

Test Method:	FCC Part 15 Subpart C Radiated Emissions Paragraph 15.231						
Customer:	X-10 USA			Job No.	R-8255-1		
Test Sample:	Pulsed RF Transmitter			FCC ID:	B4SKR22A		
Model No.:	KR22A			Serial No.	N/A		
Operating Mode:	Continuously Transmitter 310 Mhz Signal						
Technician:	Dennis Cortes			Date:	September 29, 1999		
Notes:	Test Distance: 3 Meters Temp: 28C Humidity:54% Detector: Peak						
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
310.0	H / 1.6	X	68.9	-4.0	64.9	1757.9	58330
310.0	H / 1.4	Y	68.6	-4.0	64.6	1698.2	58330
310.0	H / 1.0	Z	75.4	-4.0	71.4	3715.4	58330
310.0	V / 1.5	X	72.2	-4.0	68.2	2570.4	58330
310.0	V / 1.5	Y	71.5	-4.0	67.5	2371.4	58330
310.0	V / 1.0	Z	55.2	-4.0	51.2	363.1	58330
620.0	H / 1.1	X	46.3	3.2	49.5	298.5	5833
620.0	H / 1.0	Y	55.0	3.2	58.2	812.8	5833
620.0	H / 1.3	Z	52.6	3.2	55.8	616.6	5833
620.0	V / 1.3	X	50.6	3.2	53.8	489.8	5833
620.0	V / 1.0	Y	48.1	3.2	51.3	367.3	5833
620.0	V / 1.0	Z	46.7	3.2	49.9	312.6	5833
930.0	H / 1.0	X	43.3	7.4	50.7	342.8	5833
930.0	H / 1.0	Y	43.3	7.4	50.7	342.8	5833
930.0	H / 1.0	Z	43.3	7.4	50.7	342.8	5833
930.0	V / 1.0	X	43.3	7.4	50.7	342.8	5833
930.0	V / 1.0	Y	43.3	7.4	50.7	342.8	5833
930.0	V / 1.0	Z	43.3	7.4	50.7	342.8	5833
1240.0	H / 1.0	X	43.1	-5.6	37.5	75.0	5000
1240.0	H / 1.4	Y	45.8	-5.6	40.2	102.3	5000
1240.0	H / 1.0	Z	45.8	-5.6	40.2	102.3	5000
1240.0	V / 1.0	X	49.6	-5.6	44.0	158.5	5000
1240.0	V / 1.0	Y	44.5	-5.6	38.9	88.1	5000
1240.0	V / 1.0	Z	46.9	-5.6	41.3	116.1	5000
1550.0	H / 1.0	X	41.4	-4.4	37.0	*70.8	5000
1550.0	H / 1.0	Y	41.4	-4.4	37.0	*70.8	5000
1550.0	H / 1.0	Z	41.4	-4.4	37.0	*70.8	5000
1550.0	V / 1.0	X	41.4	-4.4	37.0	*70.8	5000
1550.0	V / 1.0	Y	41.4	-4.4	37.0	*70.8	5000
1550.0	V / 1.0	Z	41.4	-4.4	37.0	*70.8	5000
	The frequency range was scanned from 30 Mhz to 3.1 Ghz. All emissions not recorded were more						
	Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
	*=Noise Floor Measurements (Minimum system sensitivity)						

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Operating Mode:	Continuously Transmitter 310 Mhz Signal						
Technician:	Dennis Cortes			Date:	September 29, 1999		
Notes:	Test Distance: 3 Meters Temp: 28C Humidity:54% Detector: Quasi-Peak						
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
1860	H / 1.0	X	40.9	-2.4	38.5	*84.1	5580
1860	H / 1.0	Y	40.9	-2.4	38.5	*84.1	5580
1860	H / 1.0	Z	40.9	-2.4	38.5	*84.1	5580
1860	V / 1.0	X	40.9	-2.4	38.5	*84.1	5580
1860	V / 1.0	Y	40.9	-2.4	38.5	*84.1	5580
1860	V / 1.0	Z	40.9	-2.4	38.5	*84.1	5580
2170	H / 1.0	X	40.8	-1.3	39.5	*94.4	5580
2170	H / 1.0	Y	40.8	-1.3	39.5	*94.4	5580
2170	H / 1.0	Z	40.8	-1.3	39.5	*94.4	5580
2170	V / 1.0	X	40.8	-1.3	39.5	*94.4	5580
2170	V / 1.0	Y	40.8	-1.3	39.5	*94.4	5580
2170	V / 1.0	Z	40.8	-1.3	39.5	*94.4	5580
2480	H / 1.0	X	40.5	-0.1	40.4	*104.7	5580
2480	H / 1.0	Y	40.5	-0.1	40.4	*104.7	5580
2480	H / 1.0	Z	40.5	-0.1	40.4	*104.7	5580
2480	V / 1.0	X	40.5	-0.1	40.4	*104.7	5580
2480	V / 1.0	Y	40.5	-0.1	40.4	*104.7	5580
2480	V / 1.0	Z	40.5	-0.1	40.4	*104.7	5580
2790	H / 1.0	X	41.1	1.5	42.6	*134.9	5000
2790	H / 1.0	Y	41.1	1.5	42.6	*134.9	5000
2790	H / 1.0	Z	41.1	1.5	42.6	*134.9	5000
2790	V / 1.0	X	41.1	1.5	42.6	*134.9	5000
2790	V / 1.0	Y	41.1	1.5	42.6	*134.9	5000
2790	V / 1.0	Z	41.1	1.5	42.6	*134.9	5000
3100	H / 1.0	X	41.1	3.5	44.6	*169.8	5580
3100	H / 1.0	Y	41.1	3.5	44.6	*169.8	5580
3100	H / 1.0	Z	41.1	3.5	44.6	*169.8	5580
3100	V / 1.0	X	41.1	3.5	44.6	*169.8	5580
3100	V / 1.0	Y	41.1	3.5	44.6	*169.8	5580
3400	V / 1.0	Z	41.1	3.5	44.6	*169.8	5580
	The frequency range was scanned from 30 Mhz to 3.1 Ghz. All emissions not recorded were more						
	Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
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Technician:	Dennis Cortes			Date:	September 29, 1999		
Notes:	Test Distance: 3 Meters		Duty Cycle: 24.8%				
	Detector: Peak		Duty Cycle Correction: -12.1 dB				
Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit
Mhz	(V/H) / Meters	X / Y / Z	dBuv	dB	dBuV/m	uV/m	uV/m
310.0	H / 1.6	X	64.9	-12.1	52.8	436.5	5580
310.0	H / 1.4	Y	64.6	-12.1	52.5	421.7	5580
310.0	H / 1.0	Z	71.4	-12.1	59.3	922.6	5580
310.0	V / 1.5	X	68.2	-12.1	56.1	638.3	5580
310.0	V / 1.5	Y	67.5	-12.1	55.4	588.8	5580
310.0	V / 1.0	Z	51.2	-12.1	39.1	90.2	5580
620.0	H / 1.1	X	49.5	-12.1	37.4	74.1	500
620.0	H / 1.0	Y	58.2	-12.1	46.1	201.8	500
620.0	H / 1.3	Z	55.8	-12.1	43.7	153.1	500
620.0	V / 1.3	X	53.8	-12.1	41.7	121.6	500
620.0	V / 1.0	Y	51.3	-12.1	39.2	91.2	500
620.0	V / 1.0	Z	49.9	-12.1	37.8	77.6	500
930.0	H / 1.0	X	50.7	-12.1	38.6	85.1	558
930.0	H / 1.0	Y	50.7	-12.1	38.6	85.1	558
930.0	H / 1.0	Z	50.7	-12.1	38.6	85.1	558
930.0	V / 1.0	X	50.7	-12.1	38.6	85.1	558
930.0	V / 1.0	Y	50.7	-12.1	38.6	85.1	558
930.0	V / 1.0	Z	50.7	-12.1	38.6	85.1	558
1240.0	H / 1.0	X	37.5	-12.1	25.4	18.6	500
1240.0	H / 1.4	Y	40.2	-12.1	28.1	25.4	500
1240.0	H / 1.0	Z	40.2	-12.1	28.1	25.4	500
1240.0	V / 1.0	X	44.0	-12.1	31.9	39.4	500
1240.0	V / 1.0	Y	38.9	-12.1	26.8	21.9	500
1240.0	V / 1.0	Z	41.3	-12.1	29.2	28.8	500
1550.0	H / 1.0	X	37.0	-12.1	24.9	*17.6	500
1550.0	H / 1.0	Y	37.0	-12.1	24.9	*17.6	500
1550.0	H / 1.0	Z	37.0	-12.1	24.9	*17.6	500
1550.0	V / 1.0	X	37.0	-12.1	24.9	*17.6	500
1550.0	V / 1.0	Y	37.0	-12.1	24.9	*17.6	500
1550.0	V / 1.0	Z	37.0	-12.1	24.9	*17.6	500
	The frequency range was scanned from 30 Mhz to 3.1 Ghz. All emissions not recorded were more						
	Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
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	Detector: Quasi-Peak		Duty Cycle Correction: -12.1 dB				
Test Freq.	Antenna Pol./Height	EUT Orientation	Peak Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit
Mhz	(V/H) / Meters	X / Y / Z	dBuv	dB	dBuV/m	UV/m	uV/m
1860	H / 1.0	X	38.5	-12.1	26.4	*20.9	558
1860	H / 1.0	Y	38.5	-12.1	26.4	*20.9	558
1860	H / 1.0	Z	38.5	-12.1	26.4	*20.9	558
1860	V / 1.0	X	38.5	-12.1	26.4	*20.9	558
1860	V / 1.0	Y	38.5	-12.1	26.4	*20.9	558
1860	V / 1.0	Z	38.5	-12.1	26.4	*20.9	558
2170	H / 1.0	X	39.5	-12.1	27.4	*23.4	558
2170	H / 1.0	Y	39.5	-12.1	27.4	*23.4	558
2170	H / 1.0	Z	39.5	-12.1	27.4	*23.4	558
2170	V / 1.0	X	39.5	-12.1	27.4	*23.4	558
2170	V / 1.0	Y	39.5	-12.1	27.4	*23.4	558
2170	V / 1.0	Z	39.5	-12.1	27.4	*23.4	558
2480	H / 1.0	X	40.4	-12.1	28.3	*26.0	558
2480	H / 1.0	Y	40.4	-12.1	28.3	*26.0	558
2480	H / 1.0	Z	40.4	-12.1	28.3	*26.0	558
2480	V / 1.0	X	40.4	-12.1	28.3	*26.0	558
2480	V / 1.0	Y	40.4	-12.1	28.3	*26.0	558
2480	V / 1.0	Z	40.4	-12.1	28.3	*26.0	558
2790	H / 1.0	X	42.6	-12.1	30.5	*33.5	500
2790	H / 1.0	Y	42.6	-12.1	30.5	*33.5	500
2790	H / 1.0	Z	42.6	-12.1	30.5	*33.5	500
2790	V / 1.0	X	42.6	-12.1	30.5	*33.5	500
2790	V / 1.0	Y	42.6	-12.1	30.5	*33.5	500
2790	V / 1.0	Z	42.6	-12.1	30.5	*33.5	500
3100	H / 1.0	X	44.6	-12.1	32.5	*42.2	558
3100	H / 1.0	Y	44.6	-12.1	32.5	*42.2	558
3100	H / 1.0	Z	44.6	-12.1	32.5	*42.2	558
3100	V / 1.0	X	44.6	-12.1	32.5	*42.2	558
3100	V / 1.0	Y	44.6	-12.1	32.5	*42.2	558
3100	V / 1.0	Z	44.6	-12.1	32.5	*42.2	558
	The frequency range was scanned from 30 Mhz to 3.1 Ghz. All emissions not recorded were more						
	Than 10 dB below the specified limit. Emissions from the EUT do not exceed the specified limits.						
	*=Noise Floor Measurements (Minimum system sensitivity)						

