APPLICANT	MANUFACTURER
X-10 USA, Inc. 19823, 58th Place S. Kent, WA 98032	X-10 Electronics (Shenzhen) Co. Ltd. Together Rich Industrial Park B Sanwei Industrial District, Xixiang Town Baoan County, Shenzhen, China

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

TEST PROCEDURE: ANSI C63.4:2003

TEST SAMPLE DESCRIPTION

BRANDNAME: X-10

MODEL: AT13A FCC ID: B4SAT13A

TYPE: 924.5 MHz (FM) Transmitter

FREQUENCY RANGE: 902 to 928 MHz

POWER REQUIREMENTS: 1.2 VDC (1) AAA HR03 Rechargeable Battery

TESTS PERFORMED

- 15.249(a) Radiated Emissions, Fundamental and Harmonics
- 15.249(c) Band Edge Verification
- 15.249(c) Radiated Emissions, Spurious Case

REPORT OF MEASUREMENTS

Applicant:	X-10 (USA), Inc.
Device:	924.8 MHz (FM) Transmitter
FCC ID:	B4SAT13A
Power Requirements:	1.2 VDC (1) AAA HR03 Rechargeable Battery
Applicable Rule Section:	Part 15, Subpart C, Section 15.249

TEST RESULTS

15.249(a): The unit operates in the 902 to 928 MHz band at 924.8 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

Para. 15.249(a)

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions 15.249(a)		
Customer:	X-10 Wireless Technology, Inc.	**Job No.**	R-10955-1
Test Sample:	924.8 MHz Transmitter	**Paragraph:**	15.249
Model No.:	AT13A	**FCC ID:**	B4SAT13A
Operating Mode:	Continuously Transmitting a 924.8MHz signal		
Technician:	R. Soodoo	**Date:**	June 03, 2005.

Notes: Test Distance: 3 Meters
Detector: Peak, unless otherwise specified

Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Avg. Limit
MHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
924.8	V / 1.0	X	67.7	8.3	76.0	6309.6	50000
|	V / 1.0	Y	64.5	8.3	72.8	4365.2	|
|	V / 1.0	Z	66.7	8.3	75.0	5623.4	|
|	H / 1.0	X	60.9	8.4	69.3	2917.4	|
|	H / 1.5	Y	58.4	8.4	66.8	2187.8	|
924.8	H / 1.0	Z	62.0	8.4	70.4	3311.3	50000
1849.6	V / 1.5	X	51.7	-7.7	44.0	158.5	500
|	V / 1.5	Y	49.5	-7.7	41.8	123.0	|
|	V / 1.5	Z	48.0	-7.7	40.3	103.5	|
|	H / 1.5	X	47.8	-5.1	42.7	136.5	|
|	H / 1.5	Y	46.6	-5.1	41.5	118.9	|
1849.6	H / 1.5	Z	48.3	-5.1	43.2	144.5	500
2774.4	V / 1.0	X	42.8	-2.2	40.6	*107.2	500
|	V / 1.0	Y	42.8	-2.2	40.6	*107.2	|
|	V / 1.0	Z	42.8	-2.2	40.6	*107.2	|
|	H / 1.0	X	43.3	-1.9	41.4	*117.5	|
|	H /1.0	Y	43.3	-1.9	41.4	*117.5	|
2774.4	H / 1.0	Z	43.3	-1.9	41.4	*117.5	500
3699.2	V / 1.0	X	42.2	1.2	43.4	*147.9	500
|	V / 1.0	Y	42.2	1.2	43.4	*147.9	|
|	V / 1.0	Z	42.2	1.2	43.4	*147.9	|
|	H / 1.0	X	42.0	1.8	43.8	*154.9	|
|	H / 1.0	Y	42.0	1.8	43.8	*154.9	|
3699.2	H /1.0	Z	42.0	1.8	43.8	*154.9	500
4624.0	V / 1.0	X	43.0	2.9	45.9	*197.2	500
|	V / 1.0	Y	43.0	2.9	45.9	*197.2	|
|	V / 1.0	Z	43.0	2.9	45.9	*197.2	|
|	H / 1.0	X	42.5	3.1	45.6	*190.5	|
|	H / 1.0	Y	42.5	3.1	45.6	*190.5	|
4624.0	H / 1.0	Z	42.5	3.1	45.6	*190.5	500
	The Frequency Range was scanned from the first to the tenth harmonic. All emissions not reported herein are at least 20 dB below the specified limit.						
	***=Noise Floor Measurements (Minimum system sensitivity)**						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions 15.249(a)		
Customer:	X-10 Wireless Technology, Inc.	**Job No.**	10955-1
Test Sample:	924.8 MHz Transmitter	**Paragraph:**	15.249
Model No.:	AT13A	**FCC ID:**	B4SAT13A
Operating Mode:	Continuously Transmitting a 924.8MHz signal		
Technician:	R. Soodoo	**Date:**	June 03, 2005.

Notes: Test Distance: 3 Meters
Detector: Peak, unless otherwise specified

Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Avg. Limit
MHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
5548.8	V / 1.0	X	40.8	4.9	45.7	*192.8	500
|	V / 1.0	Y	40.8	4.9	45.7	*192.8	|
|	V / 1.0	Z	40.8	4.9	45.7	*192.8	|
|	H / 1.0	X	40.9	5.3	46.2	*204.2	|
|	H / 1.0	Y	40.9	5.3	46.2	*204.2	|
5548.8	H / 1.0	Z	40.9	5.3	46.2	*204.2	500
6473.6	V / 1.0	X	34.1	8.0	42.1	*127.4	500
|	V /1.0	Y	34.1	8.0	42.1	*127.4	|
|	V / 1.0	Z	34.1	8.0	42.1	*127.4	|
|	H / 1.0	X	34.0	9.1	43.1	*142.9	|
|	H / 1.0	Y	34.0	9.1	43.1	*142.9	|
6473.6	H / 1.0	Z	34.0	9.1	43.1	*142.9	500
7398.4	V / 1.0	X	34.1	6.7	40.8	*109.6	500
|	V / 1.0	Y	34.1	6.7	40.8	*109.6	|
|	V / 1.0	Z	34.1	6.7	40.8	*109.6	|
|	H / 1.0	X	34.0	7.5	41.5	*118.9	|
|	H / 1.0	Y	34.0	7.5	41.5	*118.9	|
7398.4	H / 1.0	Z	34.0	7.5	41.5	*118.9	500
8323.2	V / 1.0	X	34.8	7.7	42.5	*133.4	500
|	V / 1.0	Y	34.8	7.7	42.5	*133.4	|
|	V / 1.0	Z	34.8	7.7	42.5	*133.4	|
|	H / 1.0	X	34.0	8.3	42.3	*130.3	|
|	H / 1.0	Y	34.0	8.3	42.3	*130.3	|
8323.2	H / 1.0	Z	34.0	8.3	42.3	*130.3	500
9248.0	V / 1.0	X	34.8	8.7	43.5	*149.6	500
|	V / 1.0	Y	34.8	8.7	43.5	*149.6	|
|	V / 1.0	Z	34.8	8.7	43.5	*149.6	|
|	H / 1.0	X	34.0	9.6	43.6	*151.4	|
|	H / 1.0	Y	34.0	9.6	43.6	*151.4	|
9248.0	H / 1.0	Z	34.0	9.6	43.6	*151.4	500

The Frequency Range was scanned from the first to the tenth harmonic. All emissions not reported herein are at least 20 dB below the specified limit. The EUT complies with the applicable limit.

***=Noise Floor Measurements (Minimum system sensitivity)**

EXHIBIT 4

Radiated Emissions, Spurious Emissions

Para. 15.249(c)

Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.249(c) Retest.		
Customer:	X-10 Wireless Technology, Inc	**Job No.**	R10955-1
Test Sample:	924.8 MHz Transmitter	**FCC ID:**	B4SAT13A
Model No.:	AT13A	**Serial No.:**	N/A
Operating Mode:	Continuously Transmitting a 924.8MHz signal		
Technician:	R. Soodoo	**Date:**	June 03, 2005.

Notes: Test Distance: 3 Meters Temp: 22.2°C Humidity: 38%
Detector: Quasi-Peak from 30 MHz to 1 GHz, Peak above 1 GHz

Frequency	Antenna Position	EUT Orientation	Meter Readings	Correction Factor	Corrected Reading	Converted Reading	**LIMIT**
MHz	(V/H) /	Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
30							100
88							100
88							150
216							150
216							200
960							200
960							500
10000							500

No Emissions Observed at specified test distance

The frequency range was scanned from 30 MHz to 10 GHz.
The emissions observed from the EUT do not exceed the specified limits.
Emissions not recorded were more than 20dB under the specified limit.

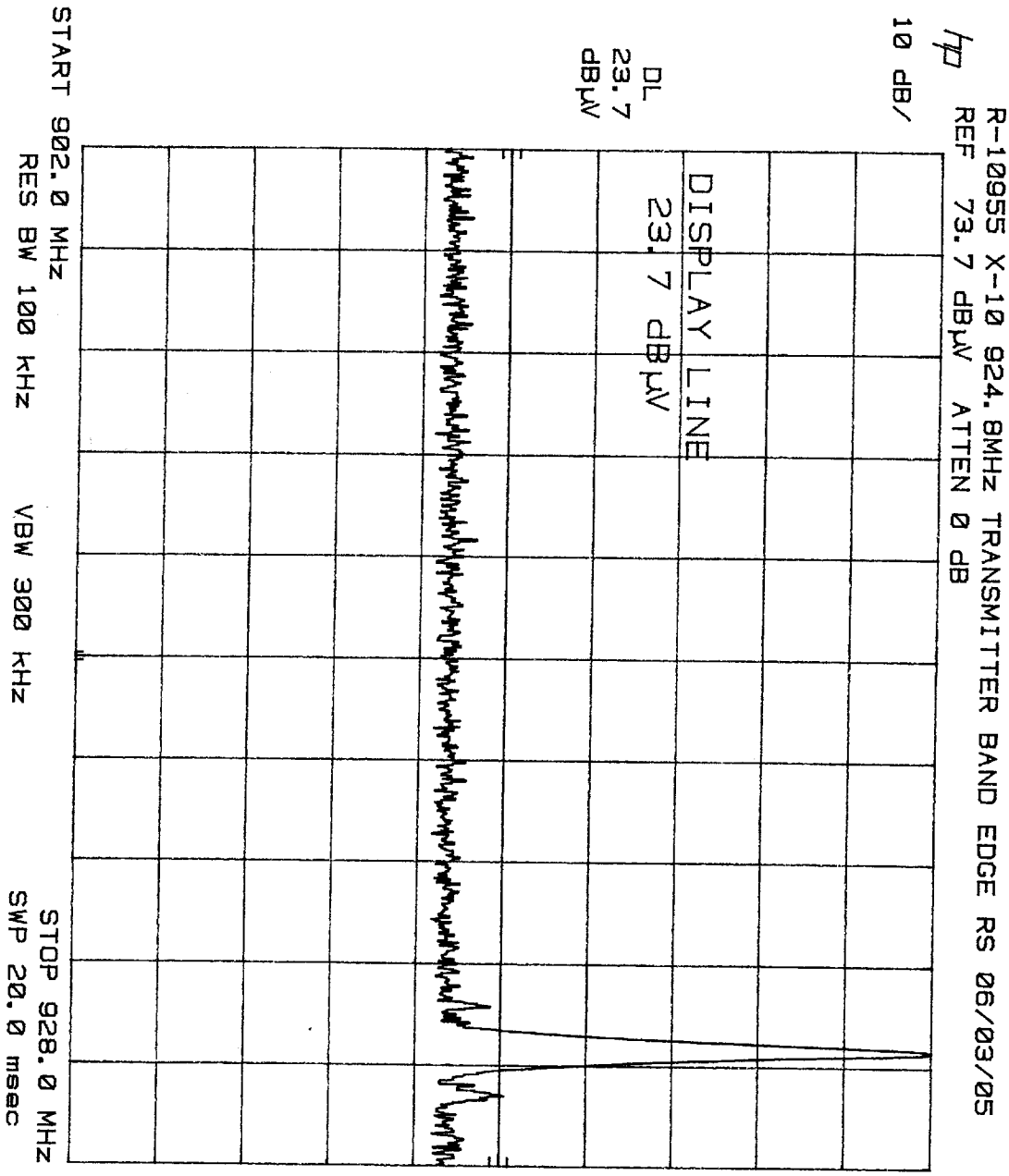
Retlif Testing Laboratories

Retlif Job Number R-10955.1

EXHIBIT 4

Band Edge Verification

Para. 15.249(c)



Test Method: FCC 15.249 Band Edge verification (902MHz to 928MHz)
Note: EUT is within the 50dBc of the band edge.

Customer	X-10 Wireless Technology, Inc.	
Test Sample	924.8 MHz Transmitter	
Model Number	AT13A	
Date: June 03, 2005.	Tech: R. Soodoo	Sheet 1 of 1

Retlif Testing Laboratories

EQUIPMENT LIST

FCC Part 15 Subpart C, Radiated Emissions, Fundamental and Harmonics 15.249(a)

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due
067	Open Area Test Site	Retlif	3 Meter	RNY	10/1/2003	10/1/2006
128	Double Ridged Guide	Electro-Mechanics	1 GHz - 18 GHz	3105	3/9/2005	3/9/2006
133	Broadband Pre-Amplifier	Electro-Metrics	10 kHz - 1 GHz, 26dB	BPA-1000	6/12/2004	6/12/2005
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	2/15/2005	8/15/2005
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	2/15/2005	8/15/2005
206B	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	FP-50 - 6 dB	6/12/2004	6/12/2005
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	7/27/2004	7/27/2005
723	H.P. Filter	Mini-Circuits	1 GHz	BHP-1000	7/14/2004	7/14/2005
767	Biconilog	EMCO	26 - 2000 MHz	3142B	10/7/2004	10/7/2005
712B	Cable	Retlif	10 kHz - 18 GHz	R&S Analyzer	1/21/2005	7/21/2006
712C	Cable	Retlif	10 kHz - 18 GHz	R&S Analyzer	1/21/2005	7/21/2006

EQUIPMENT LIST

FCC 15.249, 902MHz to 928MHz Band Edge

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	2/15/2005	8/15/2005
141A	Graphics Plotter	Hewlett Packard	N/A	7470A	2/9/2005	2/9/2006
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	2/15/2005	8/15/2005

EQUIPMENT LIST

FCC Part 15 Subpart C, Spurious Case Radiated Emissions 15.249(c) Retest

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due
067	Open Area Test Site	Retlif	3 Meter	RNY	10/1/2003	10/1/2006
128	Double Ridged Guide	Electro-Mechanics	1 GHz - 18 GHz	3105	3/9/2005	3/9/2006
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	2/15/2005	8/15/2005
141A	Graphics Plotter	Hewlett Packard	N/A	7470A	2/9/2005	2/9/2006
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	7/27/2004	7/27/2005
723	H.P. Filter	Mini-Circuits	1 GHz	BHP-1000	7/14/2004	7/14/2005
767	Biconilog	EMCO	26 - 2000 MHz	3142B	10/7/2004	10/7/2005