

Test Method:	FCC Part 15 Subpart C Radiated Emissions Paragraph 15.231						
Customer:	X-10 (USA)			Job No.			
Test Sample:	Pulsed RF Transmitter			FCC ID:	B4SGB10A		
Model No.:	GB10A			Serial No.	N/A		
Operating Mode:	Continuously Transmitting 310 Mhz Signal						
Technician:	Dennis Cortes			Date:	August 25, 1999		
Notes:	Test Distance: 3 Meters		Temp: 21C	Humidity: 98%			
	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	75.3	-4.0	71.3	3672.8	58330
310.0	H / 1.0	Y	81.7	-4.0	77.7	7673.6	58330
310.0	H / 1.0	Z	85.2	-4.0	81.2	11481.5	58330
310.0	V / 1.5	X	79.9	-4.0	75.9	6237.3	58330
310.0	V / 1.6	Y	81.8	-4.0	77.8	7762.5	58330
310.0	V / 1.0	Z	69.9	-4.0	65.9	1972.4	58330
620.0	H / 1.1	X	49.1	3.2	52.3	412.1	5833
620.0	H / 1.0	Y	51.2	3.2	54.4	524.8	5833
620.0	H / 1.0	Z	52.4	3.2	55.6	602.6	5833
620.0	V / 1.6	X	46.8	3.2	50.0	316.2	5833
620.0	V / 1.6	Y	48.0	3.2	51.2	363.1	5833
620.0	V / 1.0	Z	48.6	3.2	51.8	389.0	5833
930.0	H / 1.0	X	45.7	7.4	53.1	451.9	5833
930.0	H / 1.2	Y	52.7	7.4	60.1	1011.6	5833
930.0	H / 1.0	Z	52.0	7.4	59.4	933.3	5833
930.0	V / 1.0	X	55.9	7.4	63.3	1462.2	5833
930.0	V / 1.0	Y	43.2	7.4	50.6	338.8	5833
930.0	V / 1.2	Z	44.5	7.4	51.9	393.6	5833
1240.0	H / 1.2	X	54.7	-5.6	49.1	285.1	5000
1240.0	H / 1.3	Y	59.6	-5.6	54.0	501.2	5000
1240.0	H / 1.4	Z	60.6	-5.6	55.0	562.3	5000
1240.0	V / 1.4	X	59.3	-5.6	53.7	484.2	5000
1240.0	V / 1.4	Y	53.4	-5.6	47.8	245.5	5000
1240.0	V / 1.6	Z	56.4	-5.6	50.8	346.7	5000
1550.0	H / 1.0	X	50.7	-4.4	46.3	206.5	5000
1550.0	H / 1.0	Y	48.6	-4.4	44.2	162.2	5000
1550.0	H / 1.1	Z	51.2	-4.4	46.8	218.8	5000
1550.0	V / 1.1	X	51.6	-4.4	47.2	229.1	5000
1550.0	V / 1.2	Y	48.9	-4.4	44.5	167.9	5000
1550.0	V / 1.3	Z	48.2	-4.4	43.8	154.9	5000
	The frequency range was scanned from 30 Mhz to 3.1 Ghz.						
	Emissions from the EUT do not exceed the specified limits.						
	NF=Noise Floor Measurements (Minimum system sensitivity)						

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Operating Mode:	Continuously Transmitting 310 Mhz Signal						
Technician:	Dennis Cortes				Date:	August 25, 1999	
Notes:	Test Distance: 3 Meters 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	48.9	-2.4	46.5	211.3	5580
1860	H / 1.4	Y	45.1	-2.4	42.7	136.5	5580
1860	H / 1.3	Z	49.0	-2.4	46.6	213.8	5580
1860	V / 1.5	X	46.6	-2.4	44.2	162.2	5580
1860	V / 1.0	Y	46.9	-2.4	44.5	167.9	5580
1860	V / 1.7	Z	47.8	-2.4	45.4	186.2	5580
2170	H / 1.2	X	49.6	-1.3	48.3	260.0	5580
2170	H / 1.5	Y	45.8	-1.3	44.5	167.9	5580
2170	H / 1.3	Z	55.8	-1.3	54.5	530.9	5580
2170	V / 1.0	X	48.3	-1.3	47.0	223.9	5580
2170	V / 1.0	Y	52.3	-1.3	51.0	354.8	5580
2170	V / 1.2	Z	52.8	-1.3	51.5	375.8	5580
2480	H / 1.0	X	44.7	-0.1	44.6	169.8	5580
2480	H / 1.1	Y	49.1	-0.1	49.0	281.8	5580
2480	H / 1.1	Z	52.0	-0.1	51.9	393.6	5580
2480	V / 1.0	X	50.2	-0.1	50.1	319.9	5580
2480	V / 1.0	Y	44.2	-0.1	44.1	160.3	5580
2480	V / 1.7	Z	50.5	-0.1	50.4	331.1	5580
2790	H / 1.2	X	44.6	1.5	46.1	201.8	5000
2790	H / 1.2	Y	44.9	1.5	46.4	208.9	5000
2790	H / 1.1	Z	47.0	1.5	48.5	266.1	5000
2790	V / 1.2	X	43.7	1.5	45.2	182.0	5000
2790	V / 1.4	Y	43.2	1.5	44.7	171.8	5000
2790	V / 1.3	Z	46.4	1.5	47.9	248.3	5000
3100	H / 1.0	X	39.6	3.5	43.1	NF=142.9	5580
3100	H / 1.0	Y	39.6	3.5	43.1	NF=142.9	5580
3100	H / 1.0	Z	39.6	3.5	43.1	NF=142.9	5580
3100	V / 1.0	X	39.6	3.5	43.1	NF=142.9	5580
3100	V / 1.0	Y	39.6	3.5	43.1	NF=142.9	5580
3100	V / 1.0	Z	39.6	3.5	43.1	NF=142.9	5580
	The frequency range was scanned from 30 Mhz to 3.1 Ghz.						
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	NF=Noise Floor Measurements (Minimum system sensitivity)						

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Operating Mode:	Continuously Transmitting 310 Mhz Signal						
Technician:	Dennis Cortes				Date:	August 25, 1999	
Notes:	Test Distance: 3 Meters		Duty Cycle: 38.55%				
	Detector: Peak		Duty Cycle Correction: -8.3 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	71.3	-8.3	63.0	1412.5	5833
310.0	H / 1.0	Y	77.7	-8.3	69.4	2951.2	5833
310.0	H / 1.0	Z	81.2	-8.3	72.9	4415.7	5833
310.0	V / 1.5	X	75.9	-8.3	67.6	2398.8	5833
310.0	V / 1.6	Y	77.8	-8.3	69.5	2985.4	5833
310.0	V / 1.0	Z	65.9	-8.3	57.6	758.6	5833
620.0	H / 1.1	X	52.3	-8.3	44.0	158.5	583
620.0	H / 1.0	Y	54.4	-8.3	46.1	201.8	583
620.0	H / 1.0	Z	55.6	-8.3	47.3	231.7	583
620.0	V / 1.6	X	50.0	-8.3	41.7	121.6	583
620.0	V / 1.6	Y	51.2	-8.3	42.9	139.6	583
620.0	V / 1.0	Z	51.8	-8.3	43.5	149.6	583
930.0	H / 1.0	X	53.1	-8.3	44.8	173.8	583
930.0	H / 1.2	Y	60.1	-8.3	51.8	389.0	583
930.0	H / 1.0	Z	59.4	-8.3	51.1	358.9	583
930.0	V / 1.0	X	63.3	-8.3	55.0	562.3	583
930.0	V / 1.0	Y	50.6	-8.3	42.3	130.3	583
930.0	V / 1.2	Z	51.9	-8.3	43.6	151.4	583
1240.0	H / 1.2	X	49.1	-8.3	40.8	109.6	500
1240.0	H / 1.3	Y	54.0	-8.3	45.7	192.8	500
1240.0	H / 1.4	Z	55.0	-8.3	46.7	216.3	500
1240.0	V / 1.4	X	53.7	-8.3	45.4	186.2	500
1240.0	V / 1.4	Y	47.8	-8.3	39.5	94.4	500
1240.0	V / 1.6	Z	50.8	-8.3	42.5	133.4	500
1550.0	H / 1.0	X	46.3	-8.3	38.0	79.4	500
1550.0	H / 1.0	Y	44.2	-8.3	35.9	62.4	500
1550.0	H / 1.1	Z	46.8	-8.3	38.5	84.1	500
1550.0	V / 1.1	X	47.2	-8.3	38.9	88.1	500
1550.0	V / 1.2	Y	44.5	-8.3	36.2	64.6	500
1550.0	V / 1.3	Z	43.8	-8.3	35.5	59.6	500
	The frequency range was scanned from 30 Mhz to 3.1 Ghz.						
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Notes:	Test Distance: 3 Meters		Duty Cycle: 38.55%				
	Detector: Quasi-Peak		Duty Cycle Correction: -8.3 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	46.5	-8.3	38.2	81.3	583
1860	H / 1.4	Y	42.7	-8.3	34.4	52.5	583
1860	H / 1.3	Z	46.6	-8.3	38.3	82.2	583
1860	V / 1.5	X	44.2	-8.3	35.9	62.4	583
1860	V / 1.0	Y	44.5	-8.3	36.2	64.6	583
1860	V / 1.7	Z	45.4	-8.3	37.1	71.6	583
2170	H / 1.2	X	48.3	-8.3	40.0	100.0	583
2170	H / 1.5	Y	44.5	-8.3	36.2	64.6	583
2170	H / 1.3	Z	54.5	-8.3	46.2	204.2	583
2170	V / 1.0	X	47.0	-8.3	38.7	86.1	583
2170	V / 1.0	Y	51.0	-8.3	42.7	136.5	583
2170	V / 1.2	Z	51.5	-8.3	43.2	144.5	583
2480	H / 1.0	X	44.6	-8.3	36.3	65.3	583
2480	H / 1.1	Y	49.0	-8.3	40.7	108.4	583
2480	H / 1.1	Z	51.9	-8.3	43.6	151.4	583
2480	V / 1.0	X	50.1	-8.3	41.8	123.0	583
2480	V / 1.0	Y	44.1	-8.3	35.8	61.7	583
2480	V / 1.7	Z	50.4	-8.3	42.1	127.4	583
2790	H / 1.2	X	46.1	-8.3	37.8	77.6	500
2790	H / 1.2	Y	46.4	-8.3	38.1	80.4	500
2790	H / 1.1	Z	48.5	-8.3	40.2	102.3	500
2790	V / 1.2	X	45.2	-8.3	36.9	70.0	500
2790	V / 1.4	Y	44.7	-8.3	36.4	66.1	500
2790	V / 1.3	Z	47.9	-8.3	39.6	95.5	500
3100	H / 1.0	X	43.1	-8.3	34.8	NF=55.0	583
3100	H / 1.0	Y	43.1	-8.3	34.8	NF=55.0	583
3100	H / 1.0	Z	43.1	-8.3	34.8	NF=55.0	583
3100	V / 1.0	X	43.1	-8.3	34.8	NF=55.0	583
3100	V / 1.0	Y	43.1	-8.3	34.8	NF=55.0	583
3100	V / 1.0	Z	43.1	-8.3	34.8	NF=55.0	583
	The frequency range was scanned from 30 Mhz to 3.1 Ghz.						
	Emissions from the EUT do not exceed the specified limits.						
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