

12. FINAL CONDUCTED AND RADIATED EMISSION TESTS SUMMARY

Per preliminary tests, the following normal mode of operations were selected which shown the maximum emissions level.

12.1 Conducted Emissions Tests

Limits apply to : FCC CFR 47, PART 18, SUBPART C

Type of Tests : CONSUMER EQUIPMENT

Result : PASSED BY -3.4 dB

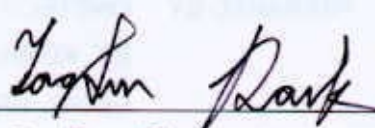
EUT : WHITE LIGHTNING

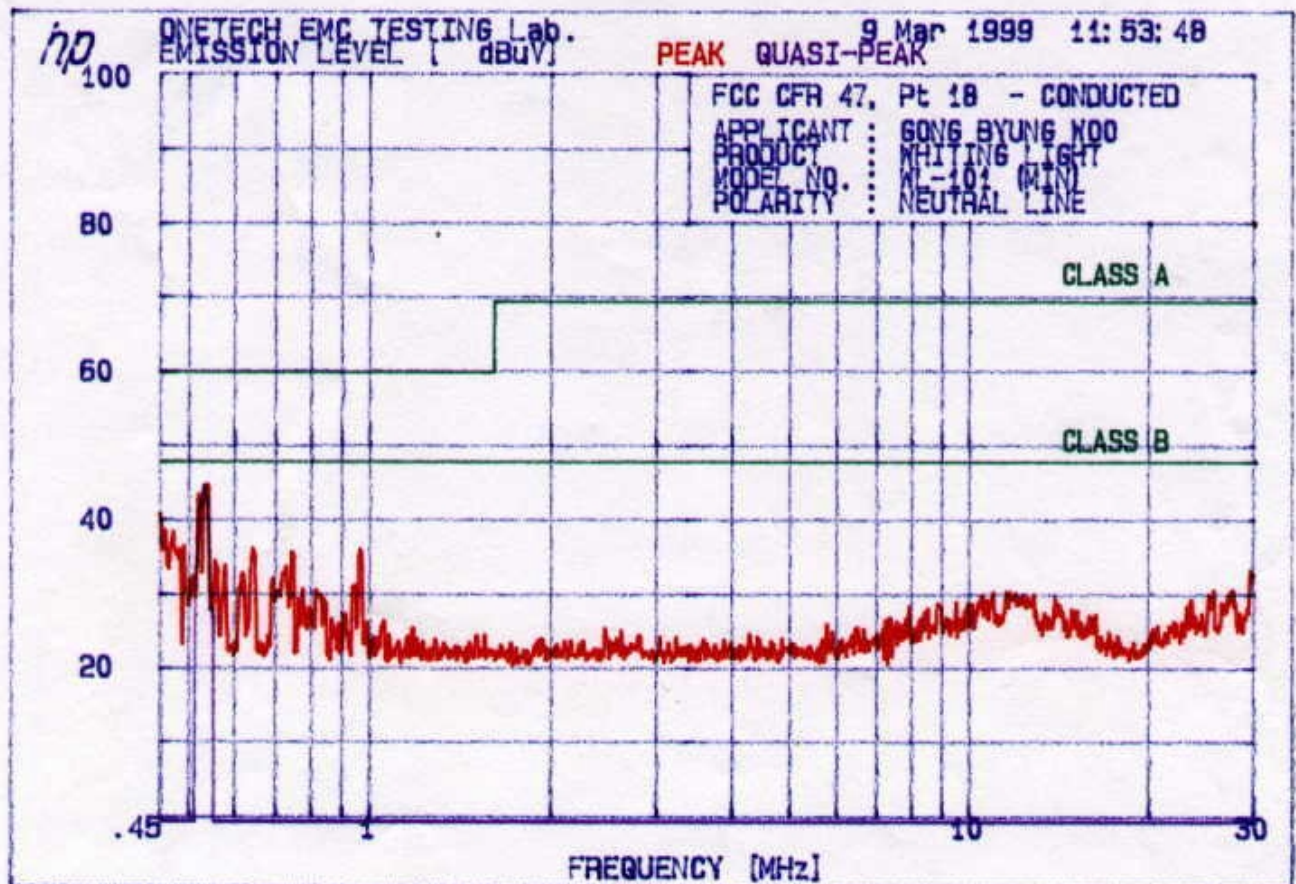
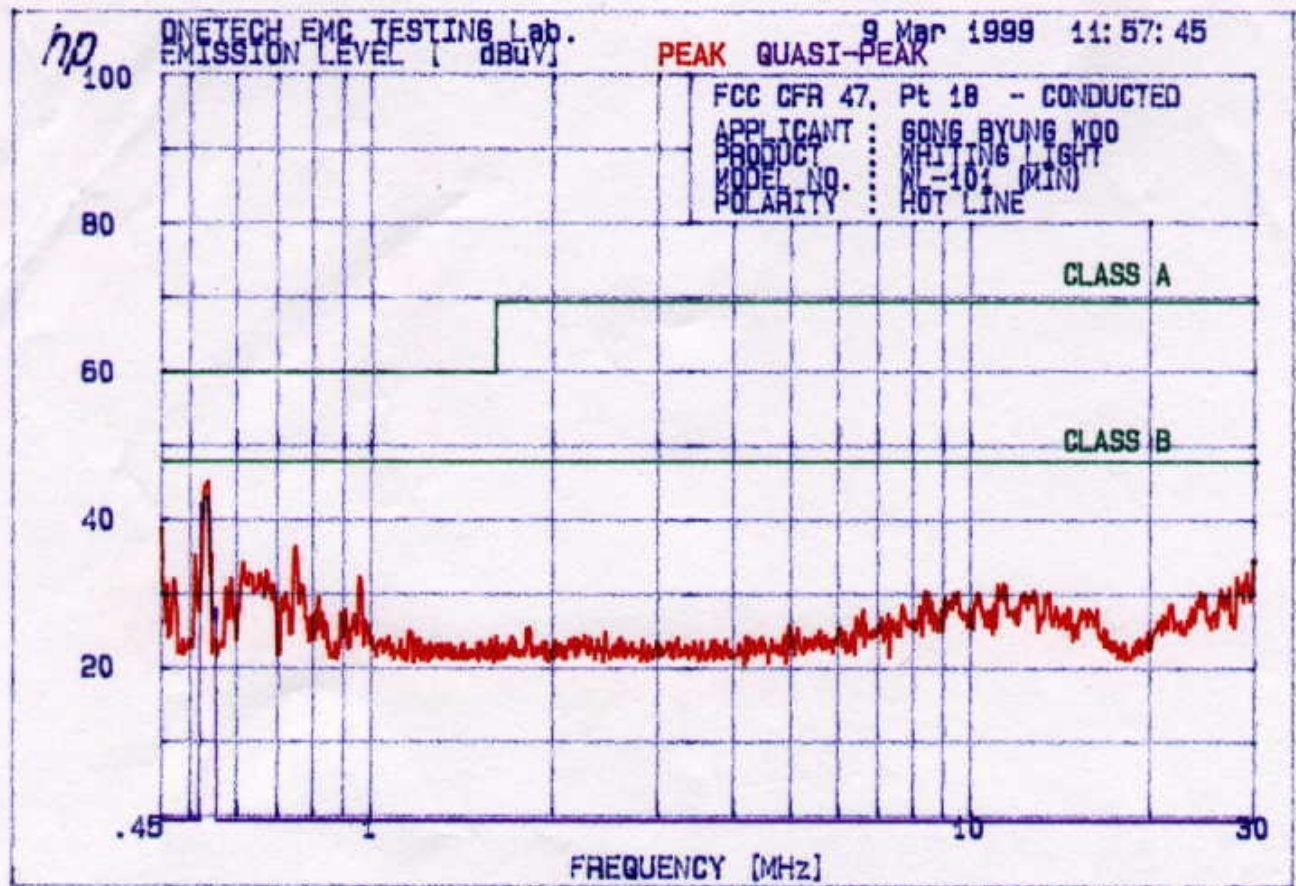
Date: March 09, 1999

Operating Condition : **Low Intensity**

Frequency (MHz)	Amplitude (dBuV)	Detection Mode	Conductor	Limit (dBuV)	Margin (dB)
0.45	40.8	Peak	Neutral	48.0	-7.20
0.54	44.6	Quasi-Peak	Neutral	48.0	-3.40
0.75	36.4	Peak	Hot	48.0	-11.60
0.97	36.0	Peak	Neutral	48.0	-12.00
11.09	31.3	Peak	Hot	48.0	-16.70
29.00	32.9	Peak	Hot	48.0	-15.10

Line Conducted Emissions Tabulated Data


Measuring by : Tag Sun, Park / Project Engineer



12.2 Conducted Emissions Tests

Limits apply to : FCC CFR 47, PART 18, SUBPART C
Type of Tests : CONSUMER EQUIPMENT
Result : PASSED BY -3.7 dB

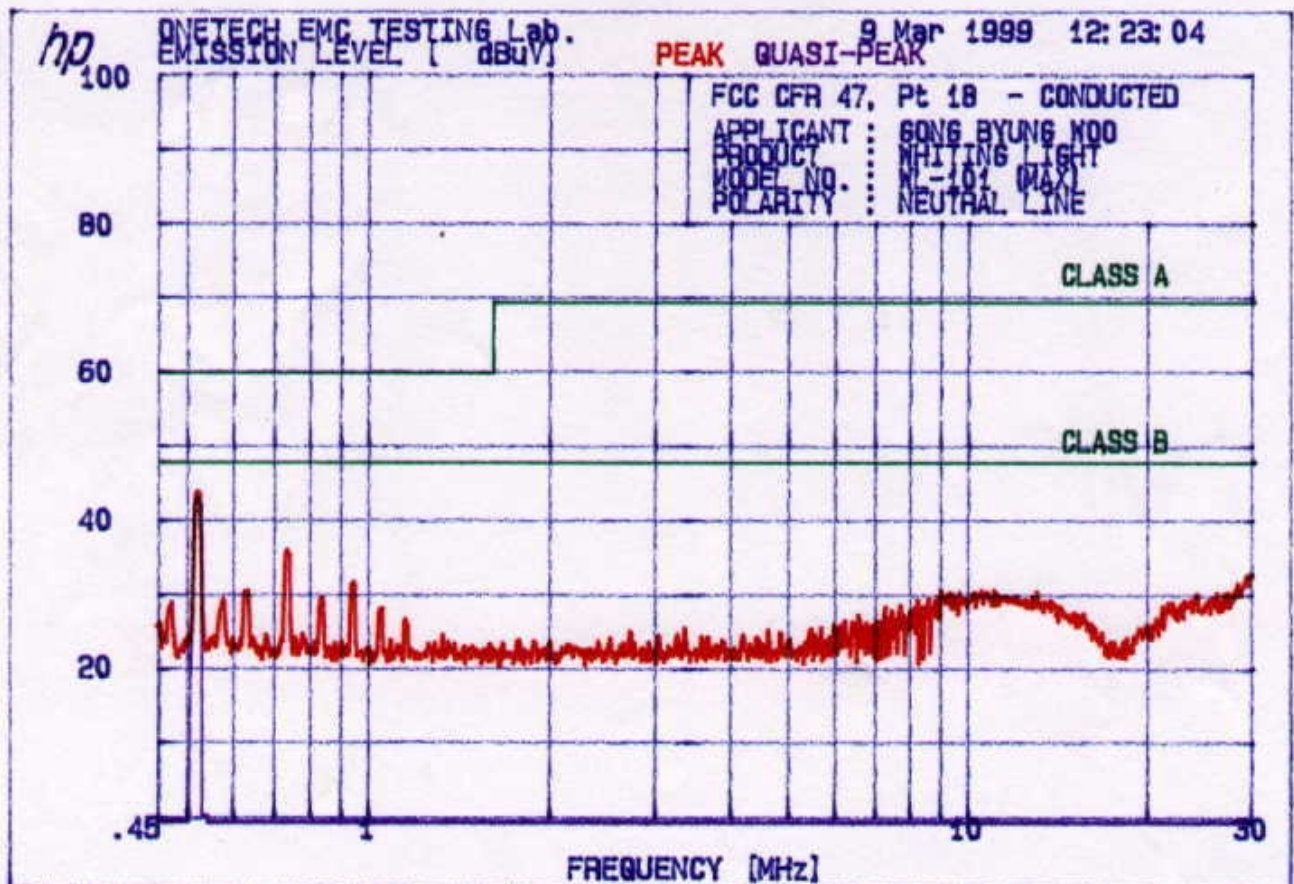
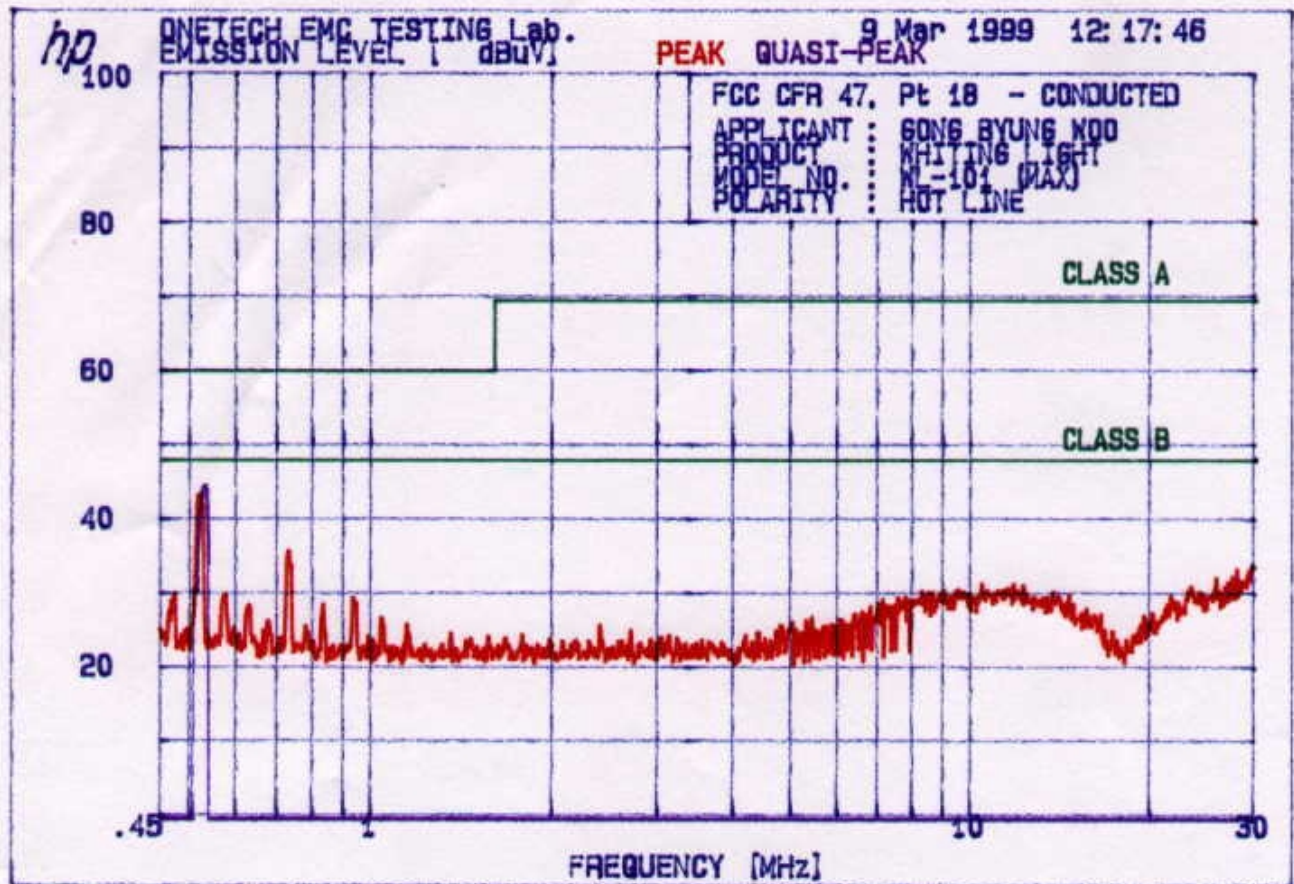
EUT : WHITE LIGHTNING

Date: March 09, 1999

Operating Condition : **High Intensity**

Frequency (MHz)	Amplitude (dBuV)	Detection Mode	Conductor	Limit (dBuV)	Margin (dB)
0.52	44.3	Quasi-Peak	Hot	48.0	-3.70
0.74	36.1	Peak	Neutral	48.0	-11.90
0.95	31.8	Peak	Neutral	48.0	-16.20
9.0	30.8	Peak	Neutral	48.0	-17.20
10.73	30.4	Peak	Neutral	48.0	-17.60
29.75	34.5	Peak	Hot	48.0	-13.50

Line Conducted Emissions Tabulated Data



12.3 Radiated Emission Tests

The following table shows the highest levels of radiated emissions on both polarization of horizontal and vertical.

Limits apply to : FCC CFR 47, PART 18, SUBPART C

Type of Tests : CONSUMER EQUIPMENT

Result : PASSED BY -3.65dB

EUT : WHITE LIGHTNING

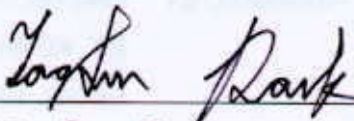
Date: March 09, 1999

Operating Condition : **Low Intensity**

Distance : 3 Meter

Freq. (MHz)	Amp. (dBuV)	Detection Mode	Ant Pol.	Ant. (dB/m)	Cable (dB)	Total. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
42.80	22.80	Peak	V	10.43	2.76	35.99	40.00	-4.01
61.35	23.50	Quasi-Peak	V	9.85	3.00	36.35	40.00	-3.65
81.62	18.90	Peak	V	6.73	3.23	28.86	40.00	-11.14
108.44	14.50	Peak	V	13.48	3.50	31.48	43.50	-12.02
110.00	13.9	Peak	V	13.89	3.50	31.29	43.50	-12.21
145.28	13.10	Peak	V	13.24	4.00	30.34	43.50	-13.16

Radiated Emissions Tabulated Data


Measuring by : Tag Sun, Park / Project Engineer

12.3 Radiated Emission Tests

The following table shows the highest levels of radiated emissions on both polarization of horizontal and vertical.

Limits apply to : FCC CFR 47, PART 18, SUBPART C

Type of Tests : CONSUMER EQUIPMENT

Result : PASSED BY -4.21dB

EUT : WHITE LIGHTNING

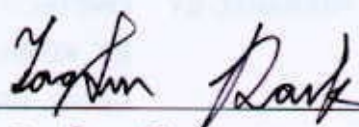
Date: March 09, 1999

Operating Condition : **High Intensity**

Distance : 3 Meter

Freq. (MHz)	Amp. (dBuV)	Detection Mode	Ant Pol.	Ant. (dB/m)	Cable (dB)	Total. (dBuV/m)	Limit (dBuV/m)	Margin (dB)
42.80	22.60	Peak	V	10.43	2.76	35.79	40.00	-4.21
60.60	22.70	Quasi-Peak	V	10.02	3.00	35.72	40.00	-4.28
81.62	16.90	Peak	V	6.73	3.23	26.86	40.00	-13.14
108.44	14.20	Peak	V	13.48	3.50	31.18	43.50	-12.32
110.00	15.0	Peak	V	13.89	3.50	32.39	43.50	-11.11
145.28	12.40	Peak	V	13.24	4.00	29.64	43.50	-13.86

Radiated Emissions Tabulated Data


 Measuring by : Tag Sun, Park / Project Engineer