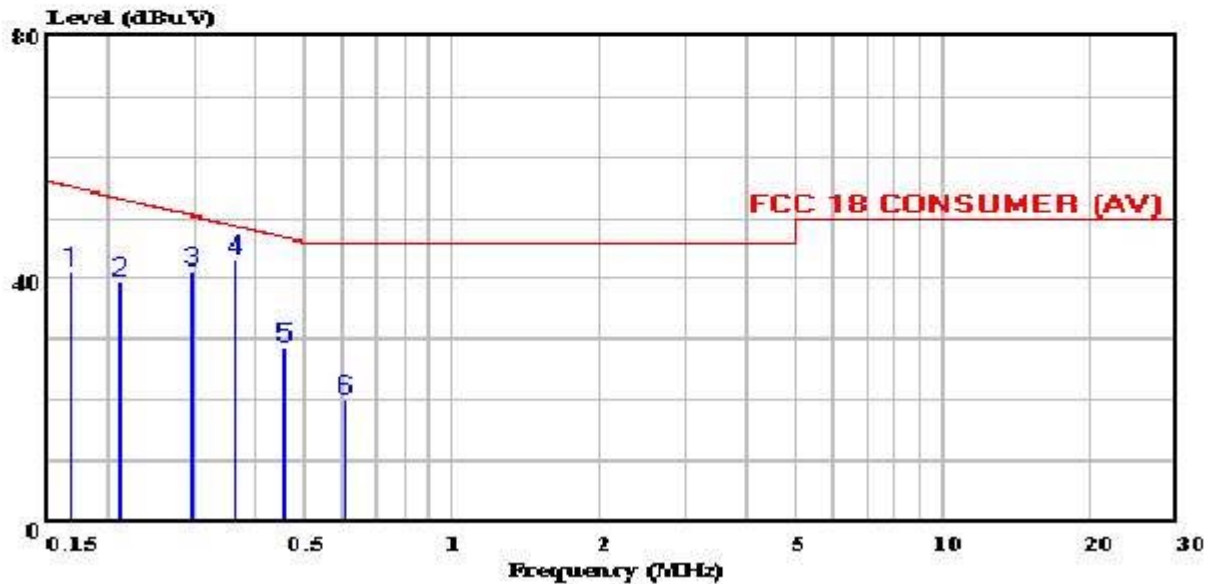
NOTE 2 –At the frequency 0.363MHz[VB (QP)], the measured result is below the specification limit by a margin less than the measurement uncertainty, it is not therefore possible to determine compliance at a level of confidence of 95%. However, the measured result indicates a higher probability that the product tested complies with the specification limit.



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Data#: 1146 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 09:47:38



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-23W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23°C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer: *Solon Gong*

Page: 1

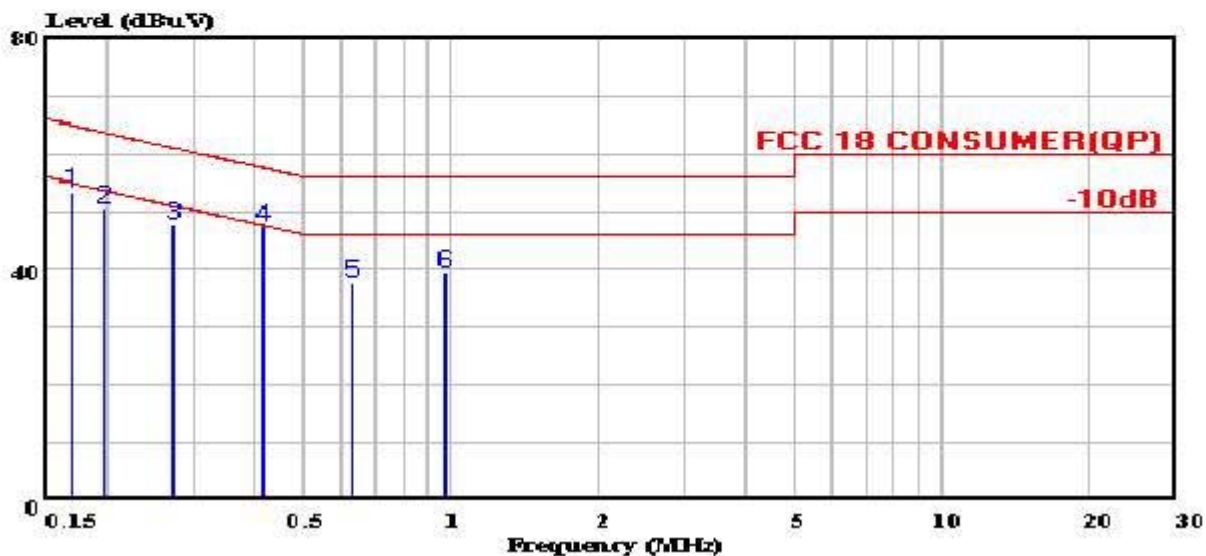
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor	Remark
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB	
1	0.167	41.13	41.36	55.11	-13.75	0.23	0.03	0.20	
2	0.211	39.44	39.64	53.17	-13.53	0.20	0.04	0.16	
3	0.296	41.04	41.24	50.35	-9.11	0.20	0.04	0.16	
4	0.363	42.78	42.96	48.66	-5.70	0.18	0.04	0.14	
5	0.454	28.37	28.53	46.80	-18.27	0.16	0.04	0.12	
6	0.604	19.88	20.03	46.00	-25.97	0.15	0.04	0.11	



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Data#: 1095 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:38:51



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-26W  
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 Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.169	53.23	53.45	65.03	-11.58	0.22	0.03	0.19
2	0.195	50.43	50.65	63.80	-13.15	0.22	0.04	0.18
3	0.273	47.51	47.68	61.03	-13.35	0.17	0.04	0.13
4	0.414	47.32	47.45	57.56	-10.11	0.13	0.04	0.09
5	0.627	37.73	37.84	56.00	-18.16	0.11	0.04	0.07
6	0.974	39.40	39.50	56.00	-16.50	0.10	0.05	0.05

NOTE – The worst emission is detected at 0.414 MHz with corrected signal level of 47.45dB(μV) (limit is 57.56 dB(μV)), when the VA of the EUT is connected to LISN.

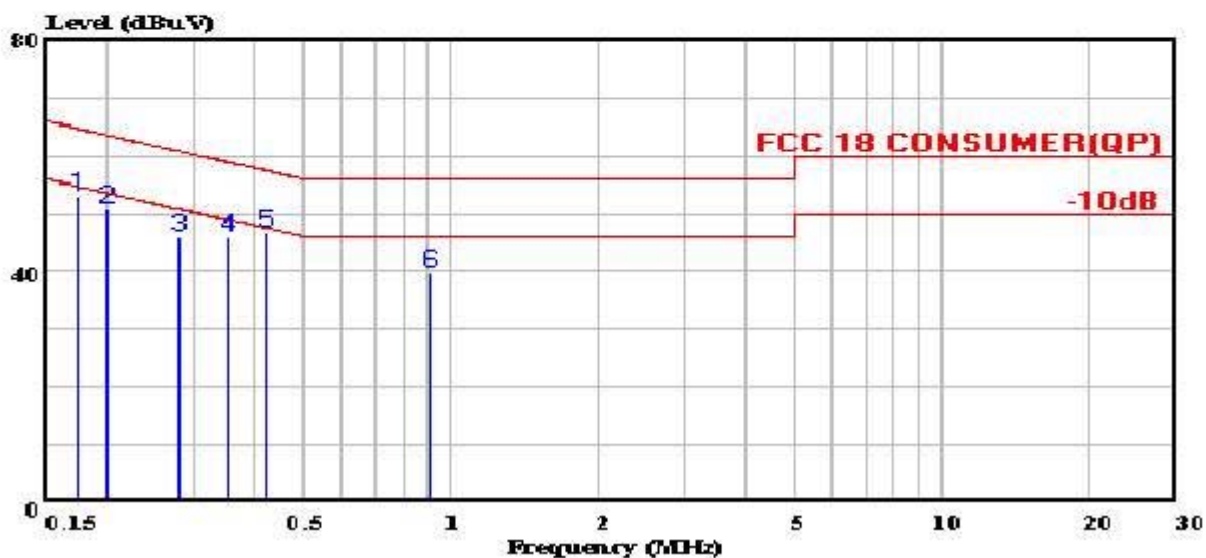




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Data#: 1093 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:36:37



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-26W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

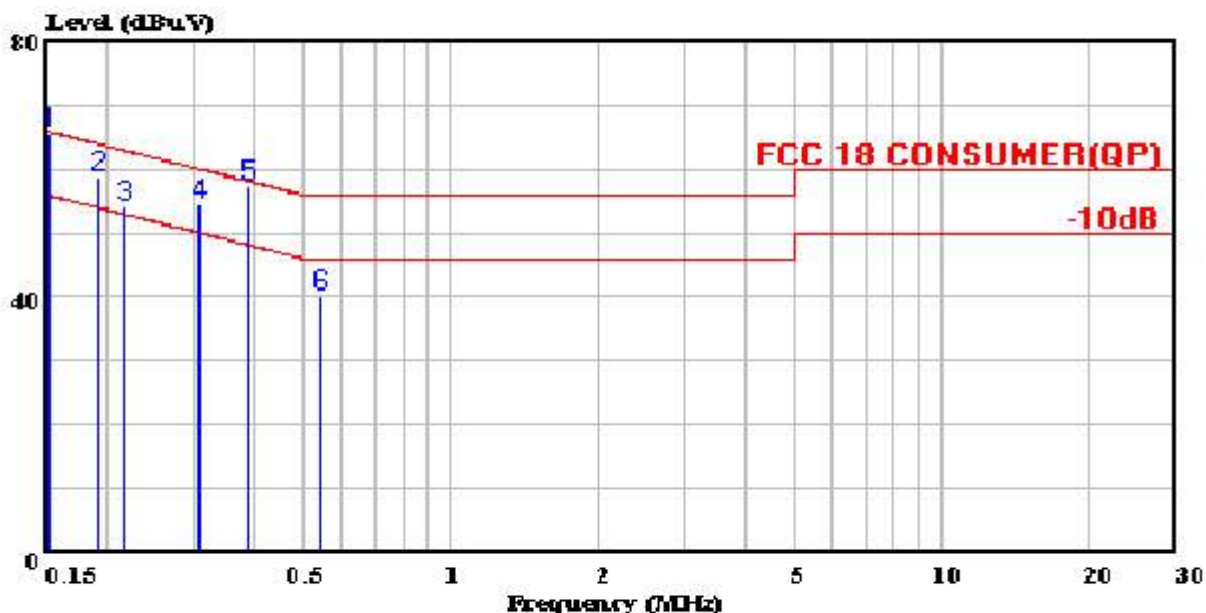
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.175	52.96	53.19	64.72	-11.53	0.23	0.04	0.19
2	0.200	50.71	50.91	63.62	-12.71	0.20	0.04	0.16
3	0.280	45.56	45.76	60.81	-15.05	0.20	0.04	0.16
4	0.350	45.89	46.07	58.96	-12.89	0.18	0.04	0.14
5	0.420	46.47	46.64	57.44	-10.80	0.17	0.04	0.13
6	0.914	39.54	39.70	56.00	-16.30	0.16	0.05	0.11



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Data#: 1143 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 09:40:46



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-30W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ^  
Test Engineer: *Solon Gong*

: 1

	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1 !	0.153	65.27	65.49	65.84	-0.35	0.22	0.03	0.19
2 !	0.191	58.63	58.85	63.99	-5.14	0.22	0.04	0.18
3 !	0.217	53.92	54.13	62.93	-8.80	0.21	0.04	0.17
4 !	0.307	54.46	54.60	60.05	-5.45	0.14	0.04	0.10
5 !	0.389	57.29	57.42	58.09	-0.67	0.13	0.04	0.09
6	0.541	39.99	40.11	56.00	-15.89	0.12	0.04	0.08

NOTE 1 – The worst emission is detected at 0.153 MHz with corrected signal level of 65.49 dB(μV) (limit is 65.84 dB(μV)), when the VA of the EUT is connected to LISN.

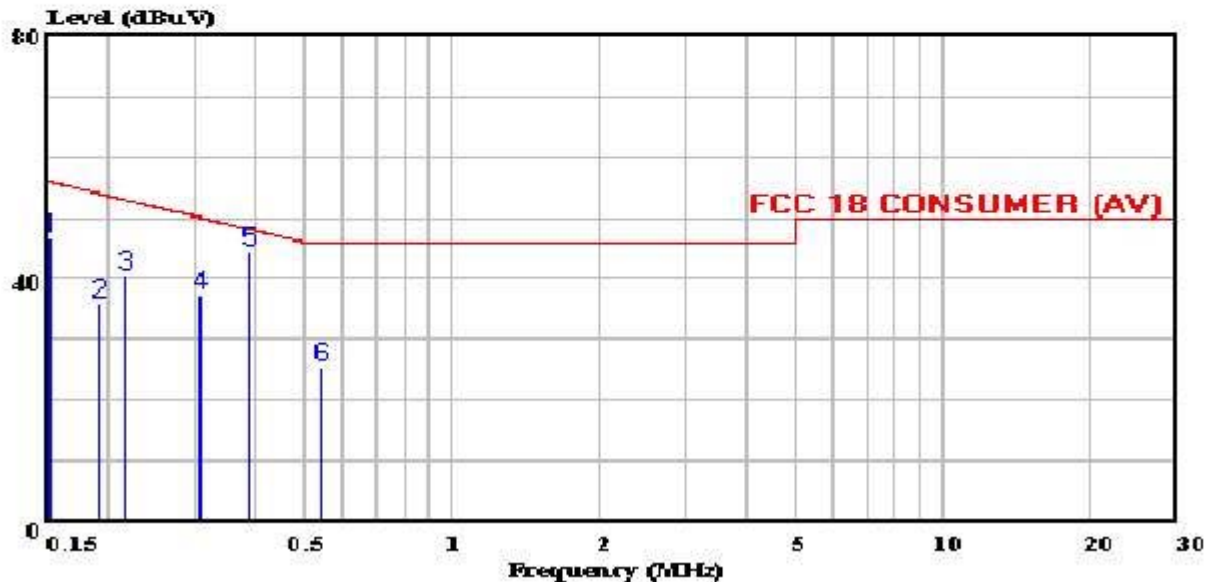
NOTE 2 –At the frequency 0.153MHz and 0.389MHz[VA (QP)], 0.155MHz and 0.389MHz[VB (QP)], the measured result is below the specification limit by a margin less than the measurement uncertainty, it is not therefore possible to determine compliance at a level of confidence of 95%. However, the measured result indicates a higher probability that the product tested complies with the specification limit.



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Data#: 1142 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 09:40:46



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-ISD-30W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

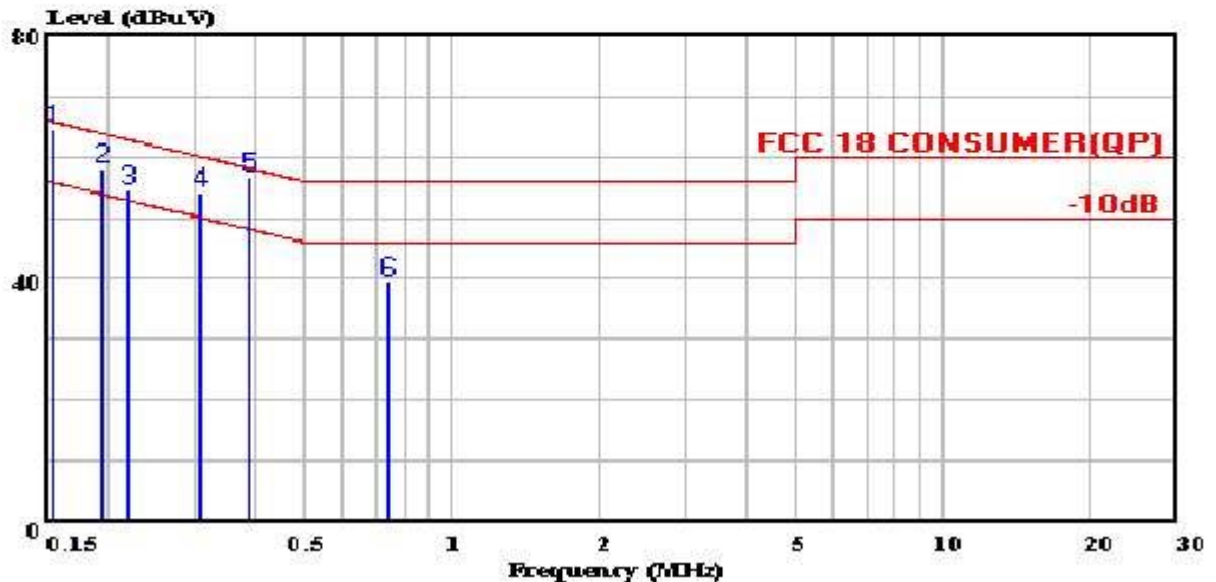
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor	Remark
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB	
1	0.153	46.26	46.48	55.84	-9.36	0.22	0.03	0.19	
2	0.191	35.50	35.72	53.99	-18.27	0.22	0.04	0.18	
3	0.217	40.46	40.67	52.93	-12.26	0.21	0.04	0.17	
4	0.307	37.29	37.43	50.05	-12.62	0.14	0.04	0.10	
5	0.389	44.52	44.65	48.09	-3.44	0.13	0.04	0.09	
6	0.541	25.34	25.46	46.00	-20.54	0.12	0.04	0.08	



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Data#: 1139 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 09:36:14



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-30W  
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 Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor	Remark
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB	
1	0.155	64.16	64.41	65.73	-1.32	0.25	0.03	0.22	
2	0.194	57.79	58.00	63.86	-5.86	0.21	0.04	0.17	
3	0.220	54.20	54.40	62.82	-8.42	0.20	0.04	0.16	
4	0.307	54.06	54.26	60.05	-5.79	0.20	0.04	0.16	
5	0.389	56.37	56.54	58.09	-1.55	0.17	0.04	0.13	
6	0.740	39.33	39.49	56.00	-16.51	0.16	0.05	0.11	

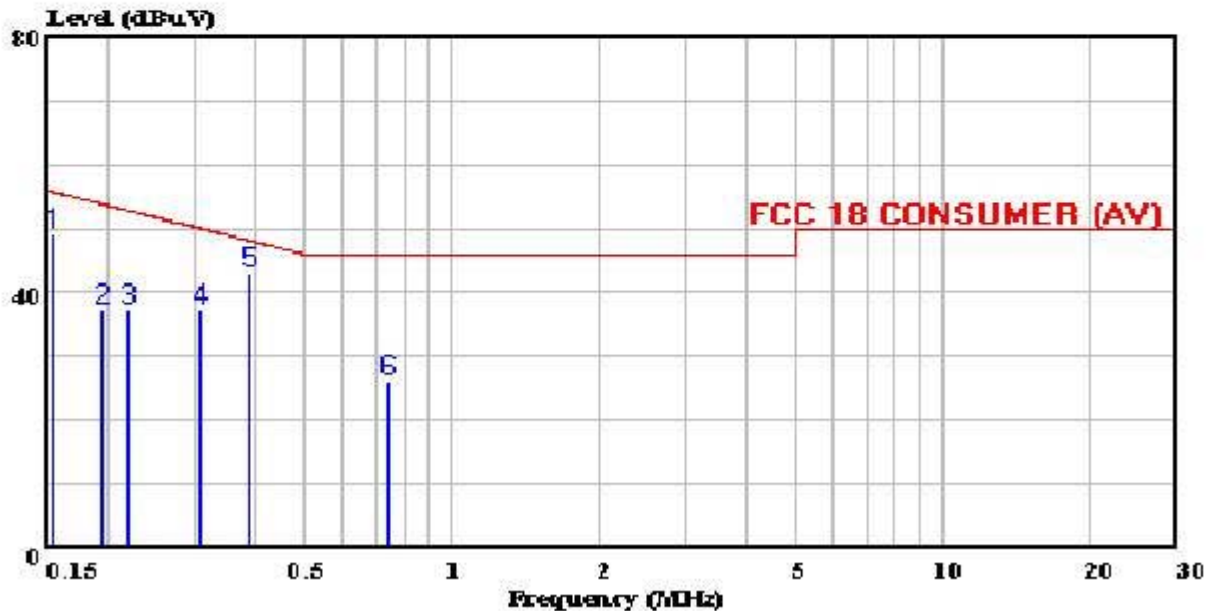




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Data#: 1140 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 09:36:14



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-1SD-30W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23°C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer: *Solon Gong*

Page: 1

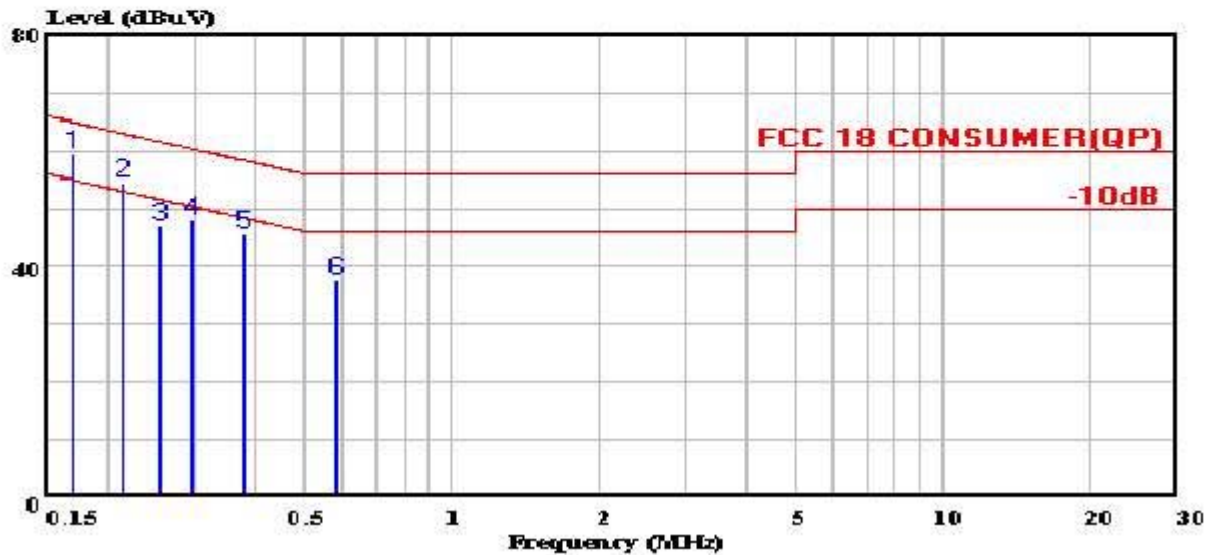
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor	Remark
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB	
1	0.155	48.92	49.17	55.73	-6.56	0.25	0.03	0.22	
2	0.194	37.23	37.44	53.86	-16.42	0.21	0.04	0.17	
3	0.220	37.12	37.32	52.82	-15.50	0.20	0.04	0.16	
4	0.307	36.94	37.14	50.05	-12.91	0.20	0.04	0.16	
5	0.389	42.84	43.01	48.09	-5.08	0.17	0.04	0.13	
6	0.740	25.90	26.06	46.00	-19.94	0.16	0.05	0.11	



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Data#: 115 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-23 Time: 19:23:39



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000367  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-R20D-9W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : on  
Test Engineer:

*Solon Gong*

Page: 1

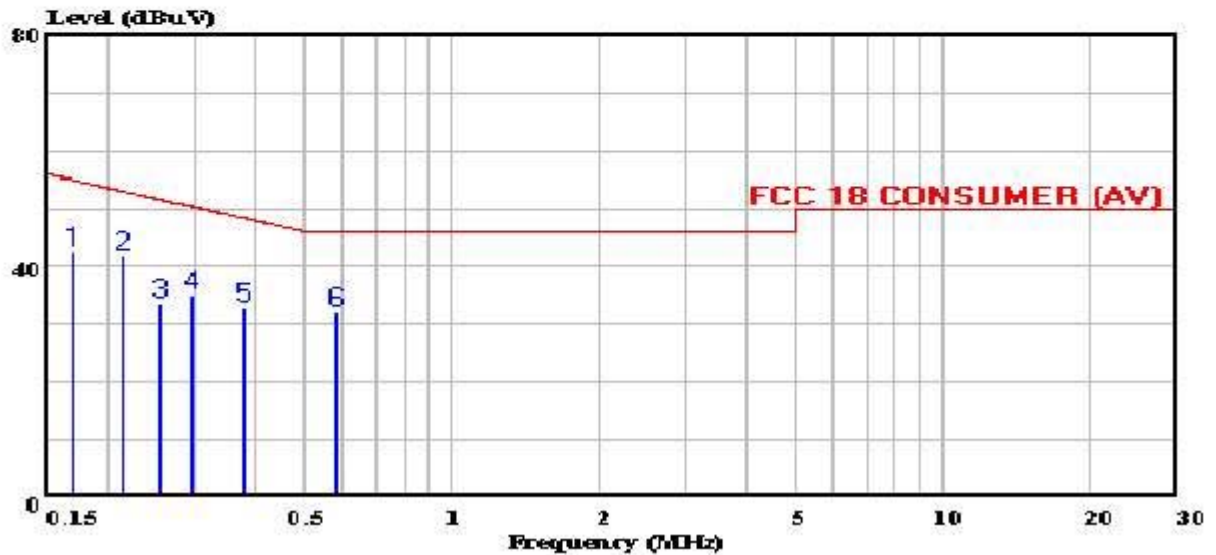
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1 !	0.169	59.50	59.72	65.01	-5.29	0.22	0.03	0.19
2 !	0.213	54.30	54.51	63.09	-8.58	0.21	0.04	0.17
3	0.253	46.90	47.09	61.66	-14.57	0.19	0.04	0.15
4	0.294	48.00	48.15	60.41	-12.26	0.15	0.04	0.11
5	0.377	45.30	45.43	58.35	-12.92	0.13	0.04	0.09
6	0.582	37.71	37.82	56.00	-18.18	0.11	0.04	0.07



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Data#: 116 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-23 Time: 19:24:12



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KMW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-R20D-9W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23°C 56%RH  
Test line : VA  
Test Mode : on  
Test Engineer:

*Solon Gong*

Page: 1

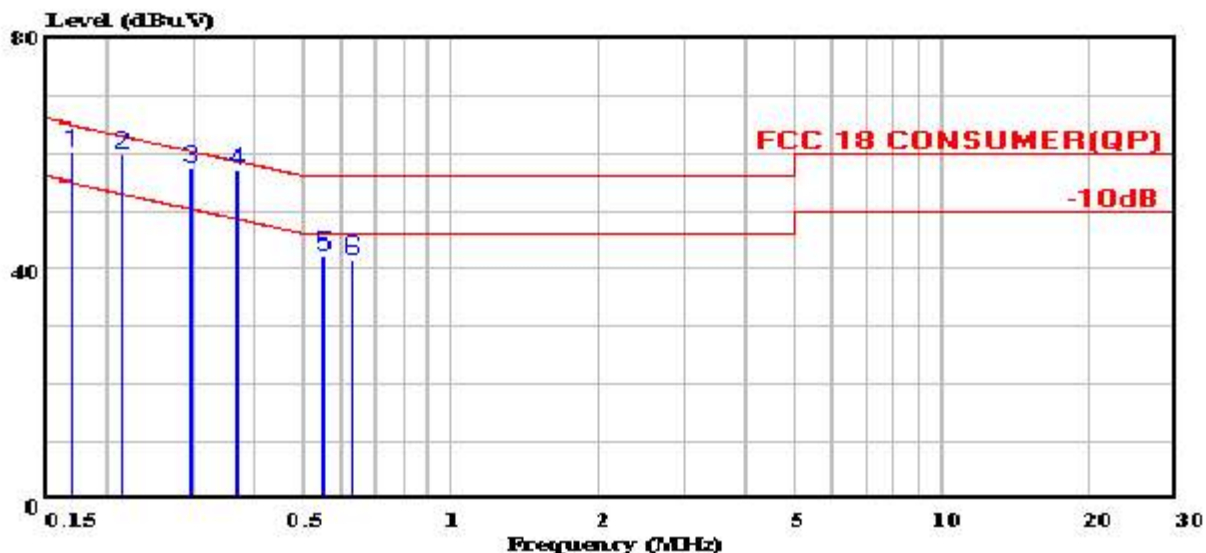
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.169	42.60	42.82	55.01	-12.19	0.22	0.03	0.19
2	0.213	41.70	41.91	53.09	-11.18	0.21	0.04	0.17
3	0.253	33.60	33.79	51.66	-17.87	0.19	0.04	0.15
4	0.294	34.90	35.05	50.41	-15.36	0.15	0.04	0.11
5	0.377	32.90	33.03	48.35	-15.32	0.13	0.04	0.09
6	0.582	32.31	32.42	46.00	-13.58	0.11	0.04	0.07



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Data#: 112 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-23 Time: 19:18:17



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N :  
S/N : 120V/60Hz  
Power Supply : 120V/50Hz  
Ambient : 23°C 56%RH  
Test line : VB  
Test Mode :  
Test Engineer: *Solon Gong*

Page: 1

	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1 !	0.170	60.10	60.33	64.96	-4.63	0.23	0.03	0.20
2 !	0.213	59.60	59.80	63.09	-3.29	0.20	0.04	0.16
3 !	0.296	57.10	57.30	60.35	-3.05	0.20	0.04	0.16
4 !	0.369	56.90	57.08	58.52	-1.44	0.18	0.04	0.14
5	0.552	42.10	42.25	56.00	-13.75	0.15	0.04	0.11
6	0.634	41.49	41.65	56.00	-14.35	0.16	0.05	0.11

NOTE 1 – The worst emission is detected at 0.369 MHz with corrected signal level of 57.08 dB(μV) (limit is 58.52 dB(μV)), when the VB of the EUT is connected to LISN.

NOTE 2 –At the frequency 0.369MHz[VB (QP)], the measured result is below the specification limit by a margin less than the measurement uncertainty, it is not therefore possible to determine compliance at a level of confidence of 95%. However, the measured result indicates a higher probability that the product tested complies with the specification limit.

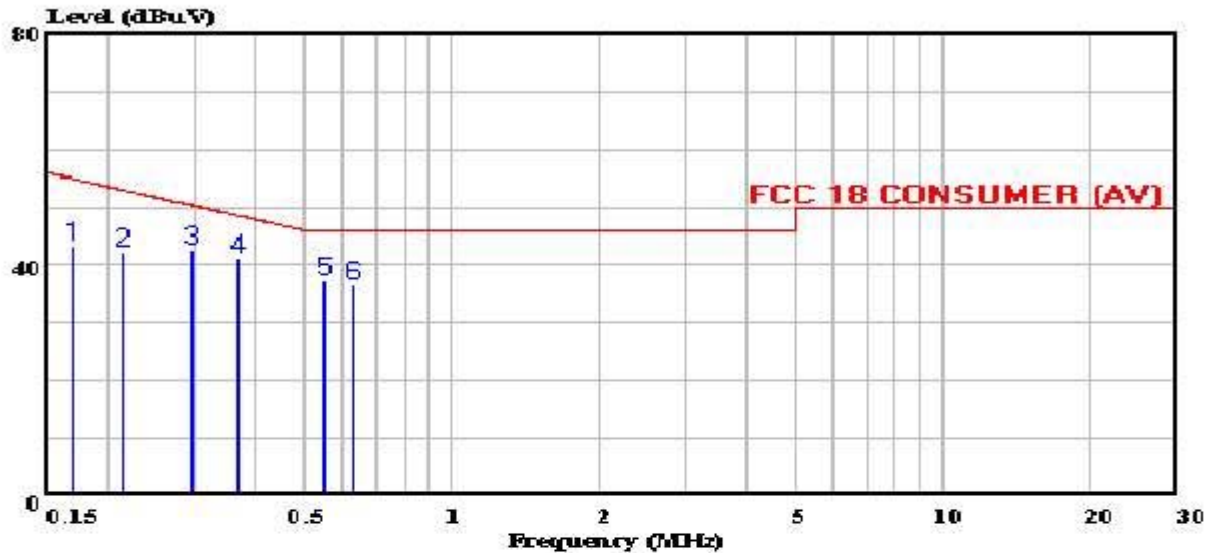




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Data#: 113 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-23 Time: 19:18:50



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-R20D-9W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : on  
Test Engineer:

*Salon Gong*

Page: 1

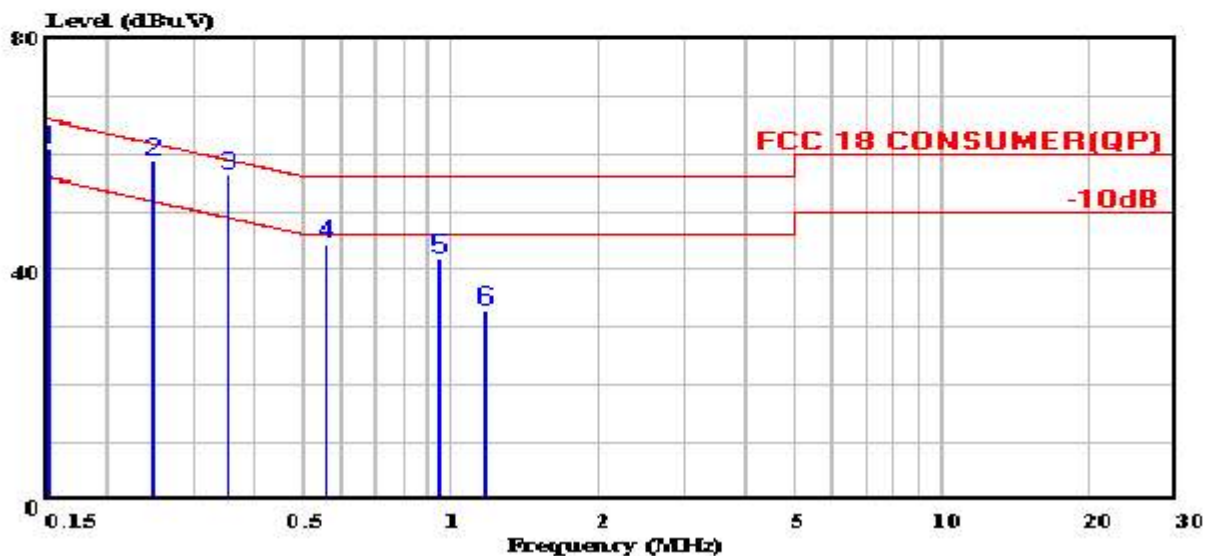
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.170	43.00	43.23	54.96	-11.73	0.23	0.03	0.20
2	0.213	42.00	42.20	53.09	-10.89	0.20	0.04	0.16
3	0.296	42.40	42.60	50.35	-7.75	0.20	0.04	0.16
4	0.369	41.00	41.18	48.52	-7.34	0.18	0.04	0.14
5	0.552	37.20	37.35	46.00	-8.65	0.15	0.04	0.11
6	0.634	36.60	36.76	46.00	-9.24	0.16	0.05	0.11



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Data#: 1120 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 16:05:43



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : ~~~~~g Lamp  
M/N : FE-R20D-11W  
S/N : E03032316  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : \*\*\*  
Test Mode : *Solon Gong*  
Test Engineer:

Page: 1

	Freq	Read Level	Level	Limit Line	Over Limit	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB
1 !	0.153	60.90	61.12	65.84	-4.72	0.22	0.19
2 !	0.249	58.72	58.92	61.79	-2.87	0.20	0.16
3 !	0.352	56.28	56.41	58.92	-2.51	0.13	0.09
4	0.558	44.27	44.38	56.00	-11.62	0.11	0.07
5	0.949	41.86	41.96	56.00	-14.04	0.10	0.05
6	1.170	32.79	32.90	56.00	-23.10	0.11	0.05

NOTE 1 – The worst emission is detected at 0.352 MHz with corrected signal level of 56.41 dB(μV) (limit is 58.92 dB(μV)), when the VA of the EUT is connected to LISN.

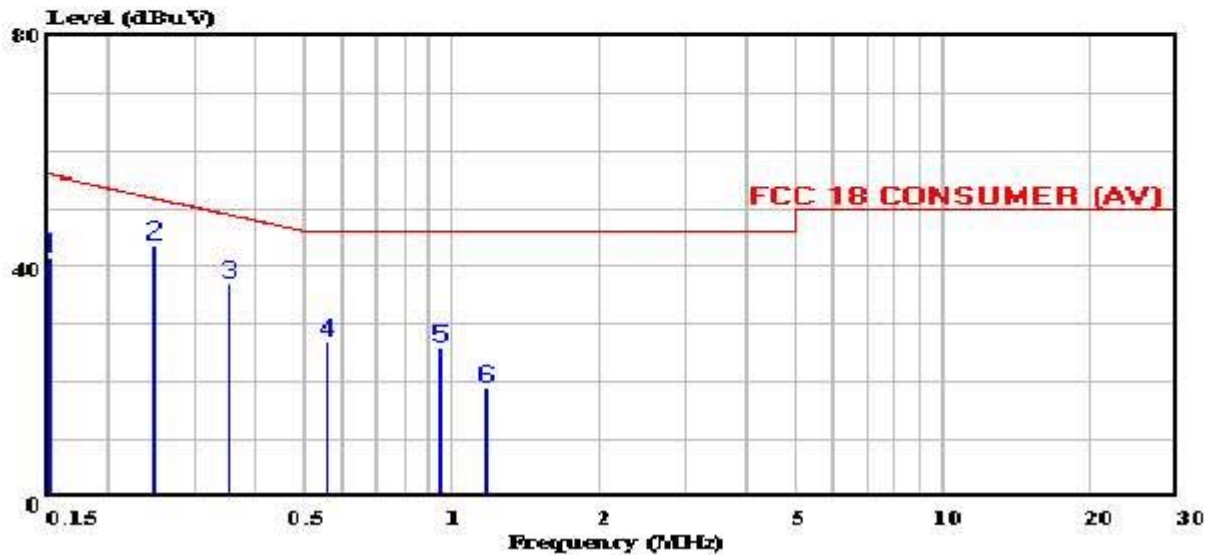
NOTE 2 –At the frequency 0.352MHz[VA (QP)], the measured result is below the specification limit by a margin less than the measurement uncertainty, it is not therefore possible to determine compliance at a level of confidence of 95%. However, the measured result indicates a higher probability that the product tested complies with the specification limit.



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Data#: 1121 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 16:05:43



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-R20D-11W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer: *Solon Gong*

Page: 1

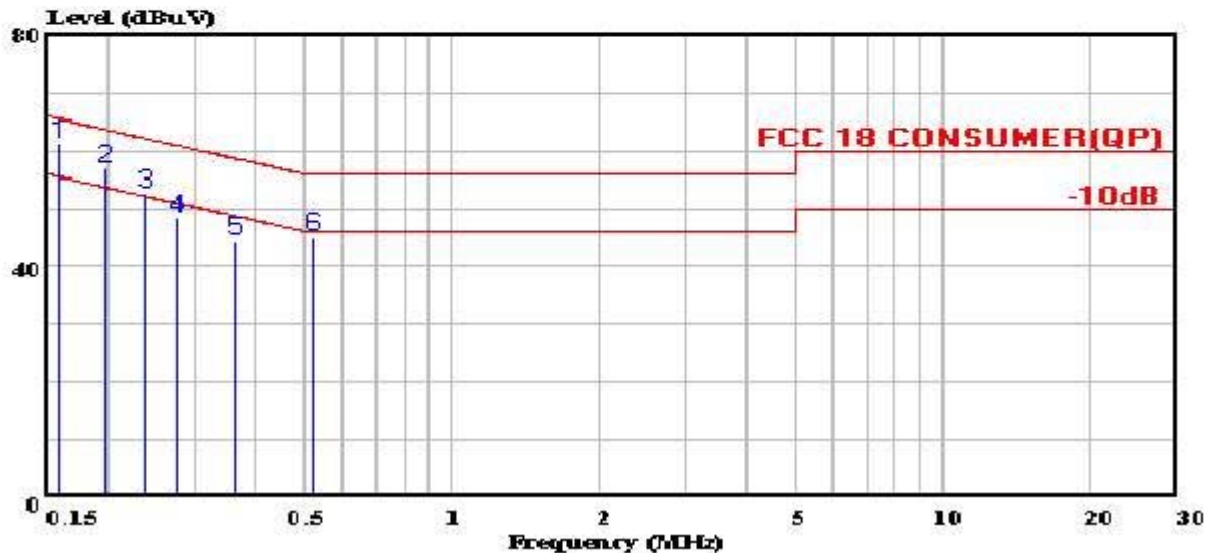
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.153	41.42	41.64	55.84	-14.20	0.22	0.03	0.19
2	0.249	43.68	43.88	51.79	-7.91	0.20	0.04	0.16
3	0.352	36.65	36.78	48.92	-12.14	0.13	0.04	0.09
4	0.558	26.96	27.07	46.00	-18.93	0.11	0.04	0.07
5	0.949	25.70	25.80	46.00	-20.20	0.10	0.05	0.05
6	1.170	19.08	19.19	46.00	-26.81	0.11	0.06	0.05



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Data#: 1123 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 16:10:21



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-R20D-11W  
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 Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1 !	0.158	61.06	61.31	65.57	-4.26	0.25	0.03	0.22
2 !	0.198	56.93	57.13	63.69	-6.56	0.20	0.04	0.16
3 !	0.238	52.67	52.87	62.17	-9.30	0.20	0.04	0.16
4	0.277	48.35	48.55	60.91	-12.36	0.20	0.04	0.16
5	0.363	44.14	44.32	58.66	-14.34	0.18	0.04	0.14
6	0.520	44.96	45.11	56.00	-10.89	0.15	0.04	0.11

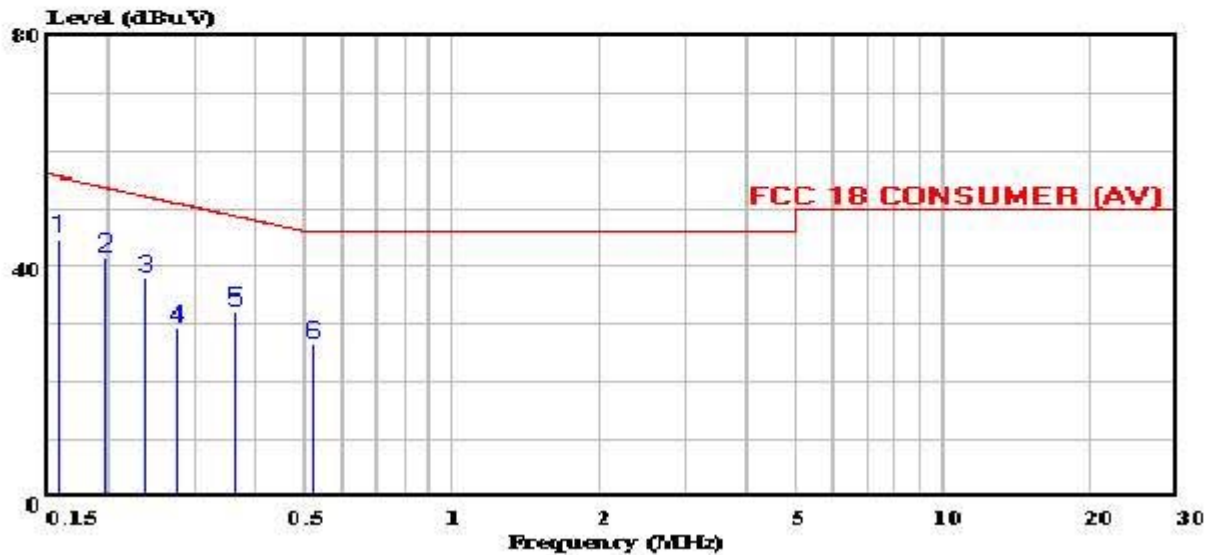




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Data#: 1124 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 16:10:21



Site : Conducted emission  
Condition : FCC 18 CONSUMER (AV) KMW-407 VB  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-R20D-11W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

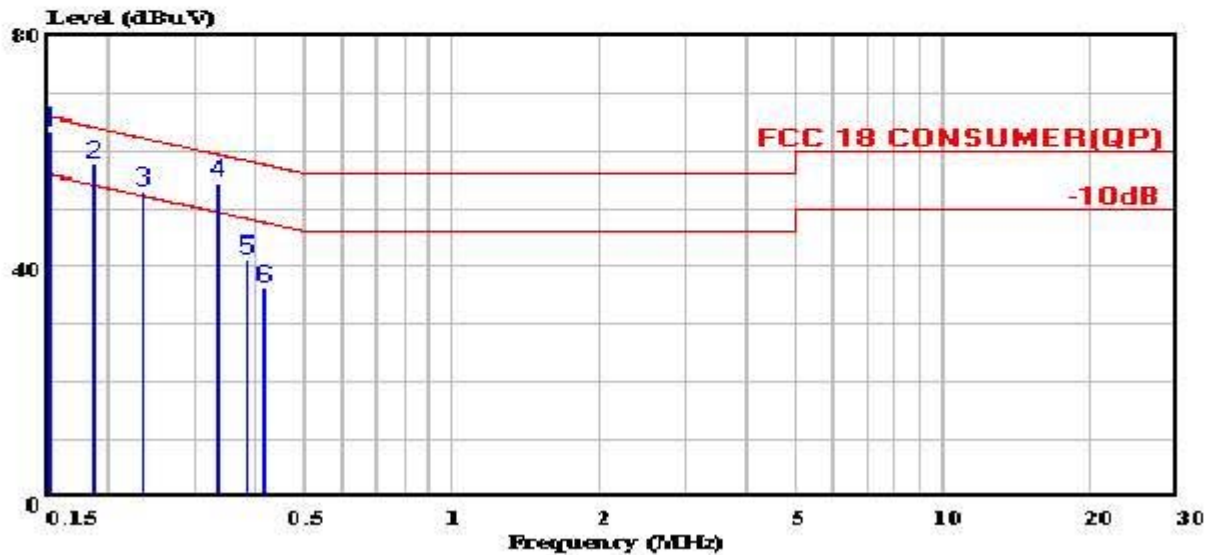
	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1	0.158	44.66	44.91	55.57	-10.66	0.25	0.03	0.22
2	0.198	41.47	41.67	53.69	-12.02	0.20	0.04	0.16
3	0.238	37.70	37.90	52.17	-14.27	0.20	0.04	0.16
4	0.277	29.15	29.35	50.91	-21.56	0.20	0.04	0.16
5	0.363	32.23	32.41	48.66	-16.25	0.18	0.04	0.14
6	0.520	26.23	26.38	46.00	-19.62	0.15	0.04	0.11



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Data#: 57 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-23 Time: 17:35:20



Site : Conducted emission  
Condition : FCC 18 CONSUMER(QP) KNW-407 VA  
Project No. : AOE-000368  
Applicant : XIAMEN LONGSTAR LIGHTING CO.,LTD  
EUT : Energy Saving Lamp  
M/N : FE-R25D-13W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : on  
Test Engineer:

*Salon Gong*

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	Freq	Read Level	Level	Limit Line	Over Limit	Factor	Cable Loss	Probe Factor
	MHz	dBuV	dBuV	dBuV	dB	dB	dB	dB
1 !	0.152	63.20	63.42	65.89	-2.47	0.22	0.03	0.19
2 !	0.186	57.70	57.92	64.21	-6.29	0.22	0.04	0.18
3 !	0.235	52.90	53.11	62.27	-9.16	0.21	0.04	0.17
4 !	0.332	54.40	54.54	59.40	-4.86	0.14	0.04	0.10
5	0.381	41.20	41.33	58.26	-16.93	0.13	0.04	0.09
6	0.415	36.00	36.13	57.55	-21.42	0.13	0.04	0.09