

Technical Information

Applicant	Manufacturer
Name: X10 (USA), Inc.	Name: X-10 Electronics (Shenzhen) Co. Ltd.
Address: Blackriver Corporate Park 620 Naches Ave SW, Building A	Address: Together Rich Industrial Park B Sanwei Industrial District, Xixiang Town
City, State, Zip: Renton, WA 98057	City, State, Zip: Baoan County, Shenzhen, China

Test Specification: FCC Rules and Regulations Part 15, Subpart C, Para. 15.231

Test Procedure: ANSI C63.4:2003

Test Sample Description

Test Sample:	Key Finder and Remote Control Locator
Brandname:	X10 (USA), Inc.
Model Number:	FXD-27
FCC ID:	B4SFXD-27
Type:	Pulsed Transmitter/ UHF ASK
Power Requirements:	3V CR2032 battery
Frequency of Operation:	433.8 MHz
Applicable Rule Section:	Part 15, Subpart C, Section 15.231

Tests Performed

Transmitter: Para. 15.231(a), Radiated Emissions, Fundamental and Harmonics

Transmitter: Para. 15.231(b), Radiated Emissions, Spurious Case

Transmitter: Para. 15.231(b), Duty Cycle Determination

Transmitter: Para. 15.231(c), Occupied Bandwidth

Receiver: Para. 15.109(a) Receiver Radiated Spurious Emissions

Test Results

Transmitter:

- 15.231 (a): This device transmits a control signal and is used as an: remote control transmitter.
- 15.231 (a)(1) The transmitter is manually operated. Transmission ends within 5 seconds of deactivation.
- 15.231 (a)(3): The transmitter does not perform periodic transmissions or the transmitter performs periodic transmissions at predetermined intervals greater than 1 hour apart and are shorter than 1 second in duration.
- 15.231 (b): The fundamental field strength did not exceed 10991.7 $\mu\text{V/M}$ (Average) at a test distance of 3 meters. In addition, the requirements of section 15.35 for averaging pulsed emissions and for limiting peak emissions were met. The field strength of harmonic and spurious emissions did not exceed 1099.1 $\mu\text{V/M}$ (AVERAGE).
- 15.231 (c) The Bandwidth of the emission was no wider than 0.25% of the center frequency 52 kHz as measured 20 db down from the modulated carrier.

Receiver:

- 15.109(a): The field strength of spurious radiated emissions did not exceed Class B limits specified in paragraph 15.109(a).

Determination of Field Strength Limits

The field strength limits shown below are found in Section 15.231:

Frequency		Limit	
F1 =	260	3750 =	L1
Fo =	<u>433.8 MHz</u>		Lo
F2 =	470	12500 =	L2

The formula below was utilized to determine the limits:

$$\text{Limit} = L1 + [(Fo-F1)(L2-L1)/(F2-F1)]$$

Solving Yields

$$\text{Fundamental Limit} = \underline{10991.7} \text{ } \mu\text{V/M (AVERAGE) @ 3 Meters}$$

$$\text{Harmonic Limit} = \underline{1099.1} \text{ } \mu\text{V/M (AVERAGE) @ 3 Meters}$$

Duty Cycle Determination

The unit's RF output was directly coupled to the input of the spectrum analyzer. The analyzer was set for a frequency span of 0 Hz. The sweep time was then adjusted in order to display one full pulse train. The transmitter on time was then summed and compared to the time for one full cycle in order to obtain the duty cycle. (See plots for additional information.)

$$\text{Transmitter On Time} = \underline{62.7} \text{ milliseconds (maximum per cycle)}$$

$$\text{Transmitter Cycle Time} = \underline{117.0} \text{ milliseconds (100 ms maximum)}$$

$$\text{Transmitter Duty Cycle} = \underline{62.7} \%$$

Calculation

$$1 \text{ Large Pulse} = \underline{1.14} \text{ milliseconds}$$

$$\underline{55.0} \times \underline{1.14} = \underline{62.7} \text{ milliseconds}$$

$$\text{Duty Cycle (} 62.7 / 100) * 100 = \underline{0.627} \%$$

$$\text{Correction Factor} = 20 \log \underline{(0.627)} = \underline{-4.0} \text{ dB}$$

Spectrum Analyzer Desensitization Considerations

Due to the nature of the emissions being measured, care was taken to ensure that the resolution bandwidth of the spectrum analyzer was adequate to provide accurate measurements. The following formula was utilized: $\text{minimum bandwidth} = 1 / \{\text{minimum pulse width (in seconds)} \times 1.5\} = \text{Hz}$. Setting pulse desensitization equal to zero and utilizing the minimum observed pulse width of 1.14 μs yields a minimum required bandwidth of 584.8 Hz. FCC specified bandwidths of 100 kHz and 1 MHz were utilized below and above 1 GHz, respectively.

General Notes

1. All readings were taken utilizing a peak detector function at a test distance of 3 meters.
2. The duty cycle was applied to the peak readings in order to determine the average value of the emissions.
3. The frequency range was scanned from 30 MHz to 4.34 GHz. All emissions not reported were more than 20 dB below the specified limit.
4. The Receiver was tested per "ANSI STANDARD C63.4-2003 12.1.1.2. The receiver was programmed for normal receiver mode. Normal mode is defined as the unit energized continuously for 10 ms, then off for 2.4 seconds.

Certification and Signatures

We certify that this report is a true representation of the results obtained from the tests of the equipment stated. We further certify that the measurements shown in this report were made in accordance with the procedures indicated and vouch for the qualifications of all Retlif Testing Laboratories personnel taking them.

Donald C. Lerner
EMC Test Engineer

Nicholas Dragotta
EMC Laboratory Supervisor

Non-Warranty Provision

The testing services have been performed, findings obtained and reports prepared in accordance with generally accepted laboratory principles and practices. This warranty is in lieu of all others, either expressed or implied.

Non-Endorsement

This test report contains only findings and results arrived at after employing the specific test procedures and standards listed herein. It is not intended to constitute a recommendation, endorsement or certification of the product or material tested. This test report must not be used by the client to claim product endorsement by NVLAP, NIST or any agency of the U.S. Government.

Equipment List

FCC Part 15, Radiated Emissions

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
067	Open Area Test Site	Retlif	3/10 Meter	RNY	9/12/2006	9/12/2009
128	Double Ridged Guide	Electro-Mechanics	1 GHz - 18 GHz	3105	3/27/2007	3/27/2008
133	Broadband Pre-Amplifier	Electro-Metrics	10 kHz - 1 GHz, 26dB	BPA-1000	6/27/2006	6/27/2007
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	4/27/2007	4/27/2008
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	4/27/2007	4/27/2008
206B	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	FP-50 - 6 dB	6/27/2006	6/27/2007
512	Graphics Plotter	Hewlett Packard	N/A	7470A	10/18/2006	10/18/2007
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	9/9/2005	9/9/2007
617	Interference Analyzer	Electro-Metrics	10 kHz - 1 GHz	EMC-30	6/13/2007	6/13/2008
723	H.P. Filter	Mini-Circuits	1 GHz	BHP-1000	8/7/2006	8/7/2007
767	Biconilog	EMCO	26 - 2000 MHz	3142B	10/12/2006	10/12/2007

Duty Cycle Determination and Occupied Bandwidth

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
067	Open Area Test Site	Retlif	3/10 Meter	RNY	9/12/2006	9/12/2009
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	4/27/2007	4/27/2008
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	4/27/2007	4/27/2008
512	Graphics Plotter	Hewlett Packard	N/A	7470A	10/18/2006	10/18/2007

FCC Part 15 Subpart C, Radiated Emissions, Fundamental & Harmonic Emissions
Transmitter Test Data

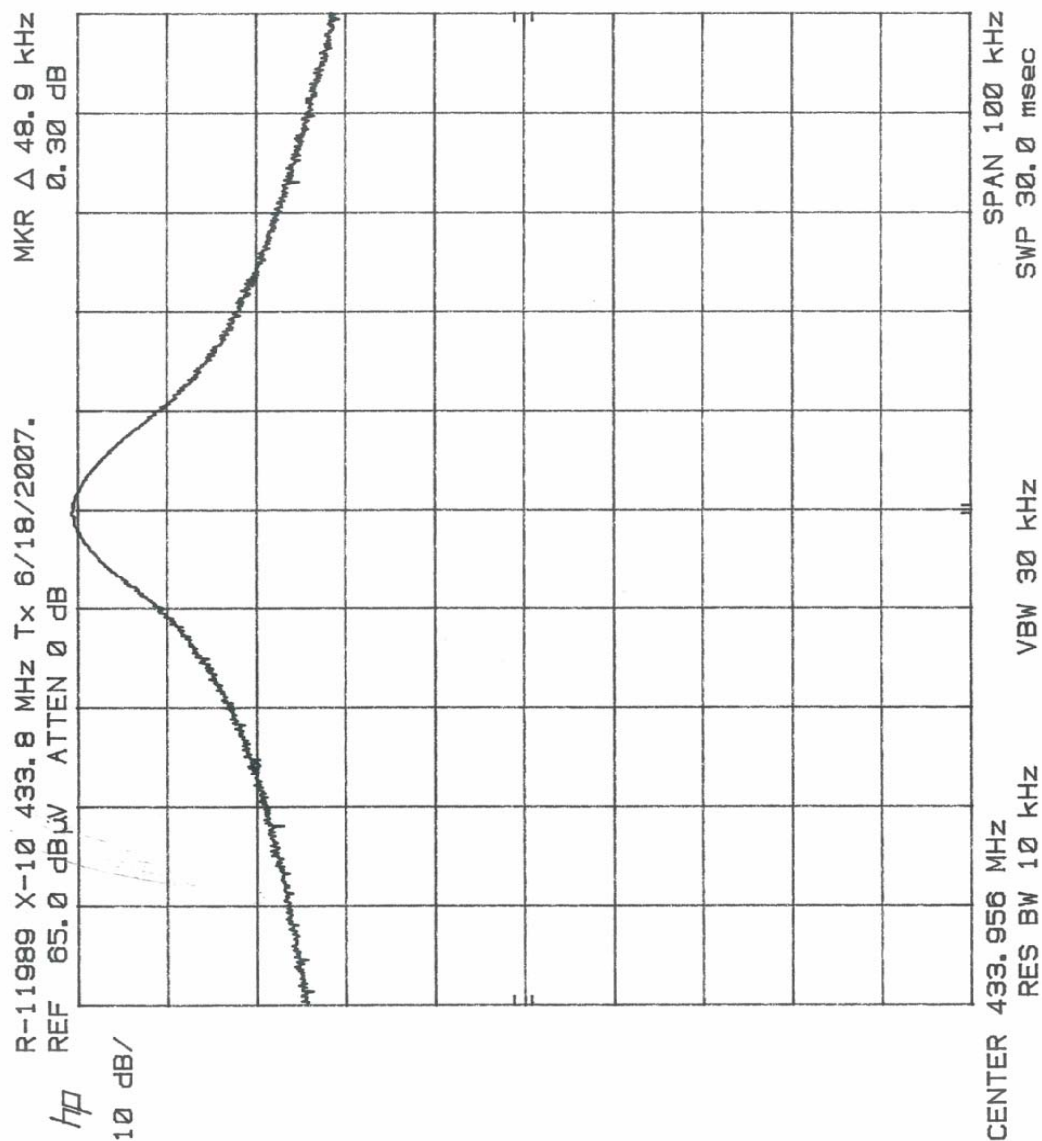
Test Method:	FCC Part 15 Subpart C, Radiated Emissions, Fundamental & Harmonic Emissions, Paragraph						
Customer:	X-10 (USA), Inc.				Job No.	R-11989-1	
Test Sample:	Key Finder & Remote Control Locator						
Model No.:	FXD-27				FCC ID:	B4SFXD-27	
Operating Mode:	Continuously transmitting a Pulsed 433.8 MHz signal.						
Technician:	R. Soodoo				Date:	June 18-19, 2007.	
Notes:	Test Distance: 3 Meters Detector: Peak, Unless otherwise specified						
Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Peak Limit
MHz	(V/H)/Meters	X / Y / Z	dBμV	dB	dBμV/m	uV/m	uV/m
433.8	V / 2.8	X	48.0	-0.2	47.8	245.5	109917.0
	V / 1.0	Y	64.6	-0.2	64.4	1659.6	
	V / 1.0	Z	64.0	-0.2	63.8	1548.8	
	H / 2.2	X	57.9	-0.2	57.7	767.4	
	H / 1.5	Y	58.0	-0.2	57.8	776.2	
433.8	H / 2.8	Z	57.9	-0.2	57.7	767.4	109917.0
867.6	V / 1.5	X	32.6	8.8	41.4	117.5	10991.7
	V / 1.2	Y	42.3	8.8	51.1	358.9	
	V / 1.0	Z	40.2	8.8	49.0	281.8	
	H / 1.2	X	40.0	8.8	48.8	275.4	
	H / 1.0	Y	34.6	8.8	43.4	147.9	
867.6	H / 1.0	Z	31.5	8.8	40.3	103.5	10991.7
1301.4	V / 1.0	X	43.6	1.5	45.1	179.9	5000.0
	V / 1.0	Y	47.7	1.5	49.2	288.4	
	V / 1.0	Z	41.2	1.5	42.7	136.5	
	H / 1.0	X	39.0	1.5	40.5	*105.9	
	H / 1.0	Y	39.0	1.5	40.5	*105.9	
1301.4	H / 1.0	Z	39.0	1.5	40.5	*105.9	5000.0
1735.2	V / 1.0	X	44.3	2.2	46.5	*211.3	10991.7
	V / 1.0	Y	44.3	2.2	46.5	*211.3	
	V / 1.0	Z	44.3	2.2	46.5	*211.3	
	H / 1.0	X	44.0	2.2	46.2	*204.2	
	H / 1.0	Y	44.0	2.2	46.2	*204.2	
1735.2	H / 1.0	Z	44.0	2.2	46.2	*204.2	10991.7
2169.0	V / 1.0	X	44.4	3.6	48.0	*251.2	10991.7
	V / 1.0	Y	44.4	3.6	48.0	*251.2	
	V / 1.0	Z	44.4	3.6	48.0	*251.2	
	H / 1.0	X	44.4	3.6	48.0	*251.2	
	H / 1.0	Y	44.4	3.6	48.0	*251.2	
2169.0	H / 1.0	Z	44.4	3.6	48.0	*251.2	10991.7
	The frequency range was scanned from 30 MHz to 4.34 GHz. All emissions not recorded were more than 20 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
	*= Noise Floor Measurements (minimum sensitivity).						

Test Method:	FCC Part 15 Subpart C, Radiated Emissions, Fundamental & Harmonic Emissions,						
Customer:	X-10 (USA), Inc.				Job No.	R-11989-1	
Test Sample:	Key Finder & Remote Control Locator						
Model No.:	FXD-27				FCC ID:	B4SFXD-27	
Operating Mode:	Continuously transmitting a Pulsed 433.8 MHz signal.						
Technician:	R. Soodoo				Date:	June 18-19, 2007.	
Notes:	Test Distance: 3 Meters Detector: Peak, unless otherwise specified						
Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Peak Limit
MHz	(V/H)-Meters	X / Y / Z	dBµV	dB	dBµV/m	uV/m	uV/m
2602.8	V / 1.0	X	44.3	5.0	49.3	*291.7	10991.7
	V / 1.0	Y	44.3	5.0	49.3	*291.7	
	V / 1.0	Z	44.3	5.0	49.3	*291.7	
	H / 1.0	X	44.3	5.0	49.3	*291.7	
	H / 1.0	Y	44.3	5.0	49.3	*291.7	
2602.8	H / 1.0	Z	44.3	5.0	49.3	*291.7	10991.7
3036.6	V / 1.0	X	44.3	7.1	51.4	*371.5	10991.7
	V / 1.0	Y	44.3	7.1	51.4	*371.5	
	V / 1.0	Z	44.3	7.1	51.4	*371.5	
	H / 1.0	X	44.3	7.1	51.4	*371.5	
	H / 1.0	Y	44.3	7.1	51.4	*371.5	
3036.6	H / 1.0	Z	44.3	7.1	51.4	*371.5	10991.7
3470.4	V / 1.0	X	44.3	9.6	53.9	*495.5	10991.7
	V / 1.0	Y	44.3	9.6	53.9	*495.5	
	V / 1.0	Z	44.3	9.6	53.9	*495.5	
	H / 1.0	X	44.3	9.6	53.9	*495.5	
	H / 1.0	Y	44.3	9.6	53.9	*495.5	
3470.4	H / 1.0	Z	44.3	9.6	53.9	*495.5	10991.7
3904.2	V / 1.0	X	34.1	12.8	46.9	**221.3	5000.0
	V / 1.0	Y	34.1	12.8	46.9	**221.3	
	V / 1.0	Z	34.1	12.8	46.9	**221.3	
	H / 1.0	X	34.1	12.8	46.9	**221.3	
	H / 1.0	Y	34.1	12.8	46.9	**221.3	
3904.2	H / 1.0	Z	34.1	12.8	46.9	**221.3	5000.0
4338.0	V / 1.0	X	35.3	13.2	48.5	**266.1	5000.0
	V / 1.0	Y	35.3	13.2	48.5	**266.1	
	V / 1.0	Z	35.3	13.2	48.5	**266.1	
	H / 1.0	X	35.3	13.2	48.5	**266.1	
	H / 1.0	Y	35.3	13.2	48.5	**266.1	
4338.0	H / 1.0	Z	35.3	13.2	48.5	**266.1	5000.0
	The frequency range was scanned from 30 MHz to 4.34 GHz. All emissions not recorded were more than 20 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
	*=Noise Floor Measurements (Minimum system sensitivity) ** RBW = 100 kHz						

Test Method:	FCC Part 15 Subpart C, Radiated Emissions, Fundamental & Harmonic Emissions,						
Customer:	X-10 (USA), Inc.				Job No.	R-11989-1	
Test Sample:	Key Finder & Remote Control Locator						
Model No.:	FXD-27				FCC ID:	B4SFXD-27	
Operating Mode:	Continuously transmitting a Pulsed 433.8 MHz signal.						
Technician:	R. Soodoo				Date:	June 18-19, 2007.	
Notes:	Test Distance: 3 Meters				Duty Cycle: 62.7%		
	Detector: Peak, unless otherwise specified				Duty Cycle Correction: -4.0dB		
Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Avg. Limit
MHz	(V/H)-Meters	X / Y / Z	dBµV	dB	dBµV/m	uV/m	uV/m
433.8	V / 1.0	X	47.8	-4.0	43.8	154.9	10991.7
	V / 1.0	Y	64.4	-4.0	60.4	1047.1	
	V / 1.0	Z	63.8	-4.0	59.8	977.2	
	H / 1.0	X	57.7	-4.0	53.7	484.2	
	H / 1.0	Y	57.8	-4.0	53.8	489.8	
433.8	H / 1.0	Z	57.7	-4.0	53.7	484.2	10991.7
867.6	V / 1.0	X	41.4	-4.0	37.4	74.1	1099.1
	V / 1.0	Y	51.1	-4.0	47.1	226.5	
	V / 1.0	Z	49.0	-4.0	45.0	177.8	
	H / 1.0	X	48.8	-4.0	44.8	173.8	
	H / 1.0	Y	43.4	-4.0	39.4	93.3	
867.6	H / 1.0	Z	40.3	-4.0	36.3	65.3	1099.1
1301.4	V / 1.0	X	45.1	-4.0	41.1	113.5	500.0
	V / 1.0	Y	49.2	-4.0	45.2	182.0	
	V / 1.0	Z	42.7	-4.0	38.7	86.1	
	H / 1.0	X	40.5	-4.0	36.5	*66.8	
	H / 1.0	Y	40.5	-4.0	36.5	*66.8	
1301.4	H / 1.0	Z	40.5	-4.0	36.5	*66.8	500.0
1735.2	V / 1.0	X	46.5	-4.0	42.5	*133.4	1099.1
	V / 1.0	Y	46.5	-4.0	42.5	*133.4	
	V / 1.0	Z	46.5	-4.0	42.5	*133.4	
	H / 1.0	X	46.2	-4.0	42.2	*128.8	
	H / 1.0	Y	46.2	-4.0	42.2	*128.8	
1735.2	H / 1.0	Z	46.2	-4.0	42.2	*128.8	1099.1
2169.0	V / 1.0	X	48.0	-4.0	44.0	*158.5	1099.1
	V / 1.0	Y	48.0	-4.0	44.0	*158.5	
	H / 1.0	Z	48.0	-4.0	44.0	*158.5	
	H / 1.0	X	48.0	-4.0	44.0	*158.5	
	H / 1.0	Y	48.0	-4.0	44.0	*158.5	
2169.0	V / 1.0	Z	48.0	-4.0	44.0	*158.5	1099.1
	The frequency range was scanned from 30 MHz to 4.34 GHz. All emissions not recorded were more						
	Than 20 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
	*=Noise Floor Measurements (Minimum system sensitivity)						

Test Method:	FCC Part 15 Subpart C, Radiated Emissions, Fundamental & Harmonic Emissions,						
Customer:	X-10 (USA), Inc.				Job No.	R-11989-1	
Test Sample:	Key Finder & Remote Control Locator						
Model No.:	FXD-27				FCC ID:	B4SFXD-27	
Operating Mode:	Continuously transmitting a Pulsed 433.8 MHz signal.						
Technician:	R. Soodoo				Date:	June 18-19, 2007.	
Notes:	Test Distance: 3 Meters				Duty Cycle: 62.7%		
	Detector: Peak, unless otherwise specified				Duty Cycle Correction: -4.0dB		
Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Avg. Limit
MHz	(V/H)-Meters	X / Y / Z	dBµV	dB	dBµV/m	uV/m	uV/m
2602.8	V / 1.0	X	49.3	-4.0	45.3	*184.1	1099.1
	V / 1.0	Y	49.3	-4.0	45.3	*184.1	
	V / 1.0	Z	49.3	-4.0	45.3	*184.1	
	H / 1.0	X	49.3	-4.0	45.3	*184.1	
	H / 1.0	Y	49.3	-4.0	45.3	*184.1	
2602.8	H / 1.0	Z	49.3	-4.0	45.3	*184.1	1099.1
3036.6	V / 1.0	X	51.4	-4.0	47.4	*234.4	1099.1
	V / 1.0	Y	51.4	-4.0	47.4	*234.4	
	V / 1.0	Z	51.4	-4.0	47.4	*234.4	
	H / 1.0	X	51.4	-4.0	47.4	*234.4	
	H / 1.0	Y	51.4	-4.0	47.4	*234.4	
3036.6	H / 1.0	Z	51.4	-4.0	47.4	*234.4	1099.1
3470.4	V / 1.0	X	53.9	-4.0	49.9	*312.6	1099.1
	V / 1.0	Y	53.9	-4.0	49.9	*312.6	
	V / 1.0	Z	53.9	-4.0	49.9	*312.6	
	H / 1.0	X	53.9	-4.0	49.9	*312.6	
	H / 1.0	Y	53.9	-4.0	49.9	*312.6	
3470.4	H / 1.0	Z	53.9	-4.0	49.9	8312.6	1099.1
3904.2	V / 1.0	X	46.9	-4.0	42.9	**139.6	500.0
	V / 1.0	Y	46.9	-4.0	42.9	**139.6	
	V / 1.0	Z	46.9	-4.0	42.9	**139.6	
	H / 1.0	X	46.9	-4.0	42.9	**139.6	
	H / 1.0	Y	46.9	-4.0	42.9	**139.6	
3904.2	H / 1.0	Z	46.9	-4.0	42.9	**139.6	500.0
4338.0	V / 1.0	X	48.5	-4.0	44.5	**167.9	500.0
	V / 1.0	Y	48.5	-4.0	44.5	**167.9	
	V / 1.0	Z	48.5	-4.0	44.5	**167.9	
	H / 1.0	X	48.5	-4.0	44.5	**167.9	
	H / 1.0	Y	48.5	-4.0	44.5	**167.9	
4338.0	H / 1.0	Z	48.5	-4.0	44.5	**167.9	500.0
	The frequency range was scanned from 30 MHz to 4.34 GHz. All emissions not recorded were more						
	Than 20 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
	*=Noise Floor Measurements (Minimum system sensitivity) ** RBW = 100 kHz						

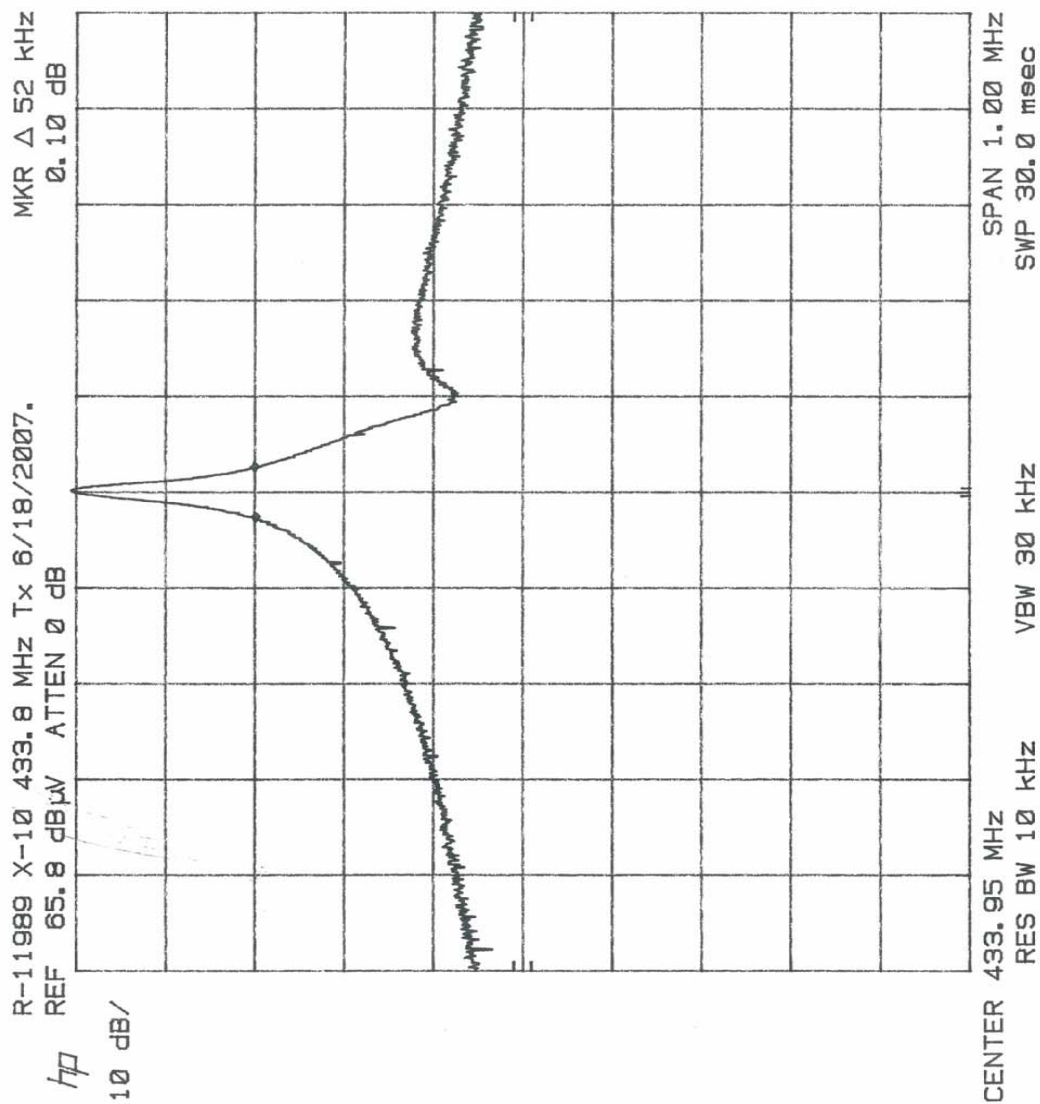
FCC Part 15, Subpart C, Occupied Bandwidth
Transmitter Test Data



Test Method: FCC Part 15, Subpart C, 15.231(c), Occupied Bandwidth.

Notes: Occupied Bandwidth measured 48.9 kHz, does not exceed 0.25% of center frequency at the 20 dBc points (1.08 MHz)

Customer	X-10 (USA), Inc.	
Test Sample	Key Finder & Remote Control Locator	
Model Number	FXD-27	FCC ID: B4SFXD-27
Date: 6-18-2007	Tech: R.S.	Sheet 1 of 2

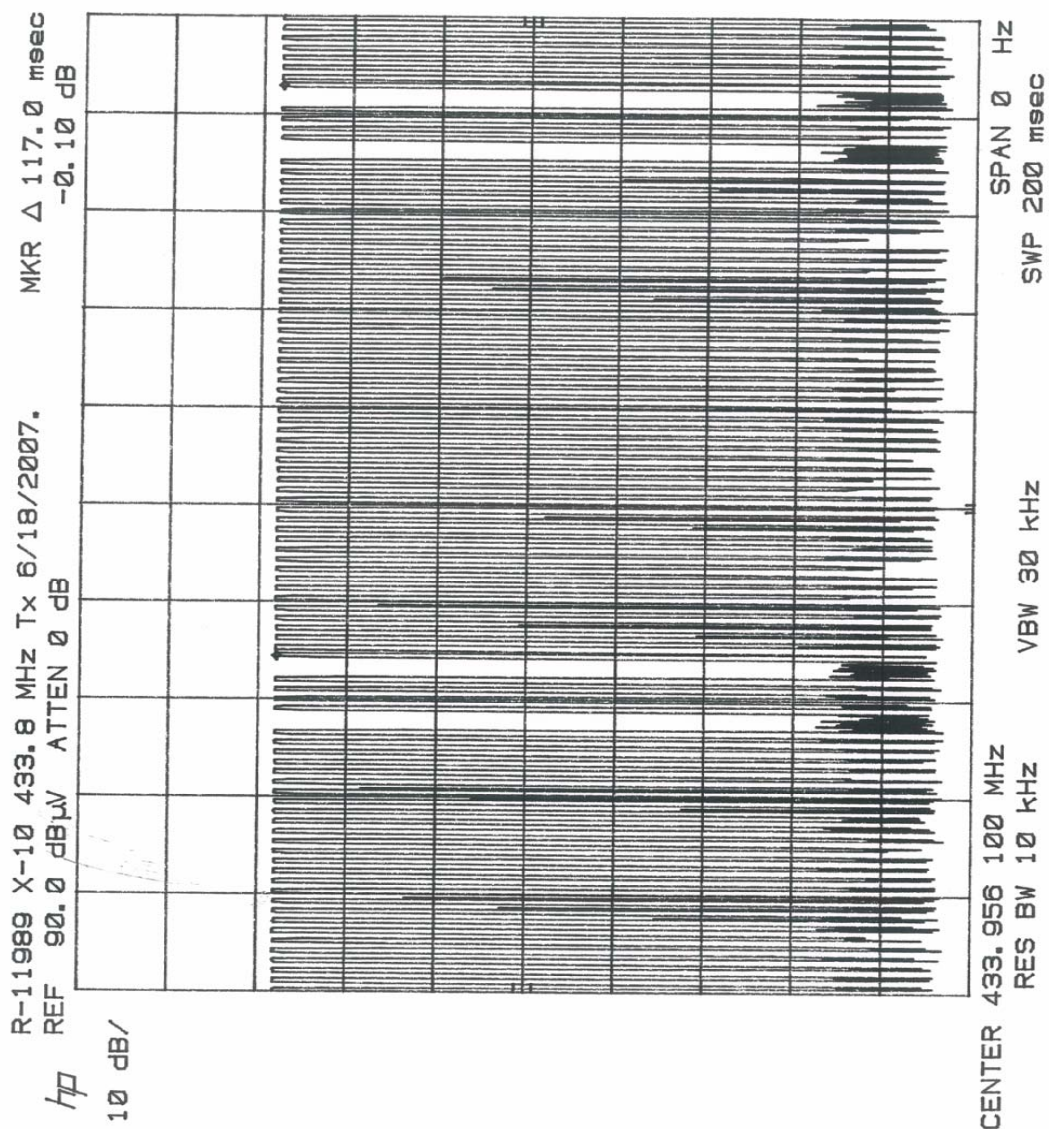


Test Method: FCC Part 15, Subpart C, 15.231(c), Occupied Bandwidth.

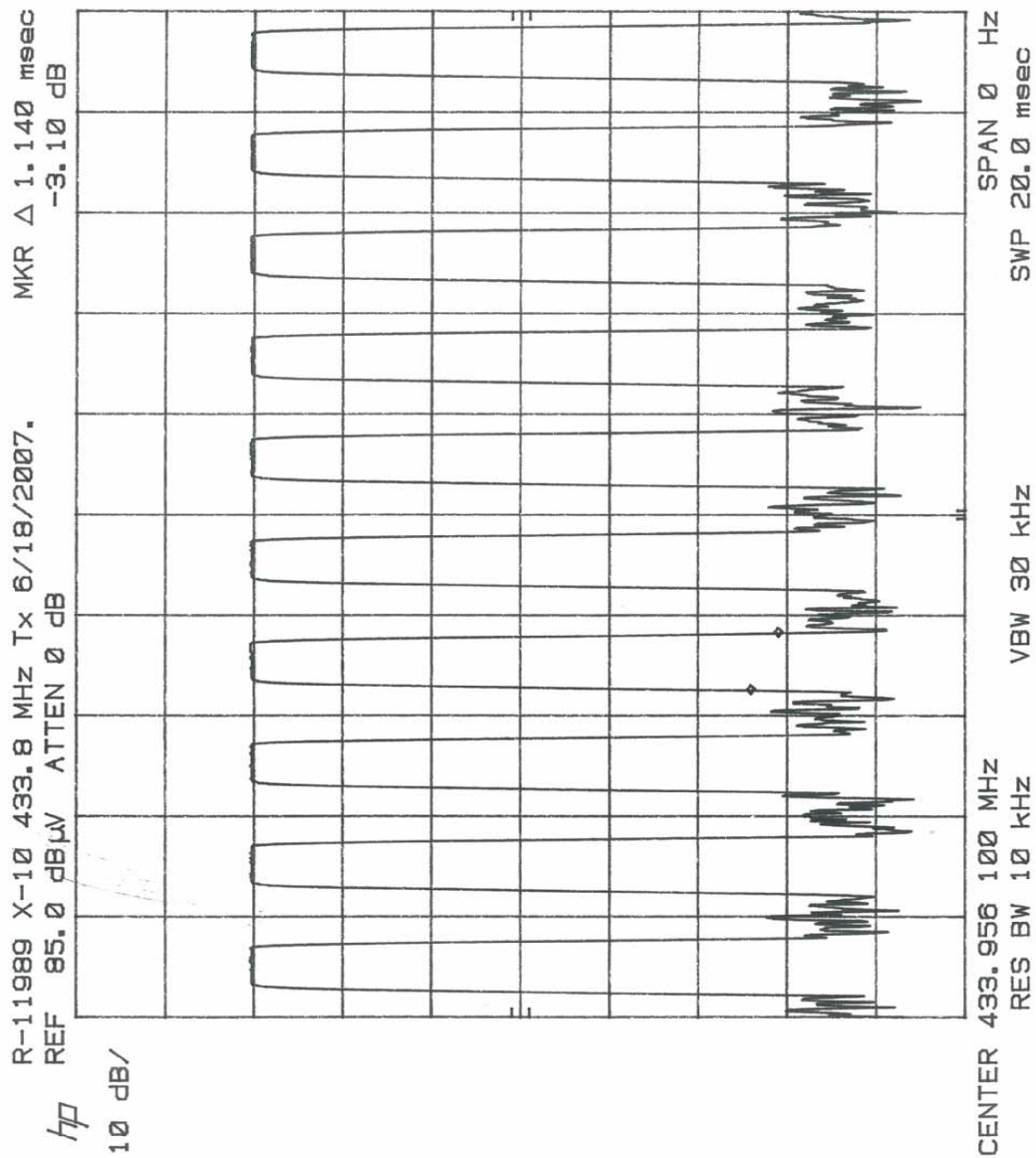
Notes: Occupied Bandwidth measured 52.0 kHz, does not exceed 0.25% of center frequency at the 20 dBc points (1.08 MHz)

Customer	X-10 (USA), Inc.	
Test Sample	Key Finder & Remote Control Locator	
Model Number	KFD-27	FCC ID: B4SFXD-27
Date: 6-18-2007	Tech: R.S.	Sheet 2 of 2

FCC Part 15, Subpart C, Duty Cycle Determination
Transmitter Test Data



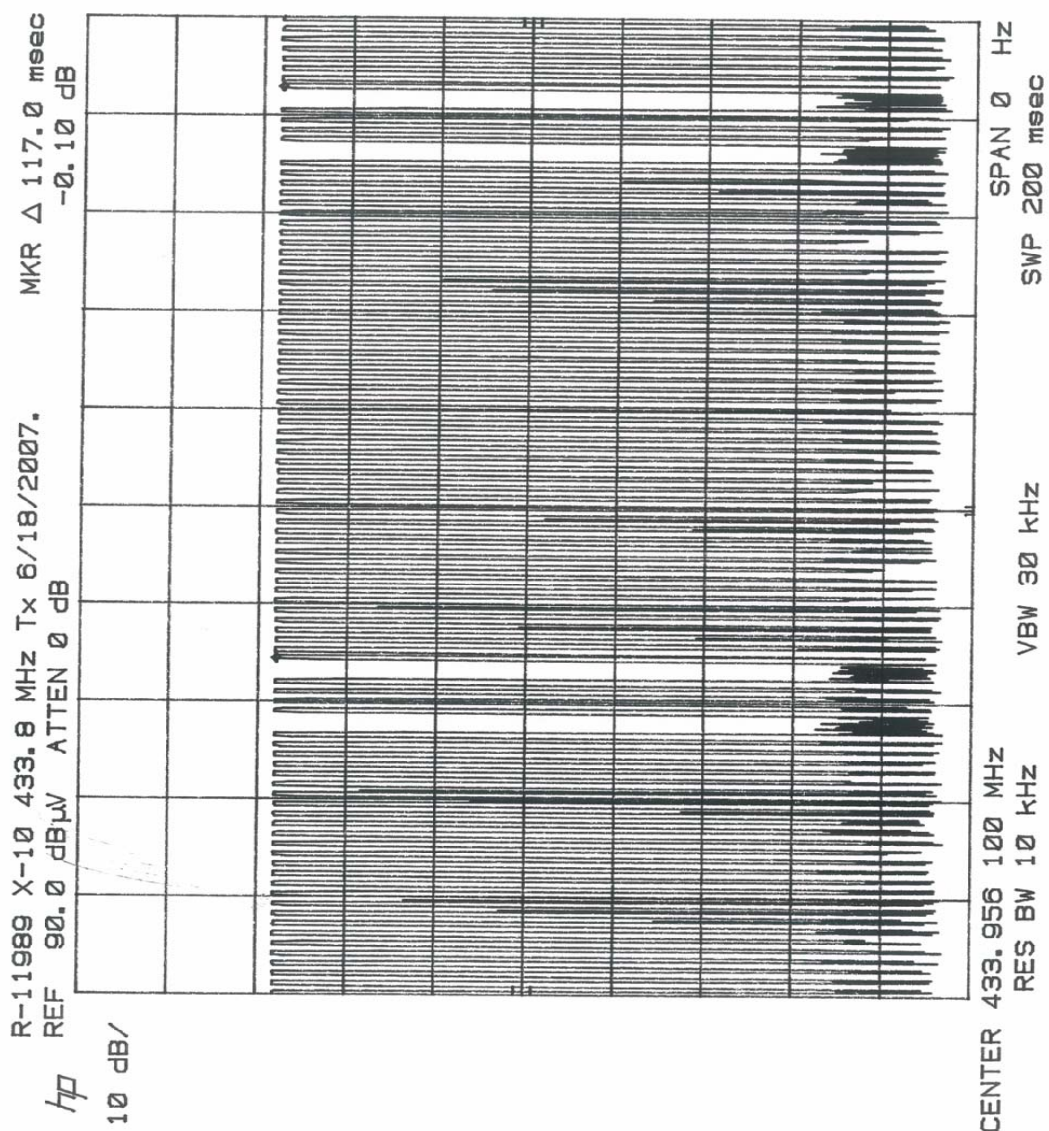
Customer	X-10 (USA), Inc		
Test Sample	Key Finder & Remote Control Locator		
Model Number	FXD-27		FCC ID: B4SFXD-27
Date: 6-18-2007	Tech: R.S.	Sheet 1 of 3	



Test Method: FCC Part 15.35, Duty Cycle Determination.

Notes: Measurement of 1 Large pulse = 1.14 mSec.

Customer	X-10 (USA), Inc		
Test Sample	Key Finder & Remote Control Locator		
Model Number	FXD-27	FCC ID: B4SFXD-27	
Date: 6-18-2007	Tech: R.S.	Sheet 2 of 3	



Test Method: FCC Part 15.35, Duty Cycle Determination.

Notes: Duty cycle = (55)(1.14 mSec) = 62.7mSec.

Duty cycle = (62.7mSec / 100=0.627) 20 log 0.627 = -4.0 dB

Customer	X-10 (USA), Inc	
Test Sample	Key Finder & Remote Control Locator	
Model Number	FXD-27	FCC ID: B4SFXD-27
Date: 6-18-2007	Tech: R.S.	Sheet 3 of 3

FCC Part 15 Subpart C, Spurious Case Radiated Emissions
Transmitter Test Data

Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.209(a).						
Customer:	X-10 (USA), Inc.			Job No.	R-11989-1		
Test Sample:	Key Finder & Remote Control Locator						
Model No.:	FXD-27			FCC ID:	B4SFXD-27		
Operating Mode:	Continuously sending a Pulsed 433.8 MHz signal.						
Technician:	R. Soodoo			Date:	June 19, 2007.		
Notes:	Test Distance: 3 Meters		Temp: 29°C		Humidity: 51%		
	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	dBµV	dB	dBµV/m	µV /m	µV /m
30.00							100
88.00							100
88.00		No emissions observed at the specified test distance					150
216.0							150
216.0							200
960.0							200
960.0							500
4340.0							500
	The frequency range was scanned from 30 MHz to 4.34 GHz.						
	The emissions observed from the EUT do not exceed the specified limits.						
	Emissions not recorded were more than 20dB under the specified limit.						

FCC Part 15 Subpart C, Spurious Case Radiated Emissions
Receiver Test Data

[illegible]