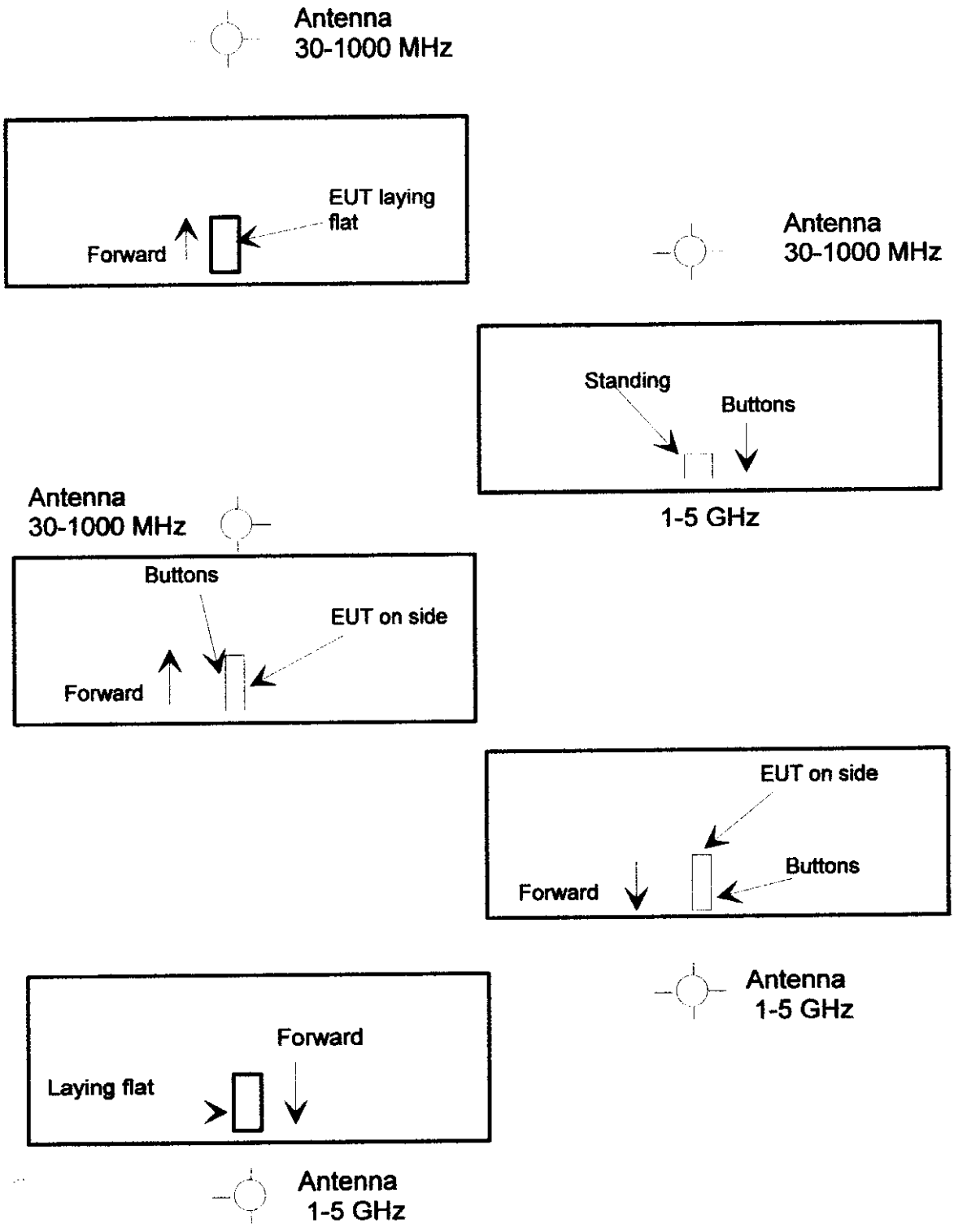
Antenna
30-1000 MHz
EUT laying
flat
Forward
Antenna
30-1000 MHz
Standing
Buttons
1-5 GHz
Antenna
30-1000 MHz
Buttons
EUT on side
Forward
EUT on side
Buttons
Forward
Antenna
1-5 GHz
Forward
Laying flat
Antenna
1-5 GHz

DNB Engineering, Inc.
RADIATED EMISSIONS
Location #2 FCC Part 15.231, 15.209 & 15.205

FCC ID: F2NURC440T
DATE: FEB. 27, 1998
REPORT # 86055-1

Client: Next Level Systems Inc.
Date : 20-Feb-98

File # 86055-1
Engr.: Stefen J. Munford

Rep. : Kerry Galloway
System: Universal Remote

Meas Type: Transmit signal

Freq (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	Duty % Correction (dB)	Total Factors (dBuV/m)	Total (dBuV/m)	3 Meter FCC Limit (dBuV/m)	Delta (dB)	Azimuth (degree)	Height (m)	Hor/ Vert	HP/ R&S	Ave QP Peak	Comments
433.90	85.8	25.3	6.6	18.0	-14.9	-15.7	70.1	80.8	-10.7	64	1.00	H	R&S	PEAK	Run 1, sample 1, laying flat.
433.90	75.7	25.3	6.6	18.0	-14.9	-15.7	60.0	80.8	-20.8	0	2.70	V	R&S	PEAK	Run 1, sample 1, laying flat.
433.88	85.5	25.3	6.6	18.0	-14.9	-15.7	69.8	80.8	-11.0	69	1.00	H	R&S	PEAK	Run 4, sample 2, laying flat.
433.88	76.9	25.3	6.6	18.0	-14.9	-15.7	61.2	80.8	-19.6	189	2.00	V	R&S	PEAK	Run 4, sample 2, laying flat.

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DNB Engineering, Inc.
RADIATED EMISSIONS
Location #1 FCC Part 15 Class B

FCC ID: F2NURC440T
DATE: FEB. 27, 1998
REPORT # 86055-1

Client: Next Level Systems Inc.
Date : 26-Feb-98

File # 86055-1
Engr.: Stefen J. Munford

Rep. : Kerry Galloway
System: Universal Remote

Freq (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	Duty % Correction (dB)	Total Factors (dBuV/m)	Total (dBuV/m)	3 Meter FCC Limit (dBuV/m)	Delta (dB)	Azimuth (degree)	Height (m)	Hor/ Vert	HP/ R&S	Meas Type Ave Peak	Comments
1301.680	58.20	24.6	3.1	24.4	-14.9	-12.0	46.2	54.0	-7.8	87	1.10	V	HP	PEAK	Run 2, sample 1, remote standing
2603.320	60.40	27.6	4.0	29.2	-14.9	-9.3	51.1	60.8	-9.7	202	1.50	V	HP	PEAK	Run 2, sample 1, remote standing
1735.520	61.75	26.5	3.4	26.8	-14.9	-11.2	50.6	60.8	-10.2	181	2.10	V	HP	PEAK	Run 1, sample 1, remote flat
2169.420	59.75	26.9	3.6	28.7	-14.9	-9.5	50.2	60.8	-10.6	177	1.90	H	HP	PEAK	Run 2, sample 1, remote standing
2169.420	59.65	26.9	3.6	28.7	-14.9	-9.5	50.1	60.8	-10.7	91	1.60	V	HP	PEAK	Run 2, sample 1, remote standing
1301.680	54.40	24.6	3.1	24.4	-14.9	-12.0	42.4	54.0	-11.6	356	1.00	H	HP	PEAK	Run 2, sample 1, remote standing
3037.210	56.75	27.8	4.3	30.4	-14.9	-8.0	48.7	60.8	-12.1	174	1.40	V	HP	PEAK	Run 3, sample 1, remote on its side
3905.000	48.10	28.4	5.1	31.2	-14.9	-7.1	41.0	54.0	-13.0	359	3.30	H	HP	PEAK	Run 2, sample 1, remote standing
2603.320	57.00	27.6	4.0	29.2	-14.9	-9.3	47.7	60.8	-13.1	12	2.05	H	HP	PEAK	Run 2, sample 1, remote standing
4338.900	46.00	29.0	5.7	31.9	-14.9	-6.3	39.7	54.0	-14.3	268	3.20	V	HP	PEAK	Run 1, sample 1, remote flat
1735.520	56.75	26.5	3.4	26.8	-14.9	-11.2	45.6	60.8	-15.2	360	3.30	H	HP	PEAK	Run 1, sample 1, remote flat
4338.900	43.80	29.0	5.7	31.9	-14.9	-6.3	37.5	54.0	-16.5	327	3.20	H	HP	PEAK	Run 1, sample 1, remote flat
3471.110	50.70	28.2	4.6	30.1	-14.9	-8.4	42.3	60.8	-18.5	187	3.50	H	HP	PEAK	Run 1, sample 1, remote flat
3905.000	42.45	28.4	5.1	31.2	-14.9	-7.1	35.3	54.0	-18.7	350	3.30	V	HP	PEAK	Run 2, sample 1, remote standing
3037.210	48.40	27.8	4.3	30.4	-14.9	-8.0	40.4	60.8	-20.4	313	2.80	H	HP	PEAK	Run 3, sample 1, remote on its side
3471.110	42.35	28.2	4.6	30.1	-14.9	-8.4	34.0	60.8	-26.8	351	1.40	V	HP	PEAK	Run 1, sample 1, remote flat
1301.680	59.15	24.6	3.1	24.4	-14.9	-12.0	47.2	54.0	-6.8	84	1.10	V	HP	PEAK	Run 4, sample 2, remote standing
2603.320	61.95	27.6	4.0	29.2	-14.9	-9.3	52.6	60.8	-8.2	22	1.10	H	HP	PEAK	Run 4, sample 2, remote standing
1301.680	57.35	24.6	3.1	24.4	-14.9	-12.0	45.4	54.0	-8.6	0	1.00	H	HP	PEAK	Run 4, sample 2, remote standing
2169.420	61.60	26.9	3.6	28.7	-14.9	-9.5	52.1	60.8	-8.7	163	1.40	H	HP	PEAK	Run 4, sample 2, remote standing
2169.420	60.90	26.9	3.6	28.7	-14.9	-9.5	51.4	60.8	-9.4	93	1.50	V	HP	PEAK	Run 4, sample 2, remote standing
3905.000	50.35	28.4	5.1	31.2	-14.9	-7.1	43.2	54.0	-10.8	1	3.30	H	HP	PEAK	Run 4, sample 2, remote standing
2603.320	59.15	27.6	4.0	29.2	-14.9	-9.3	49.8	60.8	-11.0	112	2.10	V	HP	PEAK	Run 4, sample 2, remote standing
4338.900	47.60	29.0	5.7	31.9	-14.9	-6.3	41.3	54.0	-12.7	254	3.20	V	HP	PEAK	Run 4, sample 2, remote flat
4338.900	47.05	29.0	5.7	31.9	-14.9	-6.3	40.7	54.0	-13.3	50	3.50	H	HP	PEAK	Run 4, sample 2, remote flat
1735.520	58.30	26.5	3.4	26.8	-14.9	-11.2	47.1	60.8	-13.7	180	2.10	V	HP	PEAK	Run 4, sample 2, remote flat
3037.210	54.70	27.8	4.3	30.4	-14.9	-8.0	46.7	60.8	-14.1	264	3.20	H	HP	PEAK	Run 4, sample 2, remote on its side
3905.000	45.12	28.4	5.1	31.2	-14.9	-7.1	38.0	54.0	-16.0	21	3.20	V	HP	PEAK	Run 4, sample 2, remote standing
1735.520	55.70	26.5	3.4	26.8	-14.9	-11.2	44.5	60.8	-16.3	26	3.30	H	HP	PEAK	Run 4, sample 2, remote flat
3037.210	52.20	27.8	4.3	30.4	-14.9	-8.0	44.2	60.8	-16.6	7	3.50	V	HP	PEAK	Run 4, sample 2, remote on its side
3471.110	51.00	28.2	4.6	30.1	-14.9	-8.4	42.6	60.8	-18.2	175	3.40	H	HP	PEAK	Run 4, sample 2, remote flat
3471.110	44.20	28.2	4.6	30.1	-14.9	-8.4	35.8	60.8	-25.0	332	1.00	V	HP	PEAK	Run 4, sample 2, remote flat
1301.680	55.30	24.6	3.1	24.4	-14.9	-12.0	43.3	54.0	-10.7	263	3.20	H	HP	PEAK	Run 3, sample 1, remote on its side
1301.680	54.10	24.6	3.1	24.4	-14.9	-12.0	42.1	54.0	-11.9	193	3.30	V	HP	PEAK	Run 3, sample 1, remote on its side
1301.680	54.00	24.6	3.1	24.4	-14.9	-12.0	42.0	54.0	-12.0	310	3.20	V	HP	PEAK	Run 1, sample 1, remote flat
1301.680	53.70	24.6	3.1	24.4	-14.9	-12.0	41.7	54.0	-12.3	290	3.00	H	HP	PEAK	Run 1, sample 1, remote flat
1735.520	59.30	26.5	3.4	26.8	-14.9	-11.2	48.1	60.8	-12.7	143	1.60	V	HP	PEAK	Run 2, sample 1, remote standing
1735.520	58.95	26.5	3.4	26.8	-14.9	-11.2	47.8	60.8	-13.0	328	1.60	H	HP	PEAK	Run 3, sample 1, remote on its side
1735.520	58.45	26.5	3.4	26.8	-14.9	-11.2	47.3	60.8	-13.5	183	2.30	V	HP	PEAK	Run 3, sample 1, remote on its side

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DNB Engineering, Inc.
RADIATED EMISSIONS
Location #1 FCC Part 15 Class B

FCC ID: F2NURC440T
DATE: FEB. 27, 1998
REPORT # 86055-1

Client: Next Level Systems Inc.
Date : 26-Feb-98

File # 86055-1
Engr.: Stefen J. Munford

Rep. : Kerry Galloway
System: Universal Remote

Freq (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	Duty % Correction (dB)	Total Factors (dBuV/m)	Total (dBuV/m)	3 Meter FCC Limit (dBuV/m)	Delta (dB)	Azimuth (degree)	Height (m)	Hor/ Vert	HP/ R&S	Meas Type Ave Peak	Comments
1735.520	57.55	26.5	3.4	26.8	-14.9	-11.2	46.4	60.8	-14.4	219	3.30	H	HP	PEAK	Run 2, sample 1, remote standing
2169.420	58.05	26.9	3.6	28.7	-14.9	-9.5	48.5	60.8	-12.3	269	1.50	H	HP	PEAK	Run 1, sample 1, remote flat
2169.420	57.60	26.9	3.6	28.7	-14.9	-9.5	48.1	60.8	-12.7	232	3.50	H	HP	PEAK	Run 3, sample 1, remote on its side
2169.420	57.35	26.9	3.6	28.7	-14.9	-9.5	47.8	60.8	-13.0	2	1.40	V	HP	PEAK	Run 3, sample 1, remote on its side
2169.420	54.85	26.9	3.6	28.7	-14.9	-9.5	45.3	60.8	-15.5	326	3.00	V	HP	PEAK	Run 1, sample 1, remote flat
2603.320	59.95	27.6	4.0	29.2	-14.9	-9.3	50.6	60.8	-10.2	300	1.20	H	HP	PEAK	Run 3, sample 1, remote on its side
2603.320	58.05	27.6	4.0	29.2	-14.9	-9.3	48.7	60.8	-12.1	178	1.00	V	HP	PEAK	Run 1, sample 1, remote flat
2603.320	57.25	27.6	4.0	29.2	-14.9	-9.3	47.9	60.8	-12.9	54	3.30	H	HP	PEAK	Run 1, sample 1, remote flat
2603.320	56.35	27.6	4.0	29.2	-14.9	-9.3	47.0	60.8	-13.8	24	1.00	V	HP	PEAK	Run 3, sample 1, remote on its side
3037.210	56.05	27.8	4.3	30.4	-14.9	-8.0	48.0	60.8	-12.8	180	3.60	H	HP	PEAK	Run 1, sample 1, remote flat
3037.210	54.65	27.8	4.3	30.4	-14.9	-8.0	46.6	60.8	-14.2	83	3.50	V	HP	PEAK	Run 1, sample 1, remote flat
3037.210	53.40	27.8	4.3	30.4	-14.9	-8.0	45.4	60.8	-15.4	12	1.90	H	HP	PEAK	Run 2, sample 1, remote standing
3037.210	52.35	27.8	4.3	30.4	-14.9	-8.0	44.3	60.8	-16.5	332	1.10	V	HP	PEAK	Run 2, sample 1, remote standing
3471.110	46.90	28.2	4.6	30.1	-14.9	-8.4	38.5	60.8	-22.3	341	2.10	H	HP	PEAK	Run 2, sample 1, remote standing
3471.110	46.20	28.2	4.6	30.1	-14.9	-8.4	37.8	60.8	-23.0	282	3.20	V	HP	PEAK	Run 2, sample 1, remote standing
3471.110	43.90	28.2	4.6	30.1	-14.9	-8.4	35.5	60.8	-25.3	343	2.10	V	HP	PEAK	Run 3, sample 1, remote on its side
3471.110	42.15	28.2	4.6	30.1	-14.9	-8.4	33.8	60.8	-27.0	20	3.50	H	HP	PEAK	Run 3, sample 1, remote on its side
3905.000	42.20	28.4	5.1	31.2	-14.9	-7.1	35.1	54.0	-18.9	360	1.10	V	HP	PEAK	Run 3, sample 1, remote on its side
3905.000	41.00	28.4	5.1	31.2	-14.9	-7.1	33.9	54.0	-20.1	338	1.05	H	HP	PEAK	Run 3, sample 1, remote on its side
3905.000	40.80	28.4	5.1	31.2	-14.9	-7.1	33.7	54.0	-20.3	32	2.00	V	HP	PEAK	Run 1, sample 1, remote flat
3905.000	39.40	28.4	5.1	31.2	-14.9	-7.1	32.3	54.0	-21.7	352	2.10	H	HP	PEAK	Run 1, sample 1, remote flat
4338.900	44.40	29.0	5.7	31.9	-14.9	-6.3	38.1	54.0	-15.9	6	3.30	V	HP	PEAK	Run 2, sample 1, remote standing
4338.900	43.35	29.0	5.7	31.9	-14.9	-6.3	37.0	54.0	-17.0	96	3.30	H	HP	PEAK	Run 2, sample 1, remote standing
4338.900	42.45	29.0	5.7	31.9	-14.9	-6.3	36.1	54.0	-17.9	3	3.30	H	HP	PEAK	Run 3, sample 1, remote on its side
4338.900	40.05	29.0	5.7	31.9	-14.9	-6.3	33.7	54.0	-20.3	17	1.60	V	HP	PEAK	Run 3, sample 1, remote on its side

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3.4 Spurious Radiated Emissions - 15.231(b),15.205(a-c), 15.209(a-d)

The EUT was compliant with CFR 47, 15.231(b), 15.205(a), and 15.209(a) radiated emissions requirements.

Two samples of the EUT were tested and found to be compliant to FCC requirements.

The transmit frequency is 433.9 MHz. Only Harmonics of the fundamental transmit frequency were detected.

Radiated Emissions

per FCC part 15, Subpart C at 3 meters

Configuration A 433.9 MHz			***Next Level Systems Inc.***				*UNIVERSAL REMOTE m/n URC-440*		
Freq. (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	Duty % Correction (dB)	Total Factors (dB)	Corrected signal (dBuV/m)	Limit (dBuV/m)	Delta (dB)
1301.68	58.2	24.6	3.1	24.4	-14.9	-12.0	**46.2**	54.0	**-7.8**
2603.32	60.4	27.6	4.0	29.2	-14.9	-9.3	**51.1**	60.8	**-9.7**
1735.52	61.8	26.5	3.4	26.8	-14.9	-11.2	**50.6**	60.8	**-10.2**
2169.42	59.8	26.9	3.6	28.7	-14.9	-9.5	**50.2**	60.8	**-10.6**
2169.42	59.7	26.9	3.6	28.7	-14.9	-9.5	**50.1**	60.8	**-10.7**
1301.68	54.4	24.6	3.1	24.4	-14.9	-12.0	**42.4**	54.0	**-11.6**

Configuration B 433.9 MHz			***Next Level Systems Inc.***				***URC-440 IR/UHF REMOTE CONTROL***		
Freq. (MHz)	Meas'd (dBuV)	Amp Factors (dB)	Cable Factors (dB)	Antenna Factors (dB)	Duty % Correction (dB)	Total Factors (dB)	Corrected signal (dBuV/m)	Limit (dBuV/m)	Delta (dB)
1301.68	59.2	24.6	3.1	24.4	-14.9	-12.0	**47.2**	54.0	**-6.8**
2603.32	62.0	27.6	4.0	29.2	-14.9	-9.3	**52.6**	60.8	**-8.2**
1301.68	57.4	24.6	3.1	24.4	-14.9	-12.0	**45.4**	54.0	**-8.6**
2169.42	61.6	26.9	3.6	28.7	-14.9	-9.5	**52.1**	60.8	**-8.7**
2169.42	60.9	26.9	3.6	28.7	-14.9	-9.5	**51.4**	60.8	**-9.4**
3905.00	50.4	28.4	5.1	31.2	-14.9	-7.1	**43.2**	54.0	**-10.8**

For test results, refer to pages 31-32 and Appendix A.

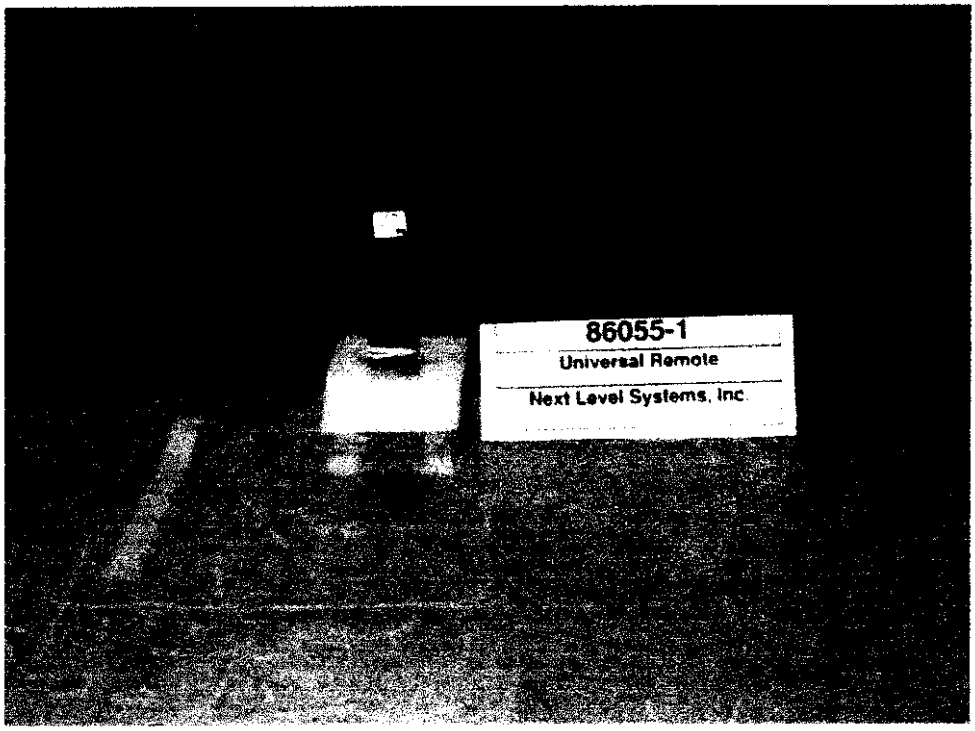
3.4.1 Photograph of Radiated Test Setup - per 2.1033(b)(7)

UNIVERSAL REMOTE m/n URC-440

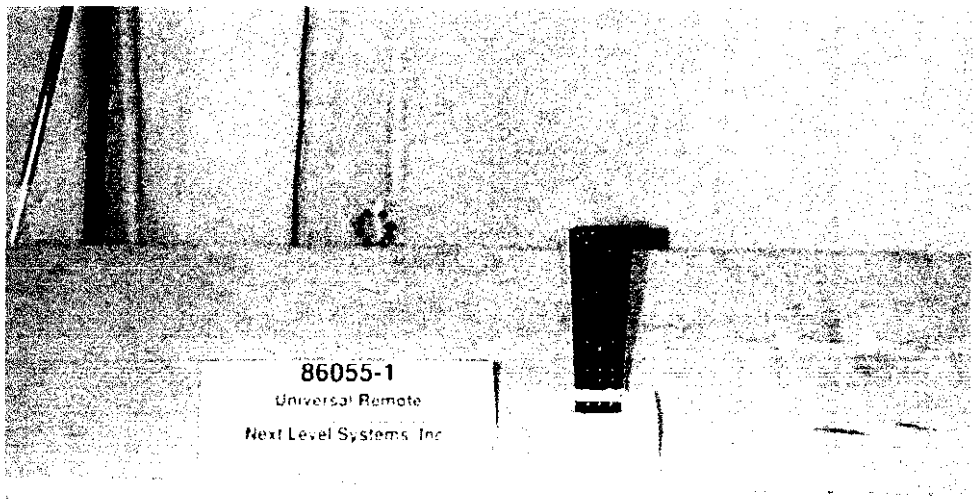
The EUT was tested in three orientations to determine worst case Emissions; with the EUT standing vertically on the end opposite the TX, horizontally laying flat with the buttons up, and on its side with the buttons in a vertical plane. Worst case emissions were reported.

Photo # 8. EUT Standing - Front View
Photo # 9. EUT Standing - Rear View
Photo # 10 EUT Side View
Photo # 11 EUT Side View
Photo # 12 EUT Flat - Front View
Photo # 13 EUT Flat - Rear View

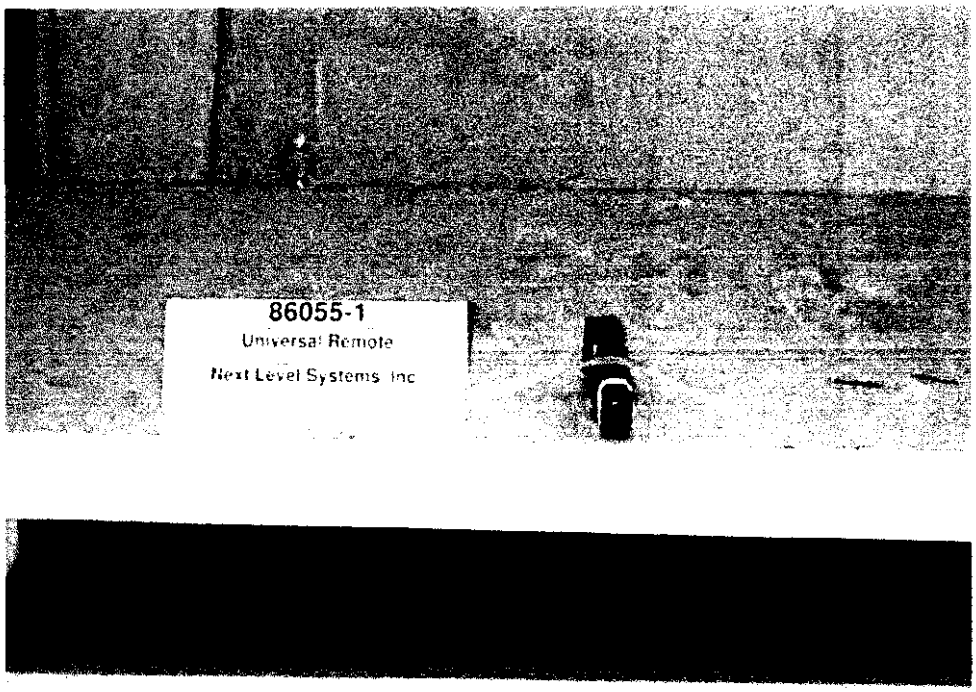
FCC ID: F2NURC440T
URC 440
Page # 34a Photo # 8
Radiated Emissions - EUT Standing



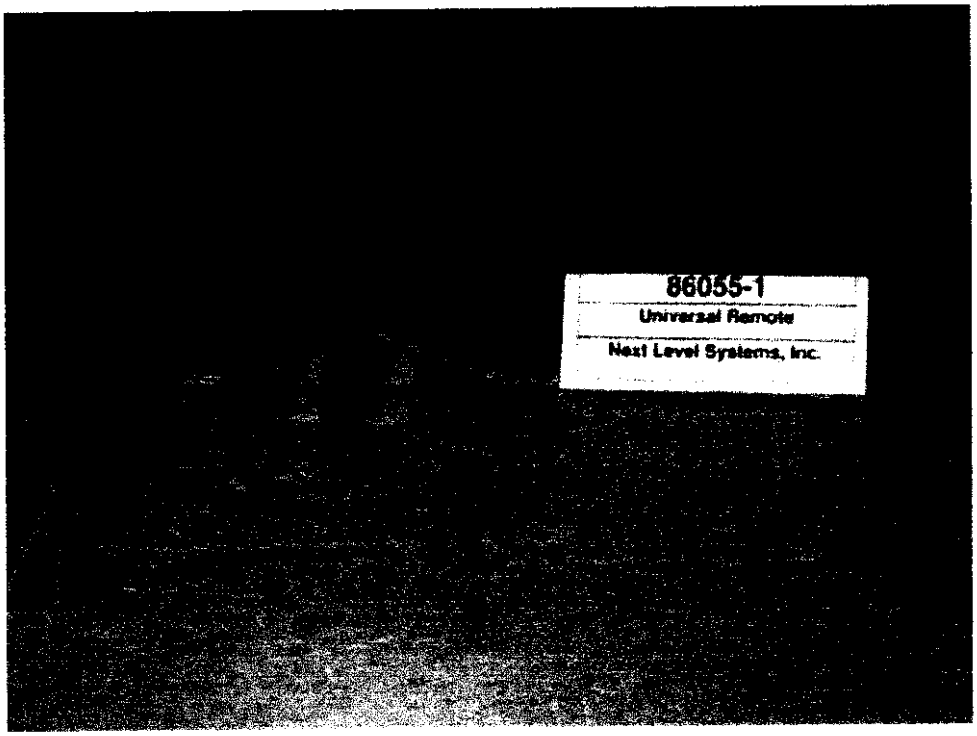
FCC ID: F2NURC440T
URC 440
Page # 34b Photo # 9
Radiated Emissions - EUT Standing



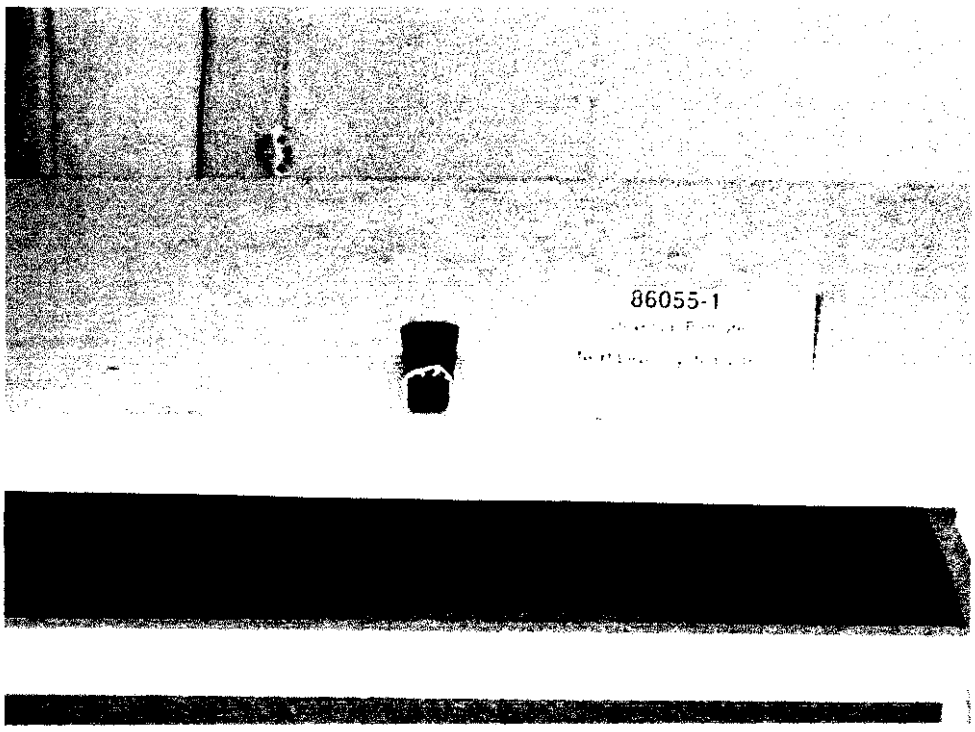
FCC ID: F2NURC440T
URC 440
Page # 34c Photo # 10
Radiated Emissions - EUT Side View



FCC ID: F2NURC440T
URC 440
Page # 34d Photo # 11
Radiated Emissions - EUT Side View



FCC ID: F2NURC440T
URC 440
Page # 34e Photo # 12
Radiated Emissions - EUT Flat



FCC ID: F2NURC440T
URC 440
Page # 34f Photo # 13
Radiated Emissions - EUT Flat