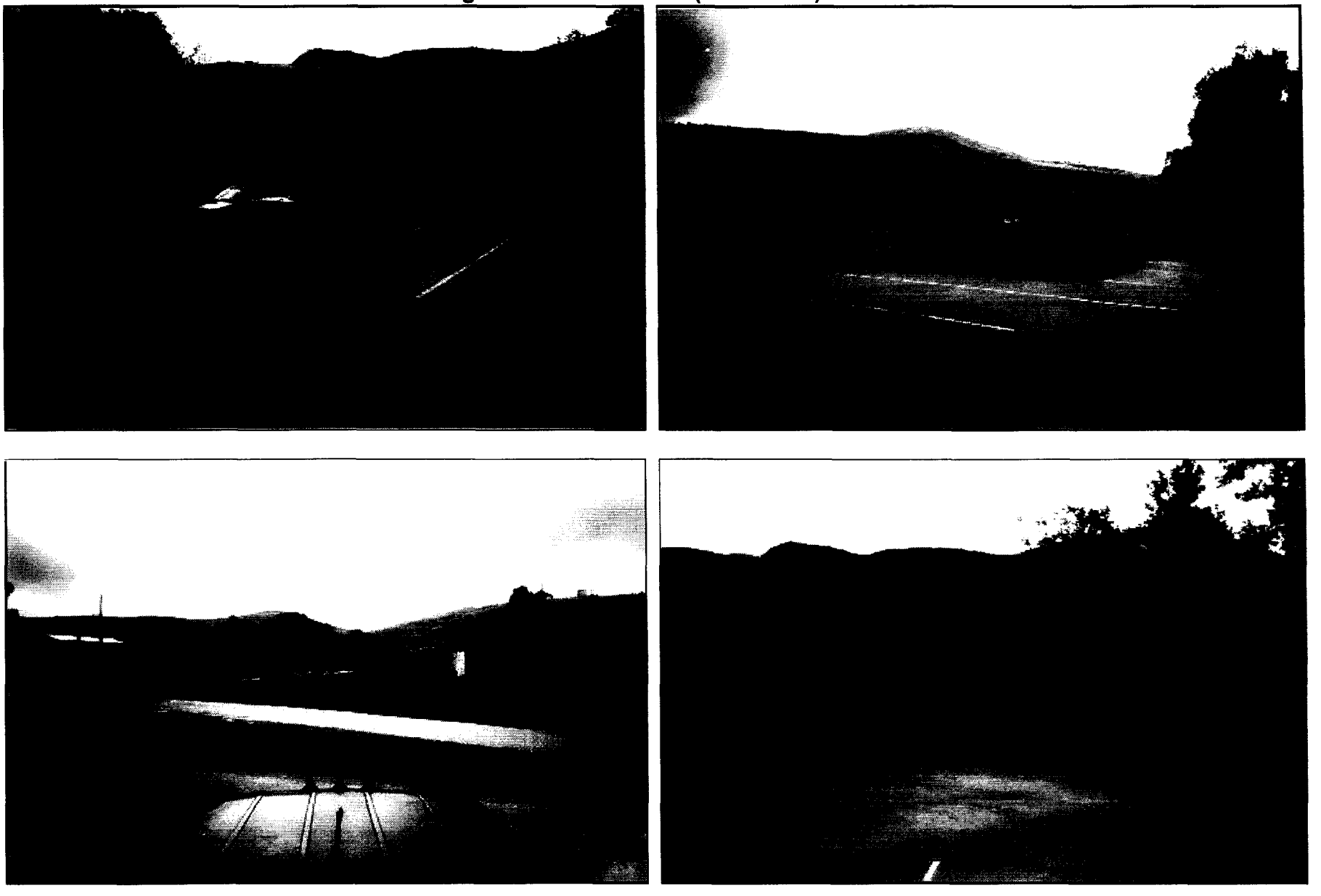
Figure 3-8. Interstate 10 (Freeway)

Figure 3-9. Chino Hills (Reference)



4.0 Stationary Vehicle Measurements

Tables 4-1 to 4-8 provide summaries of the measurement data taken while parked at various locations in the Los Angeles area. The median noise value above kTB is shown for each measurement set. The difference between the 10-th and the 90-th percentile values varied from 1 to 7 dB. Plots of the cumulative probability of exceeding kTB for each of the measurement sets are shown in the indicated figures.

Figures 4-1 to 4-16 show the variations of the medians with respect to time-of-day. They are grouped both by location and by center frequency.

Table 4-1. Summary of Measurements Taken at Los Angeles International Airport

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-1	137.0125	May 9	10:44 am	11.3	2.6
B-2	137.0125	May 9	11:42 am	8.8	0.9
B-3	137.0125	May 9	12:41 pm	8.8	0.7
B-4	137.0125	May 9	1:39 pm	9.5	1.0
B-5	137.0125	May 9	2:38 pm	9.9	0.4
B-6	137.0125	May 9	3:36 pm	9.9	0.6
B-1	137.4175	May 9	10:50 am	10.1	1.2
B-2	137.4175	May 9	11:48 am	8.7	0.8
B-3	137.4175	May 9	12:46 pm	9	0.9
B-4	137.4175	May 9	1:45 pm	9.5	0.8
B-5	137.4175	May 9	2:43 pm	9.9	0.7
B-6	137.4175	May 9	3:41 pm	10.4	1.0
B-1	137.4445	May 9	10:55 am	10.5	1.9
B-2	137.4445	May 9	11:53 am	9.4	1.5
B-3	137.4445	May 9	12:51 pm	9.3	0.8
B-4	137.4445	May 9	1:50 pm	9.7	0.7
B-5	137.4445	May 9	2:48 pm	9.8	1.0
B-6	137.4445	May 9	3:47 pm	10.4	1.0
B-1	137.4725	May 9	11:00 am	11.6	1.8
B-2	137.4725	May 9	11:58 am	9.6	0.4
B-3	137.4725	May 9	12:57 pm	9.9	1.5
B-4	137.4725	May 9	1:55 pm	9.9	1.4
B-5	137.4725	May 9	2:54 pm	10.1	1.0
B-6	137.4725	May 9	3:52 pm	10.3	0.9
B-1	388.1	May 9	11:06 am	5.8	6.7
B-2	388.1	May 9	12:04 pm	4.7	2.0
B-3	388.1	May 9	1:03 pm	4.2	2.7
B-4	388.1	May 9	2:01 pm	4.7	1.7
B-5	388.1	May 9	2:59 pm	4.4	4.9
B-6	388.1	May 9	3:58 pm	5.5	4.1
B-1	388.75	May 9	11:11 am	5.4	2.2
B-2	388.75	May 9	12:09 pm	6.5	1.6
B-3	388.75	May 9	1:08 pm	5.9	1.9
B-4	388.75	May 9	2:06 pm	5.5	2.7
B-5	388.75	May 9	3:04 pm	6.1	4.7
B-6	388.75	May 9	4:03 pm	7.3	1.2
B-1	402.5	May 9	11:17 am	2.4	2.9
B-2	402.5	May 9	12:15 pm	1.7	3.1
B-3	402.5	May 9	1:13 pm	1.5	2.7
B-4	402.5	May 9	2:12 pm	1.6	2.5
B-5	402.5	May 9	3:10 pm	1.5	2.7
B-6	402.5	May 9	4:09 pm	2.2	4.2
B-1	405.237	May 9	11:22 am	2.9	3.3
B-2	405.237	May 9	12:20 pm	1.3	1.2
B-3	405.237	May 9	1:19 pm	1.2	1.4
B-4	405.237	May 9	2:17 pm	1.3	1.4
B-5	405.237	May 9	3:16 pm	0.7	3.0
B-6	405.237	May 9	4:14 pm	0.9	2.2

Table 4-2. Summary of Measurements Taken at El Segundo for Industrial Environment

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-7	137.0125	May 10	10:17 am	7.6	1.9
B-8	137.0125	May 10	11:15 am	7.1	0.8
B-9	137.0125	May 10	12:14 pm	7.5	0.8
B-10	137.0125	May 10	1:12 pm	7.7	0.8
B-11	137.0125	May 10	2:11 pm	7.9	0.8
B-12	137.0125	May 10	3:10 pm	8.2	1.0
B-7	137.4175	May 10	10:22 am	7.5	1.3
B-8	137.4175	May 10	11:21 am	8.3	0.8
B-9	137.4175	May 10	12:19 pm	8.3	1.0
B-10	137.4175	May 10	1:18 pm	8.5	0.7
B-11	137.4175	May 10	2:16 pm	9.0	0.7
B-12	137.4175	May 10	3:15 pm	10.0	0.7
B-7	137.4445	May 10	10:28 am	7.5	1.0
B-8	137.4445	May 10	11:26 am	8.4	0.9
B-9	137.4445	May 10	12:25 pm	8.5	1.1
B-10	137.4445	May 10	1:23 pm	8.6	0.8
B-11	137.4445	May 10	2:22 pm	9.0	0.7
B-12	137.4445	May 10	3:20 pm	9.7	1.1
B-7	137.4725	May 10	10:33 am	7.3	0.7
B-8	137.4725	May 10	11:31 am	8.1	0.8
B-9	137.4725	May 10	12:30 pm	8.6	0.8
B-10	137.4725	May 10	1:29 pm	8.5	0.7
B-11	137.4725	May 10	2:27 pm	9.2	0.6
B-12	137.4725	May 10	3:26 pm	10.0	1.0
B-7	388.1	May 10	10:38 am	4.6	0.8
B-8	388.1	May 10	11:37 am	2.8	0.8
B-9	388.1	May 10	12:36 pm	2.4	0.6
B-10	388.1	May 10	1:34 pm	2.1	0.7
B-11	388.1	May 10	2:33 pm	2.7	0.7
B-12	388.1	May 10	3:31 pm	2.4	0.7
B-7	388.75	May 10	10:44 am	2.8	0.7
B-8	388.75	May 10	11:43 am	2.5	0.7
B-9	388.75	May 10	12:41 pm	1.7	0.7
B-10	388.75	May 10	1:40 pm	1.7	0.8
B-11	388.75	May 10	2:38 pm	1.7	0.8
B-12	388.75	May 10	3:37 pm	1.3	0.7
B-7	402.5	May 10	10:49 am	2.8	0.9
B-8	402.5	May 10	11:48 am	2.6	0.7
B-9	402.5	May 10	12:47 pm	2.6	0.7
B-10	402.5	May 10	1:45 pm	2.9	1.0
B-11	402.5	May 10	2:44 pm	2.9	0.6
B-12	402.5	May 10	3:42 pm	2.3	0.9
B-7	405.237	May 10	10:55 am	2.1	1.1
B-8	405.237	May 10	11:54 am	1.8	0.8
B-9	405.237	May 10	12:52 pm	2.4	0.6
B-10	405.237	May 10	1:51 pm	3.4	2.2
B-11	405.237	May 10	2:49 pm	4.0	0.8
B-12	405.237	May 10	3:47 pm	2.0	1.1

Table 4-3. Summary of Measurements Taken at Westwood for Urban Environment

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-13	137.0125	May 11	10:06 am	8.1	1.1
B-14	137.0125	May 11	11:05 am	7.9	0.7
B-15	137.0125	May 11	12:03 pm	8.6	0.8
B-16	137.0125	May 11	1:03 pm	8.4	0.9
B-17	137.0125	May 11	2:01 pm	8.8	0.8
B-18	137.0125	May 11	2:59 pm	8.3	0.8
B-13	137.4175	May 11	10:12 am	9.2	1.3
B-14	137.4175	May 11	11:10 am	8.7	0.7
B-15	137.4175	May 11	12:09 pm	9.1	0.7
B-16	137.4175	May 11	1:08 pm	9.5	1.3
B-17	137.4175	May 11	2:06 pm	9.3	0.7
B-18	137.4175	May 11	3:05 pm	9.9	0.9
B-13	137.4445	May 11	10:17 am	9.1	1.2
B-14	137.4445	May 11	11:16 am	8.7	0.8
B-15	137.4445	May 11	12:14 pm	9.0	0.7
B-16	137.4445	May 11	1:13 pm	10.1	0.7
B-17	137.4445	May 11	2:12 pm	9.2	0.7
B-18	137.4445	May 11	3:10 pm	9.7	0.8
B-13	137.4725	May 11	10:23 am	8.9	0.9
B-14	137.4725	May 11	11:21 am	8.9	1.8
B-15	137.4725	May 11	12:20 pm	9.3	0.8
B-16	137.4725	May 11	1:19 pm	9.2	0.6
B-17	137.4725	May 11	2:17 pm	9.8	0.7
B-18	137.4725	May 11	3:15 pm	9.3	0.7
B-13	388.1	May 11	10:28 am	4.2	0.7
B-14	388.1	May 11	11:27 am	3.2	0.6
B-15	388.1	May 11	12:26 pm	3.1	0.7
B-16	388.1	May 11	1:24 pm	3.1	0.8
B-17	388.1	May 11	2:23 pm	3.4	0.9
B-18	388.1	May 11	3:21 pm	3.5	0.8
B-13	388.75	May 11	10:34 am	3.0	0.9
B-14	388.75	May 11	11:32 am	2.5	0.8
B-15	388.75	May 11	12:31 pm	2.4	0.6
B-16	388.75	May 11	1:29 pm	2.1	0.7
B-17	388.75	May 11	2:28 pm	2.7	0.7
B-18	388.75	May 11	3:27 pm	2.9	0.7
B-13	402.5	May 11	10:39 am	3.1	0.9
B-14	402.5	May 11	11:38 am	1.7	0.7
B-15	402.5	May 11	12:37 pm	1.5	0.7
B-16	402.5	May 11	1:35 pm	1.9	0.8
B-17	402.5	May 11	2:33 pm	2.2	0.8
B-18	402.5	May 11	3:32 pm	2.1	0.9
B-13	405.237	May 11	10:45 am	1.9	1.0
B-14	405.237	May 11	11:43 am	1.1	0.7
B-15	405.237	May 11	12:42 pm	0.9	0.7
B-16	405.237	May 11	1:40 pm	0.7	0.7
B-17	405.237	May 11	2:39 pm	0.7	1.2
B-18	405.237	May 11	3:38 pm	1.4	0.7

Table 4-4. Summary of Measurements Taken in Chino for Rural Environment

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-19	137.0125	May 18	11:08 am	4.4	0.9
B-20	137.0125	May 18	12:07 pm	3.8	1.0
B-21	137.0125	May 18	1:05 pm	3.5	0.8
B-22	137.0125	May 18	2:03 pm	3.6	0.6
B-23	137.0125	May 18	3:01 pm	3.3	0.9
B-24	137.0125	May 18	4:00 pm	4.3	0.8
B-25	137.0125	May 18	4:58 pm	4.3	0.8
B-26	137.0125	May 18	5:57 pm	4.0	0.8
B-27	137.0125	May 18	6:55 pm	3.7	0.7
B-19	137.4175	May 18	11:14 am	6.0	1.4
B-20	137.4175	May 18	12:12 pm	4.6	0.9
B-21	137.4175	May 18	1:10 pm	4.3	0.8
B-22	137.4175	May 18	2:08 pm	4.3	0.8
B-23	137.4175	May 18	3:06 pm	4.3	0.7
B-24	137.4175	May 18	4:05 pm	4.1	0.8
B-25	137.4175	May 18	5:04 pm	4.2	0.7
B-26	137.4175	May 18	6:02 pm	4.5	0.7
B-27	137.4175	May 18	7:00 pm	4.7	0.6
B-19	137.4445	May 18	11:19 am	5.6	1.4
B-20	137.4445	May 18	12:17 pm	4.4	0.7
B-21	137.4445	May 18	1:16 pm	4.5	0.7
B-22	137.4445	May 18	2:14 pm	4.5	0.8
B-23	137.4445	May 18	3:12 pm	5.3	0.9
B-24	137.4445	May 18	4:11 pm	4.1	0.7
B-25	137.4445	May 18	5:09 pm	4.8	0.6
B-26	137.4445	May 18	6:07 pm	4.1	0.6
B-27	137.4445	May 18	7:05 pm	4.5	0.8
B-19	137.4725	May 18	11:24 am	5.3	1.1
B-20	137.4725	May 18	12:23 pm	4.2	0.7
B-21	137.4725	May 18	1:21 pm	4.3	0.7
B-22	137.4725	May 18	2:19 pm	4.3	0.8
B-23	137.4725	May 18	3:17 pm	4.2	0.6
B-24	137.4725	May 18	4:16 pm	5.5	0.7
B-25	137.4725	May 18	5:14 pm	4.6	3.7
B-26	137.4725	May 18	6:13 pm	4.8	0.7
B-27	137.4725	May 18	7:11 pm	4.0	0.6
B-19	388.1	May 18	11:30 am	7.7	0.8
B-20	388.1	May 18	12:28 pm	7.7	0.9
B-21	388.1	May 18	1:27 pm	8.5	1.6
B-22	388.1	May 18	2:25 pm	7.0	0.8
B-23	388.1	May 18	3:23 pm	6.9	0.8
B-24	388.1	May 18	4:21 pm	6.7	0.8
B-25	388.1	May 18	5:20 pm	7.1	0.7
B-26	388.1	May 18	6:18 pm	7.0	0.8
B-27	388.1	May 18	7:16 pm	7.2	0.9
B-19	388.75	May 18	11:36 am	8.3	1.0
B-20	388.75	May 18	12:34 pm	6.8	0.8
B-21	388.75	May 18	1:32 pm	8.2	0.9

Table 4-4. Summary of Measurements Taken in Chino for Rural Environment (cont.)

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-22	388.75	May 18	2:30 pm	6.8	0.9
B-23	388.75	May 18	3:28 pm	6.8	0.9
B-24	388.75	May 18	4:27 pm	7.1	0.9
B-25	388.75	May 18	5:26 pm	7.3	1.0
B-26	388.75	May 18	6:24 pm	7.0	0.9
B-27	388.75	May 18	7:22 pm	7.0	0.9
B-19	402.5	May 18	11:41 am	8.1	1.1
B-20	402.5	May 18	12:39 pm	8.2	1.6
B-21	402.5	May 18	1:37 pm	7.1	1.1
B-22	402.5	May 18	2:35 pm	6.5	1.1
B-23	402.5	May 18	3:34 pm	6.5	1.1
B-24	402.5	May 18	4:33 pm	6.9	1.0
B-25	402.5	May 18	5:31 pm	6.8	1.0
B-26	402.5	May 18	6:29 pm	7.7	0.8
B-27	402.5	May 18	7:27 pm	7.3	1.3
B-19	405.237	May 18	11:46 am	6.8	0.9
B-20	405.237	May 18	12:45 pm	6.7	0.7
B-21	405.237	May 18	1:43 pm	6.4	0.8
B-22	405.237	May 18	2:41 pm	6.6	1.5
B-23	405.237	May 18	3:39 pm	5.8	0.9
B-24	405.237	May 18	4:38 pm	5.3	0.9
B-25	405.237	May 18	5:36 pm	5.5	1.0
B-26	405.237	May 18	6:34 pm	5.3	0.9
B-27	405.237	May 18	7:33 pm	5.8	1.0

Table 4-5 Summary of Measurements Taken in Van Nuys for Suburban Environment

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-28	137.0125	May 16	10:23 am	6.2	1.2
B-29	137.0125	May 16	11:21 am	6.3	0.7
B-30	137.0125	May 16	12:19 pm	6.3	0.8
B-31	137.0125	May 16	1:18 pm	6.4	0.7
B-32	137.0125	May 16	2:17 pm	6.5	0.8
B-33	137.0125	May 16	3:15 pm	6.5	0.8
B-34	137.0125	May 16	4:14 pm	6.3	0.7
B-35	137.0125	May 16	5:12 pm	6.4	0.8
B-36	137.0125	May 16	6:11 pm	6.8	1.2
B-28	137.4175	May 16	10:29 am	7.5	1.0
B-29	137.4175	May 16	11:27 am	6.8	0.8
B-30	137.4175	May 16	12:25 pm	7.1	1.1
B-31	137.4175	May 16	1:24 pm	7.1	0.6
B-32	137.4175	May 16	2:22 pm	7.2	0.7
B-33	137.4175	May 16	3:20 pm	7.2	0.8
B-34	137.4175	May 16	4:19 pm	7.2	0.8
B-35	137.4175	May 16	5:18 pm	7.3	1.3
B-36	137.4175	May 16	6:17 pm	7.4	1.1
B-28	137.4445	May 16	10:34 am	7.0	1.3
B-29	137.4445	May 16	11:32 am	6.9	0.8
B-30	137.4445	May 16	12:30 pm	7.3	1.1
B-31	137.4445	May 16	1:29 pm	7.1	0.7
B-32	137.4445	May 16	2:27 pm	7.2	0.7
B-33	137.4445	May 16	3:26 pm	7.0	0.7
B-34	137.4445	May 16	4:24 pm	7.3	0.8
B-35	137.4445	May 16	5:23 pm	7.7	0.7
B-36	137.4445	May 16	6:22 pm	7.3	0.7
B-28	137.4725	May 16	10:29 am	6.6	0.9
B-29	137.4725	May 16	11:37 am	6.7	0.7
B-30	137.4725	May 16	12:35 pm	7.1	0.7
B-31	137.4725	May 16	1:34 pm	7.0	0.6
B-32	137.4725	May 16	2:33 pm	7.1	0.8
B-33	137.4725	May 16	3:31 pm	7.0	0.7
B-34	137.4725	May 16	4:30 pm	7.2	0.7
B-35	137.4725	May 16	5:29 pm	7.3	1.0
B-36	137.4725	May 16	6:27 pm	7.5	1.2
B-28	388.1	May 16	10:45 am	6.1	0.8
B-29	388.1	May 16	11:43 am	5.6	1.1
B-30	388.1	May 16	12:41 pm	4.3	0.9
B-31	388.1	May 16	1:40 pm	4.4	0.9
B-32	388.1	May 16	2:38 pm	3.7	1.1
B-33	388.1	May 16	3:37 pm	3.4	0.9
B-34	388.1	May 16	4:35 pm	5.3	0.9
B-35	388.1	May 16	5:34 pm	6.1	2.4
B-36	388.1	May 16	6:33 pm	7.5	1.0
B-28	388.75	May 16	10:50 am	5.3	1.1
B-29	388.75	May 16	11:48 am	5.5	0.8

Table 4-5 Summary of Measurements Taken in Van Nuys for Suburban Environment (cont.)

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-30	388.75	May 16	12:47 pm	5.7	0.9
B-31	388.75	May 16	1:45 pm	5.4	1.0
B-32	388.75	May 16	2:43 pm	3.4	1.0
B-33	388.75	May 16	3:42 pm	2.7	1.0
B-34	388.75	May 16	4:41 pm	4.5	0.9
B-35	388.75	May 16	5:40 pm	6.3	0.8
B-36	388.75	May 16	6:39 pm	6.9	1.0
B-28	402.5	May 16	10:56 am	5.9	1.0
B-29	402.5	May 16	11:54 am	5.9	0.9
B-30	402.5	May 16	12:52 pm	5.0	1.0
B-31	402.5	May 16	1:51 pm	5.1	1.0
B-32	402.5	May 16	2:49 pm	4.7	0.9
B-33	402.5	May 16	3:48 pm	4.5	0.9
B-34	402.5	May 16	4:47 pm	5.2	0.9
B-35	402.5	May 16	5:46 pm	6.7	1.3
B-36	402.5	May 16	6:44 pm	6.6	1.1
B-28	405.237	May 16	11:01 am	4.8	0.8
B-29	405.237	May 16	11:59 am	5.3	0.8
B-30	405.237	May 16	12:58 pm	5.3	0.8
B-31	405.237	May 16	1:56 pm	4.9	0.8
B-32	405.237	May 16	2:55 pm	4.3	1.1
B-33	405.237	May 16	3:53 pm	3.8	2.2
B-34	405.237	May 16	4:52 pm	6.3	0.8
B-35	405.237	May 16	5:51 pm	7.9	0.9
B-36	405.237	May 16	6:49 pm	8.8	1.2

Table 4-6. Summary of Measurements Taken at Long Beach Harbor

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-37	137.0125	May 12	10:45 am	10.2	0.9
B-38	137.0125	May 12	11:43 am	6.9	0.8
B-39	137.0125	May 12	12:42 pm	7.4	0.8
B-40	137.0125	May 12	1:41 pm	7.8	0.7
B-41	137.0125	May 12	2:39 pm	7.5	0.7
B-42	137.0125	May 12	3:37 pm	7.7	0.7
B-37	137.4175	May 12	10:50 am	9.4	1.2
B-38	137.4175	May 12	11:49 am	8.5	0.7
B-39	137.4175	May 12	12:47 pm	8.8	0.6
B-40	137.4175	May 12	1:46 pm	9.3	0.8
B-41	137.4175	May 12	2:44 pm	8.4	0.7
B-42	137.4175	May 12	3:43 pm	8.4	0.6
B-37	137.4445	May 12	10:55 am	9.8	0.8
B-38	137.4445	May 12	11:54 am	8.3	0.7
B-39	137.4445	May 12	12:53 pm	8.7	0.6
B-40	137.4445	May 12	1:51 pm	9.1	0.9
B-41	137.4445	May 12	2:50 pm	8.5	0.7
B-42	137.4445	May 12	3:48 pm	8.5	0.8
B-37	137.4725	May 12	11:01 am	9.1	0.8
B-38	137.4725	May 12	12:00 pm	8.3	0.8
B-39	137.4725	May 12	12:58 pm	8.7	0.6
B-40	137.4725	May 12	1:57 pm	8.7	0.7
B-41	137.4725	May 12	2:55 pm	9.2	0.9
B-42	137.4725	May 12	3:54 pm	8.6	0.7
B-37	388.1	May 12	11:07 am	3.8	1.1
B-38	388.1	May 12	12:05 pm	2.5	0.7
B-39	388.1	May 12	1:04 pm	3.2	0.7
B-40	388.1	May 12	2:02 pm	3.2	0.9
B-41	388.1	May 12	3:01 pm	2.1	0.6
B-42	388.1	May 12	3:59 pm	2.7	1.0
B-37	388.75	May 12	11:12 am	2.6	1.0
B-38	388.75	May 12	12:11 pm	2.2	0.8
B-39	388.75	May 12	1:09 pm	2.3	0.6
B-40	388.75	May 12	2:08 pm	2.4	0.6
B-41	388.75	May 12	3:06 pm	1.5	0.6
B-42	388.75	May 12	4:04 pm	1.6	0.6
B-37	402.5	May 12	11:17 am	4.8	0.7
B-38	402.5	May 12	12:16 pm	3.7	0.6
B-39	402.5	May 12	1:15 pm	2.6	0.7
B-40	402.5	May 12	2:13 pm	3.1	0.6
B-41	402.5	May 12	3:12 pm	2.8	0.6
B-42	402.5	May 12	4:10 pm	3.1	0.7
B-37	405.237	May 12	11:23 am	1.9	0.8
B-38	405.237	May 12	12:22 pm	1.7	0.6
B-39	405.237	May 12	1:20 pm	1.2	1.1
B-40	405.237	May 12	2:19 pm	1.7	0.7
B-41	405.237	May 12	3:17 pm	1.7	0.9
B-42	405.237	May 12	4:16 pm	1.2	0.6

Table 4-7. Summary of Measurements Taken at I10 for Freeway Environment

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-43	137.0125	May 15	10:21 am	7.3	1.0
B-44	137.0125	May 15	11:19 am	7.3	0.8
B-45	137.0125	May 15	12:17 pm	7.5	1.1
B-46	137.0125	May 15	1:15 pm	7.2	0.7
B-47	137.0125	May 15	2:14 pm	7.0	0.7
B-48	137.0125	May 15	3:12 pm	7.4	0.9
B-49	137.0125	May 15	5:11 pm	7.8	0.9
B-50	137.0125	May 15	6:09 pm	7.7	1.4
B-43	137.4175	May 15	10:26 am	8.3	1.0
B-44	137.4175	May 15	11:24 am	8.3	0.8
B-45	137.4175	May 15	12:22 pm	8.0	0.6
B-46	137.4175	May 15	1:21 pm	7.9	0.8
B-47	137.4175	May 15	2:19 pm	8.0	1.4
B-48	137.4175	May 15	3:17 pm	8.5	1.2
B-49	137.4175	May 15	5:16 pm	8.2	0.8
B-50	137.4175	May 15	6:15 pm	8.2	0.8
B-43	137.4445	May 15	10:31 am	8.1	1.1
B-44	137.4445	May 15	11:29 am	7.9	0.8
B-45	137.4445	May 15	12:28 pm	8.1	1.0
B-46	137.4445	May 15	1:26 pm	8.0	0.7
B-47	137.4445	May 15	2:25 pm	7.5	0.8
B-48	137.4445	May 15	3:23 pm	8.2	0.8
B-49	137.4445	May 15	5:22 pm	7.9	1.1
B-50	137.4445	May 15	6:20 pm	7.9	0.7
B-43	137.4725	May 15	10:37 am	8.1	1.0
B-44	137.4725	May 15	11:35 am	8.0	0.8
B-45	137.4725	May 15	12:33 pm	7.9	1.1
B-46	137.4725	May 15	1:32 pm	7.7	0.8
B-47	137.4725	May 15	2:30 pm	7.2	0.8
B-48	137.4725	May 15	3:28 pm	7.8	0.8
B-49	137.4725	May 15	5:27 pm	8.2	0.8
B-50	137.4725	May 15	6:25 pm	8.0	0.8
B-43	388.1	May 15	10:42 am	6.1	0.7
B-44	388.1	May 15	11:41 am	5.7	0.7
B-45	388.1	May 15	12:39 pm	5.7	0.9
B-46	388.1	May 15	1:37 pm	4.3	0.7
B-47	388.1	May 15	2:35 pm	5.4	0.8
B-48	388.1	May 15	3:33 pm	5.2	0.8
B-49	388.1	May 15	5:32 pm	6.8	4.4
B-50	388.1	May 15	6:31 pm	6.6	1.3
B-43	388.75	May 15	10:48 am	7.4	1.0
B-44	388.75	May 15	11:46 am	5.7	0.8
B-45	388.75	May 15	12:44 pm	6.1	0.8
B-46	388.75	May 15	1:43 pm	6.2	0.8
B-47	388.75	May 15	2:41 pm	7.0	0.9
B-48	388.75	May 15	3:39 pm	7.1	0.8
B-49	388.75	May 15	5:38 pm	5.3	1.5
B-50	388.75	May 15	6:37 pm	7.6	0.8

Table 4-7. Summary of Measurements Taken at I10 for Freeway Environment (cont.)

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-43	402.5	May 15	10:53 am	7.2	0.9
B-44	402.5	May 15	11:51 am	6.6	0.9
B-45	402.5	May 15	12:50 pm	7.9	1.0
B-46	402.5	May 15	1:48 pm	5.4	1.0
B-47	402.5	May 15	2:46 pm	5.1	0.9
B-48	402.5	May 15	3:44 pm	5.4	0.9
B-49	402.5	May 15	5:44 pm	6.9	1.1
B-50	402.5	May 15	6:42 pm	7.8	1.5
B-43	405.237	May 15	10:58 am	6.8	0.9
B-44	405.237	May 15	11:57 am	5.0	0.9
B-45	405.237	May 15	12:55 pm	5.0	1.3
B-46	405.237	May 15	1:53 pm	4.8	1.0
B-47	405.237	May 15	2:51 pm	5.3	0.8
B-48	405.237	May 15	3:50 pm	5.9	1.0
B-49	405.237	May 15	5:49 pm	5.8	0.9
B-50	405.237	May 15	6:47 pm	5.5	1.2

Table 4-8. Summary of Measurements Taken at Chino Hills for Reference

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-51	137.0125	May 13	10:02 am	6.7	0.9
B-52	137.0125	May 13	11:00 am	6.5	0.7
B-53	137.0125	May 13	11:59 am	6.3	0.9
B-54	137.0125	May 13	12:57 pm	6.5	0.7
B-55	137.0125	May 13	1:55 pm	6.6	0.7
B-56	137.0125	May 13	2:53 pm	6.5	0.7
B-51	137.4175	May 13	10:07 am	8.1	1.1
B-52	137.4175	May 13	11:05 am	8.4	0.7
B-53	137.4175	May 13	12:04 pm	8.4	0.7
B-54	137.4175	May 13	1:02 pm	8.3	0.7
B-55	137.4175	May 13	2:01 pm	8.7	0.6
B-56	137.4175	May 13	2:59 pm	8.5	1.0
B-51	137.4445	May 13	10:13 am	7.5	0.9
B-52	137.4445	May 13	11:11 am	7.4	101
B-53	137.4445	May 13	12:10 pm	7.5	0.6
B-54	137.4445	May 13	1:08 pm	7.8	0.9
B-55	137.4445	May 13	2:06 pm	7.8	0.6
B-56	137.4445	May 13	3:04 pm	8.1	0.9
B-51	137.4725	May 13	10:18 am	7.1	0.7
B-52	137.4725	May 13	11:16 am	7.3	0.7
B-53	137.4725	May 13	12:15 pm	7.8	0.8
B-54	137.4725	May 13	1:13 pm	7.6	0.6
B-55	137.4725	May 13	2:11 pm	8.0	0.7
B-56	137.4725	May 13	3:09 pm	8.0	0.8
B-51	388.1	May 13	10:23 am	4.2	1.1
B-52	388.1	May 13	11:22 am	2.7	0.8
B-53	388.1	May 13	12:20 pm	2.6	0.8
B-54	388.1	May 13	1:18 pm	2.4	0.8
B-55	388.1	May 13	2:17 pm	1.7	0.7
B-56	388.1	May 13	3:15 pm	1.8	1.1
B-51	388.75	May 13	10:29 am	3.9	1.0
B-52	388.75	May 13	11:27 am	2.2	0.7
B-53	388.75	May 13	12:26 pm	3.1	1.0
B-54	388.75	May 13	1:24 pm	2.2	0.7
B-55	388.75	May 13	2:22 pm	1.7	0.75
B-56	388.75	May 13	3:20 pm	1.8	0.75
B-51	402.5	May 13	10:34 am	8.0	0.9
B-52	402.5	May 13	11:33 am	6.6	0.9
B-53	402.5	May 13	12:31 pm	5.4	0.7
B-54	402.5	May 13	1:29 pm	5.3	0.9
B-55	402.5	May 13	2:27 pm	5.7	1.0
B-56	402.5	May 13	3:26 pm	6.1	0.8
B-51	405.237	May 13	10:40 am	6.7	0.8
B-52	405.237	May 13	11:38 am	4.4	1.4
B-53	405.237	May 13	12:36 pm	2.7	0.9
B-54	405.237	May 13	1:35 pm	3.1	1.4
B-55	405.237	May 13	2:33 pm	3.4	1.0
B-56	405.237	May 13	3:31 pm	3.7	1.1

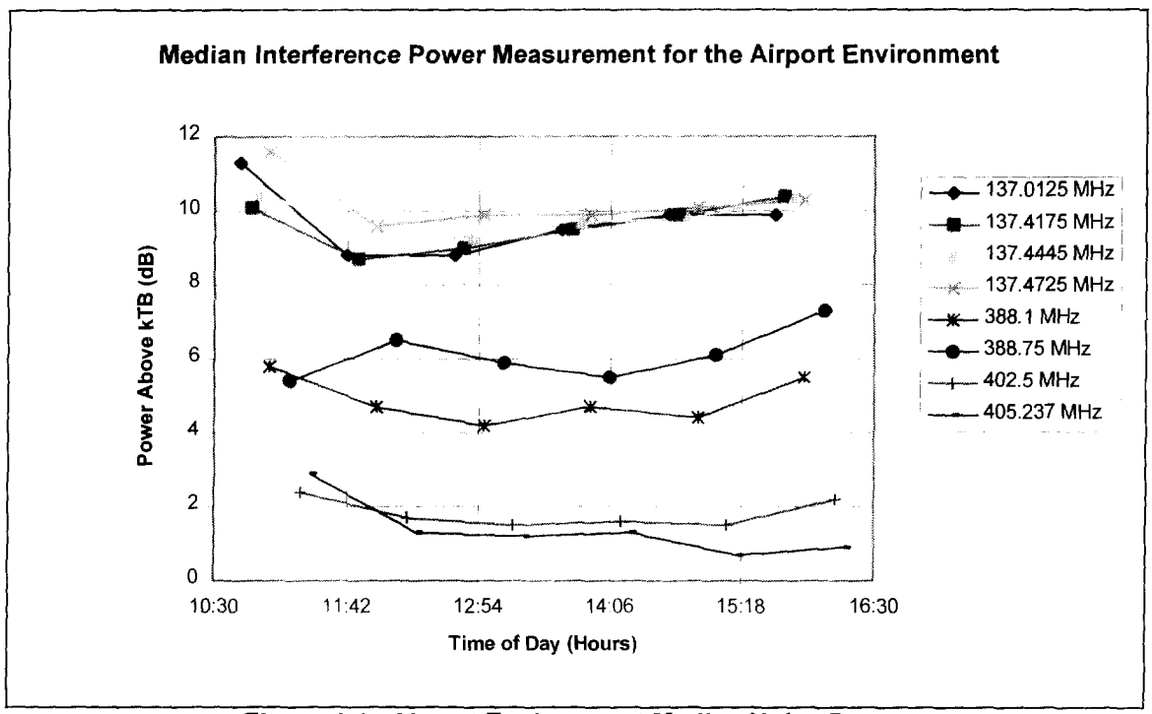


Figure 4-1. Airport Environment Median Noise Power

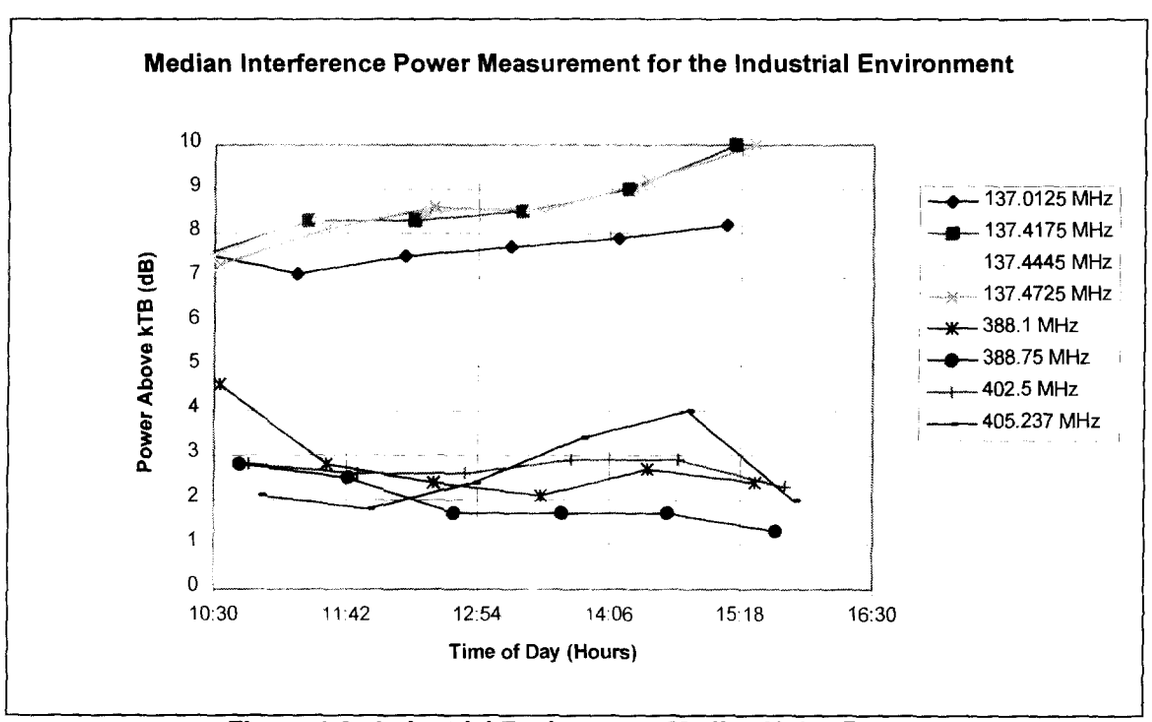


Figure 4-2. Industrial Environment Median Noise Power

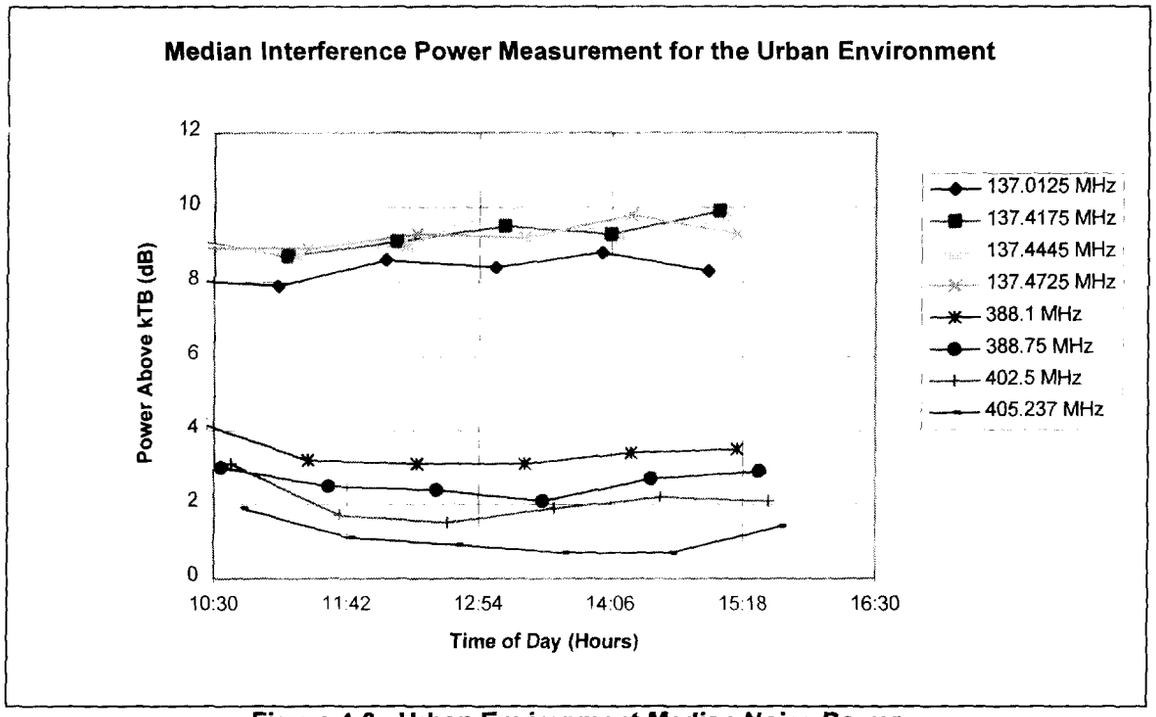


Figure 4-3. Urban Environment Median Noise Power

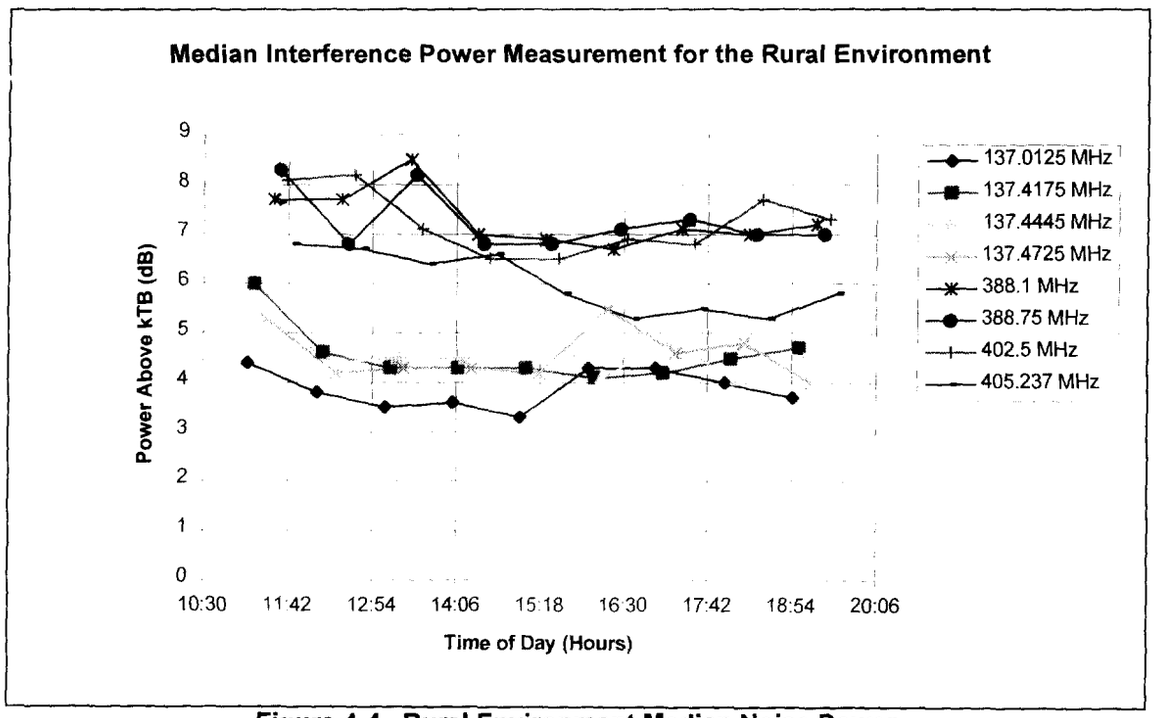


Figure 4-4. Rural Environment Median Noise Power

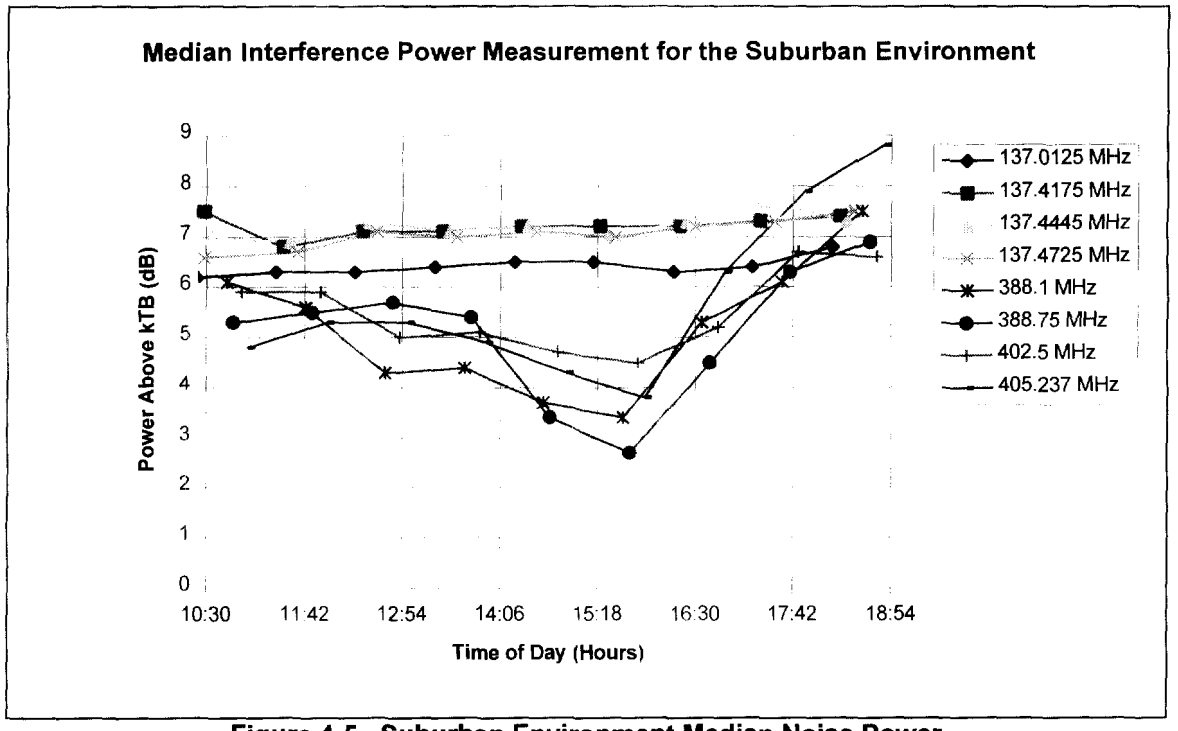


Figure 4-5. Suburban Environment Median Noise Power

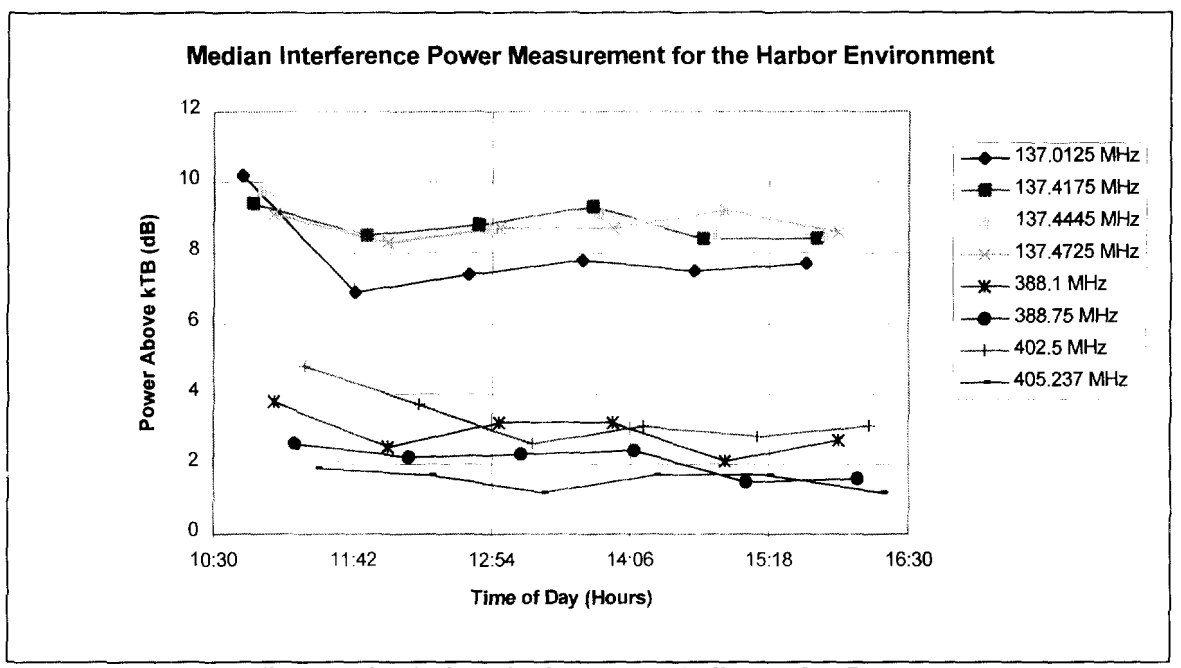


Figure 4-6. Harbor Environment Median Noise Power

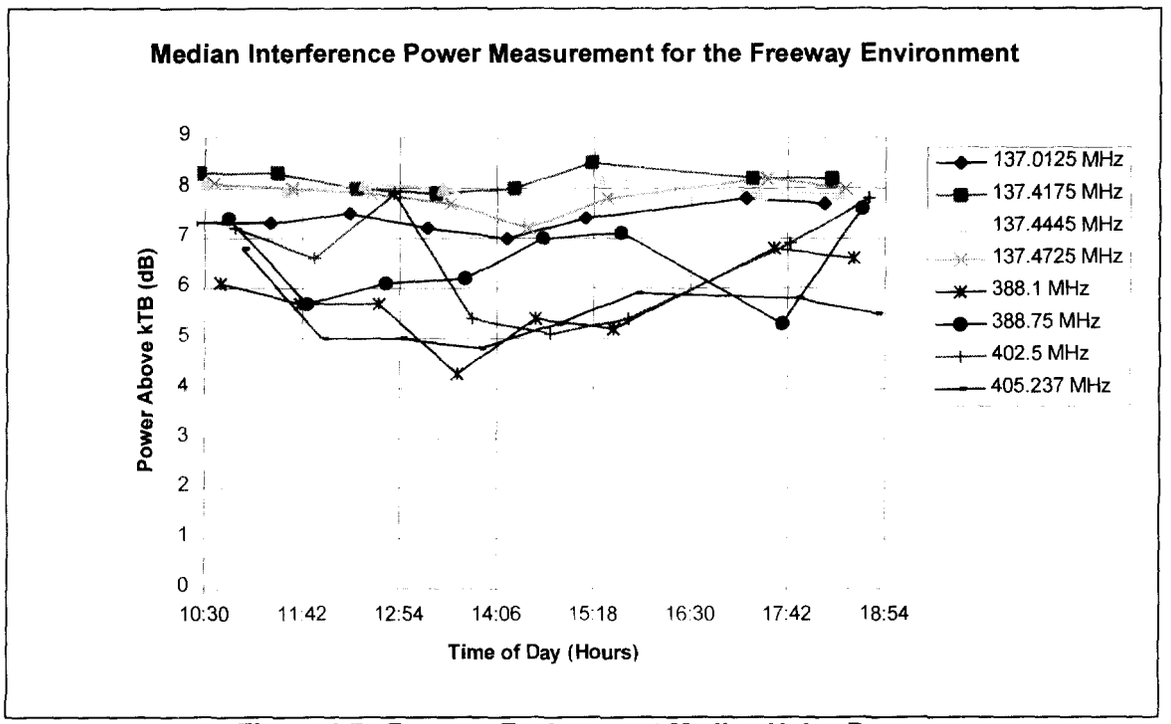


Figure 4-7. Freeway Environment Median Noise Power

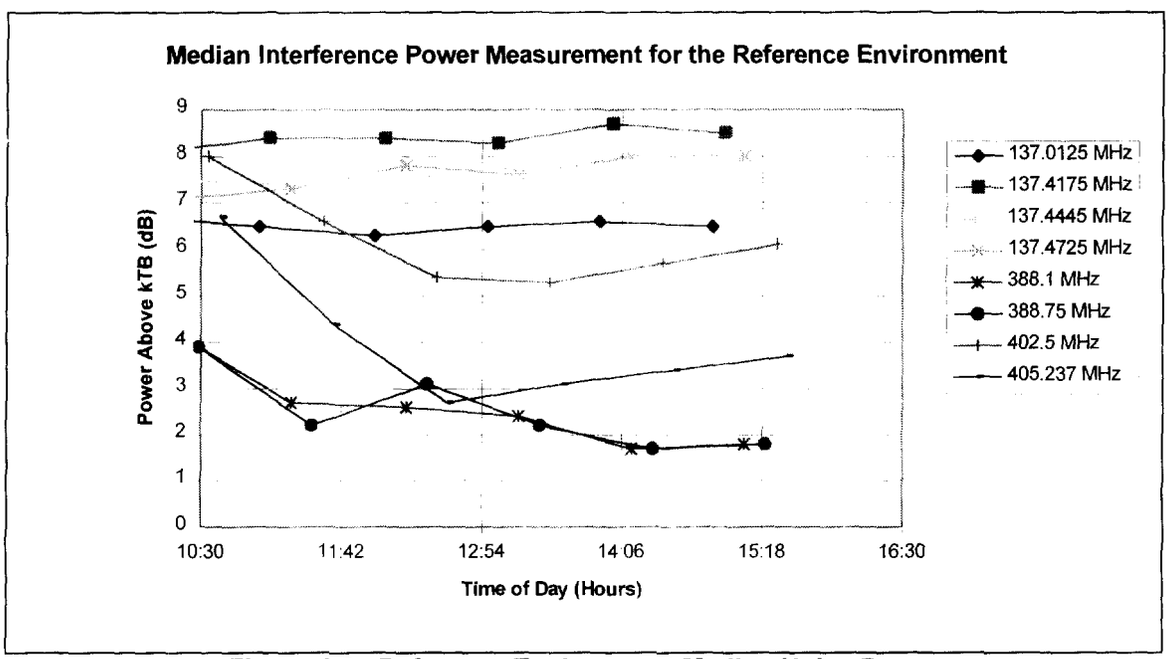


Figure 4-8. Reference Environment Median Noise Power

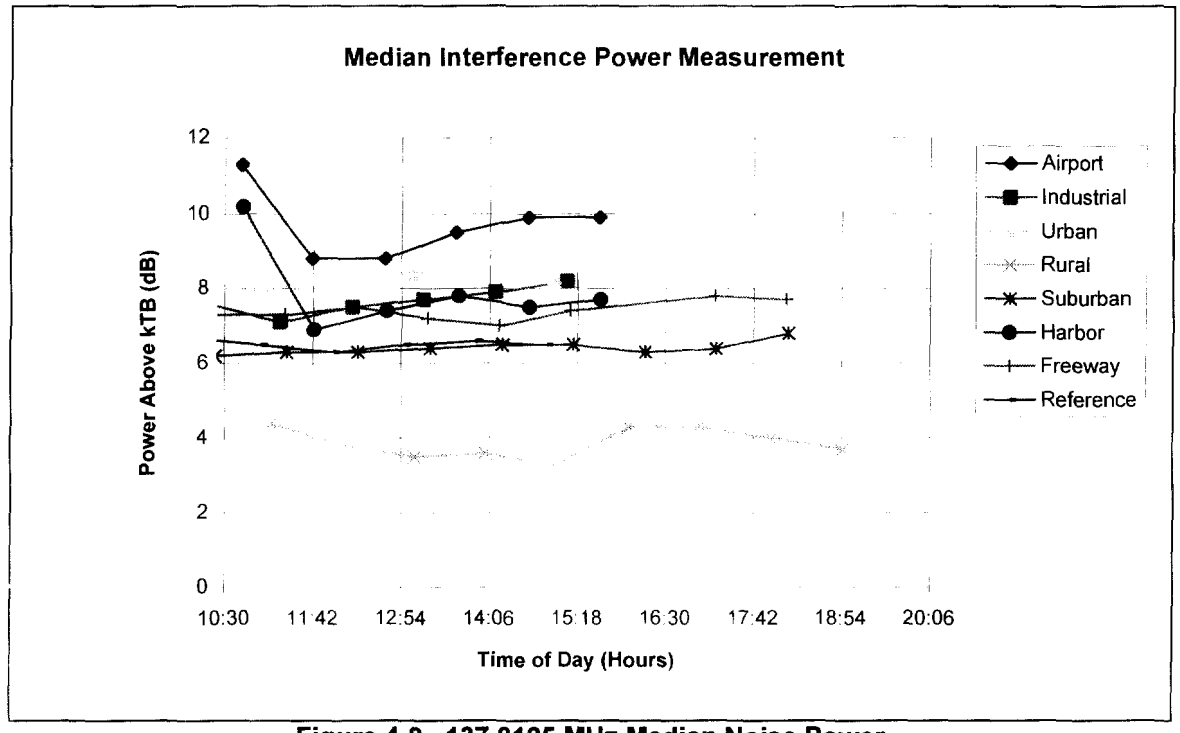


Figure 4-9. 137.0125 MHz Median Noise Power

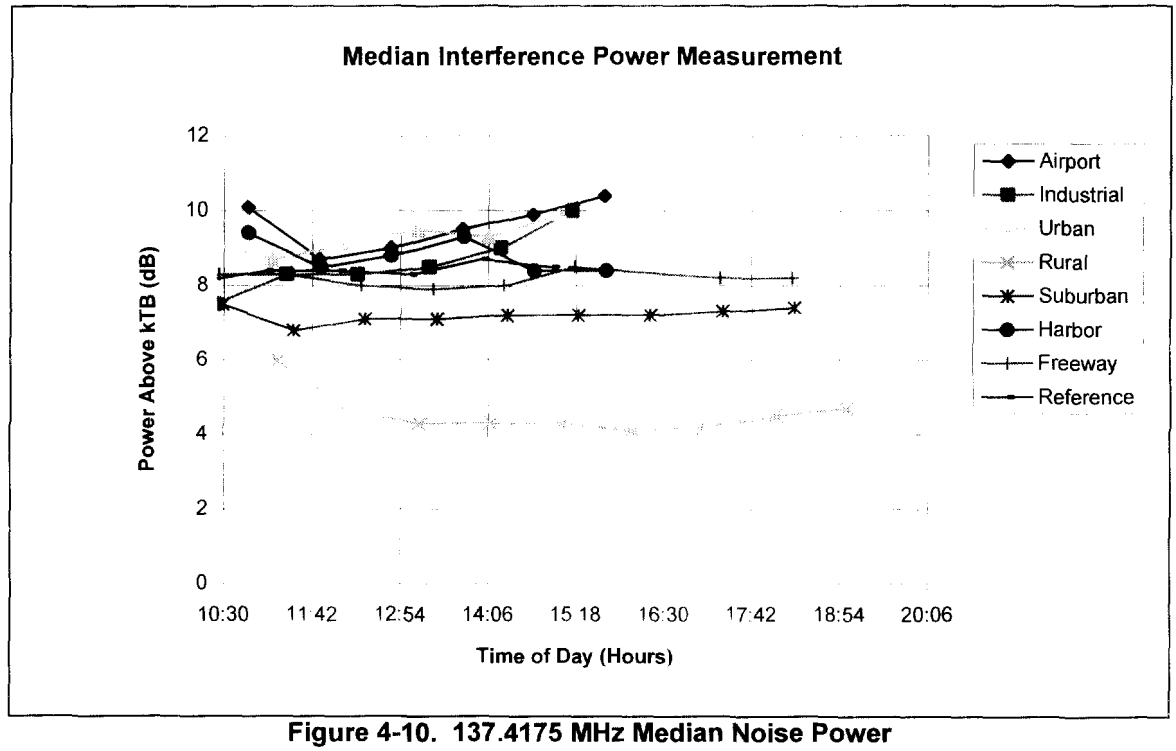


Figure 4-10. 137.4175 MHz Median Noise Power

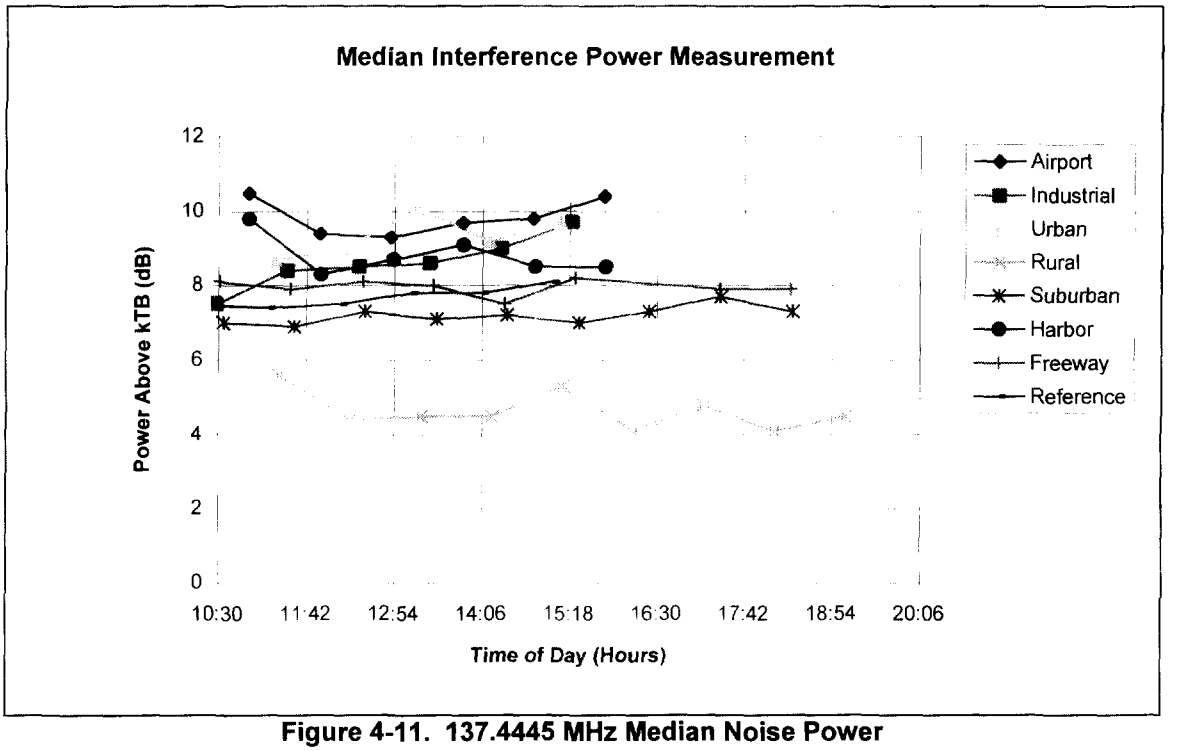


Figure 4-11. 137.4445 MHz Median Noise Power

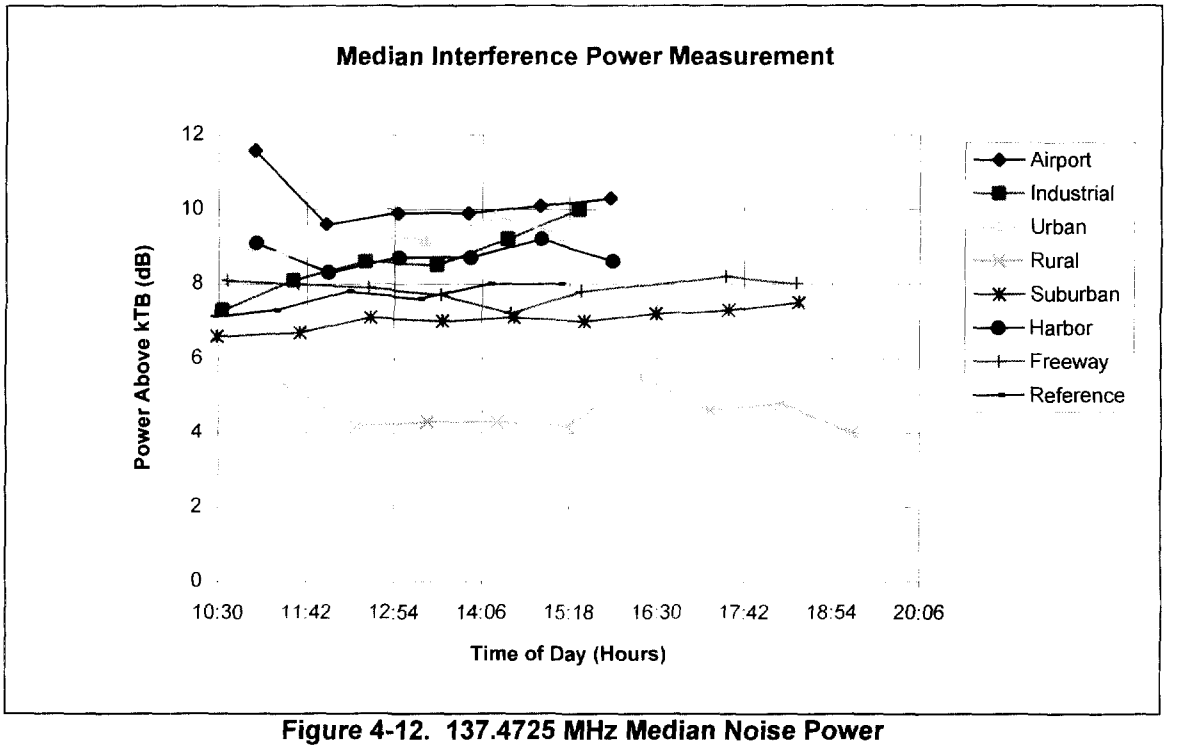


Figure 4-12. 137.4725 MHz Median Noise Power

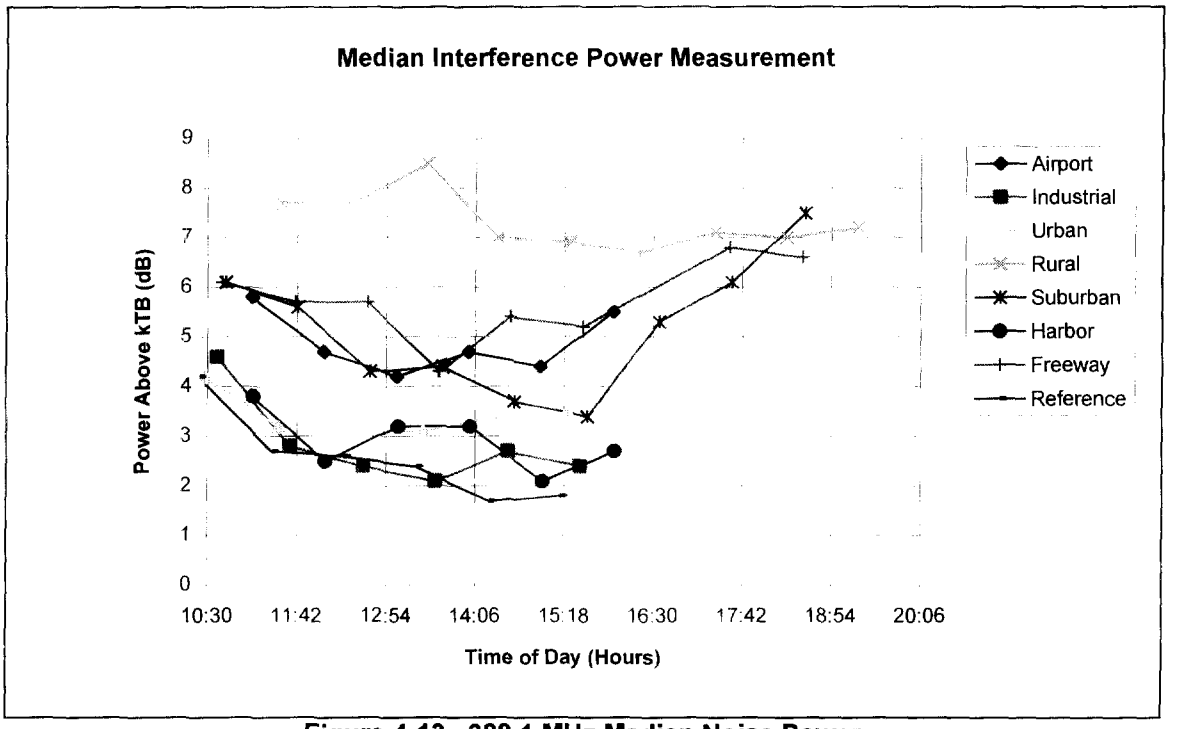


Figure 4-13. 388.1 MHz Median Noise Power

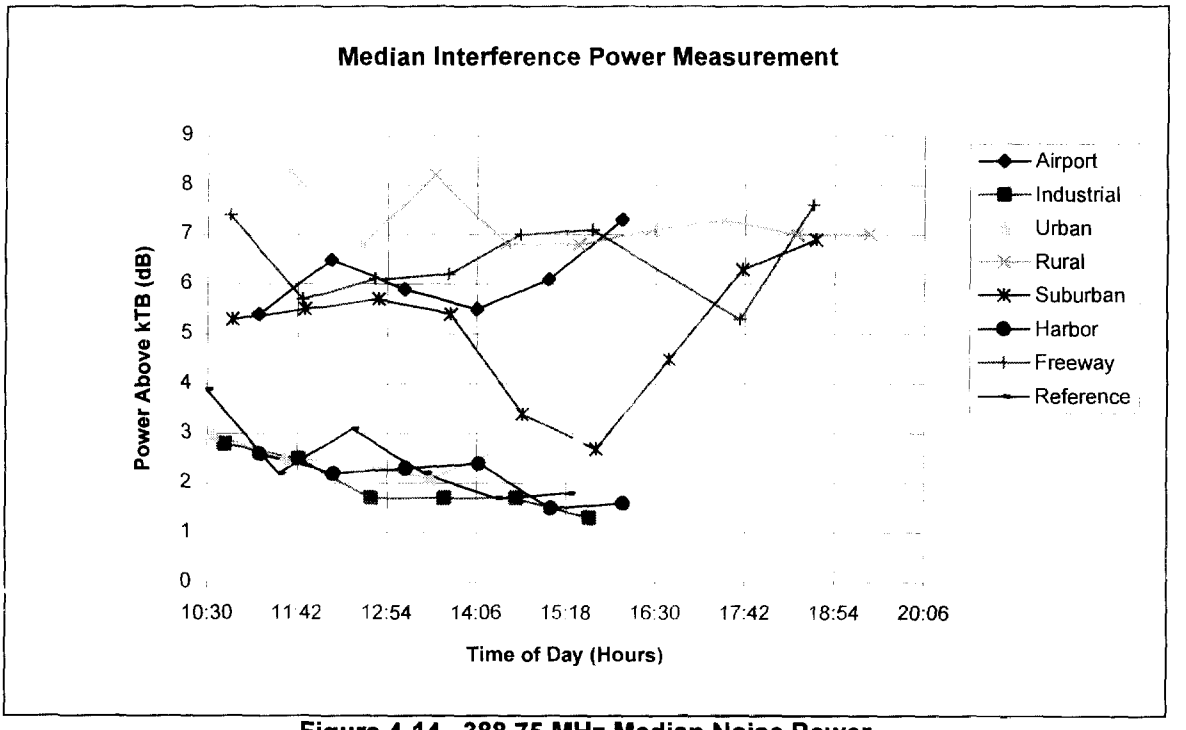


Figure 4-14. 388.75 MHz Median Noise Power

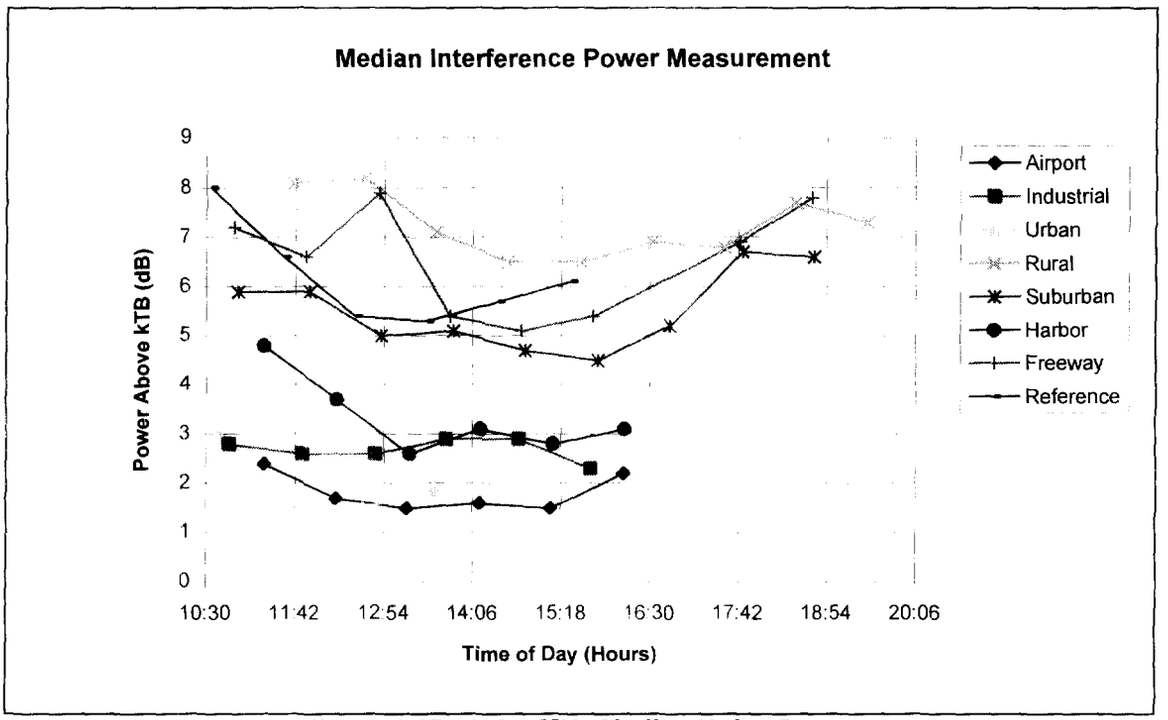


Figure 4-15. 402.5 MHz Median Noise Power

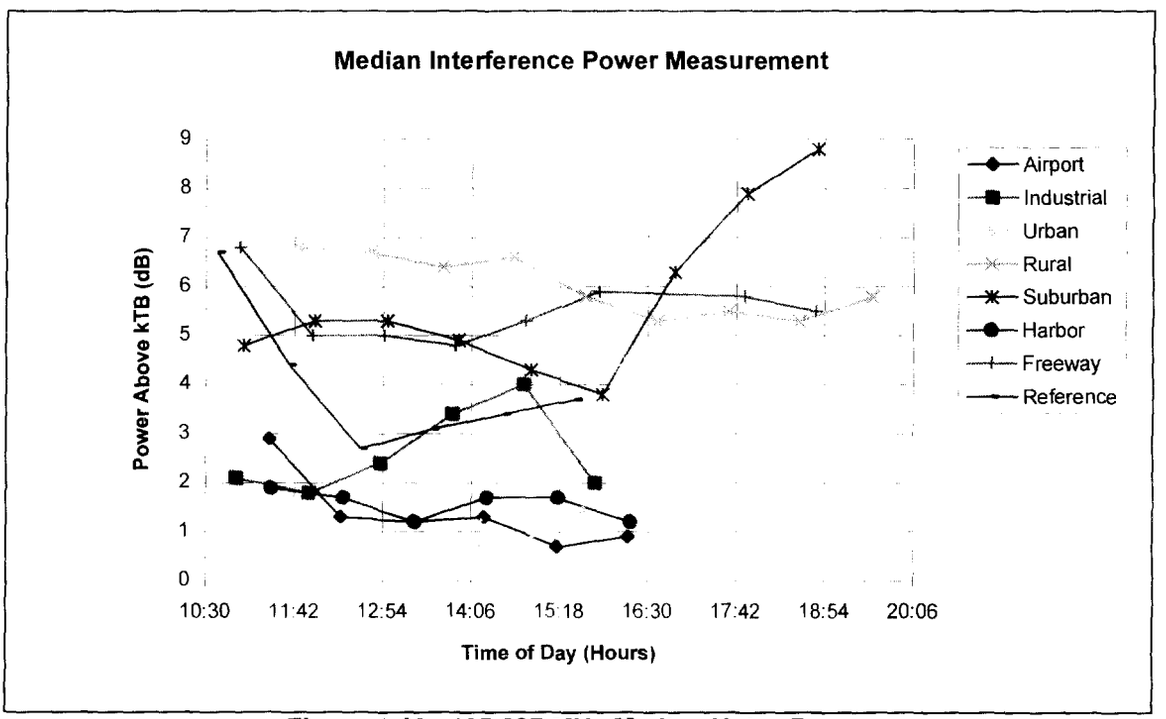


Figure 4-16. 405.237 MHz Median Noise Power

5.0 Moving Vehicle Measurements

Table 5-1 to 5-5 provide summaries of the measurement data taken while driving Routes 1 through 5. The median noise power value above kTB is shown for each measurement set. The variation in noise power for the data collected in each set was small. Typically the difference between the 10-th and the 90-th percentile values varied by 1 to 3 dB. However, a difference value of 22 dB appeared during the Route 3 measurements. Plots of the cumulative probability of exceeding kTB for each of the measurement sets are shown in the indicated figures.

Figure 5-1 shows the variations of the medians with respect to time-of-day.

Table 5-1. Summary of Measurements Taken while Driving Route 1

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-57	137.0125	May 17	10:31 am	4.7	2.7
B-57	137.4175	May 17	10:37 am	5.5	2.5
B-57	137.4445	May 17	10:42 am	4.2	1.0
B-57	137.4725	May 17	10:48 am	4.8	2.9
B-57	388.1	May 17	10:53 am	7.0	1.3
B-57	388.75	May 17	10:58 am	5.8	1.9
B-57	402.5	May 17	11:04 am	7.2	2.7
B-57	405.237	May 17	11:09 am	6.6	2.5

Table 5-2. Summary of Measurements Taken while Driving Route 2

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-58	137.0125	May 17	3:15 pm	3.4	1.1
B-58	137.4175	May 17	3:21 pm	4.0	2.1
B-58	137.4445	May 17	3:26 pm	5.0	1.8
B-58	137.4725	May 17	3:31 pm	4.1	1.9
B-58	388.1	May 17	3:37 pm	8.9	3.6
B-58	388.75	May 17	3:43 pm	7.4	2.5
B-58	402.5	May 17	3:48 pm	6.9	2.7
B-58	405.237	May 17	3:53 pm	5.4	3.6

Table 5-3. Summary of Measurements Taken while Driving Route 3

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-59	137.0125	May 17	6:03 pm	3.4	2.6
B-59	137.4175	May 17	6:08 pm	4.9	21.9
B-59	137.4445	May 17	6:14 pm	5.7	1.7
B-59	137.4725	May 17	6:19 pm	5.7	2.3
B-59	388.1	May 17	6:25 pm	8.2	2.3
B-59	388.75	May 17	6:30 pm	8.7	1.4
B-59	402.5	May 17	6:36 pm	7.7	1.6
B-59	405.237	May 17	6:41 pm	11.8	5.7

Table 5-4. Summary of Measurements Taken while Driving Route 4

Figure	Freq [MHz]	Date	Time	Median Value Above kTB [dB]	Variation From 90th to 10th Percentile [dB]
B-60	137.0125	May 19	10:30 am	4.4	3.7
B-61	137.0125	May 19	11:29 am	6.2	2.3
B-62	137.0125	May 19	12:27 pm	4.0	2.5
B-64	137.0125	May 19	1:25 pm	4.2	7.4
B-65	137.0125	May 19	2:23 pm	7.2	2.7
B-60	137.4175	May 19	10:35 am	4.8	1.9
B-61	137.4175	May 19	11:34 am	5.7	2.8
B-63	137.4175	May 19	12:32 pm	4.9	3
B-64	137.4175	May 19	1:30 pm	5.3	2.1
B-65	137.4175	May 19	2:28 pm	5.5	2.4
B-60	137.4445	May 19	10:41 am	5.0	1.4
B-61	137.4445	May 19	11:40 am	5.0	2.2
B-62	137.4445	May 19	12:38 pm	3.7	1.4
B-64	137.4445	May 19	1:36 pm	5.3	1.8
B-65	137.4445	May 19	2:34 pm	5.3	2.3
B-60	137.4725	May 19	10:46 am	4.5	1.5
B-61	137.4725	May 19	11:45 am	5.4	2.1
B-63	137.4725	May 19	12:43 pm	3.9	1.2
B-64	137.4725	May 19	1:41 pm	5.5	1.8
B-65	137.4725	May 19	2:39 pm	4.9	2.0
B-60	388.1	May 19	10:52 am	5.9	3.0
B-61	388.1	May 19	11:51 am	5.2	2.2
B-62	388.1	May 19	12:49 pm	4.6	1.2
B-63	388.1	May 19	1:47 pm	5.5	2.0
B-65	388.1	May 19	2:45 pm	6.3	2.9
B-60	388.75	May 19	10:57 am	4.9	1.2
B-61	388.75	May 19	11:56 am	5.5	3.0
B-62	388.75	May 19	12:54 pm	6.1	1.5
B-63	388.75	May 19	1:52 pm	5.5	3.1
B-65	388.75	May 19	2:50 pm	6.0	1.5
B-60	402.5	May 19	11:03 am	8.9	1.8
B-61	402.5	May 19	12:01 pm	6.6	1.7
B-62	402.5	May 19	12:59 pm	6.5	2.4
B-63	402.5	May 19	1:57 pm	8.5	2.5
B-64	402.5	May 19	2:56 pm	7.0	2.0
B-60	405.237	May 19	11:09 am	8.7	2.2
B-61	405.237	May 19	12:07 pm	6.8	2.0
B-62	405.237	May 19	1:05 pm	5.4	2.3
B-63	405.237	May 19	2:03 pm	7.9	1.7
B-64	405.237	May 19	3:01 pm	7.4	2.3