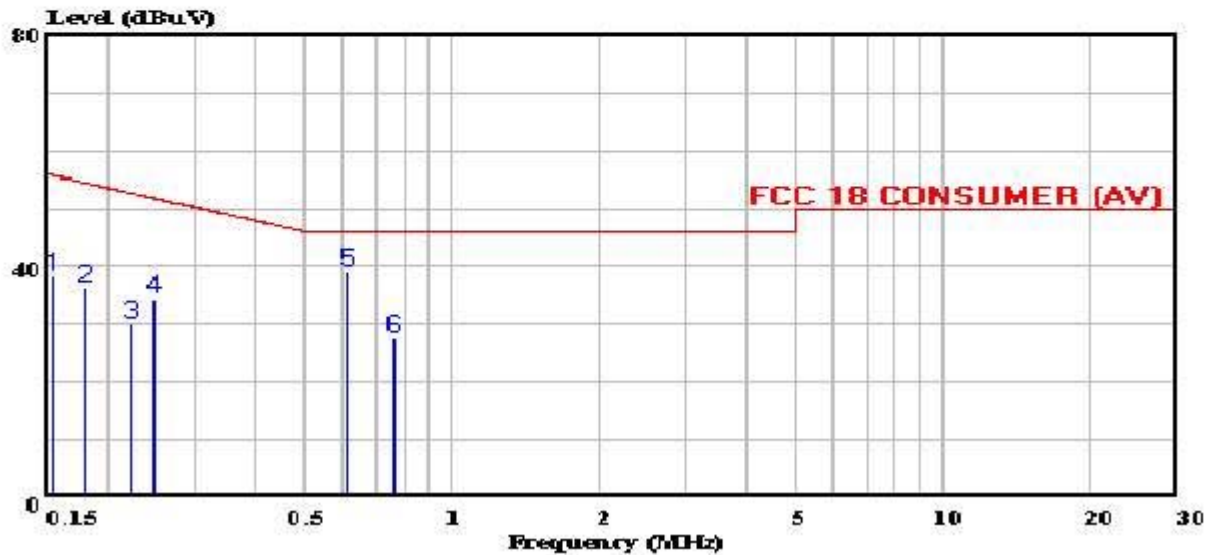




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Data#: 1042 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-20 Time: 17:16:09



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-G30DB-23W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

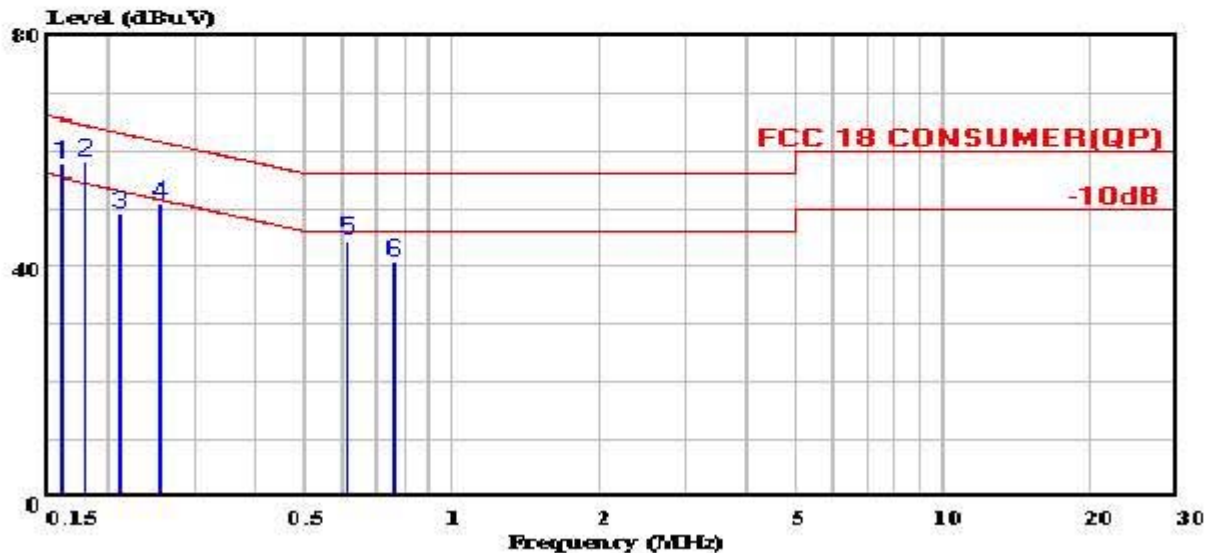
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.154 | 38.10      | 38.32 | 55.77      | -17.45     | 0.22   | 0.03       | 0.19         |
| 2 | 0.179 | 36.11      | 36.33 | 54.53      | -18.20     | 0.22   | 0.04       | 0.18         |
| 3 | 0.223 | 29.99      | 30.20 | 52.72      | -22.52     | 0.21   | 0.04       | 0.17         |
| 4 | 0.248 | 34.08      | 34.28 | 51.82      | -17.54     | 0.20   | 0.04       | 0.16         |
| 5 | 0.611 | 38.84      | 38.95 | 46.00      | -7.05      | 0.11   | 0.04       | 0.07         |
| 6 | 0.767 | 27.52      | 27.63 | 46.00      | -18.37     | 0.11   | 0.05       | 0.06         |



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Data#: 1038 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-20 Time: 17:11:29



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-G30DB-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 |
|-----|-------|------------|-------|------------|------------|--------|------------|--------------|
|     | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 ! | 0.161 | 57.61      | 57.85 | 65.39      | -7.54      | 0.24   | 0.03       | 0.21         |
| 2 ! | 0.180 | 57.81      | 58.03 | 64.48      | -6.45      | 0.22   | 0.04       | 0.18         |
| 3   | 0.210 | 48.91      | 49.11 | 63.19      | -14.08     | 0.20   | 0.04       | 0.16         |
| 4   | 0.254 | 50.83      | 51.03 | 61.63      | -10.60     | 0.20   | 0.04       | 0.16         |
| 5   | 0.616 | 44.40      | 44.55 | 56.00      | -11.45     | 0.15   | 0.04       | 0.11         |
| 6   | 0.762 | 40.79      | 40.95 | 56.00      | -15.05     | 0.16   | 0.05       | 0.11         |

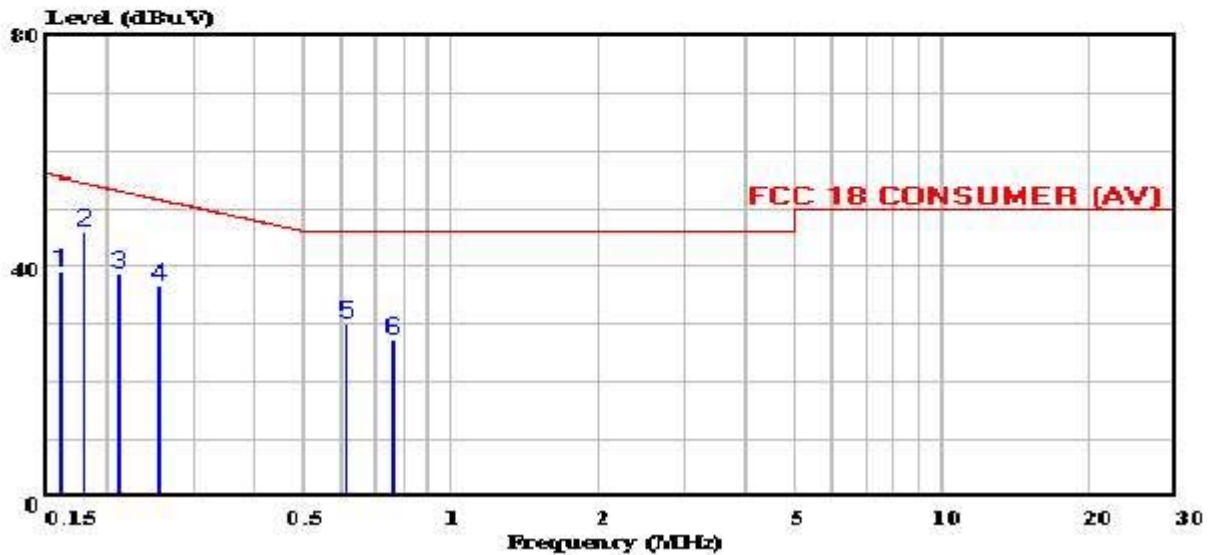
NOTE – The worst emission is detected at 0.180 MHz with corrected signal level of 58.03dB(μV) (limit is 64.48 dB(μV)), when the VB of the EUT is connected to LISN.



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Data#: 1039 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-20 Time: 17:11:29



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-G30DB-23W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer: *Solon Gong*

Page: 1

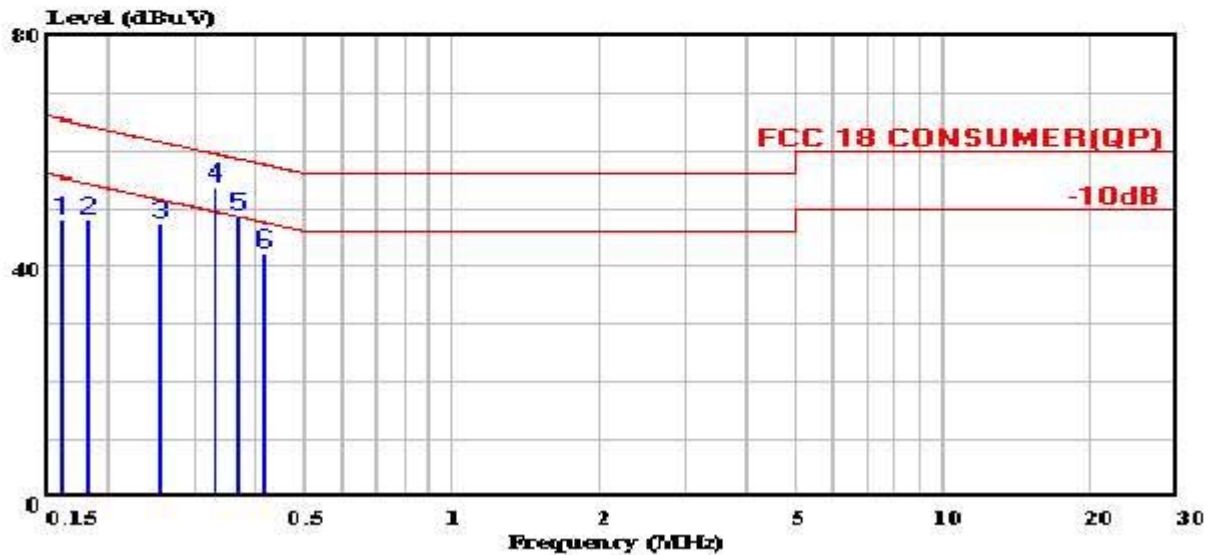
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.161 | 38.93      | 39.17 | 55.39      | -16.22     | 0.24   | 0.03       | 0.21         |
| 2 | 0.180 | 45.57      | 45.79 | 54.48      | -8.69      | 0.22   | 0.04       | 0.18         |
| 3 | 0.210 | 38.50      | 38.70 | 53.19      | -14.49     | 0.20   | 0.04       | 0.16         |
| 4 | 0.254 | 36.47      | 36.67 | 51.63      | -14.96     | 0.20   | 0.04       | 0.16         |
| 5 | 0.616 | 30.12      | 30.27 | 46.00      | -15.73     | 0.15   | 0.04       | 0.11         |
| 6 | 0.762 | 27.04      | 27.20 | 46.00      | -18.80     | 0.16   | 0.05       | 0.11         |



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Data#: 855 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-08 Time: 23:17:30



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-G40D-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   | 0.160 | 47.90      | 48.12 | 65.46      | -17.34     | 0.22   | 0.03       | 0.19         |
| 2   | 0.182 | 47.80      | 48.02 | 64.39      | -16.37     | 0.22   | 0.04       | 0.18         |
| 3   | 0.256 | 47.20      | 47.39 | 61.56      | -14.17     | 0.19   | 0.04       | 0.15         |
| 4 ! | 0.330 | 53.80      | 53.94 | 59.45      | -5.51      | 0.14   | 0.04       | 0.10         |
| 5 ! | 0.365 | 48.80      | 48.93 | 58.61      | -9.68      | 0.13   | 0.04       | 0.09         |
| 6   | 0.415 | 42.30      | 42.43 | 57.55      | -15.12     | 0.13   | 0.04       | 0.09         |

NOTE – The worst emission is detected at 0.330 MHz with corrected signal level of 53.94dB(μV) (limit is 59.45 dB(μV)), when the VA of the EUT is connected to LISN.

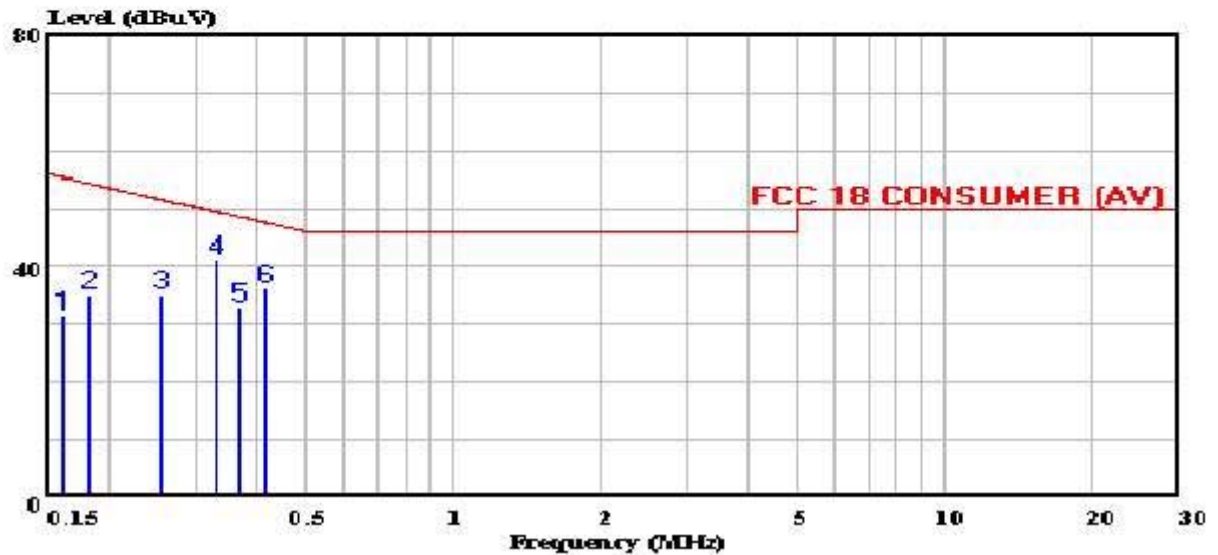




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Data#: 856 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-08 Time: 23:18:00



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-G40D-20W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : on  
Test Engineer:

*Solon Gong*

Page: 1

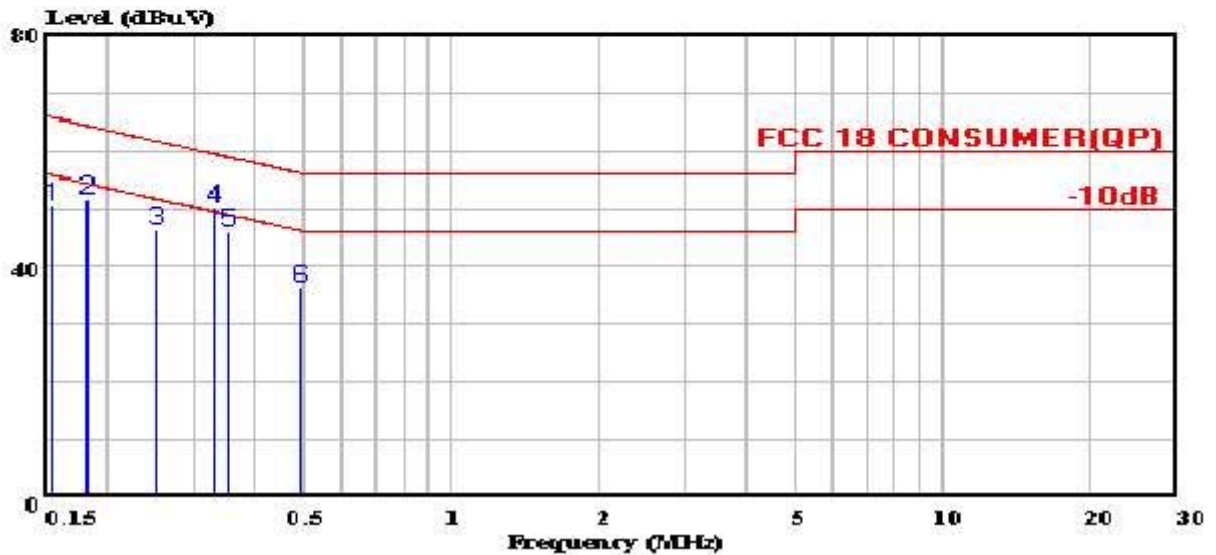
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.160 | 31.50      | 31.72 | 55.46      | -23.74     | 0.22   | 0.03       | 0.19         |
| 2 | 0.182 | 35.10      | 35.32 | 54.39      | -19.07     | 0.22   | 0.04       | 0.18         |
| 3 | 0.256 | 35.00      | 35.19 | 51.56      | -16.37     | 0.19   | 0.04       | 0.15         |
| 4 | 0.330 | 41.00      | 41.14 | 49.45      | -8.31      | 0.14   | 0.04       | 0.10         |
| 5 | 0.365 | 32.80      | 32.93 | 48.61      | -15.68     | 0.13   | 0.04       | 0.09         |
| 6 | 0.415 | 36.10      | 36.23 | 47.55      | -11.32     | 0.13   | 0.04       | 0.09         |



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Data#: 858 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-08 Time: 23:23:17



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 : FE-G40D-20W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : on  
Test Engineer: *Solon Gong*

Page: 1

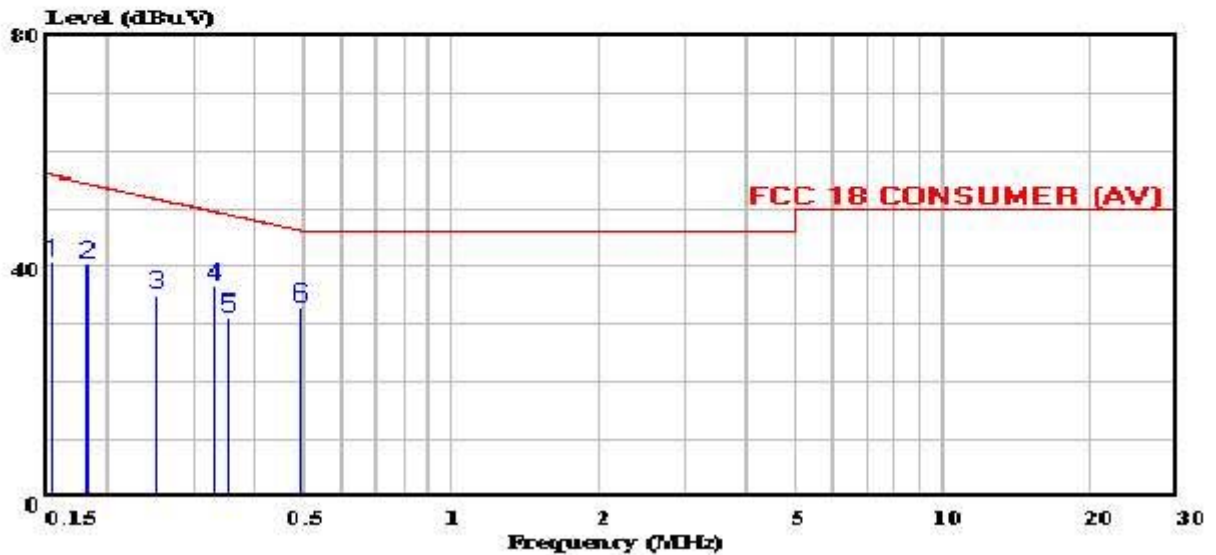
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.155 | 50.20      | 50.45 | 65.73      | -15.28     | 0.25   | 0.03       | 0.22         |
| 2 | 0.182 | 51.50      | 51.72 | 64.39      | -12.67     | 0.22   | 0.04       | 0.18         |
| 3 | 0.251 | 46.20      | 46.40 | 61.72      | -15.32     | 0.20   | 0.04       | 0.16         |
| 4 | 0.327 | 50.00      | 50.19 | 59.53      | -9.34      | 0.19   | 0.04       | 0.15         |
| 5 | 0.352 | 45.70      | 45.88 | 58.92      | -13.04     | 0.18   | 0.04       | 0.14         |
| 6 | 0.494 | 36.00      | 36.15 | 56.10      | -19.95     | 0.15   | 0.04       | 0.11         |



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Data#: 859 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-08 Time: 23:23:42



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-G40D-20W I  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : on  
Test Engineer:

*Salon Gong*

Page: 1

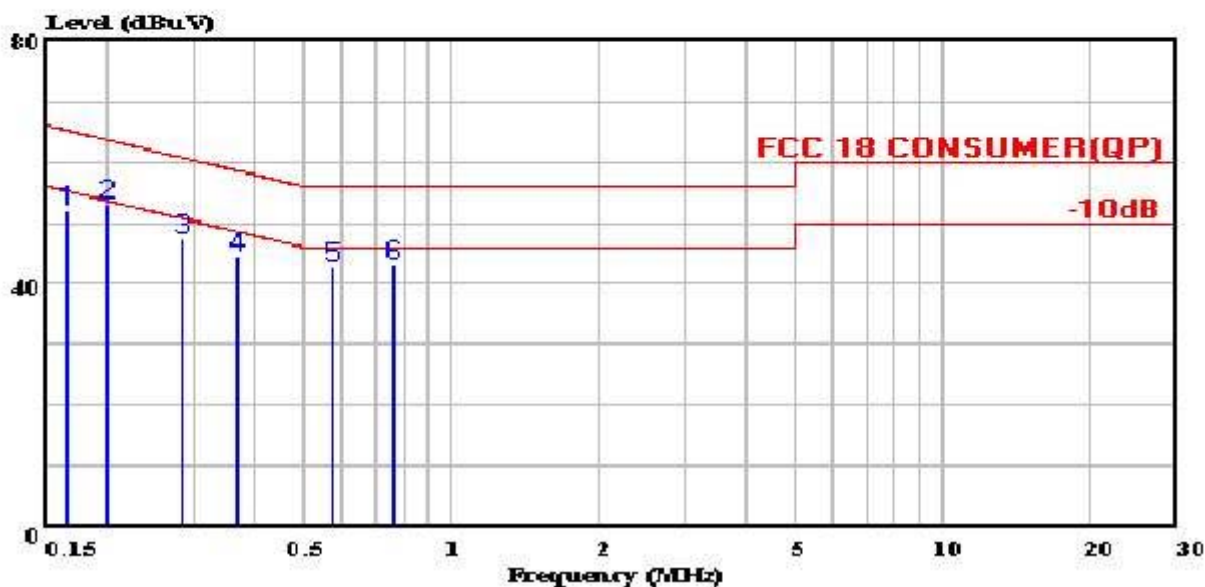
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.155 | 40.50      | 40.75 | 55.73      | -14.98     | 0.25   | 0.03       | 0.22         |
| 2 | 0.182 | 40.40      | 40.62 | 54.39      | -13.77     | 0.22   | 0.04       | 0.18         |
| 3 | 0.251 | 34.80      | 35.00 | 51.72      | -16.72     | 0.20   | 0.04       | 0.16         |
| 4 | 0.327 | 36.40      | 36.59 | 49.53      | -12.94     | 0.19   | 0.04       | 0.15         |
| 5 | 0.352 | 30.90      | 31.08 | 48.92      | -17.84     | 0.18   | 0.04       | 0.14         |
| 6 | 0.494 | 32.80      | 32.95 | 46.10      | -13.15     | 0.15   | 0.04       | 0.11         |



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Data#: 1032 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-20 Time: 16:59:50



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-G40D-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 |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.164 | 51.67      | 51.89 | 65.25      | -13.36     | 0.22   | 0.03       | 0.19         |
| 2 | 0.199 | 53.00      | 53.22 | 63.63      | -10.41     | 0.22   | 0.04       | 0.18         |
| 3 | 0.282 | 47.11      | 47.27 | 60.76      | -13.49     | 0.16   | 0.04       | 0.12         |
| 4 | 0.365 | 44.32      | 44.45 | 58.61      | -14.16     | 0.13   | 0.04       | 0.09         |
| 5 | 0.570 | 42.41      | 42.52 | 56.00      | -13.48     | 0.11   | 0.04       | 0.07         |
| 6 | 0.759 | 42.77      | 42.88 | 56.00      | -13.12     | 0.11   | 0.05       | 0.06         |

NOTE – The worst emission is detected at 0.199 MHz with corrected signal level of 53.22dB(μV) (limit is 63.63 dB(μV)), when the VA of the EUT is connected to LISN.

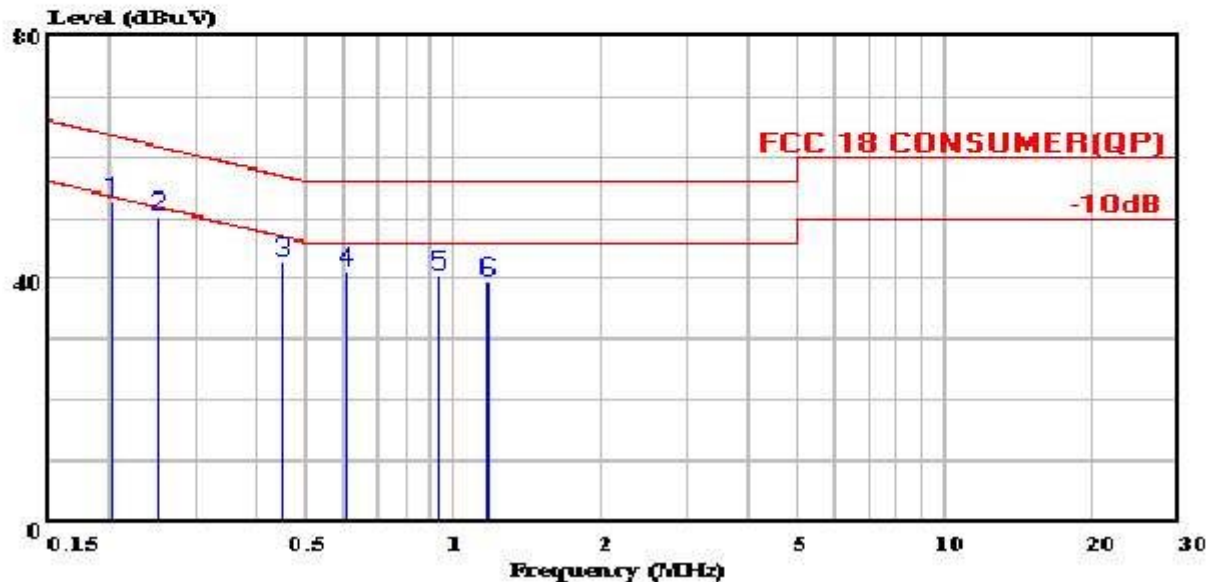




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Data#: 1034 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-20 Time: 17:02:06



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-G40D-23W  
S/N : E03032310  
Power Supply :  
Ambient : 120V/60Hz ;  
Test line : VB  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

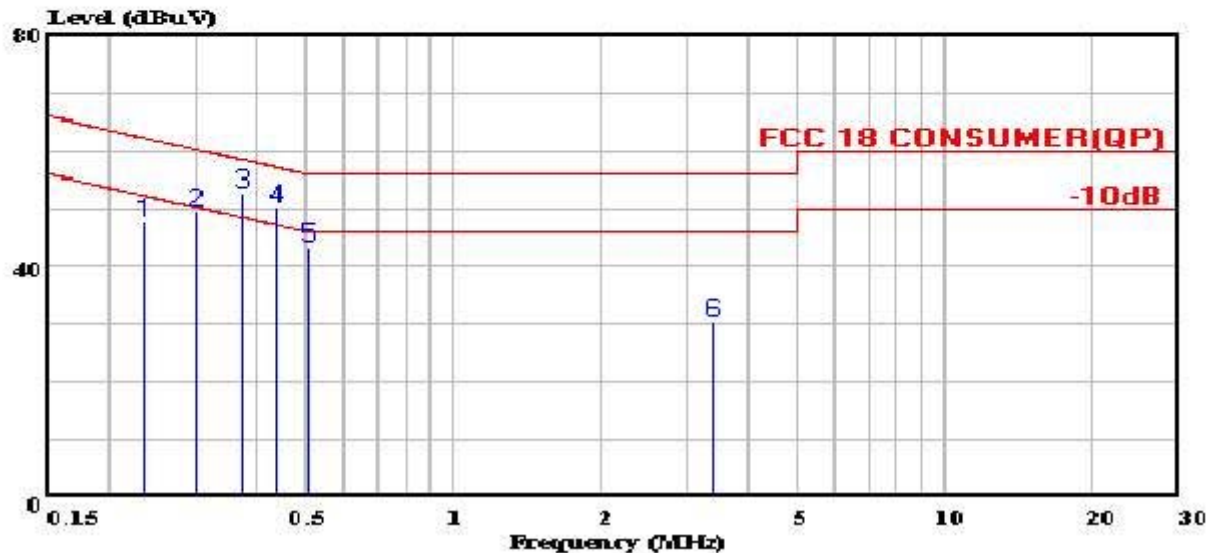
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.203 | 52.52      | 52.72 | 63.49      | -10.77     | 0.20   | 0.04       | 0.16         |
| 2 | 0.249 | 50.19      | 50.39 | 61.78      | -11.39     | 0.20   | 0.04       | 0.16         |
| 3 | 0.447 | 42.48      | 42.64 | 56.93      | -14.29     | 0.16   | 0.04       | 0.12         |
| 4 | 0.604 | 41.22      | 41.37 | 56.00      | -14.63     | 0.15   | 0.04       | 0.11         |
| 5 | 0.938 | 40.24      | 40.40 | 56.00      | -15.60     | 0.16   | 0.05       | 0.11         |
| 6 | 1.172 | 39.20      | 39.37 | 56.00      | -16.63     | 0.17   | 0.06       | 0.11         |



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Data#: 1193 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 19:02:48



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-G40D-26W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer: *Salon Gong*

Page: 1

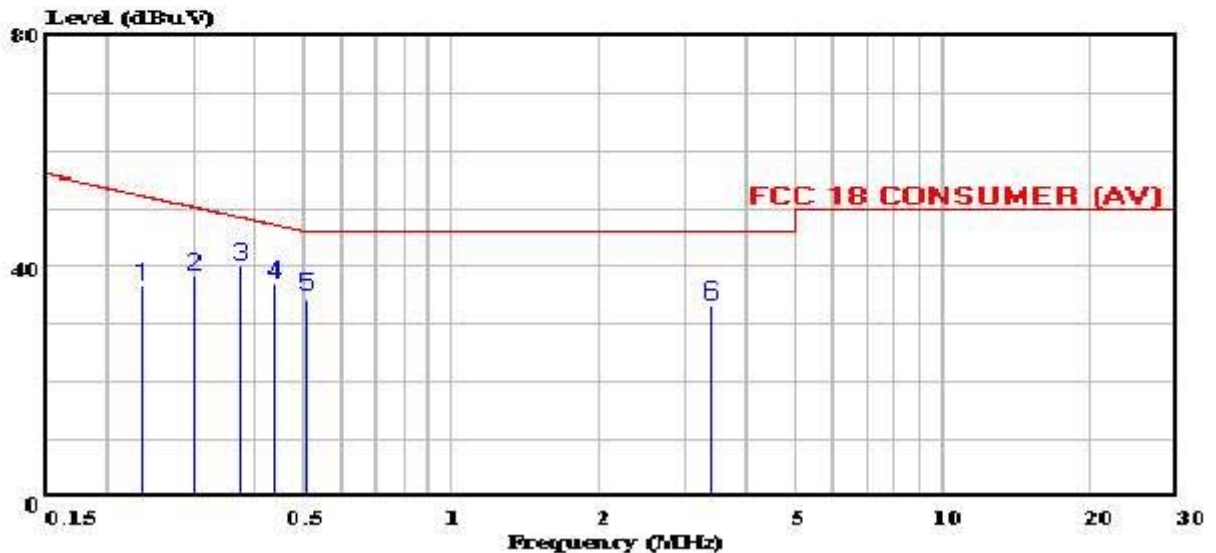
|     | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor | Remark |
|-----|-------|------------|-------|------------|------------|--------|------------|--------------|--------|
|     | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |        |
| 1   | 0.235 | 47.63      | 47.84 | 62.27      | -14.43     | 0.21   | 0.04       | 0.17         |        |
| 2   | 0.299 | 49.37      | 49.51 | 60.27      | -10.76     | 0.14   | 0.04       | 0.10         |        |
| 3 ! | 0.373 | 52.77      | 52.90 | 58.43      | -5.53      | 0.13   | 0.04       | 0.09         |        |
| 4 ! | 0.440 | 50.09      | 50.22 | 57.06      | -6.84      | 0.13   | 0.04       | 0.09         |        |
| 5   | 0.505 | 43.44      | 43.56 | 56.00      | -12.44     | 0.12   | 0.04       | 0.08         |        |
| 6   | 3.401 | 30.49      | 30.67 | 56.00      | -25.33     | 0.18   | 0.11       | 0.07         |        |



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Data#: 1192 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 18:58:13



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-G40D-26W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer: *Solon Gong*

Page: 1

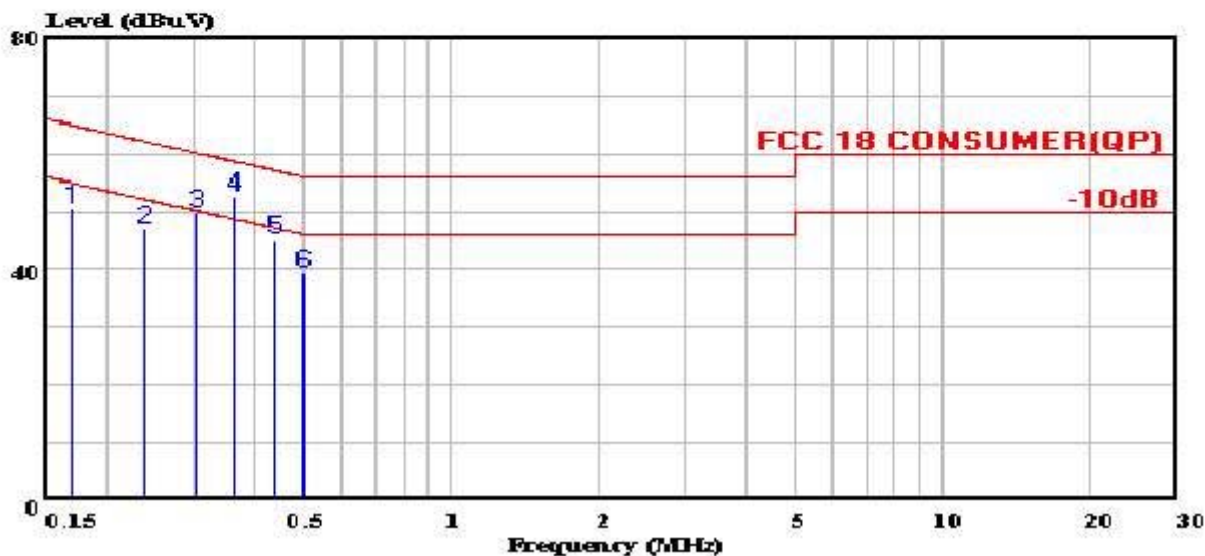
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor | Remark |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|--------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |        |
| 1 | 0.235 | 36.25      | 36.46 | 52.27      | -15.81     | 0.21   | 0.04       | 0.17         |        |
| 2 | 0.299 | 38.39      | 38.53 | 50.27      | -11.74     | 0.14   | 0.04       | 0.10         | Peak   |
| 3 | 0.373 | 40.01      | 40.14 | 48.43      | -8.29      | 0.13   | 0.04       | 0.09         | Peak   |
| 4 | 0.440 | 36.96      | 37.09 | 47.06      | -9.97      | 0.13   | 0.04       | 0.09         | Peak   |
| 5 | 0.505 | 34.64      | 34.76 | 46.00      | -11.24     | 0.12   | 0.04       | 0.08         | Peak   |
| 6 | 3.401 | 33.28      | 33.46 | 46.00      | -12.54     | 0.18   | 0.11       | 0.07         | Peak   |



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Data#: 1195 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 19:04:51



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-G40D-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 | Remark |
|-----|-------|------------|-------|------------|------------|--------|------------|--------------|--------|
|     | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |        |
| 1   | 0.169 | 50.37      | 50.60 | 65.01      | -14.41     | 0.23   | 0.03       | 0.20         |        |
| 2   | 0.237 | 46.69      | 46.89 | 62.22      | -15.33     | 0.20   | 0.04       | 0.16         |        |
| 3   | 0.305 | 49.57      | 49.77 | 60.11      | -10.34     | 0.20   | 0.04       | 0.16         |        |
| 4 ! | 0.362 | 52.71      | 52.89 | 58.67      | -5.78      | 0.18   | 0.04       | 0.14         |        |
| 5   | 0.440 | 45.00      | 45.16 | 57.06      | -11.90     | 0.16   | 0.04       | 0.12         |        |
| 6   | 0.503 | 39.23      | 39.38 | 56.00      | -16.62     | 0.15   | 0.04       | 0.11         |        |

NOTE – The worst emission is detected at 0.362 MHz with corrected signal level of 52.89dB(μV) (limit is 58.67 dB(μV)), when the VB of the EUT is connected to LISN.

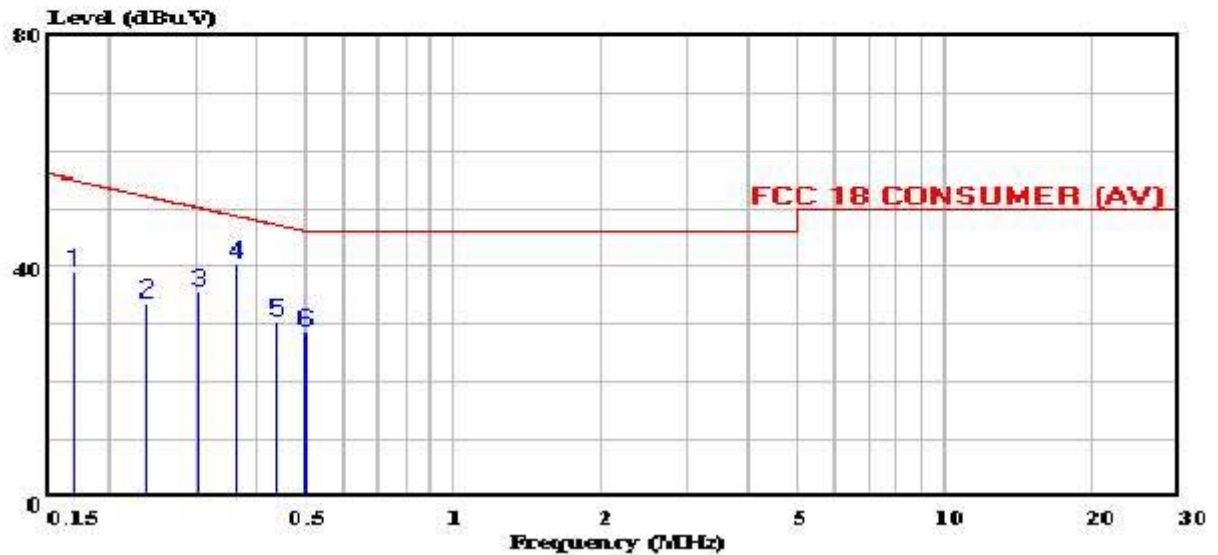




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Data#: 1196 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 19:04:51



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-G40D-26W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer:

*Salon Gong*

Page: 1

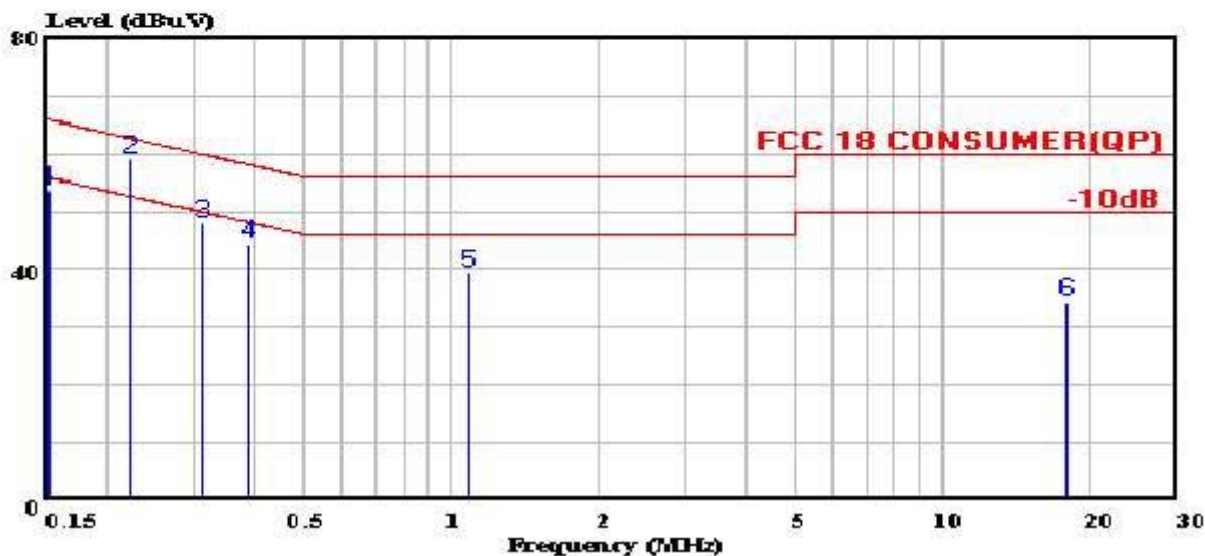
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor | Remark |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|--------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |        |
| 1 | 0.169 | 38.70      | 38.93 | 55.01      | -16.08     | 0.23   | 0.03       | 0.20         |        |
| 2 | 0.237 | 33.36      | 33.56 | 52.22      | -18.66     | 0.20   | 0.04       | 0.16         |        |
| 3 | 0.305 | 35.37      | 35.57 | 50.11      | -14.54     | 0.20   | 0.04       | 0.16         |        |
| 4 | 0.362 | 40.26      | 40.44 | 48.67      | -8.23      | 0.18   | 0.04       | 0.14         |        |
| 5 | 0.440 | 30.47      | 30.63 | 47.06      | -16.43     | 0.16   | 0.04       | 0.12         |        |
| 6 | 0.503 | 28.66      | 28.81 | 46.00      | -17.19     | 0.15   | 0.04       | 0.11         |        |



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Data#: 185 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-24 Time: 19:06:39



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-G40DB-32W  
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 | 0.152  | 53.50      | 53.72 | 65.89      | -12.17     | 0.22   | 0.03       | 0.19         |
| 2 | 0.222  | 59.00      | 59.21 | 62.74      | -3.53      | 0.21   | 0.04       | 0.17         |
| 3 | 0.312  | 48.10      | 48.24 | 59.92      | -11.68     | 0.14   | 0.04       | 0.10         |
| 4 | 0.389  | 44.20      | 44.33 | 58.09      | -13.76     | 0.13   | 0.04       | 0.09         |
| 5 | 1.090  | 39.40      | 39.50 | 56.00      | -16.50     | 0.10   | 0.05       | 0.05         |
| 6 | 17.940 | 33.50      | 34.29 | 60.00      | -25.71     | 0.79   | 0.27       | 0.52         |

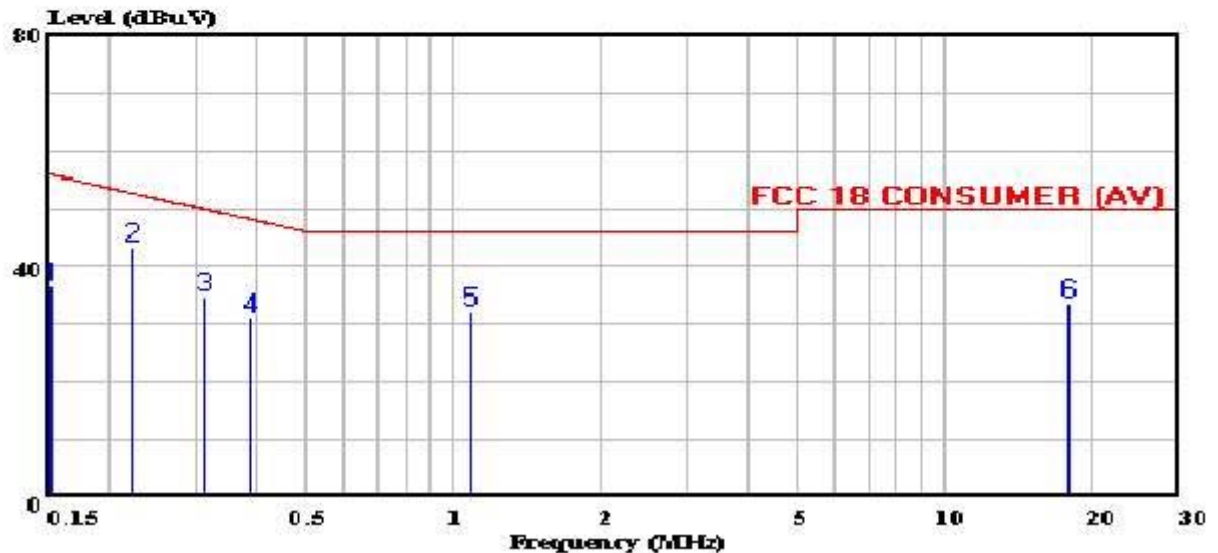
NOTE – The worst emission is detected at 0.222 MHz with corrected signal level of 59.21dB(μV) (limit is 62.74 dB(μV)), when the VA of the EUT is connected to LISN.



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Data#: 186 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-24 Time: 19:07:05



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-G40DB-32W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : on  
Test Engineer: *Solon Gong*

Page: 1

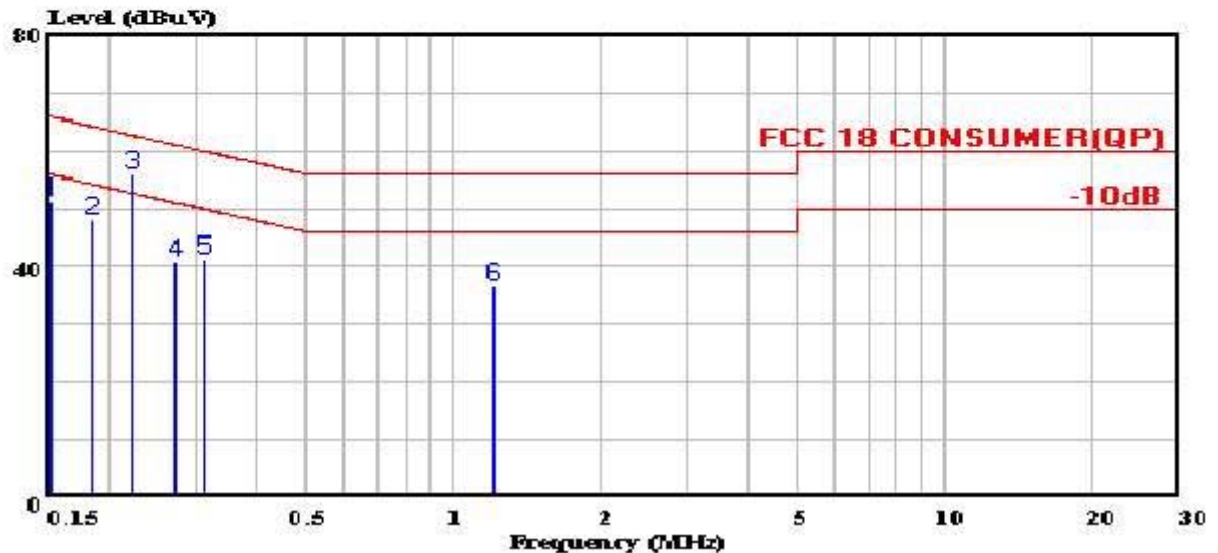
|   | Freq   | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|--------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz    | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.152  | 36.50      | 36.72 | 55.89      | -19.17     | 0.22   | 0.03       | 0.19         |
| 2 | 0.222  | 43.30      | 43.51 | 52.74      | -9.23      | 0.21   | 0.04       | 0.17         |
| 3 | 0.312  | 34.50      | 34.64 | 49.92      | -15.28     | 0.14   | 0.04       | 0.10         |
| 4 | 0.389  | 31.20      | 31.33 | 48.09      | -16.76     | 0.13   | 0.04       | 0.09         |
| 5 | 1.090  | 32.20      | 32.30 | 46.00      | -13.70     | 0.10   | 0.05       | 0.05         |
| 6 | 17.940 | 33.10      | 33.89 | 50.00      | -16.11     | 0.79   | 0.27       | 0.52         |



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Data#: 188 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-24 Time: 19:12:02



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-G40DB-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 Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.152 | 51.20      | 51.46 | 65.89      | -14.43     | 0.26   | 0.03       | 0.23         |
| 2 | 0.184 | 47.70      | 47.92 | 64.30      | -16.38     | 0.22   | 0.04       | 0.18         |
| 3 | 0.222 | 55.60      | 55.80 | 62.74      | -6.94      | 0.20   | 0.04       | 0.16         |
| 4 | 0.273 | 40.60      | 40.80 | 61.03      | -20.23     | 0.20   | 0.04       | 0.16         |
| 5 | 0.310 | 41.20      | 41.40 | 59.97      | -18.57     | 0.20   | 0.04       | 0.16         |
| 6 | 1.210 | 36.40      | 36.57 | 56.00      | -19.43     | 0.17   | 0.06       | 0.11         |

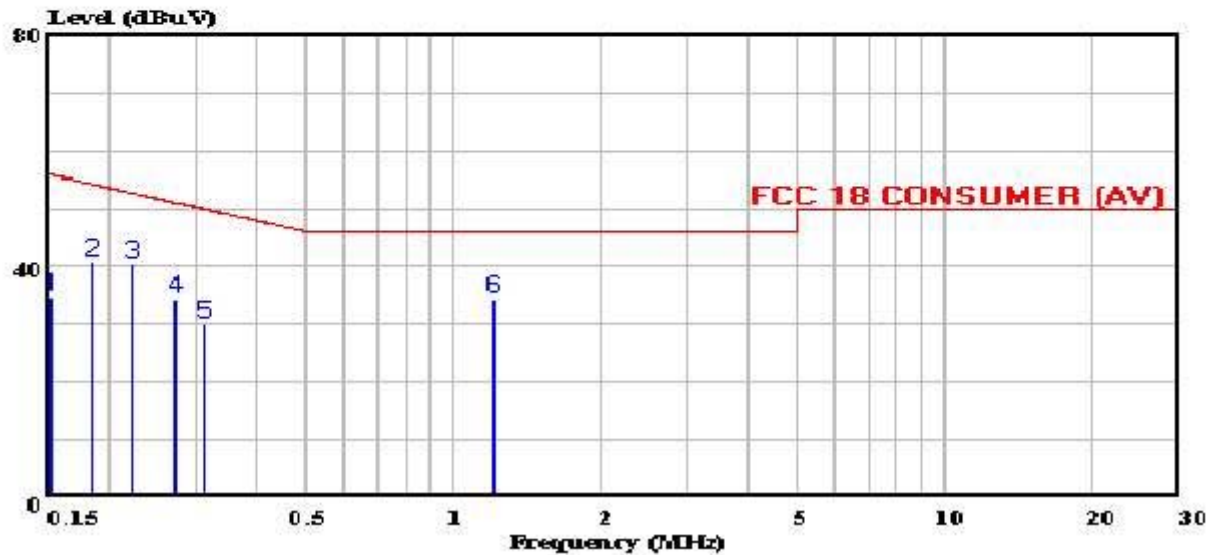




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Data#: 189 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-03-24 Time: 19:12:44



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-G40DB-32W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
Test Mode : on  
Test Engineer: *Solon Gong*

Page: 1

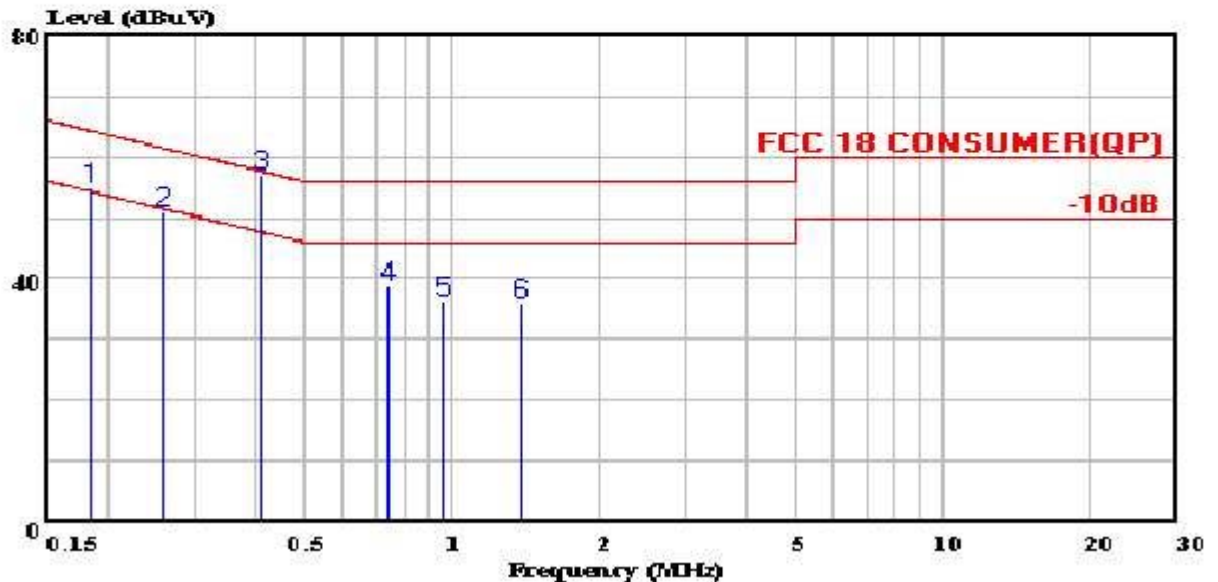
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.152 | 34.70      | 34.96 | 55.89      | -20.93     | 0.26   | 0.03       | 0.23         |
| 2 | 0.184 | 40.60      | 40.82 | 54.30      | -13.48     | 0.22   | 0.04       | 0.18         |
| 3 | 0.222 | 40.40      | 40.60 | 52.74      | -12.14     | 0.20   | 0.04       | 0.16         |
| 4 | 0.273 | 34.40      | 34.60 | 51.03      | -16.43     | 0.20   | 0.04       | 0.16         |
| 5 | 0.310 | 30.00      | 30.20 | 49.97      | -19.77     | 0.20   | 0.04       | 0.16         |
| 6 | 1.210 | 34.10      | 34.27 | 46.00      | -11.73     | 0.17   | 0.06       | 0.11         |



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Data#: 1179 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 18:37:26



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-ALD-20W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer: *Solon Gong*

Page: 1

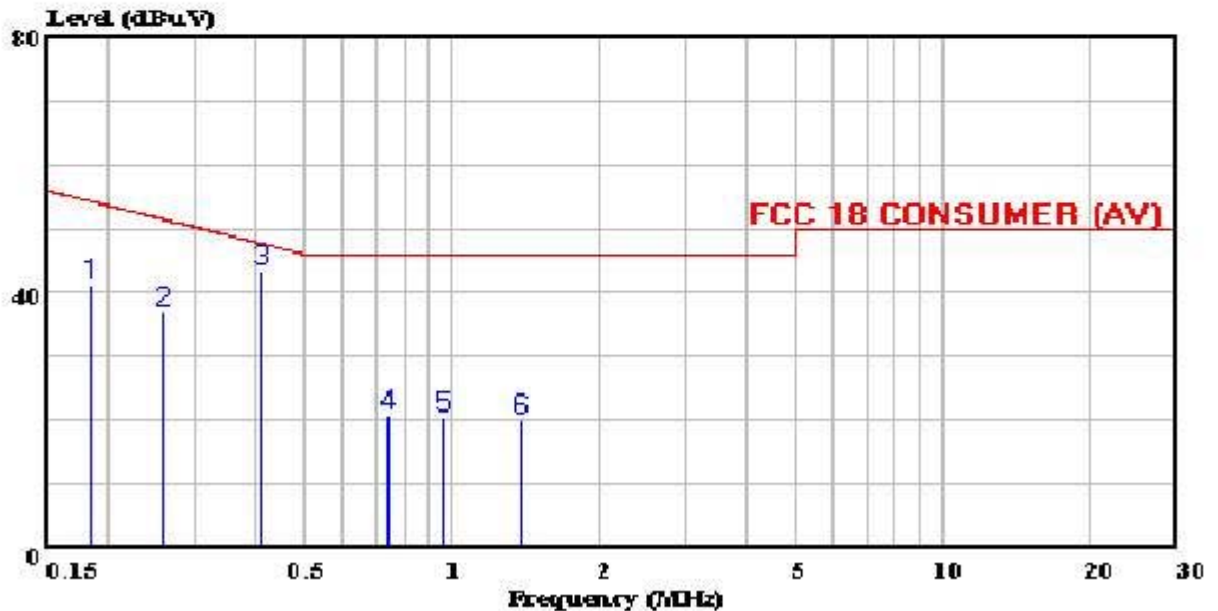
|     | Freq  | Read  | Limit | Over  | Cable  | Probe  |
|-----|-------|-------|-------|-------|--------|--------|
|     | MHz   | Level | Level | Limit | Loss   | Factor |
|     |       | dBuV  | dBuV  | Line  | Factor |        |
|     |       |       |       | dB    | dB     | dB     |
| 1 ! | 0.184 | 54.66 | 54.88 | 64.31 | -9.43  | 0.22   |
| 2   | 0.257 | 50.75 | 50.94 | 61.51 | -10.57 | 0.19   |
| 3 ! | 0.406 | 56.80 | 56.93 | 57.72 | -0.79  | 0.13   |
| 4   | 0.745 | 38.50 | 38.61 | 56.00 | -17.39 | 0.11   |
| 5   | 0.959 | 36.01 | 36.11 | 56.00 | -19.89 | 0.10   |
| 6   | 1.378 | 35.91 | 36.03 | 56.00 | -19.97 | 0.12   |



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Data#: 1180 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 18:37:26



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-ALD-20W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23°C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

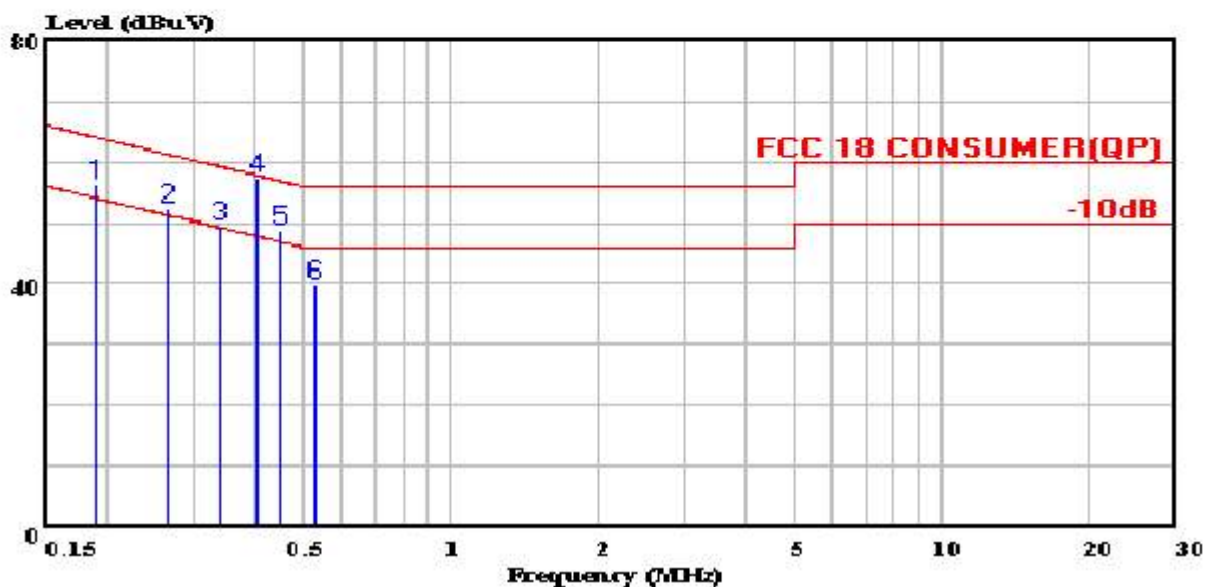
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.184 | 40.98      | 41.20 | 54.31      | -13.11     | 0.22   | 0.04       | 0.18         |
| 2 | 0.257 | 36.81      | 37.00 | 51.51      | -14.51     | 0.19   | 0.04       | 0.15         |
| 3 | 0.406 | 43.18      | 43.31 | 47.72      | -4.41      | 0.13   | 0.04       | 0.09         |
| 4 | 0.745 | 20.71      | 20.82 | 46.00      | -25.18     | 0.11   | 0.05       | 0.06         |
| 5 | 0.959 | 20.46      | 20.56 | 46.00      | -25.44     | 0.10   | 0.05       | 0.05         |
| 6 | 1.378 | 19.82      | 19.94 | 46.00      | -26.06     | 0.12   | 0.07       | 0.05         |



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Data#: 1176 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 18:30:19



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-ALD-20W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VB  
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 ! | 0.188 | 56.14      | 56.36 | 64.13      | -7.77      | 0.22   | 0.04       | 0.18         |
| 2 ! | 0.264 | 52.30      | 52.50 | 61.30      | -8.80      | 0.20   | 0.04       | 0.16         |
| 3 ! | 0.339 | 49.47      | 49.66 | 59.23      | -9.57      | 0.19   | 0.04       | 0.15         |
| 4 ! | 0.403 | 57.32      | 57.49 | 57.79      | -0.30      | 0.17   | 0.04       | 0.13         |
| 5 ! | 0.451 | 48.47      | 48.63 | 56.86      | -8.23      | 0.16   | 0.04       | 0.12         |
| 6   | 0.526 | 39.51      | 39.66 | 56.00      | -16.34     | 0.15   | 0.04       | 0.11         |

NOTE 1 – The worst emission is detected at 0.403 MHz with corrected signal level of 57.49 dB(μV) (limit is 57.79 dB(μV)), when the VB of the EUT is connected to LISN.

NOTE 2 –At the frequency 0.406 MHz [VA (QP)], 0.403 MHz [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.

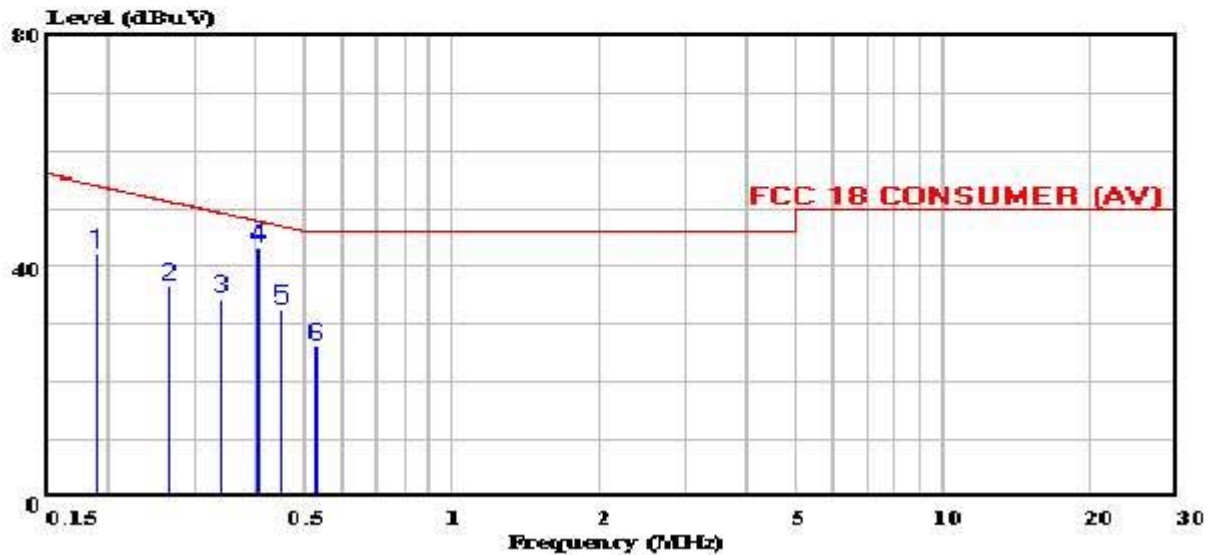




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Data#: 1177 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 18:30:19



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-ALD-20W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23°C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer:

*Salon Gong*

Page: 1

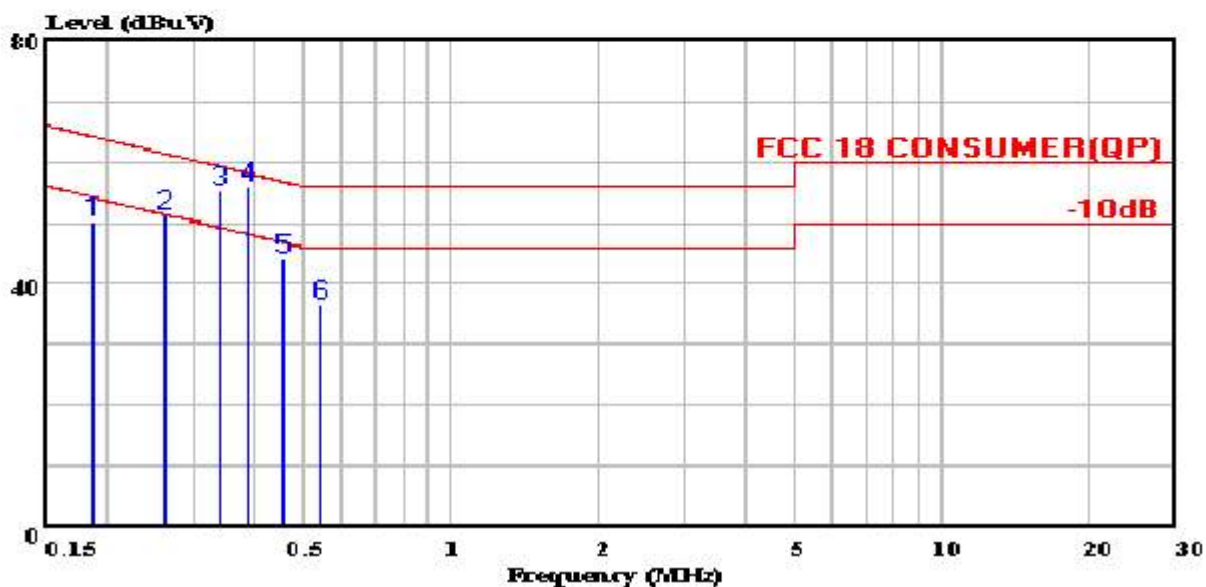
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.188 | 42.22      | 42.44 | 54.13      | -11.69     | 0.22   | 0.04       | 0.18         |
| 2 | 0.264 | 36.55      | 36.75 | 51.30      | -14.55     | 0.20   | 0.04       | 0.16         |
| 3 | 0.339 | 34.12      | 34.31 | 49.23      | -14.92     | 0.19   | 0.04       | 0.15         |
| 4 | 0.403 | 43.21      | 43.38 | 47.79      | -4.41      | 0.17   | 0.04       | 0.13         |
| 5 | 0.451 | 32.59      | 32.75 | 46.86      | -14.11     | 0.16   | 0.04       | 0.12         |
| 6 | 0.526 | 26.21      | 26.36 | 46.00      | -19.64     | 0.15   | 0.04       | 0.11         |



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Data#: 1167 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 10:34:47



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-ALD-24W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23°C 56%RH  
Test line : VA  
Test Mode :  
Test Engineer: *Solon Gong*

Page: 1

|     | Freq  | Read  | Level | Limit | Over   | Cable | Probe  |
|-----|-------|-------|-------|-------|--------|-------|--------|
|     | MHz   | dBuV  | dBuV  | dBuV  | Limit  | Loss  | Factor |
|     |       |       |       |       | dB     | dB    | dB     |
| 1   | 0.186 | 50.15 | 50.37 | 64.21 | -13.84 | 0.22  | 0.18   |
| 2 ! | 0.263 | 51.28 | 51.46 | 61.34 | -9.88  | 0.18  | 0.14   |
| 3 ! | 0.337 | 54.99 | 55.13 | 59.28 | -4.15  | 0.14  | 0.10   |
| 4 ! | 0.389 | 55.67 | 55.80 | 58.09 | -2.29  | 0.13  | 0.09   |
| 5   | 0.454 | 43.91 | 44.03 | 56.79 | -12.76 | 0.12  | 0.08   |
| 6   | 0.541 | 36.36 | 36.48 | 56.00 | -19.52 | 0.12  | 0.08   |

NOTE 1 – The worst emission is detected at 0.389 MHz with corrected signal level of 55.80 dB(μV) (limit is 58.09 dB(μV)), when the VA of the EUT is connected to LISN.

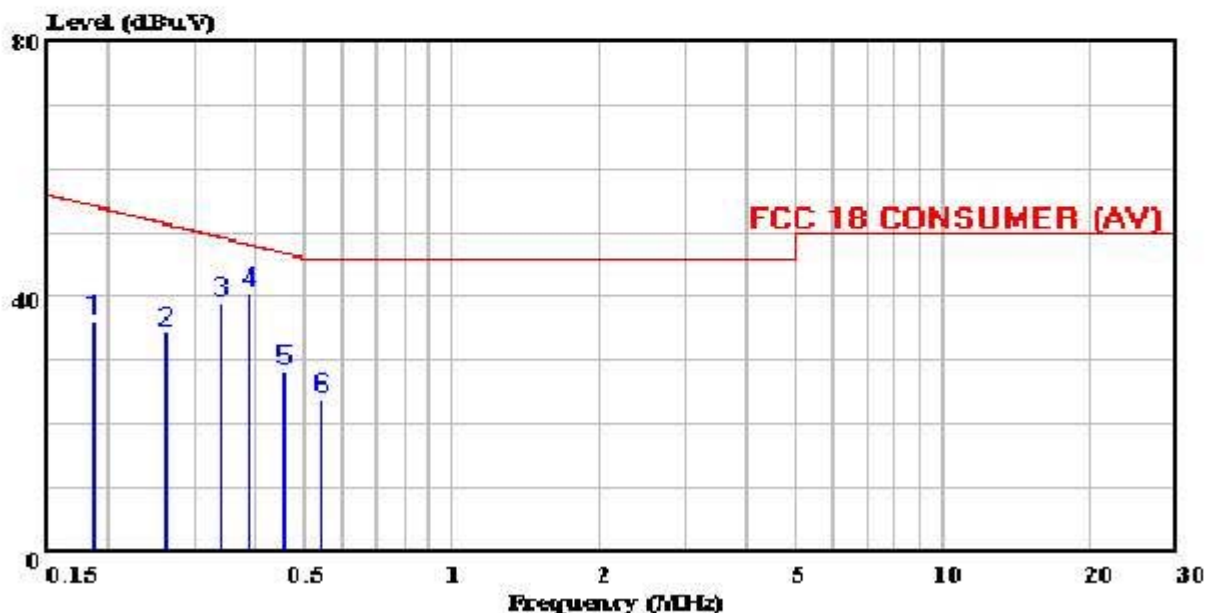
NOTE 2 –At the frequency 0.389 MHz [VA (QP)], the measured result is below the specification limit by a margin less than the measurement uncertainty, it is not therefore possible to determine compliance at a level of confidence of 95%. However, the measured result indicates a higher probability that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



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Data#: 1168 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 10:34:47



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-ALD-24W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23'C 56%RH  
Test line : VA  
Test Mode : ON  
Test Engineer: *Solon Gong*

Page: 1

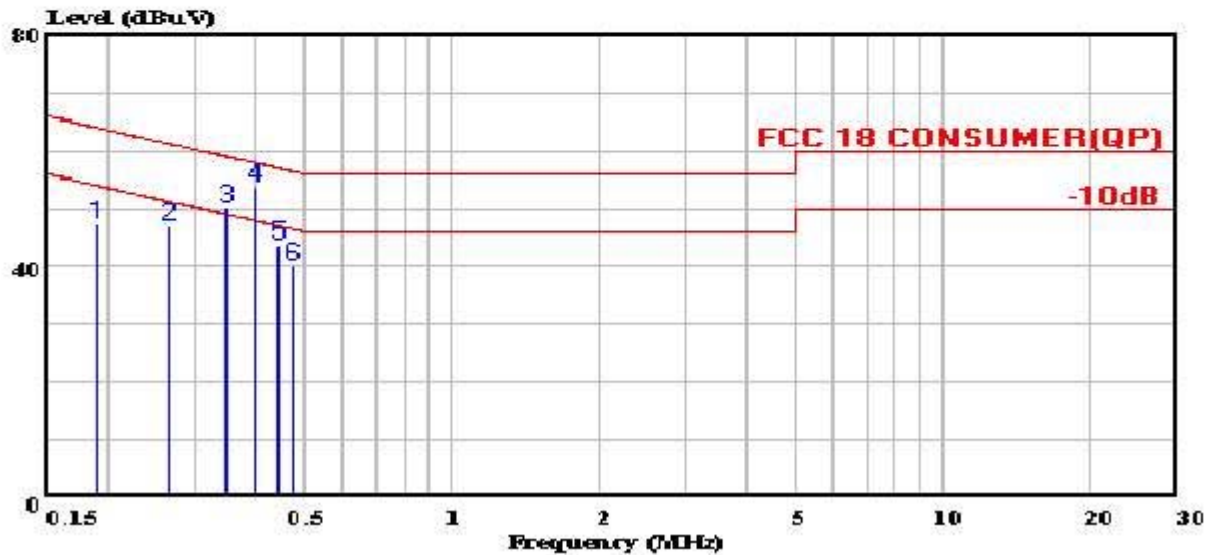
|   | Freq  | Read Level | Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV  | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.186 | 35.87      | 36.09 | 54.21      | -18.12     | 0.22   | 0.04       | 0.18         |
| 2 | 0.263 | 34.30      | 34.48 | 51.34      | -16.86     | 0.18   | 0.04       | 0.14         |
| 3 | 0.337 | 38.79      | 38.93 | 49.28      | -10.35     | 0.14   | 0.04       | 0.10         |
| 4 | 0.389 | 40.28      | 40.41 | 48.09      | -7.68      | 0.13   | 0.04       | 0.09         |
| 5 | 0.454 | 28.11      | 28.23 | 46.79      | -18.56     | 0.12   | 0.04       | 0.08         |
| 6 | 0.541 | 23.88      | 24.00 | 46.00      | -22.00     | 0.12   | 0.04       | 0.08         |



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Data#: 1163 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 10:26:03



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-ALD-24W  
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   | 0.188 | 47.15      | 47.36 | 64.12      | -16.76     | 0.21   | 0.04       | 0.17         |
| 2   | 0.266 | 46.77      | 46.97 | 61.23      | -14.26     | 0.20   | 0.04       | 0.16         |
| 3 ! | 0.346 | 49.95      | 50.14 | 59.05      | -8.91      | 0.19   | 0.04       | 0.15         |
| 4 ! | 0.397 | 53.68      | 53.85 | 57.91      | -4.06      | 0.17   | 0.04       | 0.13         |
| 5   | 0.444 | 43.54      | 43.70 | 56.99      | -13.29     | 0.16   | 0.04       | 0.12         |
| 6   | 0.473 | 40.05      | 40.21 | 56.46      | -16.25     | 0.16   | 0.04       | 0.12         |

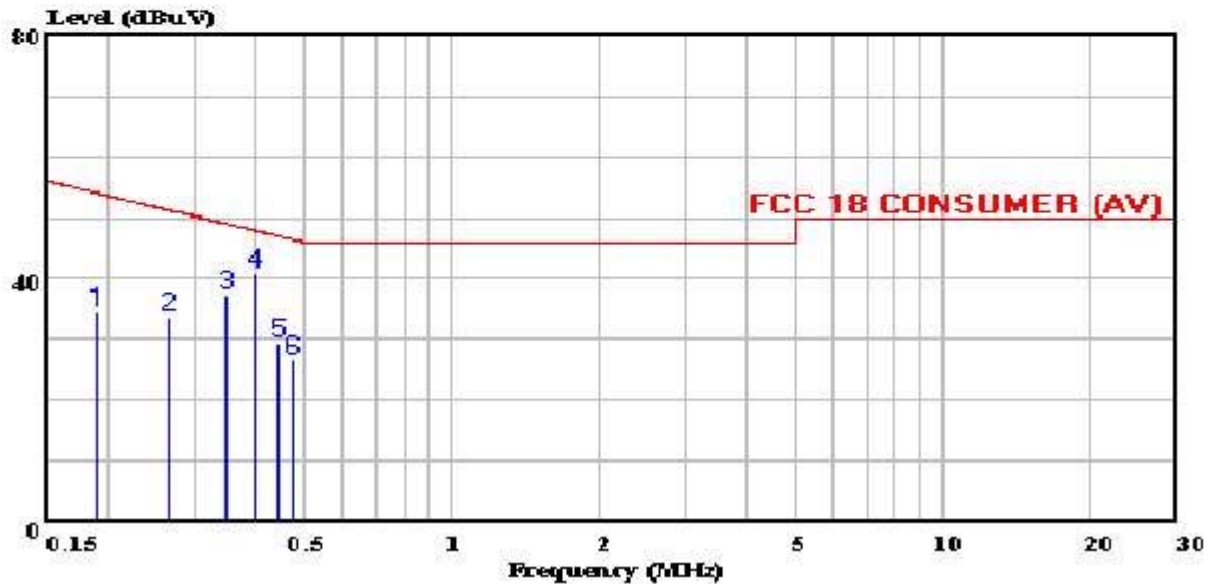




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Data#: 1164 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-06-09 Time: 10:26:03



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-ALD-24W  
S/N :  
Power Supply : 120V/60Hz  
Ambient : 23°C 56%RH  
Test line : VB  
Test Mode : ON  
Test Engineer:

*Solon Gong*

Page: 1

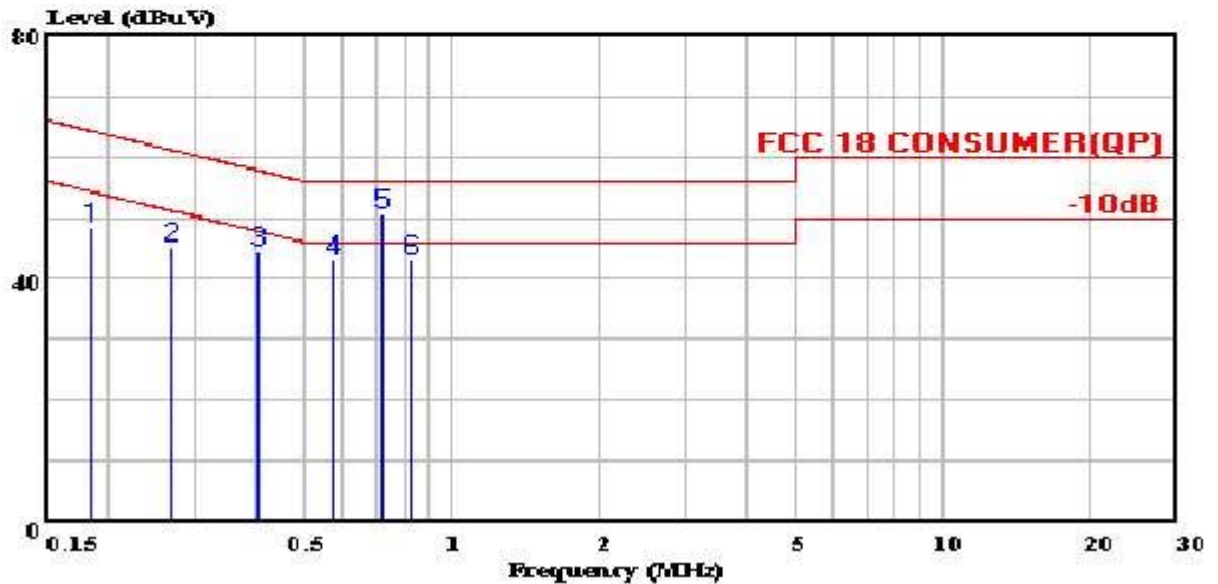
|   | Freq  | Read Level | Limit Level | Limit Line | Over Limit | Factor | Cable Loss | Probe Factor |
|---|-------|------------|-------------|------------|------------|--------|------------|--------------|
|   | MHz   | dBuV       | dBuV        | dBuV       | dB         | dB     | dB         | dB           |
| 1 | 0.188 | 34.09      | 34.30       | 54.12      | -19.82     | 0.21   | 0.04       | 0.17         |
| 2 | 0.266 | 33.51      | 33.71       | 51.23      | -17.52     | 0.20   | 0.04       | 0.16         |
| 3 | 0.346 | 37.11      | 37.30       | 49.05      | -11.75     | 0.19   | 0.04       | 0.15         |
| 4 | 0.397 | 40.63      | 40.80       | 47.91      | -7.11      | 0.17   | 0.04       | 0.13         |
| 5 | 0.444 | 29.35      | 29.51       | 46.99      | -17.48     | 0.16   | 0.04       | 0.12         |
| 6 | 0.473 | 26.30      | 26.46       | 46.46      | -20.00     | 0.16   | 0.04       | 0.12         |



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Data#: 1087 File#: C:\emivm\TEST\L\longstar.EMI

Date: 2003-05-21 Time: 09:25:33



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-T9D-22W  
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 | 0.185 | 48.11      | 48.33 | 64.26      | -15.93     | 0.22   | 0.04       | 0.18         |
| 2 | 0.267 | 45.16      | 45.34 | 61.21      | -15.87     | 0.18   | 0.04       | 0.14         |
| 3 | 0.402 | 44.48      | 44.61 | 57.81      | -13.20     | 0.13   | 0.04       | 0.09         |
| 4 | 0.577 | 42.95      | 43.06 | 56.00      | -12.94     | 0.11   | 0.04       | 0.07         |
| 5 | 0.720 | 50.47      | 50.58 | 56.00      | -5.42      | 0.11   | 0.05       | 0.06         |
| 6 | 0.823 | 43.07      | 43.18 | 56.00      | -12.82     | 0.11   | 0.05       | 0.06         |