

APPENDIX D

DIAGRAMS, CHARTS, AND PHOTOS

FIGURE 1: CONDUCTED EMISSIONS TEST SETUP

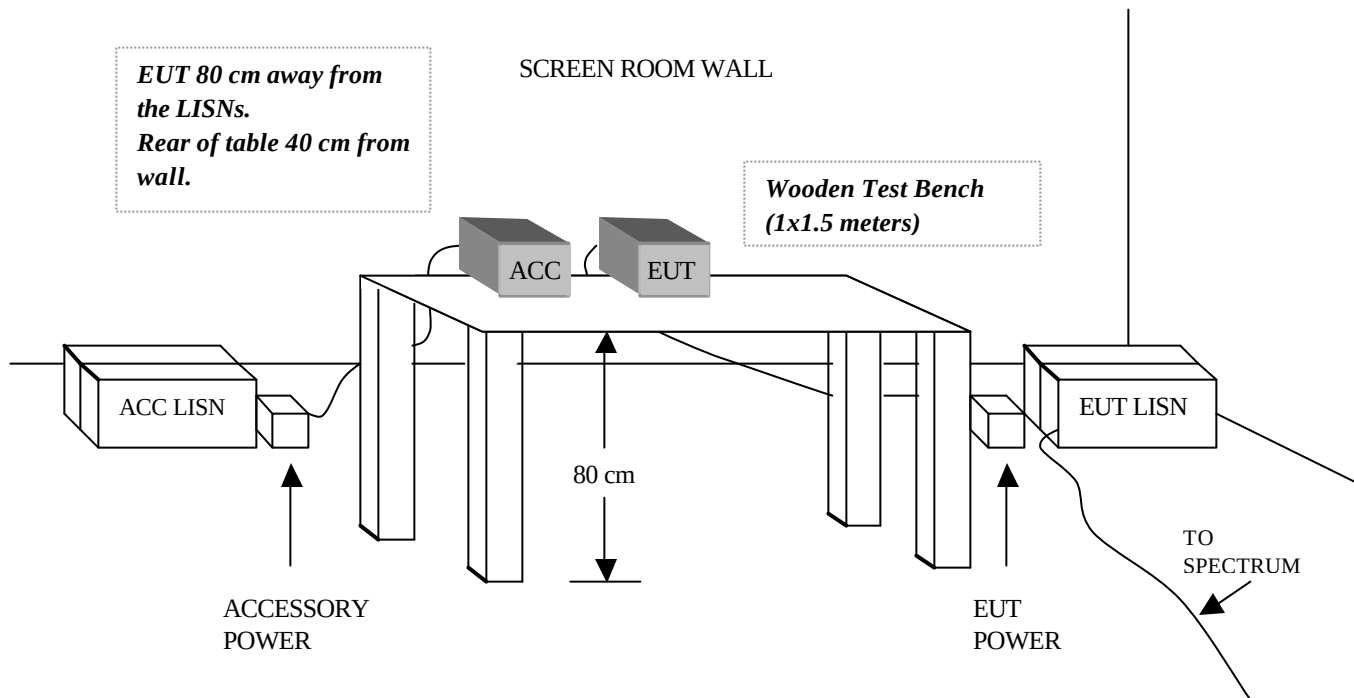
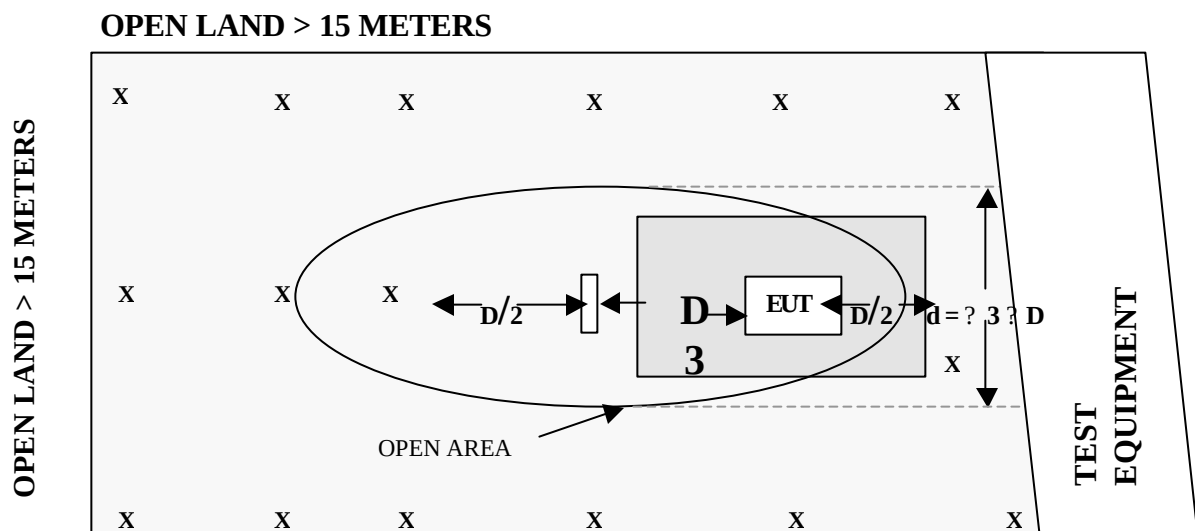
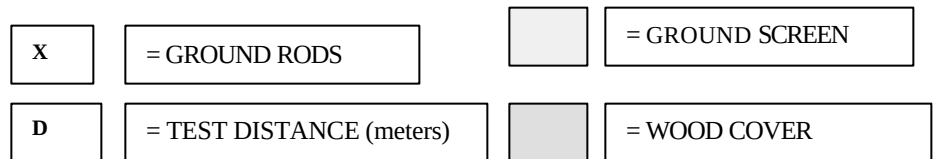


FIGURE 2: PLOT MAP AND LAYOUT OF RADIATED SITE



OPEN LAND > 15 METERS



COM-POWER AL-130
ACTIVE LOOP ANTENNA

S/N: 17067

CALIBRATION DATE: MARCH 24, 2004

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
0.009	12.0	1	10.7
0.01	11.2	2	11.3
0.02	10.5	3	11.0
0.03	12.2	4	11.0
0.04	11.8	5	11.6
0.05	10.2	6	11.7
0.06	11.5	7	11.2
0.07	10.5	8	11.1
0.08	10.1	9	11.4
0.09	10.1	10	8.8
0.1	10.0	12	10.8
0.2	7.8	14	11.0
0.3	10.2	15	11.1
0.4	10.3	16	11.2
0.5	10.3	18	9.0
0.6	10.6	20	9.0
0.7	10.5	25	9.0
0.8	10.4	30	7.7
0.9	10.7		

COM-POWER AB-100

BICONICAL ANTENNA

S/N: 1535

CALIBRATION DATE: MARCH 5, 2004

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	14.2	120	10.1
35	13.7	125	11.5
40	12.2	140	11.5
45	12.7	150	12.0
50	12.1	160	13.3
55	11.4	175	13.5
60	10.4	180	14.5
65	10.6	200	15.4
70	9.0	225	15.1
80	8.5	250	16.8
90	8.5	275	16.7
100	8.9	300	18.6

COM-POWER AL-100

LOG PERIODIC ANTENNA

S/N: 01116

CALIBRATION DATE: JAN. 23, 2004

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	13.5	650	20.1
330	17.1	700	21.3
340	15.5	725	21.1
350	16.2	750	22.2
360	15.3	800	23.0
370	14.7	850	23.0
400	16.8	900	23.2
425	17.0	925	22.9
450	16.0	950	23.7
500	16.8	975	25.0
550	18.9	1000	26.6
600	19.0		

A.R.A DRG-118/A

HORN ANTENNA

S/N: 1015

CALIBRATION DATE: NOVEMBER 18, 2002

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
1000	25.5	10000	39.7
1500	26.7	10500	41.1
2000	30.1	11000	40.6
2500	30.6	11500	41.4
3000	31.5	12000	42.8
3500	32.3	12500	43.7
4000	32.7	13000	41.7
4500	33.0	13500	40.5
5000	35.1	14000	40.7
5500	35.2	14500	41.8
6000	36.4	15000	43.2
6500	36.9	15500	42.5
7000	39.7	16000	42.4
7500	38.8	16500	41.2
8000	37.9	17000	41.7
8500	37.9	17500	43.8
9000	39.9	18000	45.2
9500	39.0		

COM-POWER PA-102

PREAMPLIFIER

S/N: 1249

CALIBRATION DATE: JAN. 16, 2004

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	35.9	300	34.7
40	36.2	350	35.0
50	35.9	400	34.7
60	35.9	450	34.7
70	35.6	500	35.3
80	35.8	550	35.9
90	35.3	600	35.8
100	35.5	650	38.4
125	35.5	700	39.6
150	35.4	750	39.1
175	35.4	800	35.3
200	35.5	850	20.1
225	35.1	900	23.5
250	34.9	950	28.3
275	35.1	1000	30.6

COM-POWER PA-122

PREAMPLIFIER

S/N: 181915

CALIBRATION DATE: FEBRUARY 25, 2004

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
1000	33.4	7000	33.3
1100	33.0	7500	33.3
1200	33.0	8000	33.0
1300	32.9	8500	32.4
1400	33.3	9000	30.3
1500	33.0	9500	31.1
1600	32.9	10000	32.6
1700	32.9	11000	33.6
1800	32.9	12000	32.8
1900	33.1	13000	32.8
2000	33.0	14000	32.9
2500	32.9	15000	32.4
3000	32.8	16000	32.6
3500	33.1	17000	31.2
4000	33.2	18000	30.2
4500	33.2		
5000	33.0		
5500	32.3		
6000	32.8		
6500	33.6		



FRONT VIEW

OMNISENSE, LLC
SENSOR TRANSMITTER MODULE.

MODEL: S-1

FCC SUBPART B AND C - RADIATED EMISSIONS – JUNE 3 – 4, 2004

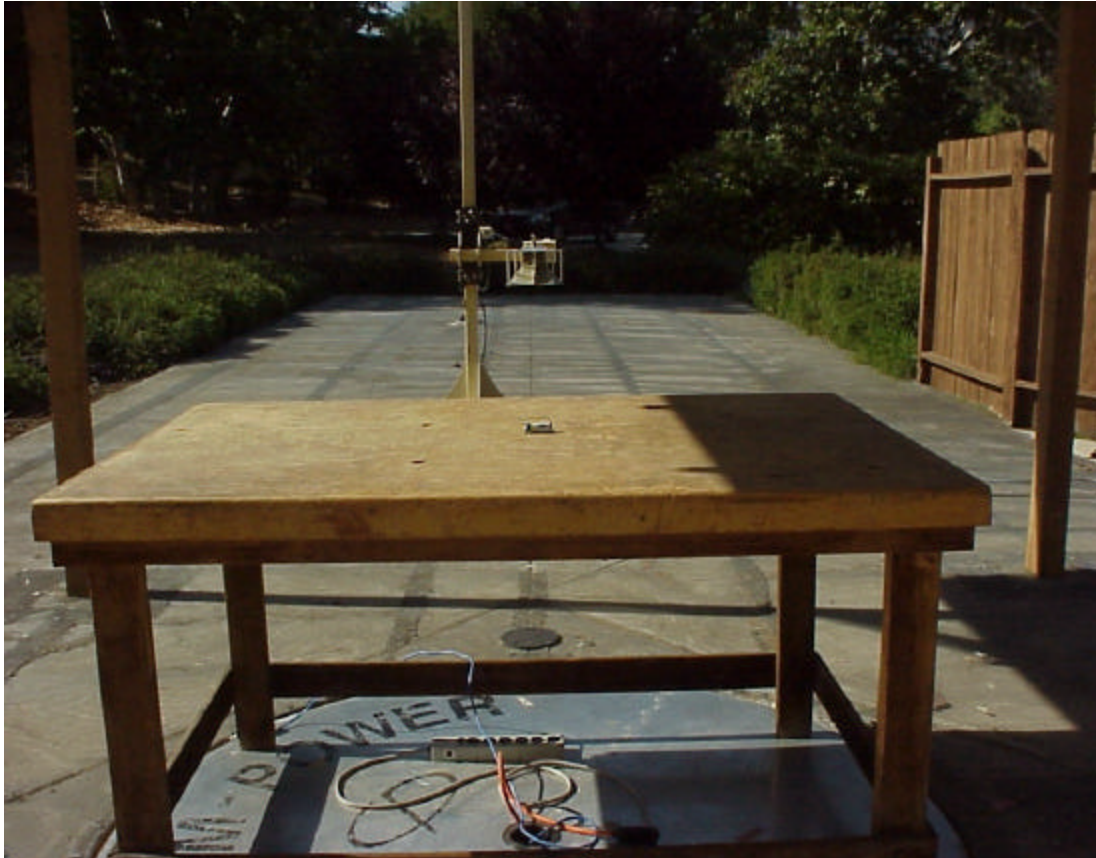
**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400



REAR VIEW

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FCC SUBPART B AND C - CONDUCTED EMISSIONS – JUNE 3 , 2004

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