APPLICANT	MANUFACTURER
X-10 USA, Inc. 19823, 58th Place S. Kent, WA 98032	X-10 Electronics Shenzhen Co. Ltd. X-10 Building Labour Industrial District Shenzhen, Xixiang, Bao An Guang Dong, China, 518102

TEST SPECIFICATION: FCC Rules and Regulations Part 15, Subpart C

TEST PROCEDURE: ANSI C63.4:2000

TEST SAMPLE DESCRIPTION

BRANDNAME: X-10

MODEL: VT42A FCC ID: B4SVT42A

TYPE: 2.4 GHz FM Transmitter

FREQUENCY RANGE: 2400 to 2483.5 MHz

POWER REQUIREMENTS: 9 VDC, derived from a Hon-Kwang, AC Adapter, model D9200

TESTS PERFORMED

- 15.249(a) Radiated Emissions, Fundamental and Harmonics
- 15.294(c) Occupied Bandwidth
- 15.249(c) Radiated Emissions, Spurious Case
- 15.207(a) Conducted Emissions

REPORT OF MEASUREMENTS

Applicant:	X-10 (USA), Inc.
Device:	2.4 GHz Transmitter
FCC ID:	B4SVT42A
Power Requirements:	9 VDC, derived from a Hon-Kwang, AC Adapter, model D9200
Applicable Rule Section:	Part 15, Subpart C, Section 15.249

TEST RESULTS

15.207(a): The radio frequency voltage that was conducted back on to the AC power line on any frequency/frequencies within the bandwidth of 450kHz to 30MHz did not exceed 250 microvolts.

15.249(a): The unit operates in the 2.4 to 2.4835 GHz band at 4 frequencies as follows:
Channel A: 2411 MHz Channel B: 2.434 MHz
Channel C: 2454 MHz Channel D: 2471 MHz
Field strength readings were taken at 3 frequencies (low, middle and high) because the device operates over a range greater than 10 MHz.
The field strength of the fundamental did not exceed 50 milliV/M AVERAGE. The field strength of the harmonics did not exceed 500 microV/M AVERAGE.

15.249(b): Field strength readings were taken at three meters unless otherwise noted.

15.249(c): Emissions radiated outside band edges were greater than 50 dB below the specified the level of the fundamental or met the general radiated emission requirements of 15.209(a), whichever provided the lesser attenuation.

15.249(d): The peak field strength of any emission did not exceed the maximum permitted average field strength by more than 20dB under any condition of modulation.

EXHIBIT 4

Radiated Emissions, Fundamental & Harmonics, Spurious Case

Para. 15.249(a)

EXHIBIT 4

Spurious Emissions

Para. 15.249(c)

EXHIBIT 4

Occupied Bandwidth

Para. 15.249(c)

EXHIBIT 4

Conducted Emissions

Para. 15.207(a)

EQUIPMENT LISTS

FCC Part 15, Subpart C Radiated Emissions, Paragraph 15.249

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
067	Open Area Test Site	Retlif	3 Meter	RNY	09/20/2000	09/20/2003
128	Double Ridged Guide	Electro-Mechanics	1 GHz - 18 GHz	3105	06/07/2002	06/07/2003
129D	High Gain Horn Antenna	Microlab/FXR	12.4 GHz - 18 GHz	Y638A	09/25/2002	09/25/2003
129F	High Gain Horn Antenna	Microlab/FXR	18 GHz - 26.5 GHz	K638A	09/11/2002	09/11/2003
133	Broadband Pre-Amplifier	Electro-Metrics	10 kHz - 1 GHz, 26dB	BPA-1000	06/11/2002	06/11/2003
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	01/23/2003	07/23/2003
141A	Graphics Plotter	Hewlett Packard	N/A	7470A	03/05/2002	03/05/2003
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	01/23/2003	07/23/2003
206B	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	FP-50 - 6 dB	06/11/2002	06/11/2003
420	Amplifier	Hewlett Packard	2.0 GHz - 18 GHz	11975A	09/09/2002	09/09/2003
421	Harmonic Mixer	Hewlett Packard	18 GHz - 26.5 GHz	11970K	09/29/2000	09/29/2003
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	07/11/2002	07/11/2003
767	Biconilog	EMCO	26 - 2000 MHz	3142B	09/03/2002	09/03/2003

FCC 15.207(a) Conducted Emissions, Class B 150 kHz to 30 MHz

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
076	LISN	Solar Electronics	10 kHz - 30 MHz	8012-50-R-24BNC	2/1/2002	2/1/2003
456	LISN	Solar Electronics	DC - 60 Hz	9409-50-R-24	8/21/2002	8/21/2003
512	Graphics Plotter	Hewlett Packard	N/A	7470A	11/19/2002	11/19/2003
7016	EMC Analyzer	Hewlett Packard	9kHz - 1.8GHz	8591EM	5/30/2002	5/30/2003
7017	Transient Limiter	Hewlett Packard	9kHz - 200MHz	11947A	4/12/2002	4/12/2003

Test Setup Photographs