APPLICANT	MANUFACTURER
X-10 USA, Inc. 91 Ruckman Road Closter, NJ 07624	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: VT36A FCC ID: B4SVT36A

TYPE: 2.4 GHz FM Transmitter

FREQUENCY RANGE: 2410 to 2472 MHZ

POWER REQUIREMENTS: 12 VDC derived from an AC Adapter

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:	B4SVT36A
Power Requirements:	12 VDC derived from an AC Adapter
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

Para. 15.249(a)
(See separate e-file attachments named REFundHarm.doc)

EXHIBIT 4

Spurious Emissions

Para. 15.249(c)
(See separate e-file attachment RESpur.doc)

EXHIBIT 4

Occupied Bandwidth

Para. 15.249(c)

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

EXHIBIT 4

Conducted Emissions

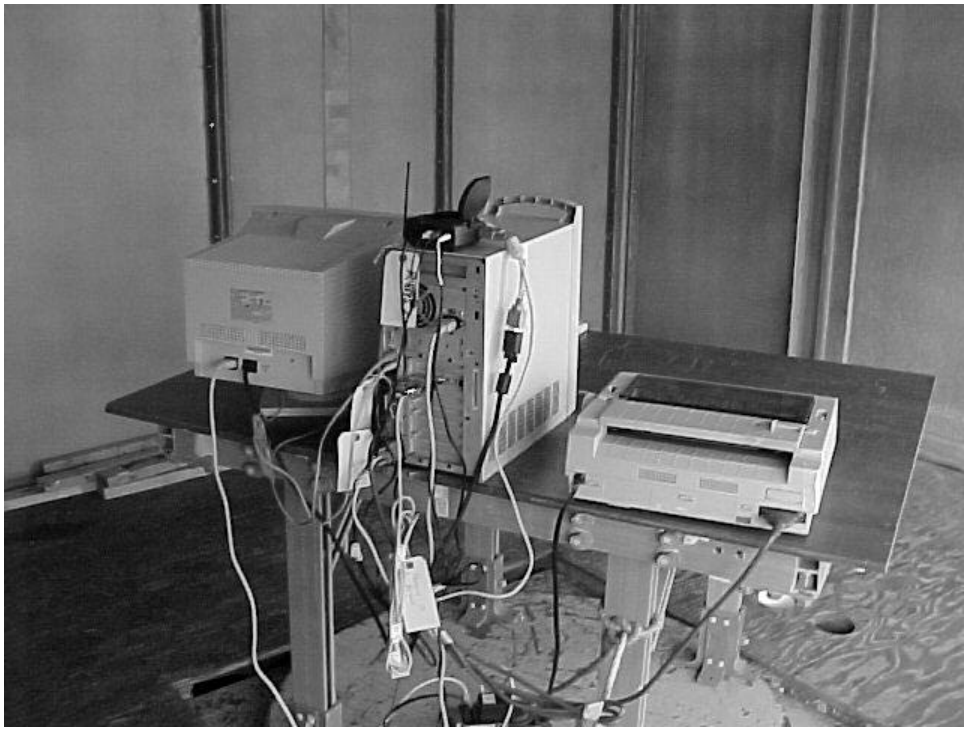
Para. 15.207(a)
(See separate e-file attachment named CEdata.pdf)

EQUIPMENT LIST

FCC 15.249 Compliance Testing

EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date
067	Open Area Test Site	Retlif	3 Meter	RNY	9/20/00	9/20/03
076	LISN	Solar Electronics	10 kHz - 30 MHz	8012-50-R-24BNC	2/9/01	2/9/02
088A	Conical Log Spiral	Electro-Mechanics	200 MHz - 1 GHz	3101	1/3/01	1/3/02
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	6/13/00	6/13/01
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	2/20/01	8/20/01
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	8/20/01
202	Transient Limiter	Hewlett Packard	.009 MHz - 200 MHz	11947A	7/24/00	7/24/01
206B	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	FP-50 - 6 dB	6/13/00	6/13/01
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
456	LISN	Solar Electronics	DC - 60 Hz	9409-50-R-24	7/26/00	7/26/01
523	Biconilog	Electro-Mechanics	26 - 2000 MHz	3142B	6/8/00	6/8/01
530	AM/FM Signal Generator	Marconi Instru.	10 kHz - 1.2 GHz	2023	5/1/00	5/1/01
543	Preamplifier	Hewlett Packard	1.0 GHz - 26.5 GHz	8449B	6/16/99	6/16/01
617	Interference Analyzer	Electro-Metrics	10 kHz - 1 GHz	EMC-30	2/27/01	2/27/02

Test Setup Photographs



Customer:	X-10 USA
Test Sample:	2.4GHz FM Ttransmitter
Model No.:	VT36A
Test Method:	FCC 15.207(a) Conducted Emissions, 450kHz to 30MHz
Notes:	Lead-HOT Channel A= 2.410GHz Detector=Peak

Date: April 25, 2001 Tech: Peter Lananna Sheet 1 of 6

Retlif Testing Laboratories

Report No. R-8957-2

Customer:	X-10 USA
Test Sample:	2.4GHz FM Transmitter
Model No.:	VT36A
Test Method:	FCC 15.207(a) Conducted Emissions, 450kHz to 30MHz
Notes:	Lead-NEUTRAL Channel A= 2.410GHz Detector=Peak
Date: April 25, 2001	Tech: Peter Lananna Sheet: 2 of 6

Retlif Testing Laboratories

Report No. R-8957-2

R-8957 X-10 VT36A Conducted Emissions 4/25/01 PL LEAD-Hot
REF 85.0 dBµV ATTEN 10 dB
10 dB/
OFFSET 10.0 dB
DL 48.0 dBµV
START 450 kHz
RES BW 10 kHz
VBW 30 kHz
STOP 30.0 MHz
SWP 20.0 sec
Customer: X-10 USA
Test Sample: 2.4GHz FM Transmitter
Model No.: VT36A
Test Method: FCC 15.207(a) Conducted Emissions, 450kHz to 30MHz
Notes: Lead-HOT
Channel 8= 2.433GHz
Detector=Peak
Date: April 26, 2001
Tech: Peter Lanenna
Sheet 3 of 6
Retlif Testing Laboratories
Report No. R-8957-2

Retlif Testing Laboratories

Report No. R-8957-2

Retlif Testing Laboratories

Report No. R-8957-2

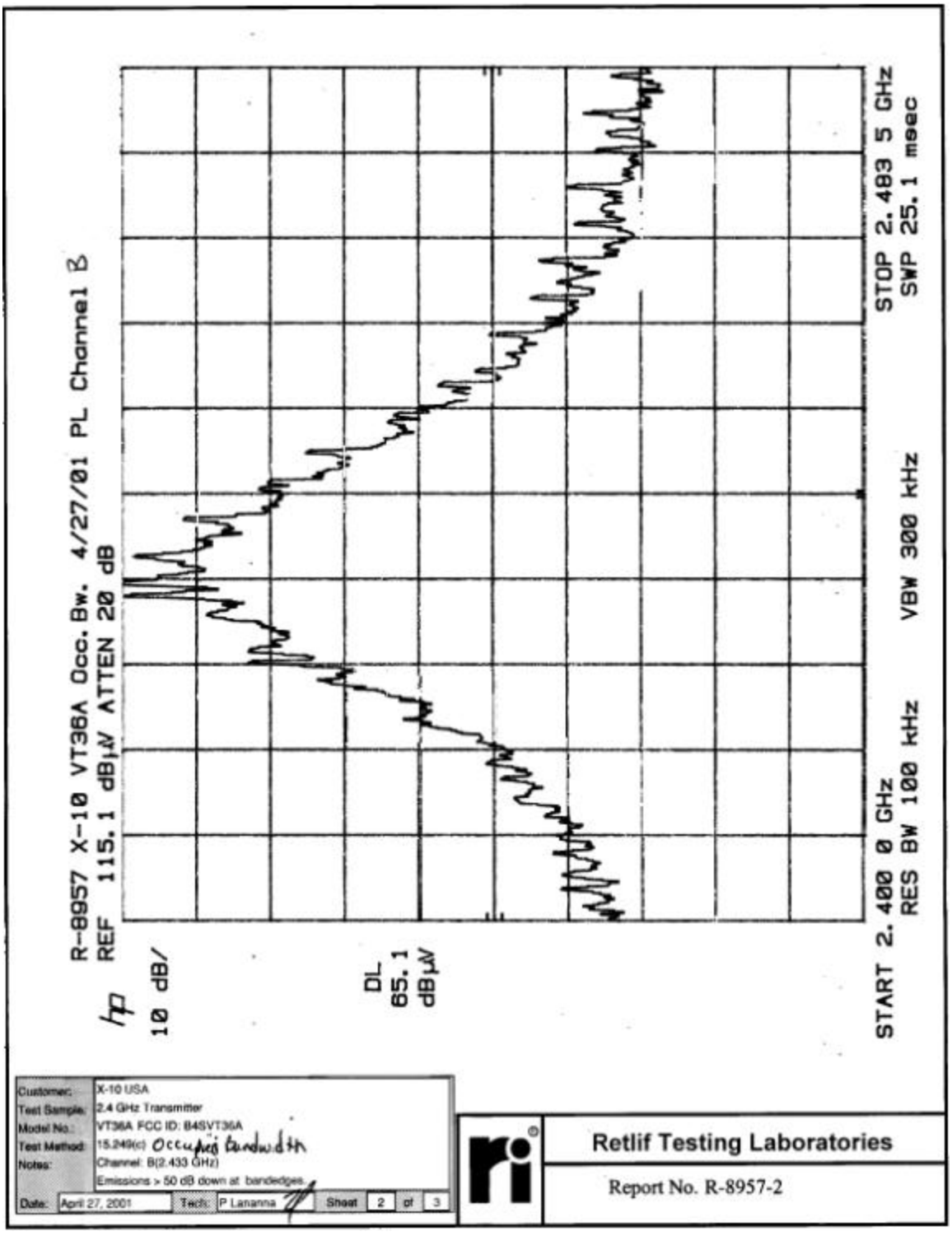
Retlif Testing Laboratories

Report No. R-8957-2

Customer:	X-10 USA
Test Sample:	2.4 GHz Transmitter
Model No.:	VT36A FCC ID: B4SVT36A
Test Method:	15.249(c) Occupied Bandwidth
Notes:	Channel: A(2.410 GHz)
	See spurious radiated emissions for lower bandedge compliance
Date: April 27, 2001	Tech: P Lananna Sheet 1 of 3

Retlif Testing Laboratories

Report No. R-8957-2

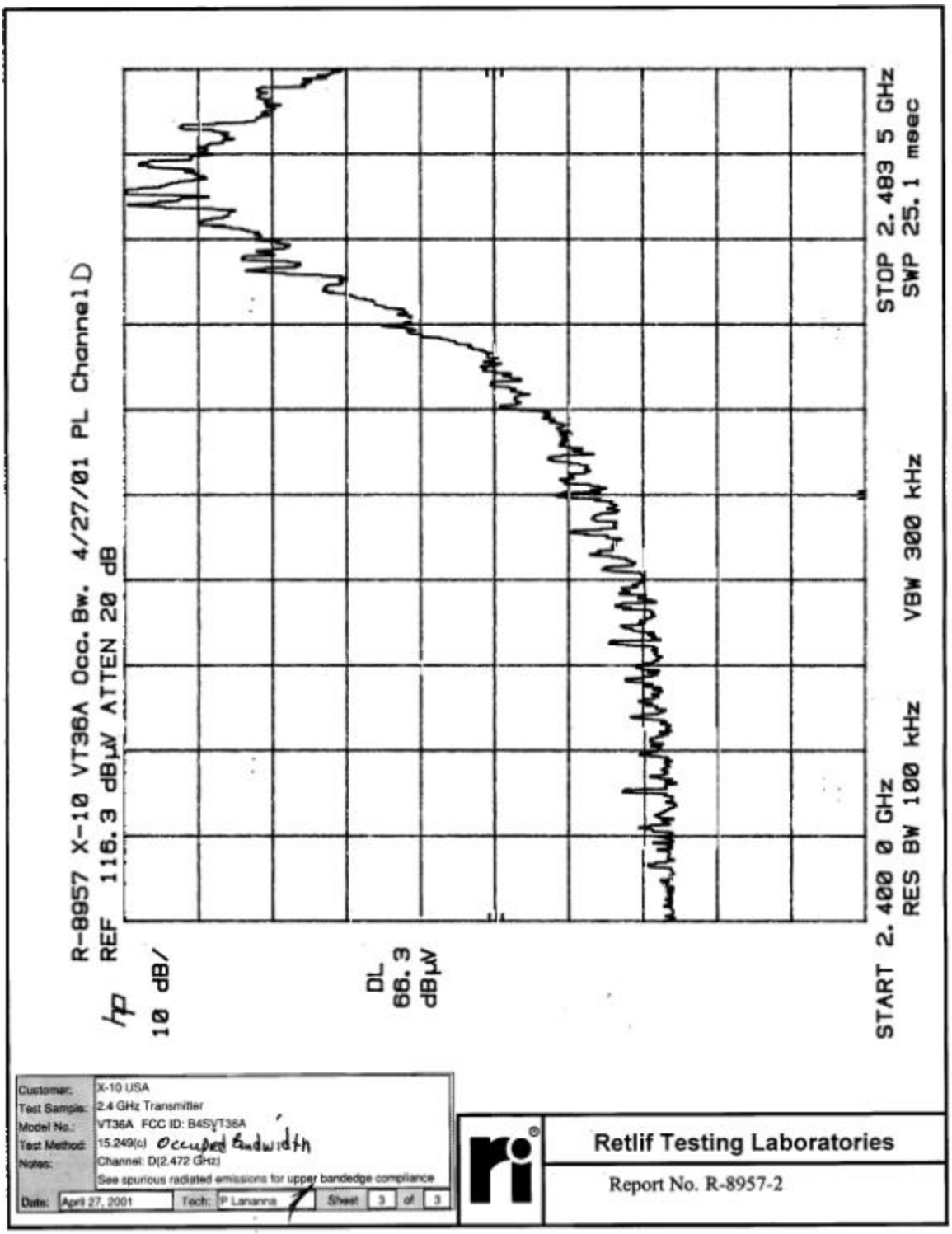


Customer:	X-10 USA
Test Sample:	2.4 GHz Transmtter
Model No.:	VT36A FCC ID: B4SVT36A
Test Method:	15.249(c) Occupied bandwidth
Notes:	Channel: B(2.433 GHz)
	Emissions > 50 dB down at bandedges
Date: April 27, 2001	Tech: P Lananna

Sheet 2 of 3

Retlif Testing Laboratories

Report No. R-8957-2



Customer:	X-10 USA
Test Sample:	2.4 GHz Transmitter
Model No.:	VT36A FCC ID: B4SVT36A
Test Method:	15.249(c) Occupied Bandwidth
Notes:	Channel: D(2.472 GHz)
	See spurious radiated emissions for upper bandedge compliance
Date: April 27, 2001	Tech: P Lananna Sheet 3 of 3

Retlif Testing Laboratories

Report No. R-8957-2

Test Method:	FCC Part 15 Subpart C Radiated Emissions, Fundamental & Harmonic Emissions		
Customer:	X-10 USA	**Job No.**	R-8957-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.410GHz Signal		
Technician:	Peter Lananna	**Date:**	March 30, 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 / 2.3	X	82.4	3.0	85.4	18620.9	50000
|	H / 2.3	Y	76.8	3.0	79.8	9772.4	|
|	H / 2.3	Z	78.8	3.0	81.8	12302.7	|
|	V / 2.3	X	76.1	3.0	79.1	9015.7	|
|	V / 2.0	Y	76.4	3.0	79.4	9332.5	|
2.410	V / 1.8	Z	81.4	3.0	84.4	16595.9	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-8957-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.410GHz Signal		
Technician:	Peter Lananna	**Date:**	March 30, 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	Peak 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-8957-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.433GHz Signal		
Technician:	Peter Lananna	**Date:**	March 30, 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 / 2.0	X	81.6	3.0	84.6	16982.4	50000
|	H / 2.0	Y	78.0	3.0	81.0	11220.2	|
|	H / 2.5	Z	80.3	3.0	83.3	14621.8	|
|	V / 1.8	X	82.1	3.0	85.1	17988.7	|
|	V / 2.0	Y	75.0	3.0	78.0	7943.3	|
2.433	V / 1.8	Z	81.1	3.0	84.1	16032.5	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 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-8957-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.433GHz Signal		
Technician:	Peter Lananna	**Date:**	March 30, 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	Peak 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-8957-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.472GHz Signal		
Technician:	Peter Lananna	**Date:**	March 30, 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 / 2.5	X	81.3	3.0	84.3	16405.9	50000
|	H / 2.5	Y	81.0	3.0	84.0	15848.9	|
|	H / 2.7	Z	82.9	3.0	85.9	19724.2	|
|	V / 1.5	X	85.2	3.0	88.2	25704.0	|
|	V / 2.5	Y	77.8	3.0	80.8	10964.8	|
2.472	V / 1.5	Z	79.2	3.0	82.2	12882.5	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-8957-2
Test Sample:	2.4GHz FM Transmitter	**Paragraph:**	15.249
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.472GHz Signal		
Technician:	Peter Lananna	**Date:**	March 30, 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	Peak 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)						

Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.209(a)		
Customer:	X-10 USA	**Job No.**	R-8957-2
Test Sample:	2.4GHz FM Transmitter		
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.410GHz Signal		
Technician:	Peter Lananna	**Date:**	April 24, 2001

Notes: Test Distance: 3 Meters Temp:32 C Humidity:19 %
Detector: Quasi-Peak Below 30 MHz to 1 GHz, Peak above 1 GHz Channel A

Test Freq.	Antenna Position	EUT Orientation	Meter Readings	Correction Factor	Corrected Reading	Converted Reading	**LIMIT**
MHz	(V/H) / Meters	Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
30.00							100
|							|
40.0	V/1.0	270	40	-6.9	33.1	45.2	|
63.0	V/1.0	338	49	-11.9	37.1	71.6	|
69.8	V/1.0	090	40	-12.6	27.4	23.4	|
75.0	V/1.0	225	40	-12.6	27.4	23.4	|
80.6	V/1.0	293	43	-12.5	30.5	33.5	|
|							|
88.00							100
88.00							150
|							|
184.7	V/1.8	113	38	-8.4	29.6	30.2	|
214.4	H/1.3	022	42	-7.1	34.9	55.6	|
|							|
216.00							150
216.00							200
225.8	H/1.0	067	45	-6.9	38.1	80.4	|
232.7	H/1.0	113	52	-6.5	45.5	188.4	|
252.0	H/1.0	113	39	-5.7	33.3	46.2	|
291.0	H/1.0	067	39	-4.7	34.3	51.9	|
300.0	H/1.0	113	33	-4.4	28.6	26.9	|
315.0	V/1.0	180	50	-4.2	45.8	195.0	|
323.0	V/.10	180	41	-3.8	37.2	72.4	|
329.0	V/1.0	180	43	-3.2	39.8	97.7	|
358.0	V/1.0	180	38	-2.0	36.0	63.1	|
394.0	V/1.0	180	42	-1.9	40.1	101.2	|
441.8	H/1.0	135	32	-0.6	31.4	37.2	|
960.00							200
960.00							500
1026.0	V/1.3	180	49.9	-6.0	43.9	156.7	|
1232.0	V/1.0	225	53.6	-3.0	50.6	338.8	|
1340.0	V/1.0	180	48.6	-1.5	47.1	226.5	|
2399.0	V/1.0	180	42.0	3.0	45.0**	177.8	|
25,000.0	The EUT was scanned from 30 MHz to 25 GHz						500
	The emissions observed from the EUT do not exceed the specified limits. Emissions not recorded						
	were more than 10dB under the specified limit **-Noise Floor measurement, minimum sensitivity						

Retlif Testing Laboratories

Retlif Job Number R-8957-2

Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.209(a)		
Customer:	X-10 USA	**Job No.**	R-8957-2
Test Sample:	2.4GHz FM Transmitter		
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.433GHz Signal		
Technician:	Peter Lananna	**Date:**	April 24, 2001

Notes: Test Distance: 3 Meters Temp:32 C Humidity:19 %
Detector: Quasi-Peak Below 30 MHz to 1 GHz, Peak above 1 GHz Channel B

Test Freq.	Antenna Position	EUT Orientation	Meter Readings	Correction Factor	Corrected Reading	Converted Reading	**LIMIT**
MHz	(V/H) / Meters	Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
30.00							100
40.0	V/1.0	270	40	-6.9	33.1	45.2	
63.0	V/1.0	338	49	-11.9	37.1	71.6	
69.8	V/1.0	090	40	-12.6	27.4	23.4	
75.0	V/1.0	225	40	-12.6	27.4	23.4	
80.6	V/1.0	293	43	-12.5	30.5	33.5	
88.00							100
88.00							150
184.7	V/1.8	113	38	-8.4	29.6	30.2	
214.4	H/1.3	022	42	-7.1	34.9	55.6	
216.00							150
216.00							200
225.8	H/1.0	067	45	-6.9	38.1	80.4	
232.7	H/1.0	113	52	-6.5	45.5	188.4	
252.0	H/1.0	113	39	-5.7	33.3	46.2	
291.0	H/1.0	067	39	-4.7	34.3	51.9	
300.0	H/1.0	113	33	-4.4	28.6	26.9	
315.0	V/1.0	180	50	-4.2	45.8	195.0	
323.0	V/.10	180	41	-3.8	37.2	72.4	
329.0	V/1.0	180	43	-3.2	39.8	97.7	
358.0	V/1.0	180	38	-2.0	36.0	63.1	
394.0	V/1.0	180	42	-1.9	40.1	101.2	
441.8	H/1.0	135	32	-0.6	31.4	37.2	
960.00							200
960.00							500
1026.0	V/1.3	180	49.9	-6.0	43.9	156.7	
1232.0	V/1.0	225	53.6	-3.0	50.6	338.8	
1340.0	V/1.0	180	48.6	-1.5	47.1	226.5	
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						

Retlif Testing Laboratories

Retlif Job Number R-8957-2

Test Method:	FCC Part 15 Subpart C, Spurious Case Radiated Emissions, Paragraph 15.209(a)		
Customer:	X-10 USA	**Job No.**	R-8957-2
Test Sample:	2.4GHz FM Transmitter		
Model No.:	VT36A	**FCC ID:**	B4SVT36A
Operating Mode:	Continuously Transmitting a 2.472GHz Signal		
Technician:	Peter Lananna	**Date:**	April 24, 2001

Notes: Test Distance: 3 Meters Temp:32 C Humidity:19 %
Detector: Quasi-Peak Below 30 MHz to 1 GHz, Peak above 1 GHz Channel D

Test Freq.	Antenna Position	EUT Orientation	Meter Readings	Correction Factor	Corrected Reading	Converted Reading	**LIMIT**
MHz	(V/H) / Meters	Degrees	dBuV	dB	dBuV/m	uV/m	uV/m
30.00							100
40.0	V/1.0	270	40	-6.9	33.1	45.2	
63.0	V/1.0	338	49	-11.9	37.1	71.6	
69.8	V/1.0	090	40	-12.6	27.4	23.4	
75.0	V/1.0	225	40	-12.6	27.4	23.4	
80.6	V/1.0	293	43	-12.5	30.5	33.5	
88.00							100
88.00							150
184.7	V/1.8	113	38	-8.4	29.6	30.2	
214.4	H/1.3	022	42	-7.1	34.9	55.6	
216.00							150
216.00							200
225.8	H/1.0	067	45	-6.9	38.1	80.4	
232.7	H/1.0	113	52	-6.5	45.5	188.4	
252.0	H/1.0	113	39	-5.7	33.3	46.2	
291.0	H/1.0	067	39	-4.7	34.3	51.9	
300.0	H/1.0	113	33	-4.4	28.6	26.9	
315.0	V/1.0	180	50	-4.2	45.8	195.0	
323.0	V/.10	180	41	-3.8	37.2	72.4	
329.0	V/1.0	180	43	-3.2	39.8	97.7	
358.0	V/1.0	180	38	-2.0	36.0	63.1	
394.0	V/1.0	180	42	-1.9	40.1	101.2	
441.8	H/1.0	135	32	-0.6	31.4	37.2	
960.00							200
960.00							500
1026.0	V/1.3	180	49.9	-6.0	43.9	156.7	
1232.0	V/1.0	225	53.6	-3.0	50.6	338.8	
1340.0	V/1.0	180	48.6	-1.5	47.1	226.5	
2483.5	V/1.0	180	43.0	3.0	46.0	200.0**	
25,000.0	The EUT was scanned from 30 MHz to 25 GHz						500
	The emissions observed from the EUT do not exceed the specified limits. Emissions not recorded						
	were more than 10dB under the specified limit **-Noise Floor measurement, minimum sensitivity						

Retlif Testing Laboratories

Retlif Job Number R-8957-2