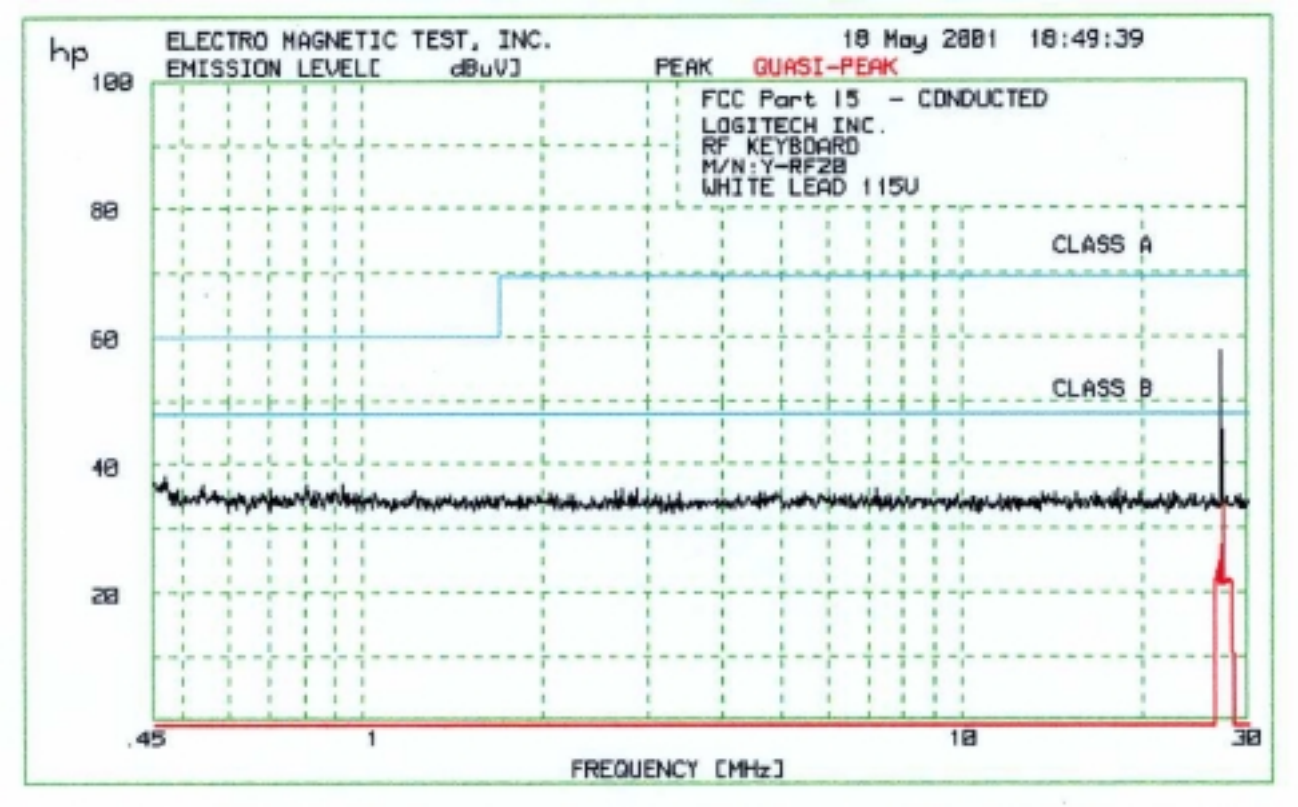

hp
ELECTRO MAGNETIC TEST, INC.
18 May 2001 18:49:39
EMISSION LEVEL[dBuV]
PEAK QUASI-PEAK
FCC Part 15 - CONDUCTED
LOGITECH INC.
RF KEYBOARD
M/N:Y-RF28
WHITE LEAD 115V
CLASS A
CLASS B
100
80
60
40
20
.45
1
10
30
FREQUENCY [MHz]

```
=====================================================
ELECTRO MAGNETIC TEST, INC.      18 May 2001  18:49:39
=====================================================
 1. CONDUCTED WITH PRESELECTOR
    1.1  FCC Part 15  - CONDUCTED
=====================================================
45 highest Peaks above -50 dB of Limit Line #2
  peak criteria = .1 dB
```

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	27.13	57.6	9.6
2	.4713	38	-10.0
3	.4673	37.1	-10.9
4	.5435	36.9	-11.1
5	.4615	36.8	-11.2
6	.9338	36.8	-11.2
7	.8131	36.6	-11.4
8	.4576	36.5	-11.5
9	.4935	36.1	-11.9
10	.7079	36.1	-11.9
11	7.235	36.1	-11.9
12	2.722	36	-12.0
13	18.29	36	-12.0
14	2.887	35.9	-12.1
15	.8373	35.8	-12.2
16	.5668	35.7	-12.3
17	.574	35.7	-12.3
18	.903	35.7	-12.3
19	1.227	35.7	-12.3
20	2.654	35.6	-12.4
21	.4812	35.5	-12.5
22	.5481	35.5	-12.5
23	.6817	35.5	-12.5
24	.7862	35.5	-12.5
25	.8805	35.5	-12.5
26	.8917	35.5	-12.5
27	1.055	35.5	-12.5
28	2.064	35.5	-12.5
29	4.716	35.5	-12.5
30	5.485	35.5	-12.5
31	14.34	35.5	-12.5
32	15.59	35.5	-12.5
33	.4873	35.4	-12.6
34	.6242	35.4	-12.6
35	.7797	35.4	-12.6
36	.9576	35.4	-12.6
37	3.4	35.4	-12.6
38	4.638	35.4	-12.6
39	13.63	35.4	-12.6
40	17.98	35.4	-12.6
41	.8515	35.3	-12.7
42	.982	35.3	-12.7
43	2.815	35.3	-12.7
44	4.939	35.3	-12.7
45	16.74	35.3	-12.7

```
======================================================
ELECTRO MAGNETIC TEST, INC.      18 May 2001  18:49:39
======================================================
 1. CONDUCTED WITH PRESELECTOR
    1.1  FCC Part 15  - CONDUCTED
======================================================
Quasi-Peaks above -50 dB of Limit Line #2
  peak criteria = .1 dB

PEAK#    FREQ (MHz)       (dBuV)        DELTA
  1       27.24            34.2         -13.8
  2       26.79            24.5         -23.5
  3       27.82            21.8         -26.2
```

EMT *ELECTRO MAGNETIC TEST, INC.*
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

FRONT VIEW

LOGITECH, INC.
RF KEYBOARD
MODEL: Y-RE20
FCC CLASS B - CONDUCTED EMISSIONS – 5-18-01

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

EMT

ELECTRO MAGNETIC TEST, INC.

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

REAR VIEW

LOGITECH, INC.
RF KEYBOARD
MODEL: Y-RE20
FCC CLASS B - CONDUCTED EMISSIONS – 5-18-01

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

EMT

ELECTRO MAGNETIC TEST, INC.

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

RADIATED AND CONDUCTED EMISSIONS DATA SHEETS MODEL: Y-RF21

Electro Magnetic Test, Inc.
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

Radiated Emissions Test Data

Purpose of Test: [X] QUALIFICATION [] ENGINEERING [] MANUFACTURING AUDIT
FCC Class B Test Date: 05-18-01
Company Name: LOGITECH
EUT Model Number: Y-RF21
EUT Serial Number: 028
EUT Description: RF KEYBOARD

Test Setup Configuration

EUT Clock Speeds:

EUT Power Cords: [] SHIELDED [X] NOT SHIELDED
EUT tested at: [] LOW SPEED [] HIGH SPEED
EUT is: [X] IN COMPLIANCE [] OUT OF COMPLIANCE with FCC Class B.

EUT Modifications during this test:
[] MODIFIED [X] NOT MODIFIED

Modifications: _____

_____

_____

NOTE: A formal report on passing data will be generated when required.
Design, debug and consultation services are available at all times.

Test Engineer: MICHAEL FENNELL

Electro Magnetic Test, Inc.
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

FCC Class B Test Date: 05-18-01
Company Name: LOGITECH
EUT Model Number: Y-RF21
EUT Description: RF KEYBOARD

RADIATED EMISSION TEST RESULTS

Freq MHz	Ampl dBuV	M	P	A	Ht m	Dist m	Ori deg	Gain dB	ACor dBuV/m	CCor dB	DCor dB	CorAmp dBuV/m	Limit dBuV/m	Margin dB	Flags FH---
THE FOLLOWING READINGS ARE FOR THE TRANSMITTER PORTION OF THE EUT (FCC PART 15.227) (FIELD STRENGTH OF FUNDAMENTAL EMISSIONS)															
VERTICAL POLARIZATION															
-FUNDAMENTAL, CHANNEL 1															
27.093	49.6	P	V	M	1.0	3.0	45	0.0	5.5	0.9	0.0	56.0	80.0	-24.0	-----
-FUNDAMENTAL, CHANNEL 2															
27.149	49.9	P	V	M	1.0	3.0	45	0.0	5.5	0.9	0.0	56.3	80.0	-23.7	-----
HORIZONTAL POLARIZATION															
-FUNDAMENTAL, CHANNEL 1															
27.094	45.3	P	H	M	1.0	3.0	180	0.0	5.5	0.9	0.0	51.7	80.0	-28.3	-----
-FUNDAMENTAL, CHANNEL 2															
27.149	44.9	P	H	M	1.0	3.0	180	0.0	5.5	0.9	0.0	51.3	80.0	-28.7	-----
THE FOLLOWING READINGS ARE FOR THE TRANSMITTER PORTION OF THE EUT (FCC PART 15.209) (FIELD STRENGTH OF HARMONICS AND SPURIOUS EMISSIONS)															
SINCE CHANNEL 1 AND CHANNEL 2 HAVE NEARLY IDENTICAL READINGS, THE FOLLOWING READINGS WERE TAKEN WITH THE EUT TRANSMITTING ON CHANNEL 2.															
VERTICAL POLARIZATION															
-2nd HARMONIC-															
54.290	39.7	P	V	B	1.0	3.0	225	21.8	10.7	1.3	0.0	29.9	40.0	-10.1	-----
-3rd HARMONIC-															
81.435	39.5	P	V	B	1.0	3.0	180	21.8	9.3	1.7	0.0	28.7	40.0	-11.3	-----
-4th HARMONIC-															
108.580	37.7	P	V	B	1.0	3.0	225	21.7	10.1	1.9	0.0	28.0	43.5	-15.5	-----
-5th HARMONIC-															
135.721	31.1	P	V	B	1.0	3.0	315	21.7	11.7	2.0	0.0	23.1	43.5	-20.4	-----
-6th HARMONIC-															
162.864	37.4	P	V	B	1.0	3.0	315	21.8	13.6	2.2	0.0	31.4	43.5	-12.1	-----
-7th HARMONIC-															
190.009	34.2	P	V	B	1.0	3.0	225	21.7	15.4	2.4	0.0	30.3	43.5	-13.2	-----
-8th HARMONIC-															
217.162	28.1	P	V	B	1.5	3.0	225	21.7	16.7	2.6	0.0	25.7	46.0	-20.3	-----
-9th HARMONIC-															
244.305	31.5	P	V	B	1.0	3.0	315	21.6	18.1	2.7	0.0	30.7	46.0	-15.3	-----
-10th HARMONIC-															
271.441	27.1	P	V	B	1.0	3.0	225	21.5	20.3	2.8	0.0	28.7	46.0	-17.3	-----
HORIZONTAL POLARIZATION															
-2nd HARMONIC-															
54.290	38.8	P	H	B	1.5	3.0	180	21.8	10.7	1.3	0.0	29.0	40.0	-11.0	-----
-3rd HARMONIC-															
81.433	37.3	P	H	B	1.5	3.0	270	21.8	9.3	1.7	0.0	26.5	40.0	-13.5	-----

-4th HARMONIC-												
108.578	42.8	P	H	B	1.5	3.0	315	21.7	10.1	1.9	0.0	33.1	43.5	-10.4	-----
-5th HARMONIC-												
135.726	35.8	P	H	B	1.5	3.0	225	21.7	11.7	2.0	0.0	27.8	43.5	-15.7	-----
-6th HARMONIC-												
162.861	37.1	P	H	B	1.0	3.0	225	21.8	13.6	2.2	0.0	31.1	43.5	-12.4	-----
-7th HARMONIC-												
190.011	30.5	P	H	B	1.0	3.0	135	21.7	15.4	2.4	0.0	26.6	43.5	-16.9	-----
-8th HARMONIC-												
217.160	31.0	P	H	B	1.5	3.0	225	21.7	16.7	2.6	0.0	28.6	46.0	-17.4	-----
-9th HARMONIC-												
244.304	35.0	P	H	B	1.5	3.0	225	21.6	18.1	2.7	0.0	34.2	46.0	-11.8	-----
-10th HARMONIC-												
271.443	29.4	P	H	B	1.5	3.0	180	21.5	20.3	2.8	0.0	31.0	46.0	-15.0	-----

THE FOLLOWING READINGS ARE SPURIOUS EMISSIONS (30-1000MHz)

VERTICAL POLARIZATION															
64.508	41.3	P	V	B	1.5	3.0	0	21.7	10.4	1.5	0.0	31.5	40.0	-8.5	-----
137.410	39.2	P	V	B	1.5	3.0	225	21.7	11.8	2.0	0.0	31.3	43.5	-12.2	-----
165.473	40.3	P	V	B	1.0	3.0	180	21.8	13.8	2.2	0.0	34.5	43.5	-9.0	-----
171.068	36.3	P	V	B	1.5	3.0	0	21.8	14.1	2.3	0.0	30.9	43.5	-12.6	-----
232.762	38.5	P	V	B	2.0	3.0	135	21.7	17.4	2.6	0.0	36.8	46.0	-9.2	-----
241.166	35.2	P	V	B	1.5	3.0	315	21.7	17.9	2.7	0.0	34.1	46.0	-11.9	-----
263.602	33.7	P	V	B	1.5	3.0	135	21.5	19.6	2.8	0.0	34.6	46.0	-11.4	-----
308.492	36.8	P	V	L	1.0	3.0	180	21.7	15.4	3.0	0.0	33.5	46.0	-12.5	-----
311.301	32.8	P	V	L	1.0	3.0	315	21.7	15.4	3.0	0.0	29.5	46.0	-16.5	-----
314.093	35.4	P	V	L	1.0	3.0	225	21.7	15.3	3.0	0.0	32.0	46.0	-14.0	-----
316.897	33.6	P	V	L	1.0	3.0	0	21.7	15.2	3.0	0.0	30.1	46.0	-15.9	-----
342.133	31.2	P	V	L	1.5	3.0	90	21.8	14.7	3.2	0.0	27.3	46.0	-18.7	-----
358.949	30.6	P	V	L	1.0	3.0	180	21.7	14.7	3.3	0.0	26.9	46.0	-19.1	-----
448.708	31.4	P	V	L	2.0	3.0	180	21.4	17.7	3.6	0.0	31.3	46.0	-14.7	-----
HORIZONTAL POLARIZATION															
64.508	32.4	P	H	B	1.5	3.0	135	21.7	10.4	1.5	0.0	22.6	40.0	-17.4	-----
137.410	39.7	P	H	B	2.0	3.0	270	21.7	11.8	2.0	0.0	31.8	43.5	-11.7	-----
165.473	38.8	P	H	B	1.0	3.0	225	21.8	13.8	2.2	0.0	33.0	43.5	-10.5	-----
171.068	41.1	P	H	B	1.0	3.0	270	21.8	14.1	2.3	0.0	35.7	43.5	-7.8	-----
232.762	45.2	P	H	B	1.0	3.0	270	21.7	17.4	2.6	0.0	43.5	46.0	-2.5	-----
232.762	43.3	Q	H	B	1.0	3.0	270	21.7	17.4	2.6	0.0	41.6	46.0	-4.4	-----
241.166	40.5	P	H	B	1.0	3.0	90	21.7	17.9	2.7	0.0	39.4	46.0	-6.6	-----
263.602	41.3	P	H	B	1.0	3.0	225	21.5	19.6	2.8	0.0	42.2	46.0	-3.8	-----
308.492	36.4	P	H	L	1.5	3.0	270	21.7	15.4	3.0	0.0	33.1	46.0	-12.9	-----
311.301	38.4	P	H	L	1.0	3.0	180	21.7	15.4	3.0	0.0	35.1	46.0	-10.9	-----
314.093	41.2	P	H	L	1.0	3.0	180	21.7	15.3	3.0	0.0	37.8	46.0	-8.2	-----
316.897	40.2	P	H	L	1.0	3.0	180	21.7	15.2	3.0	0.0	36.7	46.0	-9.3	-----
342.133	35.6	P	H	L	1.0	3.0	45	21.8	14.7	3.2	0.0	31.7	46.0	-14.3	-----
358.949	37.7	P	H	L	1.0	3.0	180	21.7	14.7	3.3	0.0	34.0	46.0	-12.0	-----
448.708	29.1	P	H	L	1.0	3.0	90	21.4	17.7	3.6	0.0	29.0	46.0	-17.0	-----

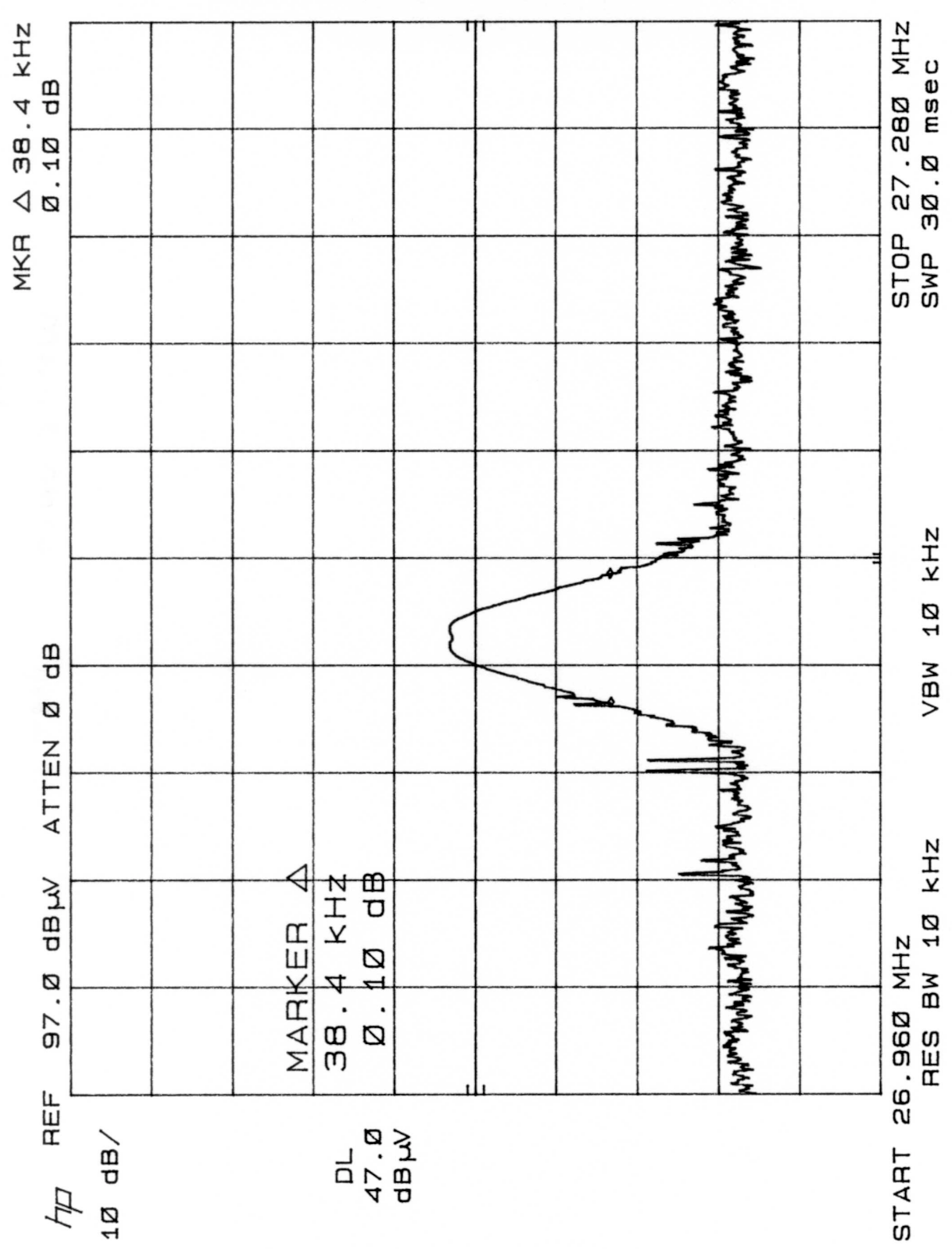
THE FOLLOWING READINGS ARE FOR THE DIGITAL DEVICE PORTION OF THE EUT
FCC PART 15.109 (30-1000MHz)

VERTICAL POLARIZATION															
45.385	40.1	P	V	B	1.5	3.0	225	21.8	10.7	1.3	0.0	30.3	40.0	-9.7	-----
54.420	47.5	P	V	B	1.0	3.0	90	21.8	10.7	1.3	0.0	37.7	40.0	-2.3	-----
54.420	45.2	Q	V	B	1.0	3.0	90	21.8	10.7	1.3	0.0	35.4	40.0	-4.6	-----

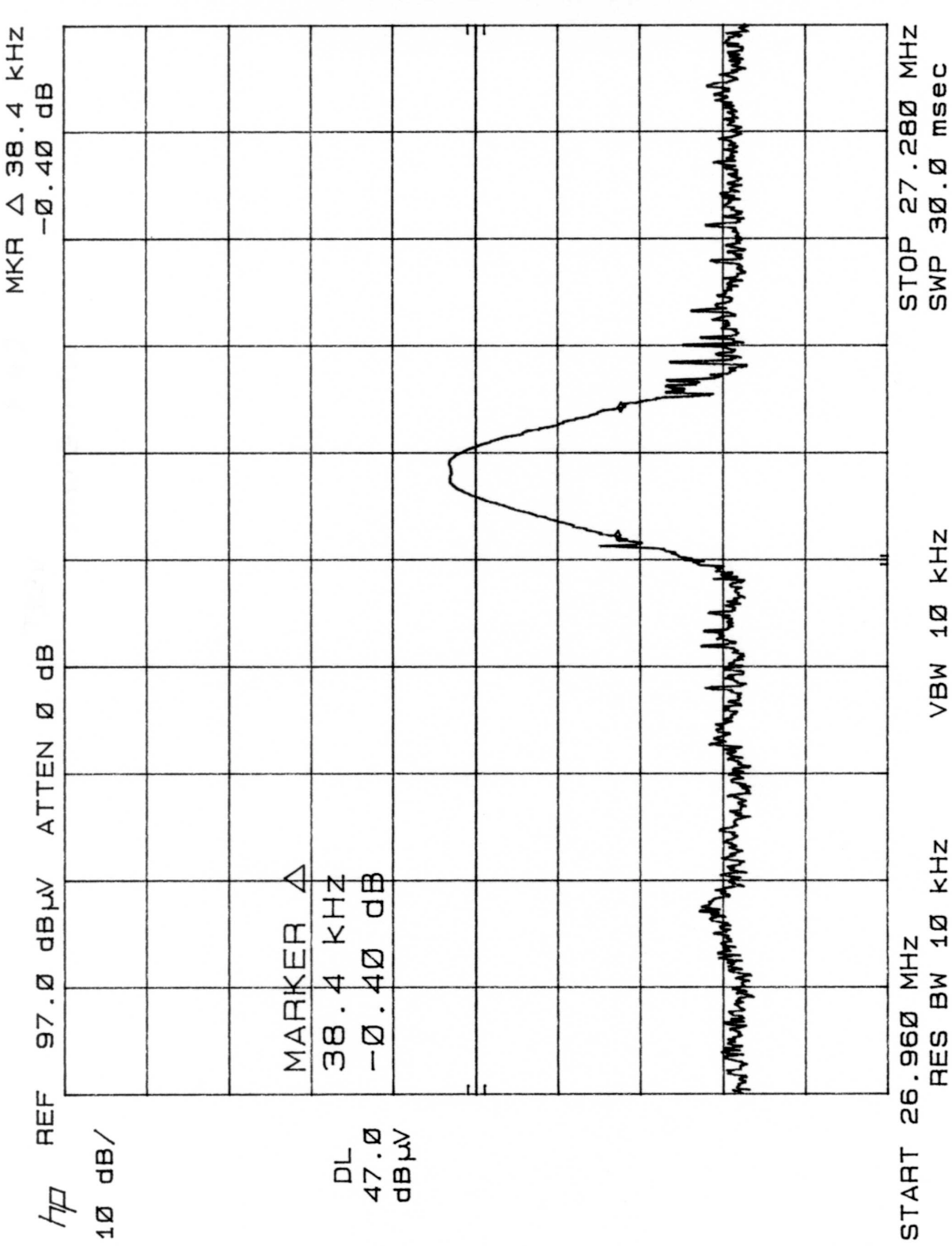
70.819	38.1	P	V	B	1.0	3.0	135	21.7	10.1	1.6	0.0	28.1	40.0	-11.9	-----
116.760	35.6	P	V	B	1.0	3.0	135	21.7	10.5	1.9	0.0	26.3	43.5	-17.2	-----
128.002	40.5	P	V	B	1.0	3.0	270	21.7	11.1	1.9	0.0	31.8	43.5	-11.7	-----
142.423	33.9	P	V	B	1.5	3.0	180	21.8	12.2	2.0	0.0	26.3	43.5	-17.2	-----
156.813	35.2	P	V	B	1.5	3.0	225	21.8	13.2	2.2	0.0	28.8	43.5	-14.7	-----
227.167	34.0	P	V	B	1.0	3.0	45	21.8	17.1	2.6	0.0	31.9	46.0	-14.1	-----
300.036	35.2	P	V	L	1.0	3.0	45	21.7	15.6	2.9	0.0	32.0	46.0	-14.0	-----
312.018	32.9	P	V	L	1.0	3.0	90	21.7	15.3	3.0	0.0	29.5	46.0	-16.5	-----
320.011	32.3	P	V	L	1.0	3.0	45	21.7	15.2	3.0	0.0	28.8	46.0	-17.2	-----
336.011	36.1	P	V	L	1.0	3.0	315	21.8	14.8	3.1	0.0	32.2	46.0	-13.8	-----
348.039	28.3	P	V	L	1.5	3.0	0	21.8	14.5	3.2	0.0	24.2	46.0	-21.8	-----
360.021	31.7	P	V	L	1.5	3.0	270	21.7	14.7	3.3	0.0	28.0	46.0	-18.0	-----
372.021	31.0	P	V	L	1.0	3.0	180	21.6	15.0	3.3	0.0	27.7	46.0	-18.3	-----
384.012	42.2	P	V	L	1.0	3.0	270	21.5	15.3	3.4	0.0	39.4	46.0	-6.6	-----
432.032	32.5	P	V	L	1.5	3.0	225	21.4	17.0	3.6	0.0	31.7	46.0	-14.3	-----
480.046	29.4	P	V	L	1.5	3.0	90	21.5	17.5	3.8	0.0	29.2	46.0	-16.8	-----
499.006	34.5	P	V	L	1.0	3.0	135	21.5	17.3	3.9	0.0	34.2	46.0	-11.8	-----
528.040	30.7	P	V	L	1.0	3.0	90	21.5	18.3	4.0	0.0	31.5	46.0	-14.5	-----
576.030	29.6	P	V	L	1.0	3.0	315	21.3	19.7	4.2	0.0	32.2	46.0	-13.8	-----
672.022	30.8	P	V	L	1.0	3.0	225	21.0	20.2	4.7	0.0	34.7	46.0	-11.3	-----

HORIZONTAL POLARIZATION

45.385	34.7	P	H	B	2.0	3.0	135	21.8	10.7	1.3	0.0	24.9	40.0	-15.1	-----
54.420	44.6	P	H	B	2.0	3.0	225	21.8	10.7	1.3	0.0	34.8	40.0	-5.2	-----
70.819	40.4	P	H	B	1.0	3.0	270	21.7	10.1	1.6	0.0	30.4	40.0	-9.6	-----
116.760	38.8	P	H	B	1.0	3.0	135	21.7	10.5	1.9	0.0	29.5	43.5	-14.0	-----
128.021	36.7	P	H	B	1.5	3.0	0	21.7	11.1	1.9	0.0	28.0	43.5	-15.5	-----
142.442	33.4	P	H	B	2.0	3.0	270	21.8	12.2	2.0	0.0	25.8	43.5	-17.7	-----
156.832	38.0	P	H	B	1.5	3.0	135	21.8	13.2	2.2	0.0	31.6	43.5	-11.9	-----
227.168	45.0	P	H	B	1.0	3.0	270	21.8	17.1	2.6	0.0	42.9	46.0	-3.1	-----
227.168	42.4	Q	H	B	1.0	3.0	270	21.8	17.1	2.6	0.0	40.3	46.0	-5.7	-----
300.010	36.9	P	H	L	1.0	3.0	135	21.7	15.6	2.9	0.0	33.7	46.0	-12.3	-----
311.992	38.6	P	H	L	1.0	3.0	270	21.7	15.3	3.0	0.0	35.2	46.0	-10.8	-----
320.008	35.9	P	H	L	1.0	3.0	45	21.7	15.2	3.0	0.0	32.4	46.0	-13.6	-----
336.008	43.4	P	H	L	1.0	3.0	135	21.8	14.8	3.1	0.0	39.5	46.0	-6.5	-----
348.036	36.4	P	H	L	1.0	3.0	45	21.8	14.5	3.2	0.0	32.3	46.0	-13.7	-----
360.018	38.9	P	H	L	1.0	3.0	135	21.7	14.7	3.3	0.0	35.2	46.0	-10.8	-----
372.018	34.5	P	H	L	1.0	3.0	180	21.6	15.0	3.3	0.0	31.2	46.0	-14.8	-----
384.009	45.1	P	H	L	1.0	3.0	225	21.5	15.3	3.4	0.0	42.3	46.0	-3.7	-----
384.009	43.1	Q	H	L	1.0	3.0	225	21.5	15.3	3.4	0.0	40.3	46.0	-5.7	-----
432.032	35.5	P	H	L	1.0	3.0	45	21.4	17.0	3.6	0.0	34.7	46.0	-11.3	-----
480.046	35.7	P	H	L	1.0	3.0	45	21.5	17.5	3.8	0.0	35.5	46.0	-10.5	-----
499.006	34.9	P	H	L	1.0	3.0	225	21.5	17.3	3.9	0.0	34.6	46.0	-11.4	-----
528.040	30.3	P	H	L	1.0	3.0	90	21.5	18.3	4.0	0.0	31.1	46.0	-14.9	-----
576.030	32.3	P	H	L	1.0	3.0	0	21.3	19.7	4.2	0.0	34.9	46.0	-11.1	-----
672.022	31.1	P	H	L	1.0	3.0	225	21.0	20.2	4.7	0.0	35.0	46.0	-11.0	-----



MODEL: Y-RF21 – CHANNEL 1
PLOT SHOWING BANDWIDTH OF FUNDAMENTAL FREQUENCY



MODEL: Y-RF21 – CHANNEL 2
PLOT SHOWING BANDWIDTH OF FUNDAMENTAL FREQUENCY

EMT

ELECTRO MAGNETIC TEST, INC.

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FRONT VIEW

LOGITECH, INC.
RF KEYBOARD
MODEL: Y-RF21
FCC CLASS B - RADIATED EMISSIONS – 5-16-01 & 5-18-01

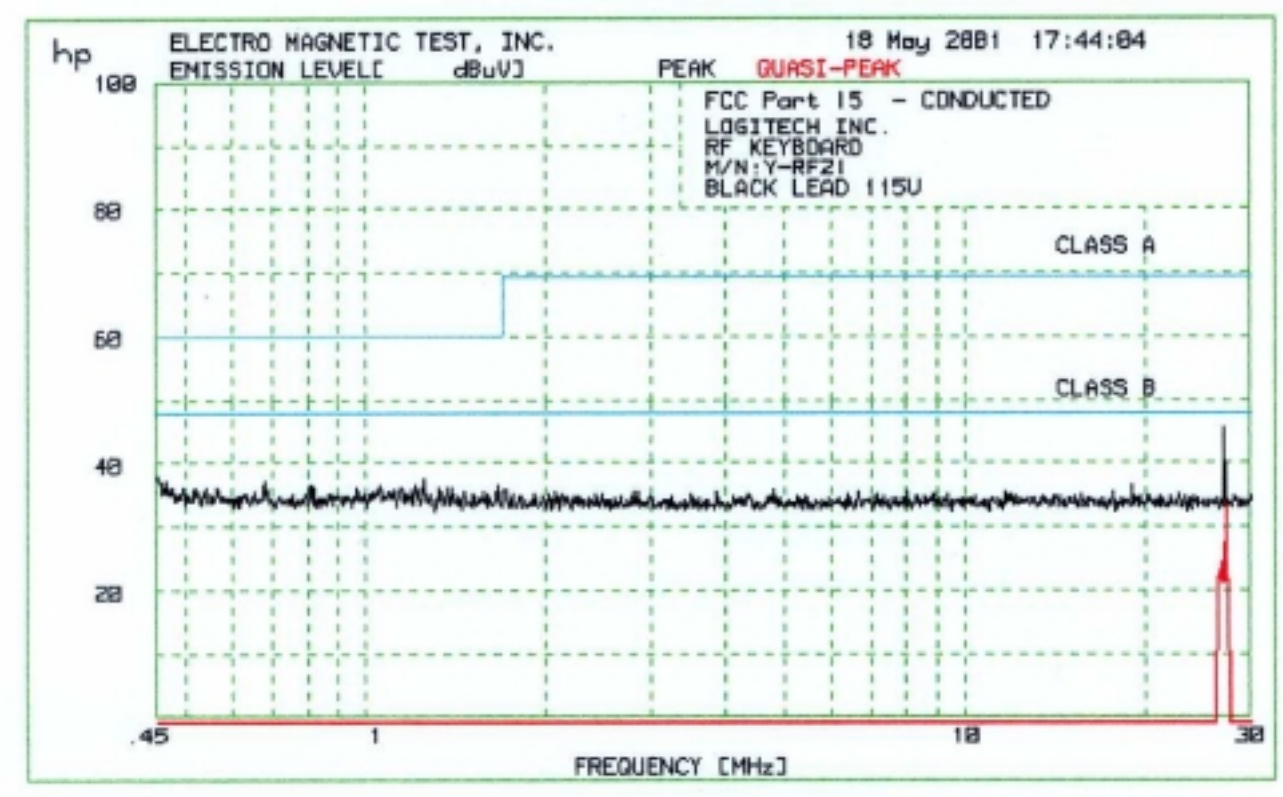
PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

EMT *ELECTRO MAGNETIC TEST, INC.*
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

REAR VIEW

LOGITECH, INC.
RF KEYBOARD
MODEL: Y-RF21
FCC CLASS B - RADIATED EMISSIONS – 5-16-01 & 5-18-01

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

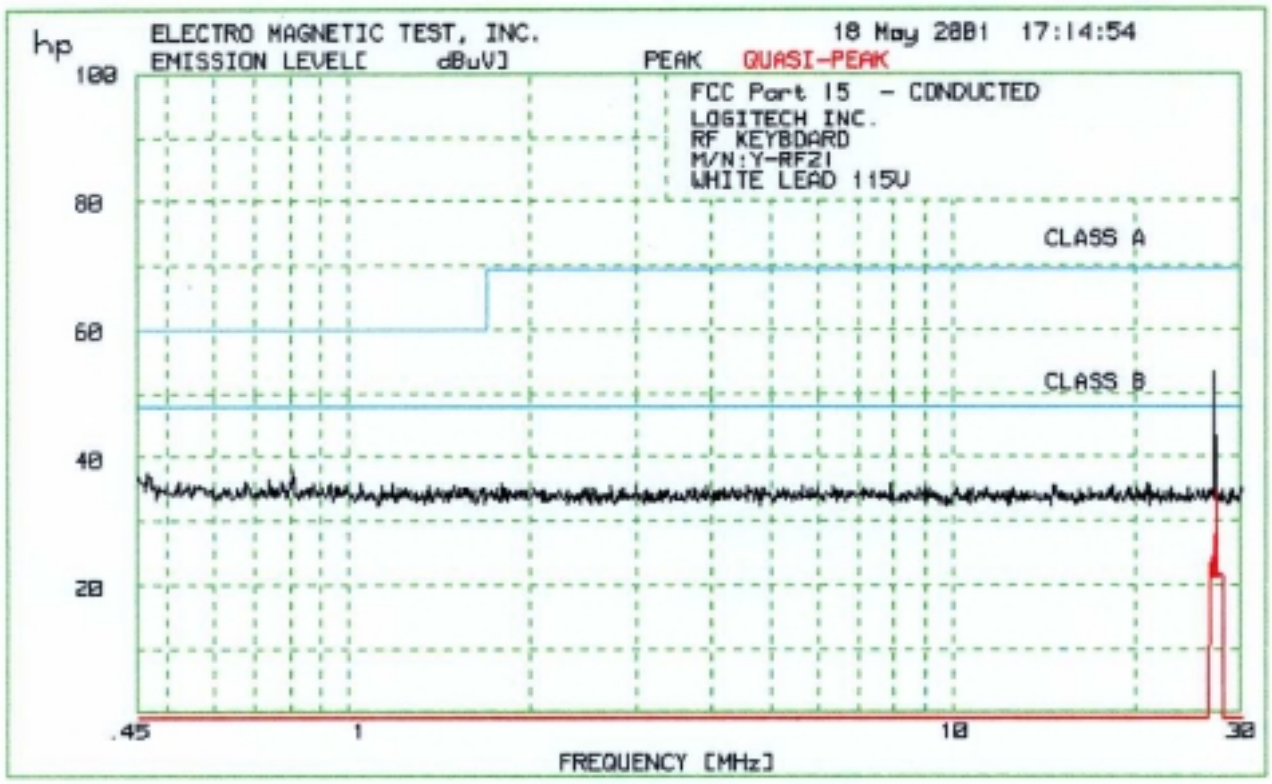

hp
ELECTRO MAGNETIC TEST, INC.
18 May 2001 17:44:04
EMISSION LEVEL[dBuV]
PEAK QUASI-PEAK
FCC Part 15 - CONDUCTED
LOGITECH INC.
RF KEYBOARD
M/N:Y-RF21
BLACK LEAD 115V
CLASS A
CLASS B
100
80
60
40
20
.45
1
10
30
FREQUENCY [MHz]

```
=====================================================
ELECTRO MAGNETIC TEST, INC.      18 May 2001  17:44:04
=====================================================
 1. CONDUCTED WITH PRESELECTOR
    1.1  FCC Part 15  - CONDUCTED
=====================================================
45 highest Peaks above -50 dB of Limit Line #2
  peak criteria = .1 dB
```

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	27.13	45.6	-2.4
2	1.258	37.5	-10.5
3	.4654	37.2	-10.8
4	.6846	37	-11.0
5	.6789	36.5	-11.5
6	.8165	36.5	-11.5
7	1.673	36.5	-11.5
8	1.221	36.4	-11.6
9	19.07	36.4	-11.6
10	1.064	36.3	-11.7
11	1.379	36.2	-11.8
12	.4792	36.1	-11.9
13	.4693	36	-12.0
14	.5692	36	-12.0
15	.8234	36	-12.0
16	1.334	36	-12.0
17	1.403	36	-12.0
18	.4998	35.9	-12.1
19	.5234	35.9	-12.1
20	.5435	35.9	-12.1
21	.9738	35.9	-12.1
22	1.152	35.9	-12.1
23	1.123	35.8	-12.2
24	1.196	35.8	-12.2
25	.519	35.7	-12.3
26	1.723	35.7	-12.3
27	4.836	35.6	-12.4
28	2.875	35.5	-12.5
29	11.72	35.5	-12.5
30	17.68	35.5	-12.5
31	.5278	35.4	-12.6
32	.6564	35.4	-12.6
33	1.037	35.4	-12.6
34	1.095	35.4	-12.6
35	1.469	35.4	-12.6
36	2.827	35.4	-12.6
37	1.104	35.3	-12.7
38	1.578	35.3	-12.7
39	2.081	35.3	-12.7
40	3.872	35.3	-12.7
41	6.653	35.3	-12.7
42	8.035	35.3	-12.7
43	.6374	35.2	-12.8
44	.7603	35.2	-12.8
45	1.028	35.2	-12.8

```
======================================================
ELECTRO MAGNETIC TEST, INC.      18 May 2001  17:44:04
======================================================
 1. CONDUCTED WITH PRESELECTOR
    1.1  FCC Part 15  - CONDUCTED
======================================================
Quasi-Peaks above -50 dB of Limit Line #2
  peak criteria = .1 dB

PEAK#    FREQ (MHz)       (dBuV)        DELTA
  1       27.24            34.1         -13.9
  2       26.79            24.3         -23.7
  3       26.34            22           -26.0
```


hp
ELECTRO MAGNETIC TEST, INC.
18 May 2001 17:14:54
EMISSION LEVEL[dBuV]
PEAK QUASI-PEAK
FCC Part 15 - CONDUCTED
LOGITECH INC.
RF KEYBOARD
M/N:Y-RFZI
WHITE LEAD 115V
CLASS A
CLASS B
100
80
60
40
20
.45
1
10
30
FREQUENCY [MHz]

```
=====================================================
ELECTRO MAGNETIC TEST, INC.      18 May 2001  17:14:54
=====================================================
 1. CONDUCTED WITH PRESELECTOR
    1.1  FCC Part 15  - CONDUCTED
=====================================================
45 highest Peaks above -50 dB of Limit Line #2
  peak criteria = .1 dB
```

PEAK#	FREQ (MHz)	(dBuV)	DELTA
1	27.13	53.2	5.2
2	.8131	37.6	-10.4
3	.4673	37.3	-10.7
4	.4713	36.9	-11.1
5	.7445	36.3	-11.7
6	.5256	36.2	-11.8
7	.7797	36.1	-11.9
8	.6789	36	-12.0
9	.4615	35.9	-12.1
10	1.186	35.8	-12.2
11	7.935	35.8	-12.2
12	21.09	35.8	-12.2
13	.9377	35.7	-12.3
14	1.055	35.7	-12.3
15	1.804	35.7	-12.3
16	.5458	35.6	-12.4
17	.8805	35.6	-12.4
18	.4772	35.5	-12.5
19	.5597	35.5	-12.5
20	.574	35.5	-12.5
21	.9616	35.5	-12.5
22	1.147	35.5	-12.5
23	2.733	35.5	-12.5
24	3.938	35.5	-12.5
25	4.599	35.5	-12.5
26	5.672	35.5	-12.5
27	.4873	35.4	-12.6
28	.5668	35.4	-12.6
29	.7862	35.4	-12.6
30	.9986	35.4	-12.6
31	1.507	35.4	-12.6
32	3.01	35.4	-12.6
33	6.379	35.4	-12.6
34	.5019	35.3	-12.7
35	1.362	35.3	-12.7
36	14.64	35.3	-12.7
37	14.76	35.3	-12.7
38	18.44	35.3	-12.7
39	21.27	35.3	-12.7
40	.5812	35.2	-12.8
41	.7539	35.2	-12.8
42	.8586	35.2	-12.8
43	.9697	35.2	-12.8
44	1.253	35.2	-12.8
45	1.526	35.2	-12.8

```
=====================================================
ELECTRO MAGNETIC TEST, INC.      18 May 2001  17:14:54
=====================================================
 1. CONDUCTED WITH PRESELECTOR
    1.1  FCC Part 15  - CONDUCTED
=====================================================
Quasi-Peaks above -50 dB of Limit Line #2
  peak criteria = .1 dB

PEAK#    FREQ (MHz)       (dBuV)        DELTA
  1       27.24            34.8         -13.2
  2       26.79            24.3         -23.7
  3       27.59            21.6         -26.4
```

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FRONT VIEW

LOGITECH, INC.
RF KEYBOARD
MODEL: Y-RF21
FCC CLASS B - CONDUCTED EMISSIONS – 5-18-01

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

EMT

ELECTRO MAGNETIC TEST, INC.

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

REAR VIEW

LOGITECH, INC.
RF KEYBOARD
MODEL: Y-RF21
FCC CLASS B - CONDUCTED EMISSIONS – 5-18-01

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

EMT *ELECTRO MAGNETIC TEST, INC.*
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

APPENDIX B

TEST SETUP DIAGRAMS

EMT
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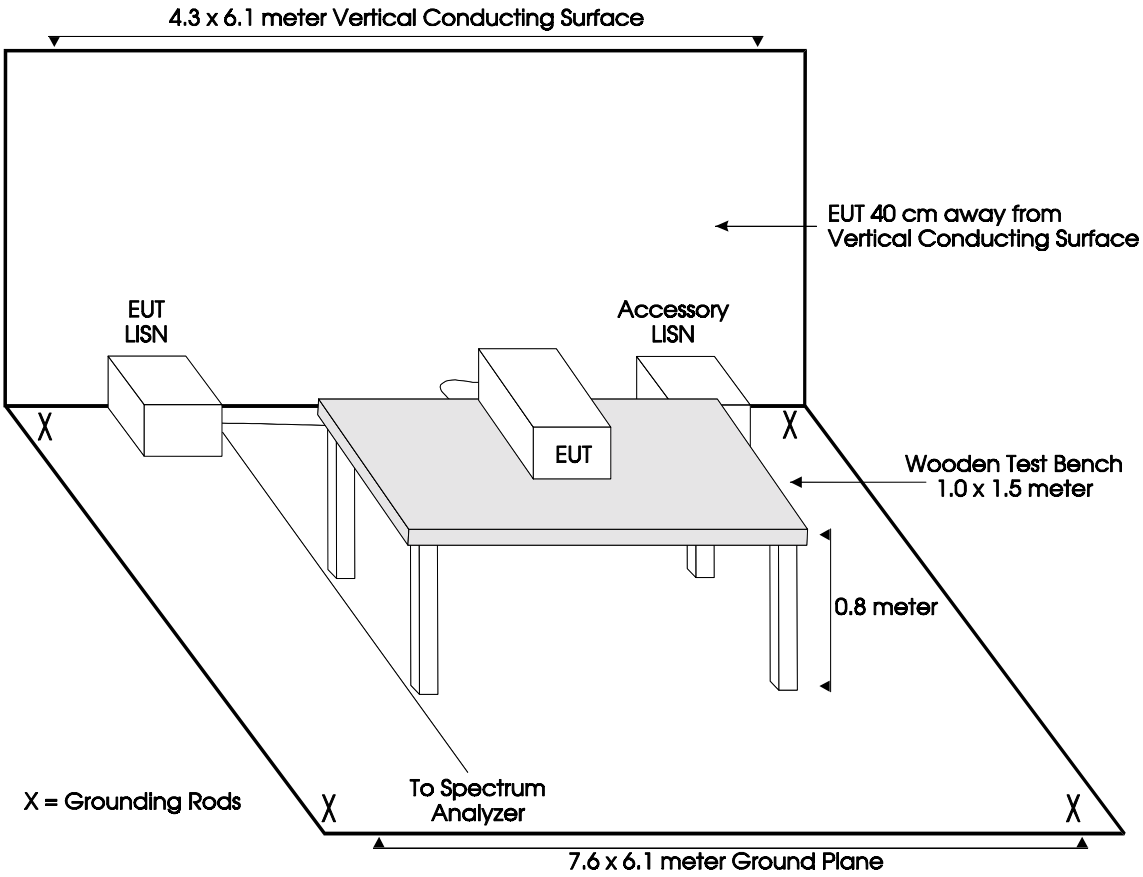

FIGURE 1 - CONDUCTED EMISSIONS TEST SETUP SITE A

EMT
ELECTRO MAGNETIC TEST, INC.
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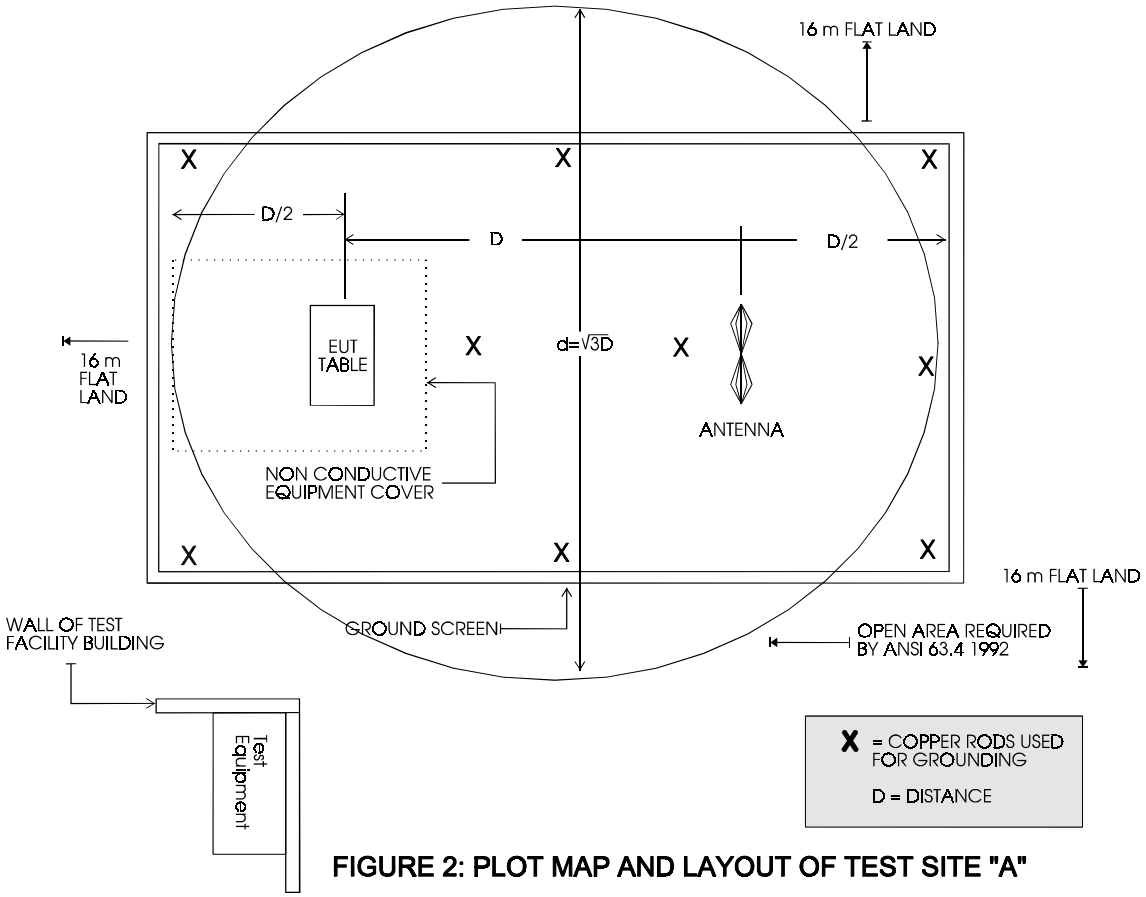
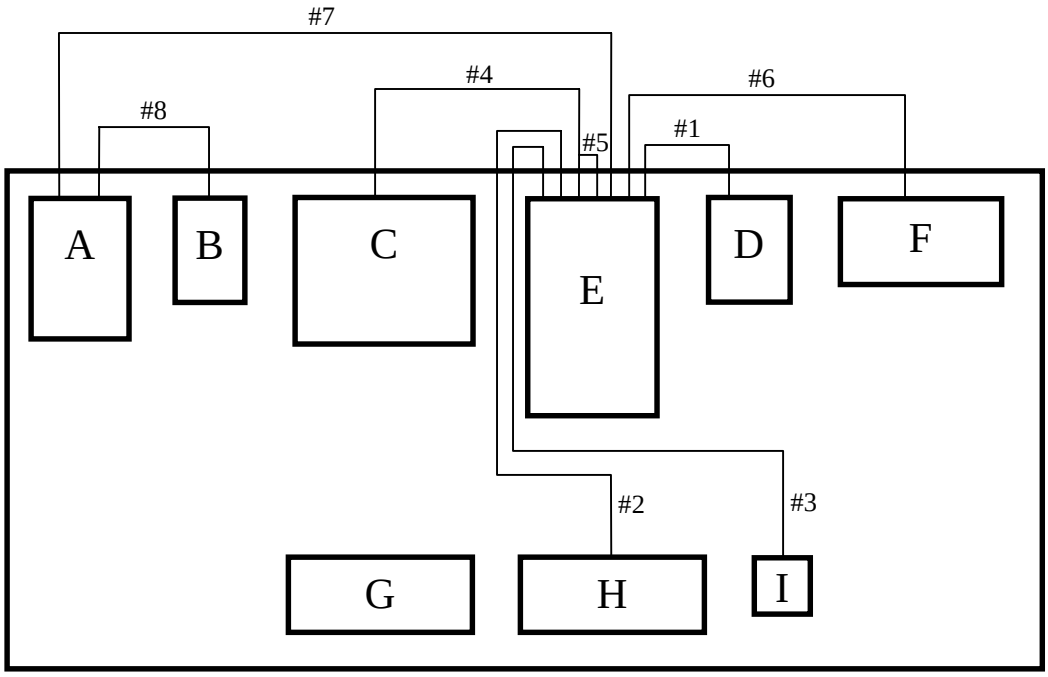


FIGURE 2: PLOT MAP AND LAYOUT OF TEST SITE "A"

EMT *ELECTRO MAGNETIC TEST, INC.*
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000



Wooden Test Table↗

A. Printer	F. External Modem
B. Printer AC Power Adapter	G. EUT
C. Monitor	H. Keyboard
D. Computer	I. Mouse
E. Receiver	

FIGURE 3: EQUIPMENT CONFIGURATION BLOCK DIAGRAM

EMT *ELECTRO MAGNETIC TEST, INC.*
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

APPENDIX C

ANTENNA FACTORS AND EFFECTIVE GAIN FACTORS

EMT *ELECTRO MAGNETIC TEST, INC.*
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

LAB "A" EFFECTIVE: 3/21/01

COM-POWER LOOP ANTENNA MODEL: AL-130, S/N: 25308

FREQUENCY MHz	MAGNETIC dB/m	ELECTRIC dB/m
0.09	-21.0	30.5
0.01	-23.6	27.9
0.02	-33.1	18.4
0.05	-39.7	11.8
0.075	-41.0	10.5
0.1	-41.1	10.4
0.15	-41.2	10.3
0.25	-41.4	10.1
0.5	-41.4	10.1
0.75	-41.4	10.1
1	-41.0	10.5
2	-40.8	10.7
3	-41.0	10.5
4	-40.8	10.7
5	-40.9	10.6
10	-42.0	9.5
15	-43.9	7.6
20	-44.4	7.1
25	-45.8	5.7
30	-46.2	5.3

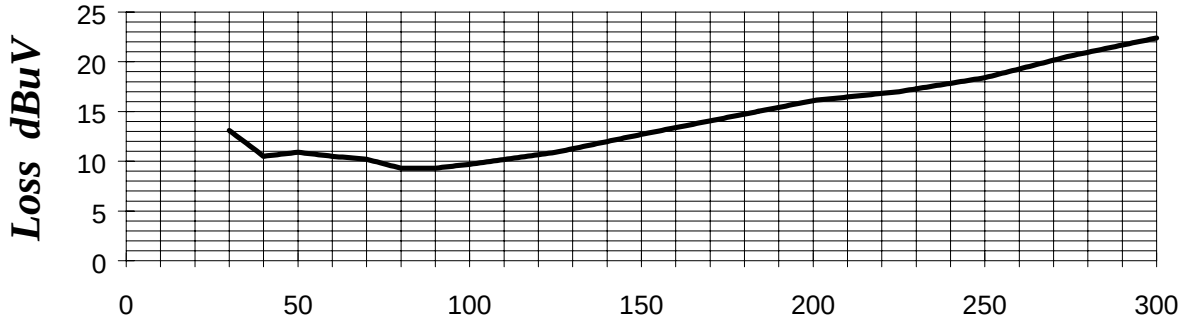
EMT

ELECTRO MAGNETIC TEST, INC.

1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

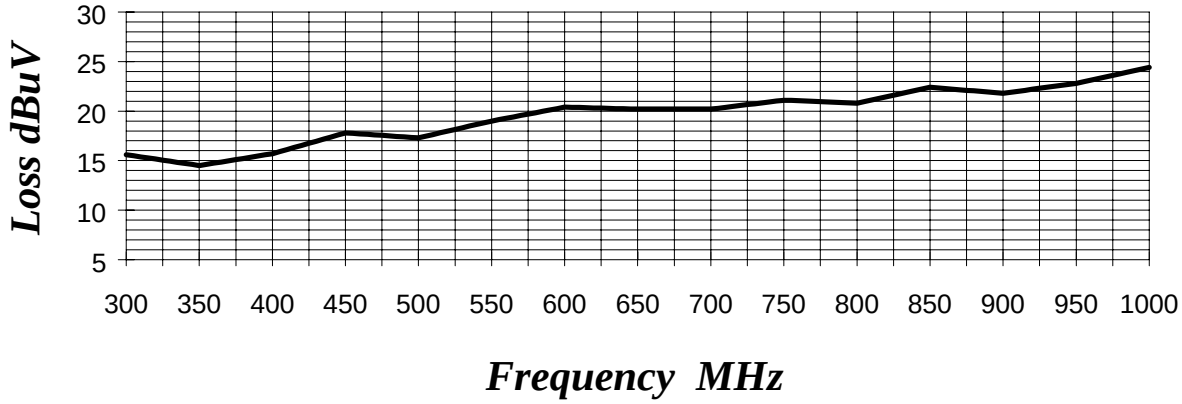
EFFECTIVE 11-11-00

LAB "A" BICONICAL ANTENNA
AB-100 S/N: 1557



EFFECTIVE 11-11-00

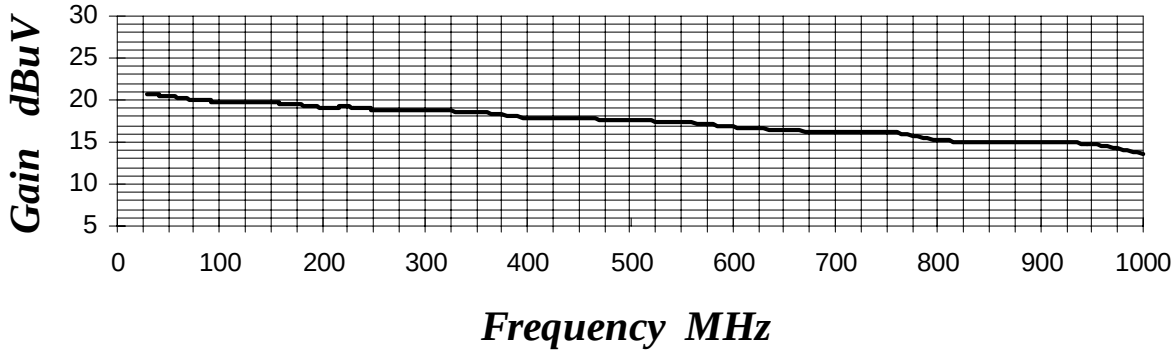
LAB "A" LOG PERIODIC ANTENNA
AL-100 S/N: 16037



EMT *ELECTRO MAGNETIC TEST, INC.*
1547 Plymouth Street, Mountain View, CA 94043 Tel: (650) 965-4000 Fax: (650) 965-3000

LAB "A" EFFECTIVE 3-1-01

PREAMPLIFIER M/N: PA-102 S/N: 1482
EFFECTIVE GAIN AT 3 METERS



PREAMPLIFIER M/N: PA-102 S/N: 1482
EFFECTIVE GAIN AT 10 METERS