APPLICANT	MANUFACTURER
X-10 USA, Inc. 400 Forge Way, Suite 412 Rockaway, NJ 07866	X-10 Electronics Shenzhen Co. Ltd. X-10 Building Labour Industrial District Shenzhen, Xixiang, Bao An Guang Dong, China, 518102

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

TEST PROCEDURE: ANSI C63.4:1992

TEST SAMPLE DESCRIPTION

BRANDNAME: X-10

MODEL: VT38A FCC ID: B4SVT38A

TYPE: 2.4 GHz FM Transmitter

FREQUENCY RANGE: 2410 to 2472 MHZ

POWER REQUIREMENTS: 120 VAC, 60 Hz

TESTS PERFORMED

- 15.249(a) Radiated Emissions, Fundamental and Harmonics
- 15.294(c) Occupied Bandwidth
- 15.249(c)/15.209 Radiated Emissions, Spurious Case
- 15.207(a) Conducted Emissions

REPORT OF MEASUREMENTS

Applicant: X-10 (USA), Inc.

Device: 2.4 GHz Transmitter

FCC ID: B4SVT38A

Power Requirements: 120 VAC, 60 Hz

Applicable Rule Section: Part 15, Subpart C, Section 15.249

TEST RESULTS

15.207(a): The radio frequency voltage that was conducted back on to the AC power line on any frequency/frequencies within the bandwidth of 450kHz to 30MHz did not exceed 250 microvolts.

15.249(a): The unit operates in the 2.4 to 2.4835 GHz band at 4 frequencies as follows:
1) 2.410 GHz 2) 2.433 GHz
3) 2.453 GHz 4) 2.472 GHz
Field strength readings were taken at 3 frequencies (low, middle and high) because the device operates over a range greater than 10 MHz.
The field strength of the fundamental did not exceed 50milliV/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, Spurious Case

Para. 15.249(a)

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.410GHz Signal		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters

Detector: Peak, Unless otherwise specified Channel A

Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit
GHz	(V/H)/Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
2.410	H / 1.8	X	55.9	28.9	84.8	17378.0	50000
|	H / 2.0	Y	60.7	28.9	89.6	30199.5	|
|	H / 1.8	Z	56.2	28.9	85.1	17988.7	|
|	V / 1.8	X	55.9	28.9	84.8	17378.0	|
|	V / 1.8	Y	51.3	28.9	80.2	10232.9	|
2.410	V / 2.0	Z	53.0	28.9	81.9	12445.1	50000
4.820	H / 1.0	X	32.0	-4.1	27.9	24.8*	500
|	H / 1.0	Y	32.0	-4.1	27.9	24.8*	|
|	H / 1.0	Z	32.0	-4.1	27.9	24.8*	|
|	V / 1.0	X	32.0	-4.1	27.9	24.8*	|
|	V / 1.0	Y	32.0	-4.1	27.9	24.8*	|
4.820	V / 1.0	Z	32.0	-4.1	27.9	24.8*	500
7.230	H / 1.0	X	32.0	-2.0	32.0	39.8*	500
|	H / 1.0	Y	32.0	-2.0	30.0	31.6*	|
|	H / 1.0	Z	32.0	-2.0	30.0	31.6*	|
|	V / 1.0	X	32.0	-2.0	30.0	31.6*	|
|	V / 1.0	Y	32.0	-2.0	30.0	31.6*	|
7.230	V / 1.0	Z	32.0	-2.0	30.0	31.6*	500
9.640	H / 1.0	X	33.0	-1.9	31.1	35.9*	500
|	H / 1.0	Y	33.0	-1.9	31.1	35.9*	|
|	H / 1.0	Z	33.0	-1.9	31.1	35.9*	|
|	V / 1.0	X	33.0	-1.9	31.1	35.9*	|
|	V / 1.0	Y	33.0	-1.9	31.1	35.9*	|
9.640	V / 1.0	Z	33.0	-1.9	31.1	35.9*	500
12.05	H / 1.0	X	33.0	3.8	36.8	69.2*	500
|	H / 1.0	Y	33.0	3.8	36.8	69.2*	|
|	H / 1.0	Z	33.0	3.8	36.8	69.2*	|
|	V / 1.0	X	33.0	3.8	36.8	69.2*	|
|	V / 1.0	Y	33.0	3.8	36.8	69.2*	|
12.05	V / 1.0	Z	33.0	3.8	36.8	69.2*	500
	The frequency range was scanned from 30 MHz to25GHz. 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)						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.410GHz Signal		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters **=Readings taken @ 1 meter, correction factors includes test distance correction.
Detector: Peak, Unless otherwise specified Channel A

Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit
GHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
14.46	H / 1.0	X	33.0	10.8	43.8	154.9*	500
|	H / 1.0	Y	33.0	10.8	43.8	154.9*	|
|	H / 1.0	Z	33.0	10.8	43.8	154.9*	|
|	V / 1.0	X	33.0	10.8	43.8	154.9*	|
|	V / 1.0	Y	33.0	10.8	43.8	154.9*	|
14.46	V / 1.0	Z	33.0	10.8	43.8	154.9*	500
16.87	H / 1.0	X	33.0	15.5	48.5	266.1*	500
|	H / 1.0	Y	33.0	15.5	48.5	266.1*	|
|	H / 1.0	Z	33.0	15.5	48.5	266.1*	|
|	V / 1.0	X	33.0	15.5	48.5	266.1*	|
|	V / 1.0	Y	33.0	15.5	48.5	266.1*	|
16.87	V / 1.0	Z	33.0	15.5	48.5	266.1*	500
19.28	H / 1.0	X	30.0	22.9	52.9	441.6**	500
|	H / 1.0	Y	30.0	22.9	52.9	441.6**	|
|	H / 1.0	Z	30.0	22.9	52.9	441.6**	|
|	V / 1.0	X	30.0	22.9	52.9	441.6**	|
|	V / 1.0	Y	30.0	22.9	52.9	441.6**	|
19.28	V / 1.0	Z	30.0	22.9	52.9	441.6**	500
21.69	H / 1.0	X	30.0	23.2	53.2	457.1**	500
|	H / 1.0	Y	30.0	23.2	53.2	457.1**	|
|	H / 1.0	Z	30.0	23.2	53.2	457.1**	|
|	V / 1.0	X	30.0	23.2	53.2	457.1**	|
|	V / 1.0	Y	30.0	23.2	53.2	457.1**	|
21.69	V / 1.0	Z	30.0	23.2	53.2	457.1**	500
24.10	H / 1.0	X	30.0	23.4	53.4	467.7**	500
|	H / 1.0	Y	30.0	23.4	53.4	467.7**	|
|	H / 1.0	Z	30.0	23.4	53.4	467.7**	|
|	V / 1.0	X	30.0	23.4	53.4	467.7**	|
|	V / 1.0	Y	30.0	23.4	53.4	467.7**	|
24.10	V / 1.0	Z	30.0	23.4	53.4	467.7**	500
	The frequency range was scanned from 30 MHz to 25GHz. 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)						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.433GHz Signal		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters
Detector: Peak, Unless otherwise specified Channel B

Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit
GHz	(V/H)/Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
2.433	H / 1.8	X	55.3	28.9	84.2	16218.1	50000
|	H / 1.8	Y	58.5	28.9	87.4	23442.3	|
|	H / 2.0	Z	49.8	28.9	78.7	8609.9	|
|	V / 2.0	X	55.0	28.9	83.9	15667.5	|
|	V / 1.3	Y	56.2	28.9	85.1	17988.7	|
2.433	V / 1.5	Z	55.6	28.9	84.5	16788.0	50000
4866	H / 1.0	X	32.0	-4.1	27.9	24.8*	500
|	H / 1.0	Y	32.0	-4.1	27.9	24.8*	|
|	H / 1.0	Z	32.0	-4.1	27.9	24.8*	|
|	V / 1.0	X	32.0	-4.1	27.9	24.8*	|
|	V / 1.0	Y	32.0	-4.1	27.9	24.8*	|
4.866	V / 1.0	Z	32.0	-4.1	27.9	24.8*	500
7.299	H / 1.0	X	32.0	-2.0	32.0	39.8*	500
|	H / 1.0	Y	32.0	-2.0	30.0	31.6*	|
|	H / 1.0	Z	32.0	-2.0	30.0	31.6*	|
|	V / 1.0	X	32.0	-2.0	30.0	31.6*	|
|	V / 1.0	Y	32.0	-2.0	30.0	31.6*	|
7.299	V / 1.0	Z	32.0	-2.0	30.0	31.6*	500
9.732	H / 1.0	X	33.0	-1.9	31.1	35.9*	500
|	H / 1.0	Y	33.0	-1.9	31.1	35.9*	|
|	H / 1.0	Z	33.0	-1.9	31.1	35.9*	|
|	V / 1.0	X	33.0	-1.9	31.1	35.9*	|
|	V / 1.0	Y	33.0	-1.9	31.1	35.9*	|
9.732	V / 1.0	Z	33.0	-1.9	31.1	35.9*	500
12.17	H / 1.0	X	33.0	3.8	36.8	69.2*	500
|	H / 1.0	Y	33.0	3.8	36.8	69.2*	|
|	H / 1.0	Z	33.0	3.8	36.8	69.2*	|
|	V / 1.0	X	33.0	3.8	36.8	69.2*	|
|	V / 1.0	Y	33.0	3.8	36.8	69.2*	|
12.17	V / 1.0	Z	33.0	3.8	36.8	69.2*	500
	The frequency range was scanned from 30 MHz to 25GHz. 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)						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.433GHz Signal		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters **=Readings taken @ 1 meter, correction factors includes test distance correction.
Detector: Peak, Unless otherwise specified Channel B

Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit
GHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
14.60	H / 1.0	X	33.0	10.8	43.8	154.9*	500
|	H / 1.0	Y	33.0	10.8	43.8	154.9*	|
|	H / 1.0	Z	33.0	10.8	43.8	154.9*	|
|	V / 1.0	X	33.0	10.8	43.8	154.9*	|
|	V / 1.0	Y	33.0	10.8	43.8	154.9*	|
14.60	V / 1.0	Z	33.0	10.8	43.8	154.9*	500
17.03	H / 1.0	X	33.0	15.5	48.5	266.1*	500
|	H / 1.0	Y	33.0	15.5	48.5	266.1*	|
|	H / 1.0	Z	33.0	15.5	48.5	266.1*	|
|	V / 1.0	X	33.0	15.5	48.5	266.1*	|
|	V / 1.0	Y	33.0	15.5	48.5	266.1*	|
17.03	V / 1.0	Z	33.0	15.5	48.5	266.1*	500
19.46	H / 1.0	X	30.0	22.9	52.9	441.6**	500
|	H / 1.0	Y	30.0	22.9	52.9	441.6**	|
|	H / 1.0	Z	30.0	22.9	52.9	441.6**	|
|	V / 1.0	X	30.0	22.9	52.9	441.6**	|
|	V / 1.0	Y	30.0	22.9	52.9	441.6**	|
19.46	V / 1.0	Z	30.0	22.9	52.9	441.6**	500
21.90	H / 1.0	X	30.0	23.2	53.2	457.1**	500
|	H / 1.0	Y	30.0	23.2	53.2	457.1**	|
|	H / 1.0	Z	30.0	23.2	53.2	457.1**	|
|	V / 1.0	X	30.0	23.2	53.2	457.1**	|
|	V / 1.0	Y	30.0	23.2	53.2	457.1**	|
21.90	V / 1.0	Z	30.0	23.2	53.2	457.1**	500
24.33	H / 1.0	X	30.0	23.4	53.4	467.7**	500
|	H / 1.0	Y	30.0	23.4	53.4	467.7**	|
|	H / 1.0	Z	30.0	23.4	53.4	467.7**	|
|	V / 1.0	X	30.0	23.4	53.4	467.7**	|
|	V / 1.0	Y	30.0	23.4	53.4	467.7**	|
24.33	V / 1.0	Z	30.0	23.4	53.4	467.7**	500
	The frequency range was scanned from 30 MHz to 25GHz. 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)						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.472GHz Signal		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters
Detector: Peak, Unless otherwise specified Channel D

Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit
GHz	(V/H)/Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
2.472	H / 1.5	X	53.2	28.9	82.1	12735.0	50000
|	H / 2.0	Y	50.7	28.9	79.6	9549.9	|
|	H / 2.0	Z	52.2	28.9	81.1	11350.1	|
|	V / 1.8	X	53.7	28.9	82.6	13489.6	|
|	V / 2.0	Y	50.9	28.9	79.8	9772.4	|
2.472	V / 1.8	Z	50.8	28.9	79.7	9660.5	50000
4944	H / 1.0	X	32.0	-4.1	27.9	24.8*	500
|	H / 1.0	Y	32.0	-4.1	27.9	24.8*	|
|	H / 1.0	Z	32.0	-4.1	27.9	24.8*	|
|	V / 1.0	X	32.0	-4.1	27.9	24.8*	|
|	V / 1.0	Y	32.0	-4.1	27.9	24.8*	|
4.944	V / 1.0	Z	32.0	-4.1	27.9	24.8*	500
7.416	H / 1.0	X	32.0	-2.0	32.0	39.8*	500
|	H / 1.0	Y	32.0	-2.0	30.0	31.6*	|
|	H / 1.0	Z	32.0	-2.0	30.0	31.6*	|
|	V / 1.0	X	32.0	-2.0	30.0	31.6*	|
|	V / 1.0	Y	32.0	-2.0	30.0	31.6*	|
7.416	V / 1.0	Z	32.0	-2.0	30.0	31.6*	500
9.888	H / 1.0	X	33.0	-1.9	31.1	35.9*	500
|	H / 1.0	Y	33.0	-1.9	31.1	35.9*	|
|	H / 1.0	Z	33.0	-1.9	31.1	35.9*	|
|	V / 1.0	X	33.0	-1.9	31.1	35.9*	|
|	V / 1.0	Y	33.0	-1.9	31.1	35.9*	|
9.888	V / 1.0	Z	33.0	-1.9	31.1	35.9*	500
12.36	H / 1.0	X	33.0	3.8	36.8	69.2*	500
|	H / 1.0	Y	33.0	3.8	36.8	69.2*	|
|	H / 1.0	Z	33.0	3.8	36.8	69.2*	|
|	V / 1.0	X	33.0	3.8	36.8	69.2*	|
|	V / 1.0	Y	33.0	3.8	36.8	69.2*	|
12.36	V / 1.0	Z	33.0	3.8	36.8	69.2*	500
	The frequency range was scanned from 30 MHz to25GHz. 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)						

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.472GHz Signal		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters **=Readings taken @ 1 meter, correction factors includes test distance correction.
Detector: Peak, Unless otherwise specified Channel D

Test Freq.	Antenna Pol./Height	EUT Orientation	Meter Reading	Correction Factor	Corrected Reading	Converted Reading	Average Limit
GHz	(V/H)-Meters	X / Y / Z	dBuV	dB	dBuV/m	uV/m	uV/m
14.83	H / 1.0	X	33.0	10.8	43.8	154.9*	500
|	H / 1.0	Y	33.0	10.8	43.8	154.9*	|
|	H / 1.0	Z	33.0	10.8	43.8	154.9*	|
|	V / 1.0	X	33.0	10.8	43.8	154.9*	|
|	V / 1.0	Y	33.0	10.8	43.8	154.9*	|
14.83	V / 1.0	Z	33.0	10.8	43.8	154.9*	500
17.30	H / 1.0	X	33.0	15.5	48.5	266.1*	500
|	H / 1.0	Y	33.0	15.5	48.5	266.1*	|
|	H / 1.0	Z	33.0	15.5	48.5	266.1*	|
|	V / 1.0	X	33.0	15.5	48.5	266.1*	|
|	V / 1.0	Y	33.0	15.5	48.5	266.1*	|
17.30	V / 1.0	Z	33.0	15.5	48.5	266.1*	500
19.78	H / 1.0	X	30.0	22.9	52.9	441.6**	500
|	H / 1.0	Y	30.0	22.9	52.9	441.6**	|
|	H / 1.0	Z	30.0	22.9	52.9	441.6**	|
|	V / 1.0	X	30.0	22.9	52.9	441.6**	|
|	V / 1.0	Y	30.0	22.9	52.9	441.6**	|
19.78	V / 1.0	Z	30.0	22.9	52.9	441.6**	500
22.25	H / 1.0	X	30.0	23.2	53.2	457.1**	500
|	H / 1.0	Y	30.0	23.2	53.2	457.1**	|
|	H / 1.0	Z	30.0	23.2	53.2	457.1**	|
|	V / 1.0	X	30.0	23.2	53.2	457.1**	|
|	V / 1.0	Y	30.0	23.2	53.2	457.1**	|
22.25	V / 1.0	Z	30.0	23.2	53.2	457.1**	500
24.72	H / 1.0	X	30.0	23.4	53.4	467.7**	500
|	H / 1.0	Y	30.0	23.4	53.4	467.7**	|
|	H / 1.0	Z	30.0	23.4	53.4	467.7**	|
|	V / 1.0	X	30.0	23.4	53.4	467.7**	|
|	V / 1.0	Y	30.0	23.4	53.4	467.7**	|
24.72	V / 1.0	Z	30.0	23.4	53.4	467.7**	500
	The frequency range was scanned from 30 MHz to 25GHz. 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)						

EXHIBIT 4

Spurious Emissions

Para. 15.249(c)

Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.209(a)		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter		
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.410GHz Signal.		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters Temp:30C Humidity:18% Channel A
Detector: Quasi-Peak Below 30 MHz to 1 GHz, Peak above 1 GHz

Test Freq.	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
30.00							100
88.00							100
88.00							150

No emissions detected at specified test distance.

216.00							150
216.00							200
960.00							200
960.00							500
25000.0							500

The EUT was scanned from 30 MHz to 25 GHz

The emissions observed from the EUT do not exceed the specified limits. Emissions not recorded were more than 10dB under the specified limit

Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.209(a)		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter		
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.433GHz Signal.		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters Temp:30C Humidity:18% Channel B

Detector: Quasi-Peak Below 30 MHz to 1 GHz, Peak above 1 GHz

Test Freq.	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
30.00							100
|							|
|							|
|							|
|							|
|							|
l							|
88.00							100
88.00							150
l							|
|							|
|							|

No emissions detected at specified test distance.

|							|
|							|
l							|
216.00							150
216.00							200
|							|
|							|
l							|
960.00							200
960.00							500
l							|
|							|
l							|
25000.0							500

The EUT was scanned from 30 MHz to 25 GHz

The emissions observed from the EUT do not exceed the specified limits. Emissions not recorded were more than 10dB under the specified limit

Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.209(a)		
Customer:	X-10 (USA)	**Job No.**	R-9159-2
Test Sample:	2.4GHz FM Transmitter		
Model No.:	VT38A	**FCC ID:**	B4SVT38A
Operating Mode:	Continuously Transmitting a 2.472GHz Signal.		
Technician:	Peter Lananna	**Date:**	September 5, 2001

Notes: Test Distance: 3 Meters Temp:30C Humidity:18% Channel D

Detector: Quasi-Peak Below 30 MHz to 1 GHz, Peak above 1 GHz

Test Freq.	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
30.00							100
|							|
|							|
|							|
|							|
|							|
l							|
88.00							100
88.00							150
l							|
|							|
|							|

No emissions detected at specified test distance.

|							|
|							|
l							|
216.00							150
216.00							200
|							|
|							|
l							|
960.00							200
960.00							500
l							|
|							|
l							|
25000.0							500

The EUT was scanned from 30 MHz to 25 GHz

The emissions observed from the EUT do not exceed the specified limits. Emissions not recorded were more than 10dB under the specified limit

EXHIBIT 4

Occupied Bandwidth

Para. 15.249(c)

(See separate e-file attachment named Occbw.pdf)

EXHIBIT 4

Conducted Emissions

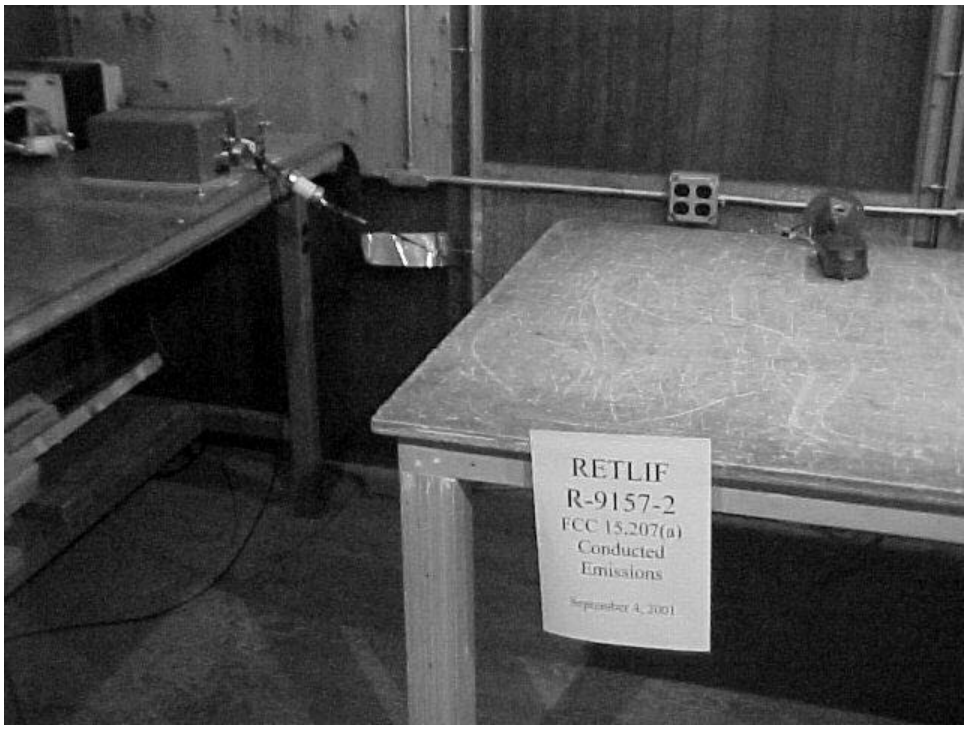
Para. 15.207(a)
(See separate e-file attachment named CEdata.pdf)

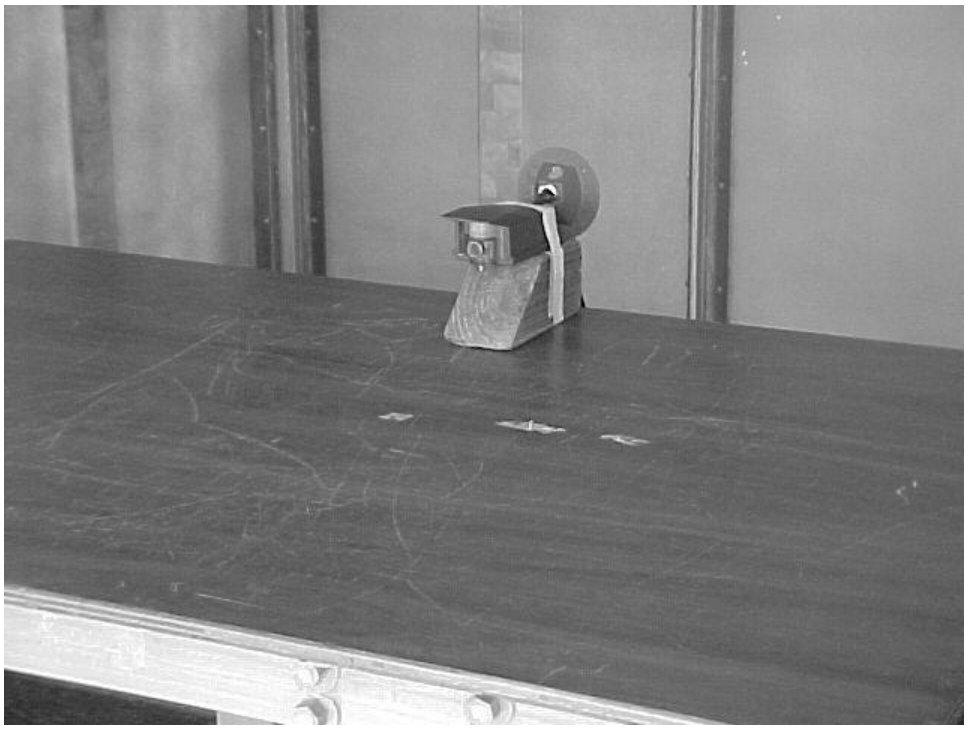
EQUIPMENT LIST

FCC Part 15 Subpart C Compliance Testing

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
062	High Gain Horn Antenna	Microlab/FXR	1.7 GHz - 2.6 GHz	R638A	10/11/00	10/11/01
067	Open Area Test Site	Retlif	3 Meter	RNY	9/20/00	9/20/03
077	LISN	Solar Electronics	10 kHz - 30 MHz	8028-50-TS24BNC	2/9/01	2/9/02
079	LISN	Solar Electronics	10 kHz - 30 MHz	8028-50-TS24BNC	5/2/01	5/2/02
091	Shielded Enclosure	Retlif	10 kHz - 1 GHz	Room 6	8/20/01	8/20/02
128C	Double Ridge Guide	Eaton Corporation	1 GHz - 18 GHz	96001	9/18/00	9/18/01
129E	High Gain Horn Antenna	Microlab/FXR	18 GHz - 26.5 GHz	K638A	9/18/00	9/18/01
133	Broadband Pre-Amplifier	Electro-Metrics	10 kHz - 1 GHz, 26dB	BPA-1000	6/13/01	6/13/02
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	7/2/01	1/2/02
141A	Graphics Plotter	Hewlett Packard	N/A	7470A	3/5/01	3/5/02
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	2/20/01	1/2/02
206B	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	FP-50 - 6 dB	6/13/01	6/13/02
420	Amplifier	Hewlett Packard	2.0 GHz - 18 GHz	11975A	9/29/00	9/29/01
421	Harmonic Mixer	Hewlett Packard	18 GHz - 26.5 GHz	11970K	9/29/00	9/29/01
512	Graphics Plotter	Hewlett Packard	N/A	7470A	11/13/00	11/13/01
523	Biconilog	Electro-Mechanics	26 - 2000 MHz	3142B	6/8/00	9/8/01
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	6/27/01	6/27/02
617	Interference Analyzer	Electro-Metrics	10 kHz - 1 GHz	EMC-30	2/27/01	2/27/02
7016	EMC Analyzer	Hewlett Packard	9kHz - 1.8GHz	8591EM	3/6/01	3/6/02
7017	Transient Limiter	Hewlett Packard	9kHz - 200MHz	11947A	4/9/01	4/9/02

Test Setup Photographs





Test Setup Photographs

Customer:	X-10 (USA)
Test Sample:	2.4 GHz Transmitter
Model No.:	VT38A
Test Method:	FCC 15.207 (a) Conducted Emissions (450 kHz to 30 MHz)
Notes:	Lead Tested: CH A, Hot Detector Function: Peak FCC ID: B45VT38A
Date:	September 4, 2001
Tech:	N. Dragoits
Sheet	1 of 2

Retlif Testing Laboratories

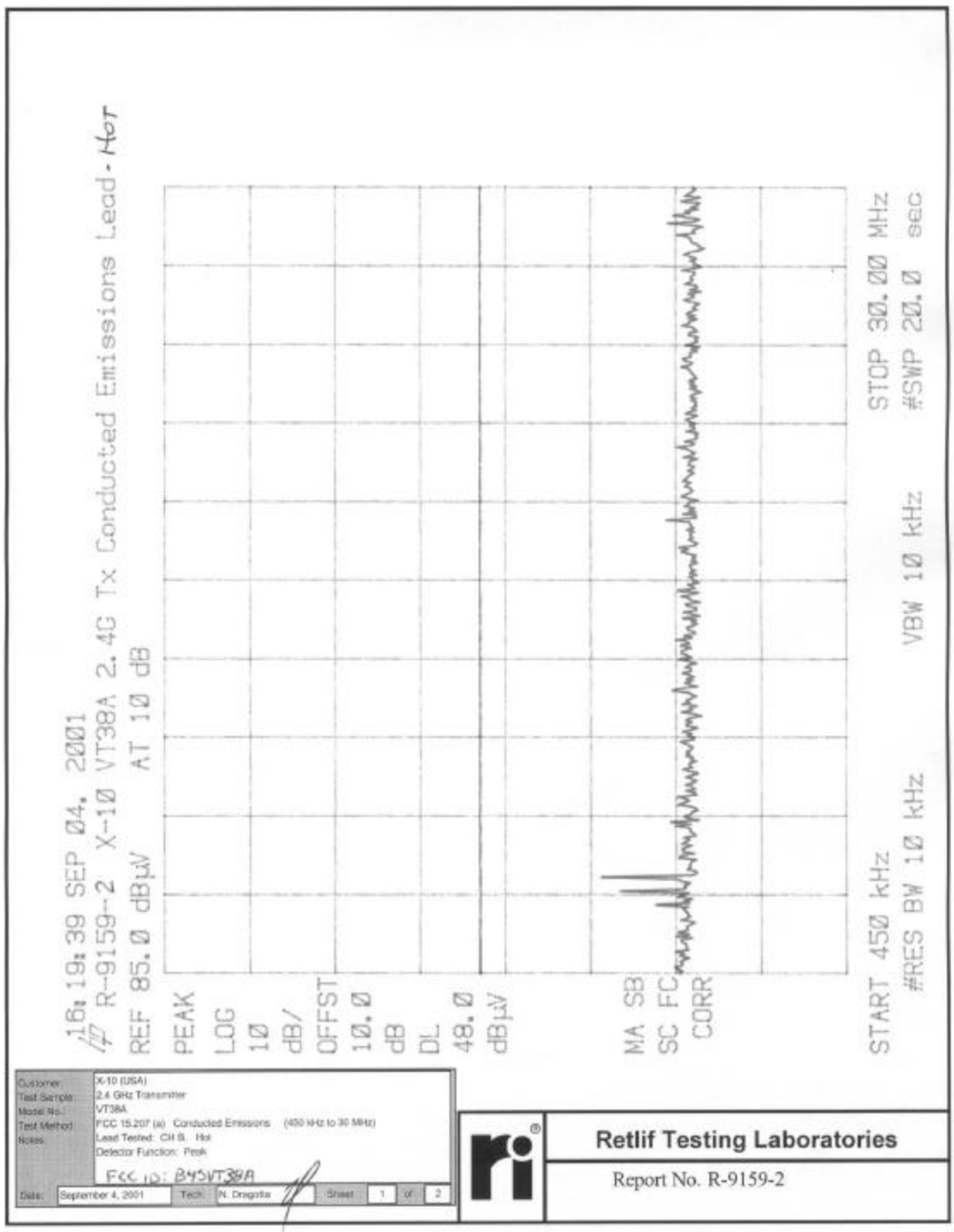
Report No. R-9159-2

Customer:	X-10 (USA)
Test Sample:	2.4 GHz Transmitter
Model No.:	VT38A
Test Method:	FCC 15.207 (a) Conducted Emissions (450 kHz to 30 MHz)
Notes:	Lead Tested: CH A. Neutral Detector Function: Peak FCC ID: B45VT38A

Date: September 4, 2001 Tech: N. Dragota Sheet 2 of 2

Retlif Testing Laboratories

Report No. R-9159-2


16:19:39 SEP 04, 2001
#1 R-9159-2 X-10 VT38A 2.4G Tx Conducted Emissions Lead - Hot
REF 85.0 dBµV AT 10 dB
PEAK
LOG
10
dB/
OFFST
10.0
dB
DL
48.0
dBµV
MA SB
SC FC
CORR
START 450 kHz
#RES BW 10 kHz
VBW 10 kHz
STOP 30.00 MHz
#SWP 20.0 sec
Customer: X-10 (USA)
Test Sample: 2.4 GHz Transmitter
Model No.: VT38A
Test Method: FCC 15.207 (a) Conducted Emissions (450 kHz to 30 MHz)
Notes: Lead Tested: CH 8. Hot
Detector Function: Peak
FCC ID: B45VT38A
Date: September 4, 2001
Tech: N. Dragotta
Sheet 1 of 2
Retlif Testing Laboratories
Report No. R-9159-2

Customer:	X-10 (USA)
Test Sample:	2.4 GHz Transmitter
Model No.:	VT38A
Test Method:	FCC 15.207 (a) Conducted Emissions (450 kHz to 30 MHz)
Notes:	Lead Tested: CH B, Neutral Detector Function: Peak FCC ID: I24 VT38A

Date: September 4, 2001 | Tech: N. Dragotta | Sheet: 2 of 2

Retlif Testing Laboratories

Report No. R-9159-2

Customer:	X-10 (USA)
Test Sample:	2.4 GHz Transmitter
Model No.:	VT38A
Test Method:	FCC 15.207 (a) Conducted Emissions (450 kHz to 30 MHz)
Notes:	Lead Tested: CH D, Hot Detector Function: Peak FCC ID: 245VT38A
Date: September 4, 2001	Tech: N. Dragolia Sheet 1 of 2

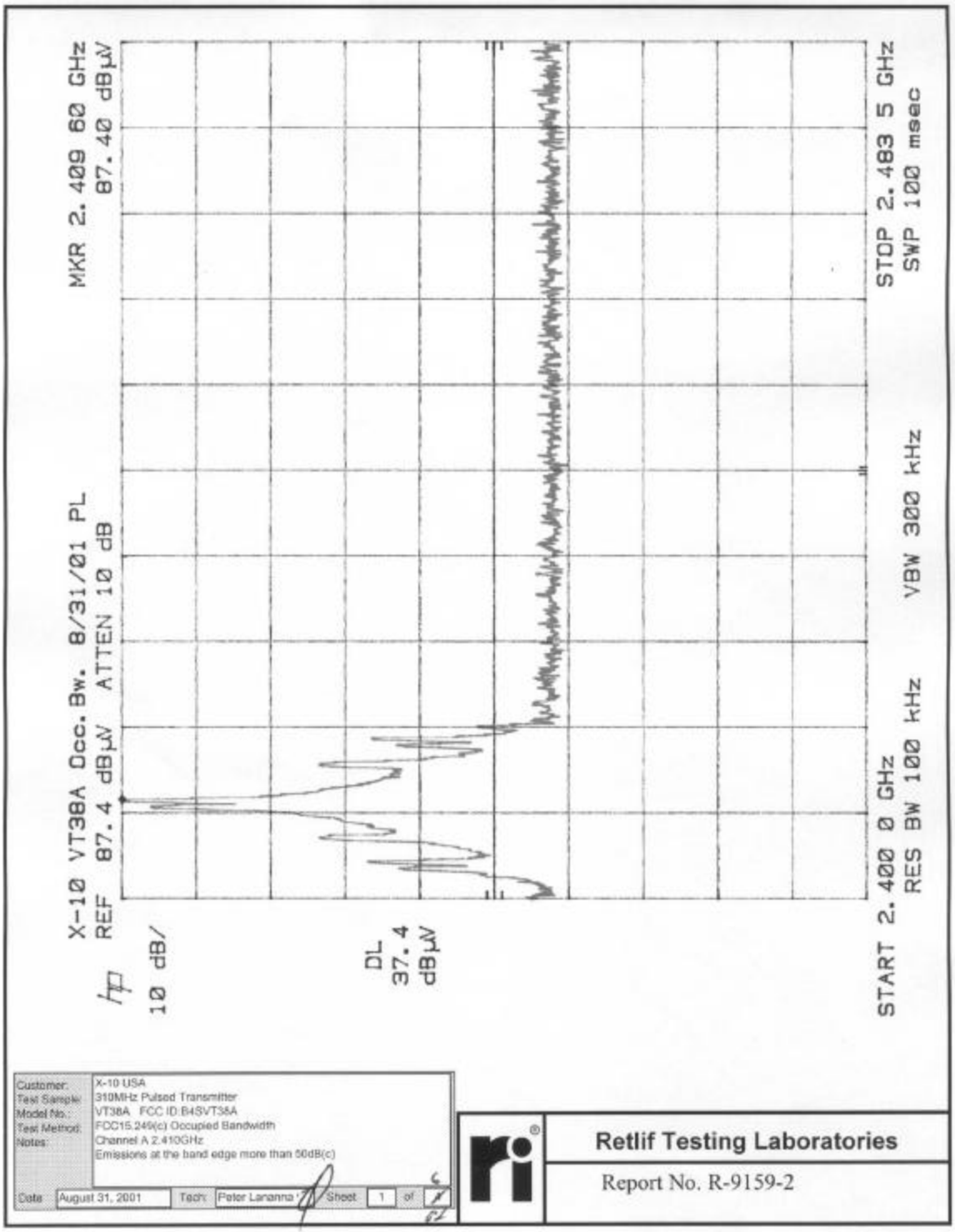
Retlif Testing Laboratories

Report No. R-9159-2

Customer:	X-10 (USA)
Test Sample:	2.4 GHz Transmitter
Model No.:	VT38A
Test Method:	FCC 15.207 (a) Conducted Emissions (450 kHz to 30 MHz)
Notes:	Lead Tested: CH D, Neutral Detector Function: Peak FCC ID: O4SVT38A
Date: September 4, 2001	Tech: N. Dragotta
Sheet: 2 of 2	

Retlif Testing Laboratories

Report No. R-9159-2

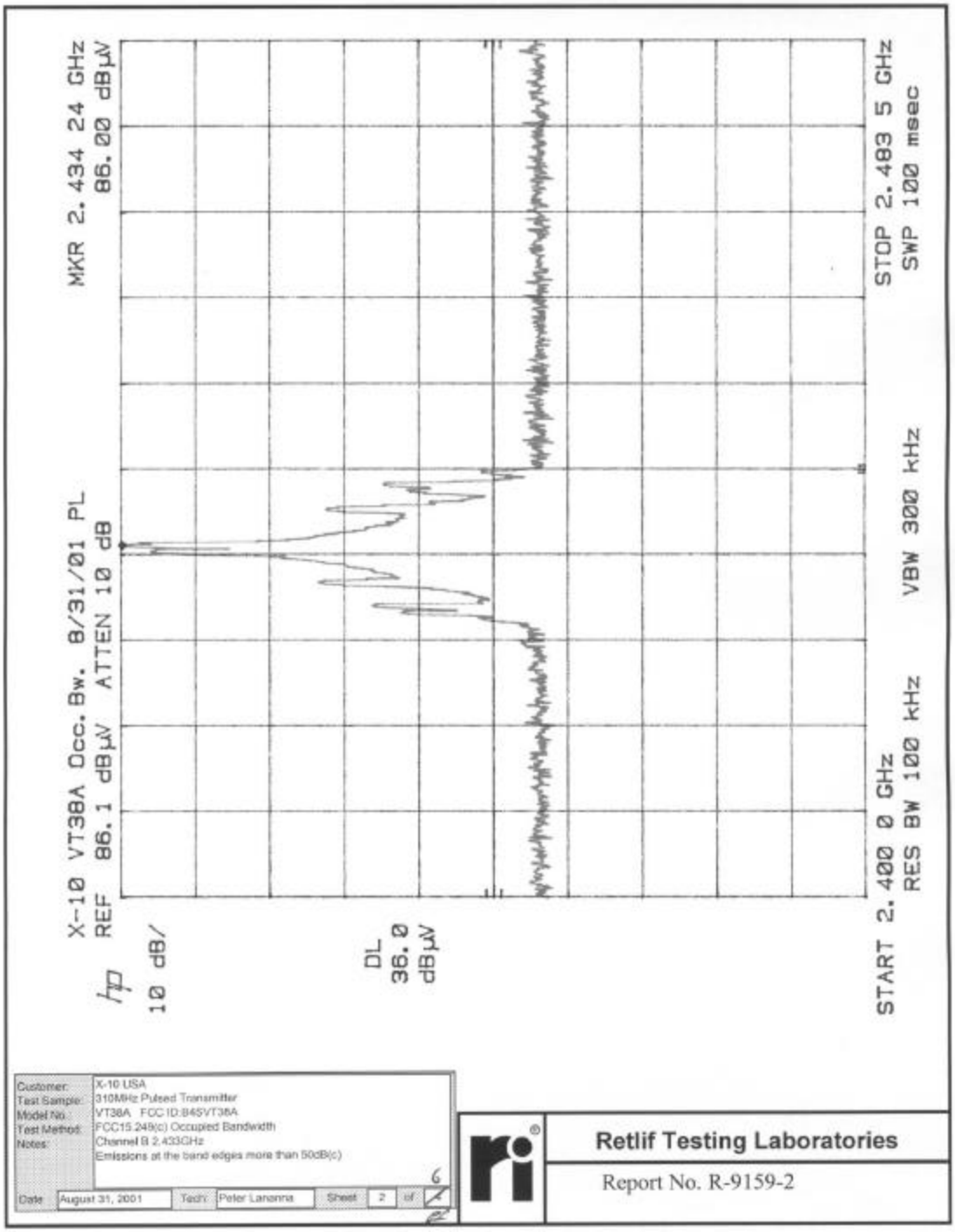


Customer:	X-10 USA
Test Sample:	310MHz Pulsed Transmitter
Model No.:	VT38A FCC ID:B4SVT38A
Test Method:	FCC15.249(c) Occupied Bandwidth
Notes:	Channel A 2.410GHz Emissions at the band edge more than 50dB(c)

Date: August 31, 2001 Tech: Peter Lananna Sheet: 1 of 1

Retlif Testing Laboratories

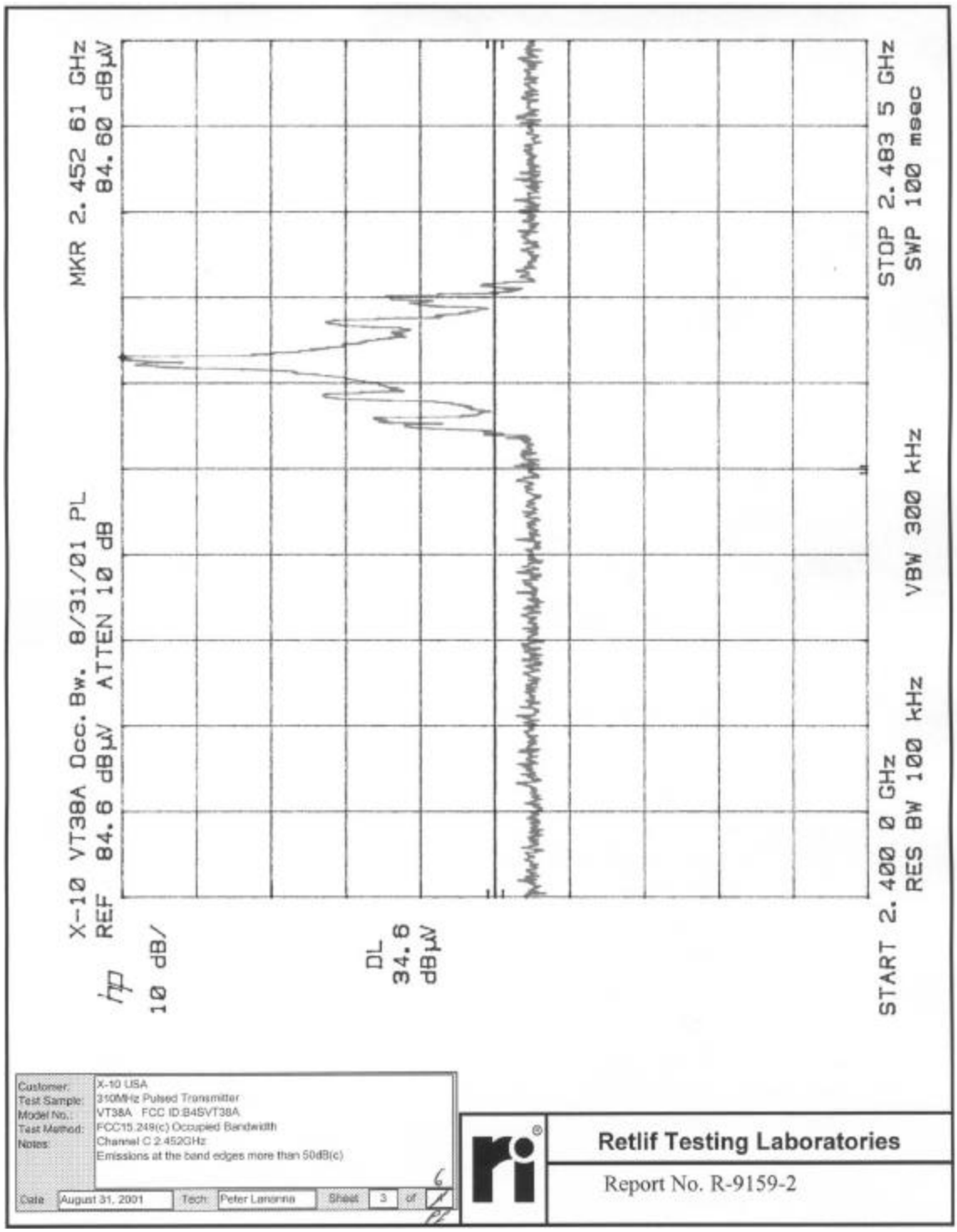
Report No. R-9159-2



Customer:	X-10 USA
Test Sample:	310MHz Pulsed Transmitter
Model No.:	VT38A FCC ID:B4SVT38A
Test Method:	FCC15.249(c) Occupied Bandwidth
Notes:	Channel B 2.433GHz Emissions at the band edges more than 50dB(c)
Date: August 31, 2001	Tech: Peter Lananna
Sheet 2 of 6	

Retlif Testing Laboratories

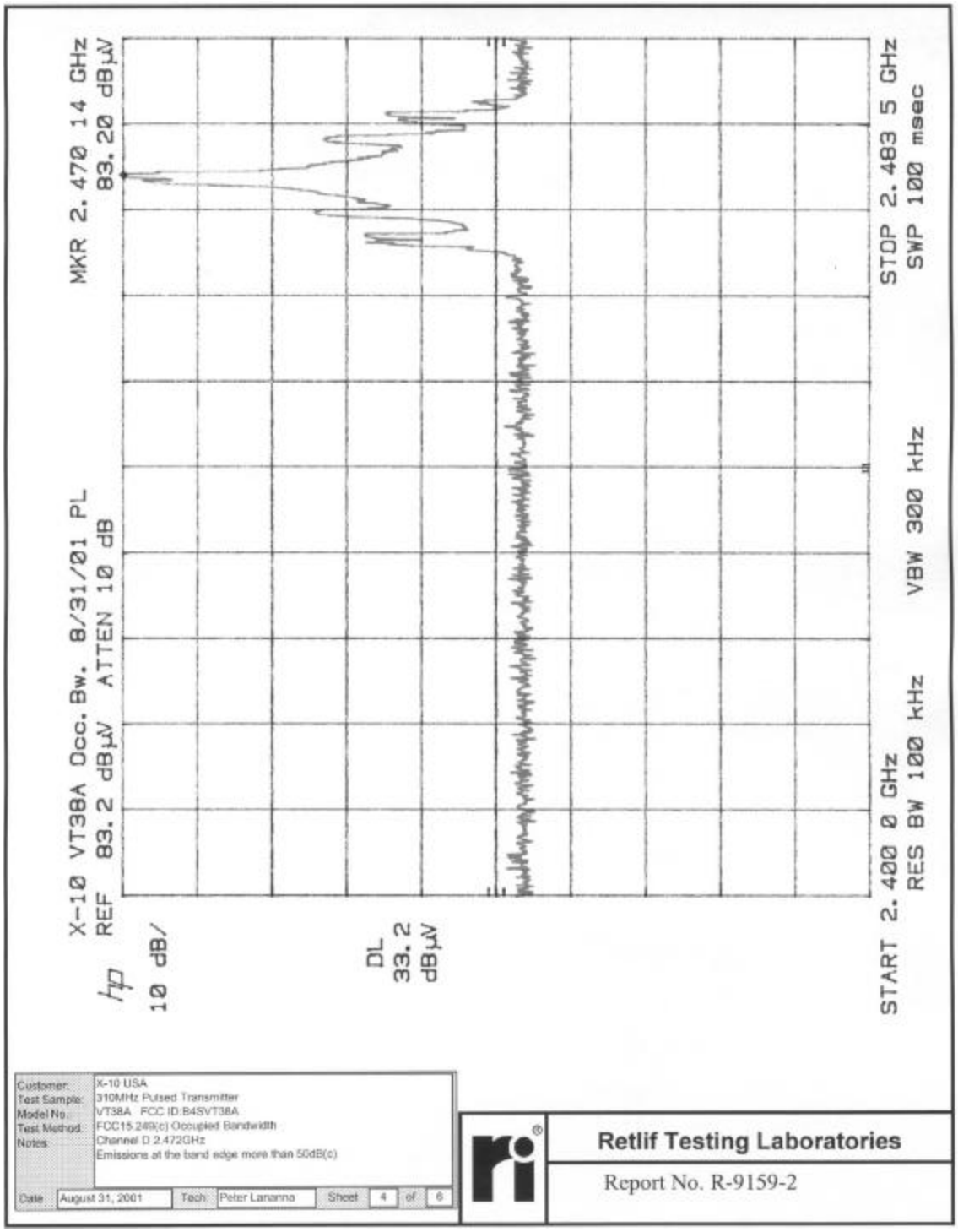
Report No. R-9159-2



Customer:	X-10 USA
Test Sample:	310MHz Pulsed Transmitter
Model No.:	VT38A FCC ID:B4SVT38A
Test Method:	FCC15.249(c) Occupied Bandwidth
Notes:	Channel C 2.452GHz Emissions at the band edges more than 50dB(c)
Date: August 31, 2001	Tech: Peter Lanonna Sheet 3 of 7

Retlif Testing Laboratories

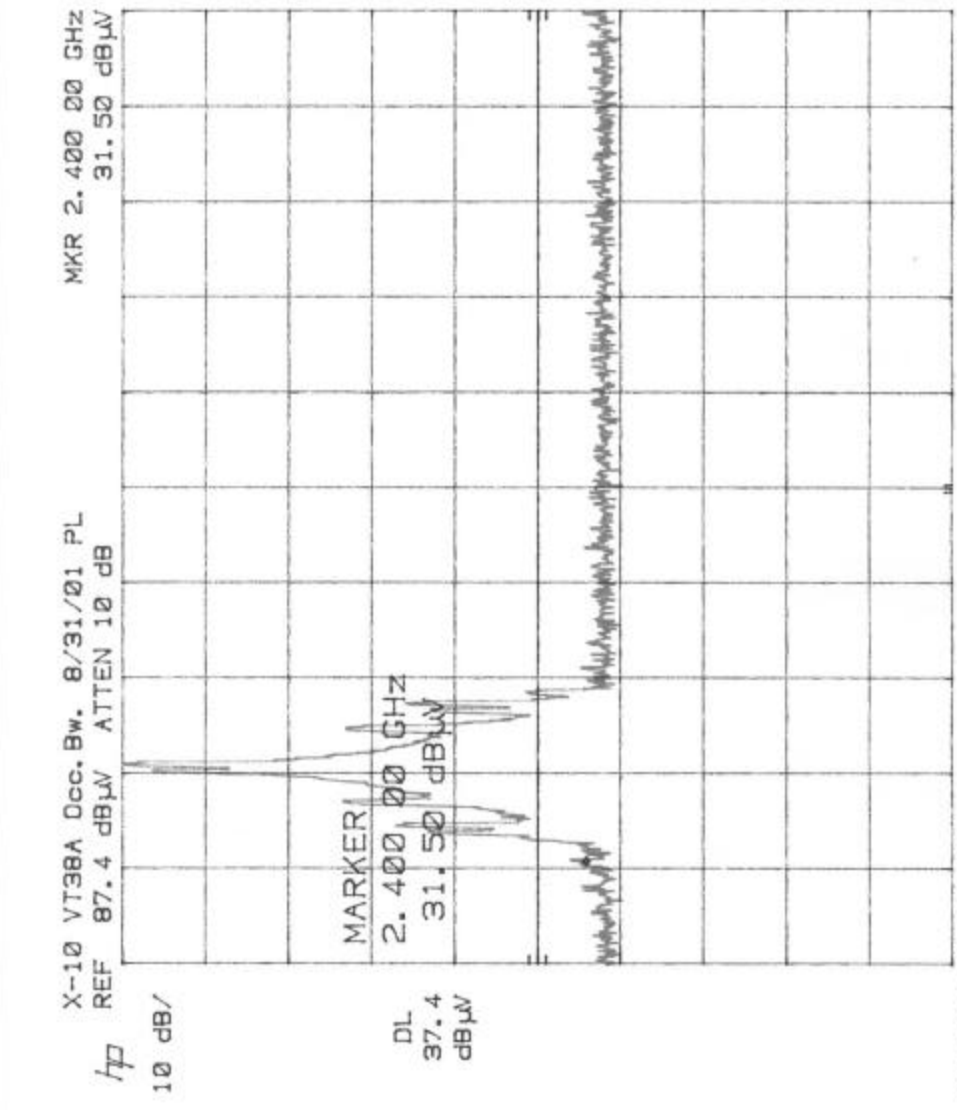
Report No. R-9159-2



Customer:	X-10 USA
Test Sample:	310MHz Pulsed Transmitter
Model No.:	VT38A FCC ID:B4SVT38A
Test Method:	FCC15.249(c) Occupied Bandwidth
Notes:	Channel D 2.472GHz Emissions at the band edge more than 50dB(c)
Date: August 31, 2001	Tech: Peter Lananna
Sheet 4 of 6	

Retlif Testing Laboratories

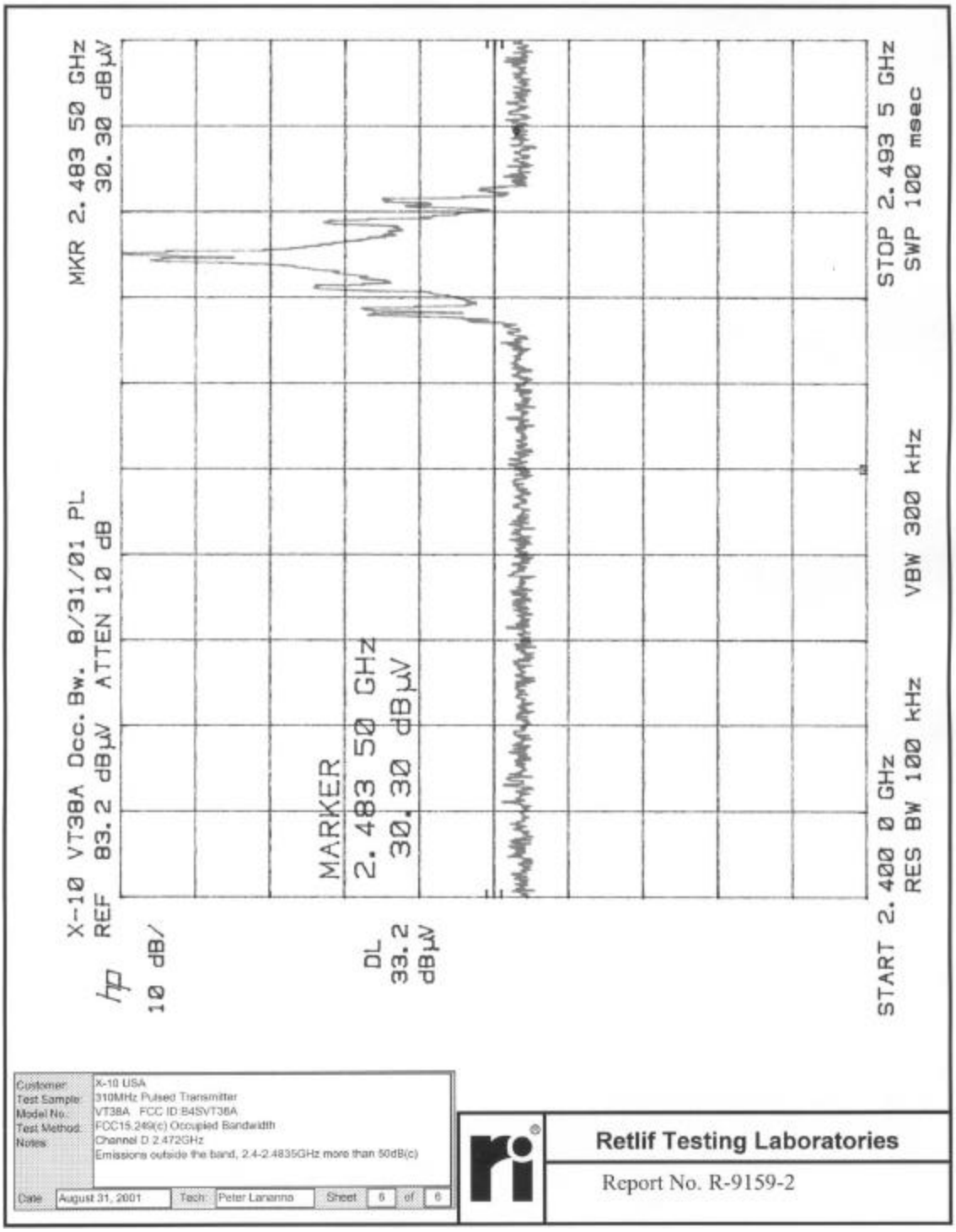
Report No. R-9159-2



Customer:	X-10 USA
Test Sample:	310MHz Pulsed Transmitter
Model No.:	VT38A FCC ID:B4SVT38A
Test Method:	FCC15.249(c) Occupied Bandwidth
Notes:	Channel A 2.410GHz Emissions outside the band, 2.4-2.4835GHz more than 50dB(c)
Date: August 31, 2001	Tech: Peter Lananna Sheet 5 of 6

Retlif Testing Laboratories

Report No. R-9159-2



Customer:	X-10 USA
Test Sample:	310MHz Pulsed Transmitter
Model No.:	VT38A FCC ID:B4SVT38A
Test Method:	FCC15.249(c) Occupied Bandwidth
Notes:	Channel D 2.472GHz Emissions outside the band, 2.4-2.4835GHz more than 50dB(c)

Date: August 31, 2001 Tech: Peter Lananna Sheet 6 of 6

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Report No. R-9159-2