

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions						
Customer:	X-10 Wireless Technology, Inc.				Job No.	R10947-4	
Test Sample:	Pulsed 433.95 MHz Transmitter				Paragraph:	15.231	
Model No.:	K24945				FCC ID :	B4SK24945	
Operating Mode:	Continuously Transmitting a pulsed 433.95 MHz signal						
Technician:	R. Soodoo				Date:	May 23, 2005.	
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	dBuV	dB	dBuV/m	uV/m	uV/m
433.95	V / 1.0	X	54.0	-1.0	53.0	446.7	110000
	V / 1.0	Y	71.0	-1.0	70.0	3162.3	
	V / 1.0	Z	72.2	-1.0	71.2	3630.8	
	H / 2.0	X	66.2	-0.5	65.7	1927.5	
	H / 1.0	Y	68.0	-0.5	67.5	2371.4	
433.95	H / 1.0	Z	65.6	-0.5	65.1	1798.9	110000
867.90	V / 1.5	X	38.6	7.4	46.0	199.5	11000
	V / 1.25	Y	43.1	7.4	50.5	335.0	
	V / 1.0	Z	44.8	7.4	52.2	407.4	
	H / 1.0	X	45.0	7.1	52.1	402.7	
	H / 1.0	Y	41.1	7.1	48.2	257.0	
867.90	H / 1.0	Z	37.4	7.1	44.5	167.9	11000
1301.85	V / 1.0	X	30.4	3.9	34.3	*51.9	5000
	V / 1.0	Y	36.8	3.9	40.7	108.4	
	V / 1.0	Z	36.0	3.9	39.9	98.9	
	H / 1.0	X	35.3	4.2	39.5	94.4	
	H / 1.0	Y	33.0	4.2	37.2	72.4	
1301.85	H / 1.0	Z	35.1	4.2	39.3	92.3	5000
1735.8	V / 1.0	X	30.9	9.3	40.2	*102.3	11000
	V / 1.0	Y	30.9	9.3	40.2	*102.3	
	V / 1.0	Z	30.9	9.3	40.2	*102.3	
	H / 1.0	X	30.9	10.4	41.3	*116.1	
	H / 1.0	Y	30.9	10.4	41.3	*116.1	
1735.80	H / 1.0	Z	30.9	10.4	41.3	*116.1	11000
2169.75	V / 1.0	X	27.9	14.2	42.1	*127.4	11000
	V / 1.0	Y	27.9	14.2	42.1	*127.4	
	V / 1.0	Z	27.9	14.2	42.1	*127.4	
	H / 1.0	X	27.9	14.9	42.8	*138.0	
	H / 1.0	Y	28.2	14.9	43.1	*142.9	
2169.75	H / 1.0	Z	28.2	14.9	43.1	*142.9	11000
	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)						



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Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Peak Limit
MHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
2603.7	V / 1.0	X	28.2	15.6	43.8	*154.9	11000
	V /1.0	Y	28.2	15.6	43.8	*154.9	
	V / 1.0	Z	28.2	15.6	43.8	*154.9	
	H / 1.0	X	28.2	15.8	44.0	*158.5	
	H /1.0	Y	28.2	15.8	44.0	*158.5	
2603.7	H /1.0	Z	28.2	15.8	44.0	*158.5	11000
3037.65	V / 1.0	X	27.4	17.6	45.0	*177.8	11000
	V /1.0	Y	27.4	17.6	45.0	*177.8	
	V / 1.0	Z	27.4	17.6	45.0	*177.8	
	H / 1.0	X	28.7	17.2	45.9	*197.2	
	H /1.0	Y	28.7	17.2	45.9	*197.2	
3037.65	H /1.0	Z	28.7	17.2	45.9	*197.2	11000
3471.6	V / 1.0	X	27.4	21.5	48.9	*278.6	11000
	V /1.0	Y	27.4	21.5	48.9	*278.6	
	V / 1.0	Z	27.4	21.5	48.9	*278.6	
	H / 1.0	X	27.9	22.3	50.2	*323.6	
	H /1.0	Y	27.9	22.3	50.2	*323.6	
3471.6	H /1.0	Z	27.9	22.3	50.2	*323.6	11000
3905.55	V / 1.0	X	27.4	28.4	55.8	*616.6	5000
	V /1.0	Y	27.4	28.4	55.8	*616.6	
	V / 1.0	Z	27.4	28.4	55.8	*616.6	
	H / 1.0	X	25.9	29.0	54.9	*555.9	
	H /1.0	Y	25.9	29.0	54.9	*555.9	
3905.55	H /1.0	Z	25.9	29.0	54.9	*555.9	5000
4339.5	V /1.0	X	27.4	28.0	55.4	*588.8	5000
	V /1.0	Y	27.4	28.0	55.4	*588.8	
	V / 1.0	Z	27.4	28.0	55.4	*588.8	
	H / 1.0	X	27.6	31.0	58.6	*851.1	
	H /1.0	Y	27.6	31.0	58.6	*851.1	
4339.5	H /1.0	Z	27.6	31.0	58.6	*851.1	5000
	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.						
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Operating Mode:	Continuously Transmitting a pulsed 433.95 MHz signal						
Technician:	R. Soodoo				Date:	May 23, 2005.	
Notes:	Test Distance: 3 Meters				Duty Cycle: 0.573%		
	Detector: Peak, unless otherwise specified				Duty Cycle Correction: -4.8 dB		
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
433.95	V / 1.0	X	53.0	-4.8	48.2	257.0	11000
	V / 1.0	Y	70.0	-4.8	65.2	1819.7	
	V / 1.0	Z	71.2	-4.8	66.4	2089.3	
	H / 2.0	X	65.7	-4.8	60.9	1109.2	
	H / 1.0	Y	67.5	-4.8	62.7	1364.6	
433.95	H / 1.0	Z	65.1	-4.8	60.3	1035.1	11000
867.90	V / 1.5	X	46.0	-4.8	41.2	114.8	1100
	V / 1.25	Y	50.5	-4.8	45.7	192.8	
	V / 1.0	Z	52.2	-4.8	47.4	234.4	
	H / 1.0	X	52.1	-4.8	47.3	231.7	
	H / 1.0	Y	48.2	-4.8	43.4	147.9	
867.90	H / 1.0	Z	44.5	-4.8	39.7	96.6	1100
1301.85	V / 1.0	X	34.3	-4.8	29.5	*29.9	500
	V / 1.0	Y	40.7	-4.8	35.9	62.4	
	V / 1.0	Z	39.9	-4.8	35.1	56.9	
	H / 1.0	X	39.5	-4.8	34.7	54.3	
	H / 1.0	Y	37.2	-4.8	32.4	41.7	
1301.85	H / 1.0	Z	39.3	-4.8	34.5	53.1	500
1735.8	V / 1.0	X	40.2	-4.8	35.4	*58.9	1100
	V / 1.0	Y	40.2	-4.8	35.4	*58.9	
	V / 1.0	Z	40.2	-4.8	35.4	*58.9	
	H / 1.0	X	41.3	-4.8	36.5	*66.8	
	H / 1.0	Y	41.3	-4.8	36.5	*66.8	
1735.80	H / 1.0	Z	41.3	-4.8	36.5	*66.8	1100
2169.75	V / 1.0	X	42.1	-4.8	37.3	*73.3	1100
	V / 1.0	Y	42.1	-4.8	37.3	*73.3	
	V / 1.0	Z	42.1	-4.8	37.3	*73.3	
	H / 1.0	X	42.8	-4.8	38	*79.4	
	H / 1.0	Y	43.1	-4.8	38.3	*82.2	
2169.75	H / 1.0	Z	43.1	-4.8	38.3	*82.2	1100
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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
2603.7	V / 1.0	X	43.8	-4.8	39.0	*89.1	1100
	V /1.0	Y	43.8	-4.8	39.0	*89.1	
	V / 1.0	Z	43.8	-4.8	39.0	*89.1	
	H / 1.0	X	44.0	-4.8	39.2	*91.2	
	H /1.0	Y	44.0	-4.8	39.2	*91.2	
2603.7	H /1.0	Z	44.0	-4.8	39.2	*91.2	1100
3037.65	V / 1.0	X	45.0	-4.8	40.2	*102.3	1100
	V /1.0	Y	45.0	-4.8	40.2	*102.3	
	V / 1.0	Z	45.0	-4.8	40.2	*102.3	
	H / 1.0	X	45.9	-4.8	41.1	*113.5	
	H /1.0	Y	45.9	-4.8	41.1	*113.5	
3037.65	H /1.0	Z	45.9	-4.8	41.1	*113.5	1100
3471.6	V / 1.0	X	48.9	-4.8	44.1	*160.3	1100
	V /1.0	Y	48.9	-4.8	44.1	*160.3	
	V / 1.0	Z	48.9	-4.8	44.1	*160.3	
	H / 1.0	X	50.2	-4.8	45.4	*186.2	
	H /1.0	Y	50.2	-4.8	45.4	*186.2	
3471.6	H /1.0	Z	50.2	-4.8	45.4	*186.2	1100
3905.55	V / 1.0	X	55.8	-4.8	51.0	*354.8	500
	V /1.0	Y	55.8	-4.8	51.0	*354.8	
	V / 1.0	Z	55.8	-4.8	51.0	*354.8	
	H / 1.0	X	54.9	-4.8	50.1	*319.9	
	H /1.0	Y	54.9	-4.8	50.1	*319.9	
3905.55	H /1.0	Z	54.9	-4.8	50.1	*319.9	500
4339.5	V /1.0	X	55.4	-4.8	50.6	*338.8	500
	V /1.0	Y	55.4	-4.8	50.6	*338.8	
	V / 1.0	Z	55.4	-4.8	50.6	*338.8	
	H / 1.0	X	58.6	-4.8	53.8	*489.8	
	H /1.0	Y	58.6	-4.8	53.8	*489.8	
4339.5	H /1.0	Z	58.6	-4.8	53.8	*489.8	500
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