

ENGINEERING REPORT COVERING
REQUEST FOR CONSTRUCTION PERMIT
ON BEHALF OF NORTHERN NEW JERSEY RADIO, LP
FOR STATION WMTR(AM) 1250 KILOHERTZ
MORRISTOWN, NEW JERSEY

FEBRUARY 2001

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SUMMARY

The engineering exhibit of which this statement is part was prepared on behalf of Northern New Jersey Radio, LP, hereinafter referred to as "Northern", in support of an application for construction permit for AM station WMTR Morristown, New Jersey. Northern is the licensee of WMTR. WMTR operates on 1250 kilohertz with daytime power of 5 kilowatts and nighttime power of 1 kilowatt. Separate directional antenna systems are employed for each mode of operation. This application proposes minor changes in the WMTR nighttime antenna system. Specifically, Northern seeks to increase nighttime power to 5 kilowatts and modify the existing nighttime directional antenna system. No other changes are proposed.

ALLOCATION CONSIDERATIONS

The nighttime proposal increases the number of towers from three to four and increases the power level to 5 kilowatts. The tower modification is accomplished by dismantling Tower #3 of the WMTR nighttime array, (which is the tall tower that is used for the nighttime antenna system only) and erecting two new towers.

The protected RSS nighttime limits of any legally qualifying North American station will not be increased by this proposal. The presently licensed facilities result in WMTR being a 50% RSS contributor to station WARE, Ware, Massachusetts. Section 73.182(q) of the rules, footnote 1, requires that the WMTR proposal must reduce its RSS contribution to WARE by 10%. The proposed WMTR directional antenna system design reduces the RSS toward WARE by 25.0%.

In addition, WMTR is a 25% RSS contributor to stations WKBR Manchester, New Hampshire and WDVA Danville, Virginia. Section 73.182(q) of the rules, footnote 1, requires that the WMTR proposal not increase its RSS contribution to WKBR and WDVA. The proposed WMTR directional antenna system design reduces the contribution to WKBR by 44.3% and to WDVA by 24.7%.

Figure 1 is a polar plot of the proposed WMTR nighttime antenna pattern. Table 1 is a tabulation of the horizontal radiation values with appropriate distance to contour computations. Table 2 is a tabulation of pertinent vertical radiation values. An allocation study, including permissible radiation values, is included as Table 3. A property plat, containing details of the ground system, is provided in Figure 2.

Figure 3 shows the blanketing contours for the existing and proposed WMTR nighttime operation. Figure 4 is an exhibit depicting the proposed city grade service to WMTR's city of license, Morristown, New Jersey. This proposal will provide city grade service to 81.1% of the area of Morristown. The WMTR nighttime interference free contour has been determined to be 24.4 mv/m.

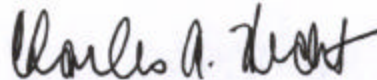
ANSI RADIATION GUIDELINES

A study of the proposed facility was conducted with respect to standards set forth in FCC Bulletin OST Number 65, Edition 97-01, regarding human exposure to radiofrequency radiation. The study evaluated the proposed WMTR nighttime antenna system and was based on data provided in Table 2 of Supplement A, "Predicted Distances for Compliance with FCC Limits: 0.25 Wavelength". Based on Table 2, a 2 meter distance from the tower would have to be observed to achieve ANSI radiofrequency compliance. The fencing for the existing WMTR towers complies with the 2 meter distance from the tower to the fence. Fencing for the proposed WMTR towers will be compliant with the 2 meter distance.

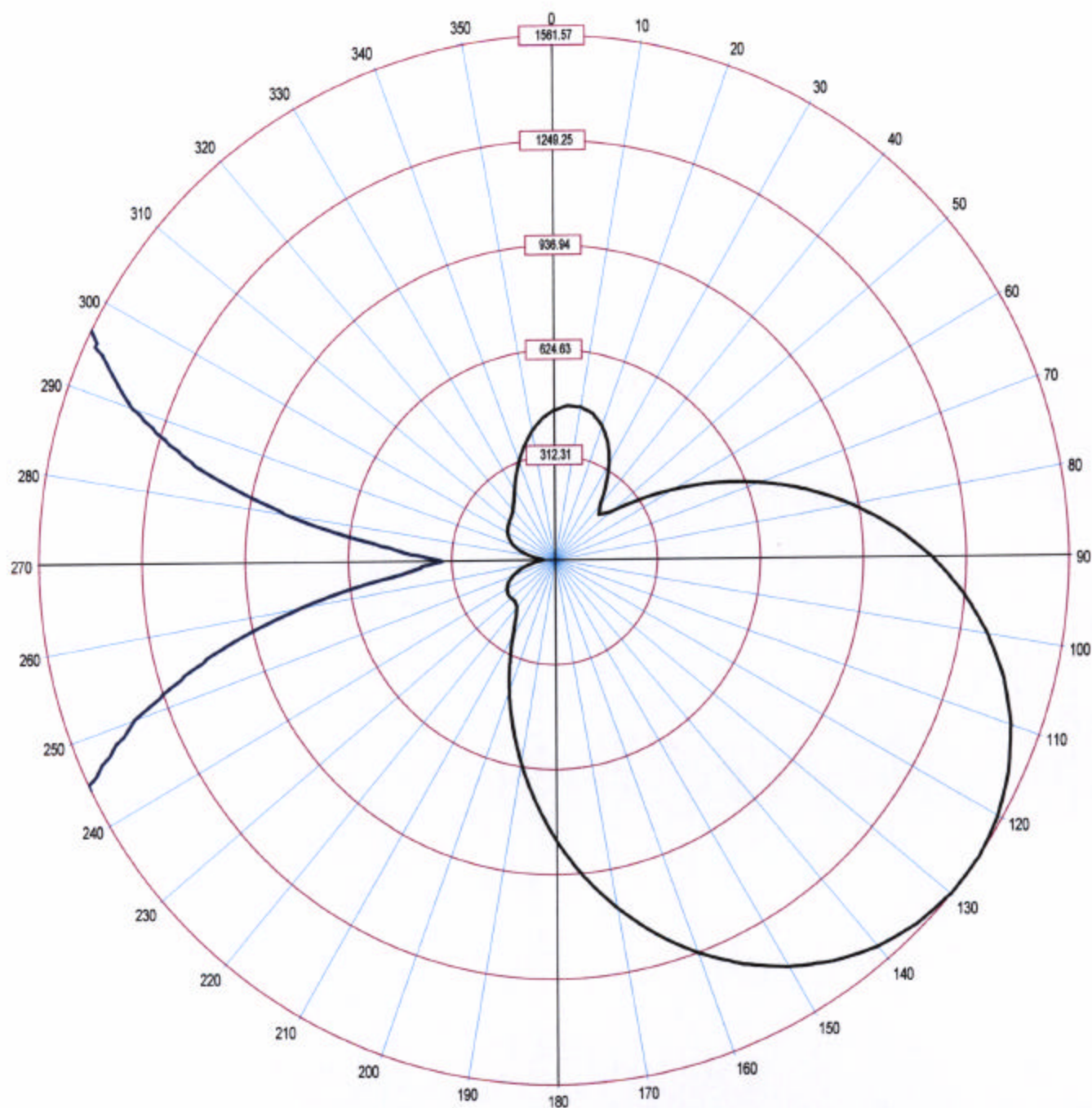
When it is necessary for workers to be within the hazard area near the towers, an appropriate power reduction or temporary cessation of broadcasting will be implemented. Access to the towers will be prevented by a locked security fence that surrounds each tower. Signs, warning of an RF hazard, will be conspicuously posted at the site.

The foregoing was prepared by or under the immediate supervision of Charles A. Hecht of Charles A. Hecht & Associates, Inc., Pittstown, New Jersey, whose qualifications are a matter of record with the Federal Communications Commission. All statements herein are true and correct of his own knowledge except such statements made on information and belief, and as to those statements, he believes them to be true and correct under the penalty of perjury.

Respectfully submitted,



Charles A. Hecht
Charles A. Hecht & Associates, Inc.
16 Doe Run
Pittstown, New Jersey 08867
(908) 730-7959
February 9, 2001



Callsign : WMTR
 Frequency : 1250.00 kHz
 Power : 5.00 kw
 ERSS : 1225.62 mV/m/km
 Theoretical Pattern RMS: 728.87 mV/m/km
 Standard Pattern RMS : 765.99 mV/m/km
 Modified Pattern RMS : 729.20 mV/m/km
 Latitude : 40-48-45.0 N
 Longitude : 74-27-36.0 W
 Number Augmentations : 0

##	Field	Phase	Spacing	Orientation	Height	Top Load	Tower Ref
1	0.7000	229.40	0.00	0.00	93.80	0.00	0
2	0.5210	15.00	84.20	344.00	91.50	0.00	0
3	1.0000	0.00	70.00	270.00	91.50	0.00	0
4	0.7940	147.10	125.30	305.60	91.50	0.00	0

PROPERTY PLAT

WMTR 1250 Kilohertz
Northern New Jersey Radio, LP
Morristown, New Jersey

CHARLES A. HECHT & ASSOCIATES, INC.
Pittstown, New Jersey
February 2001

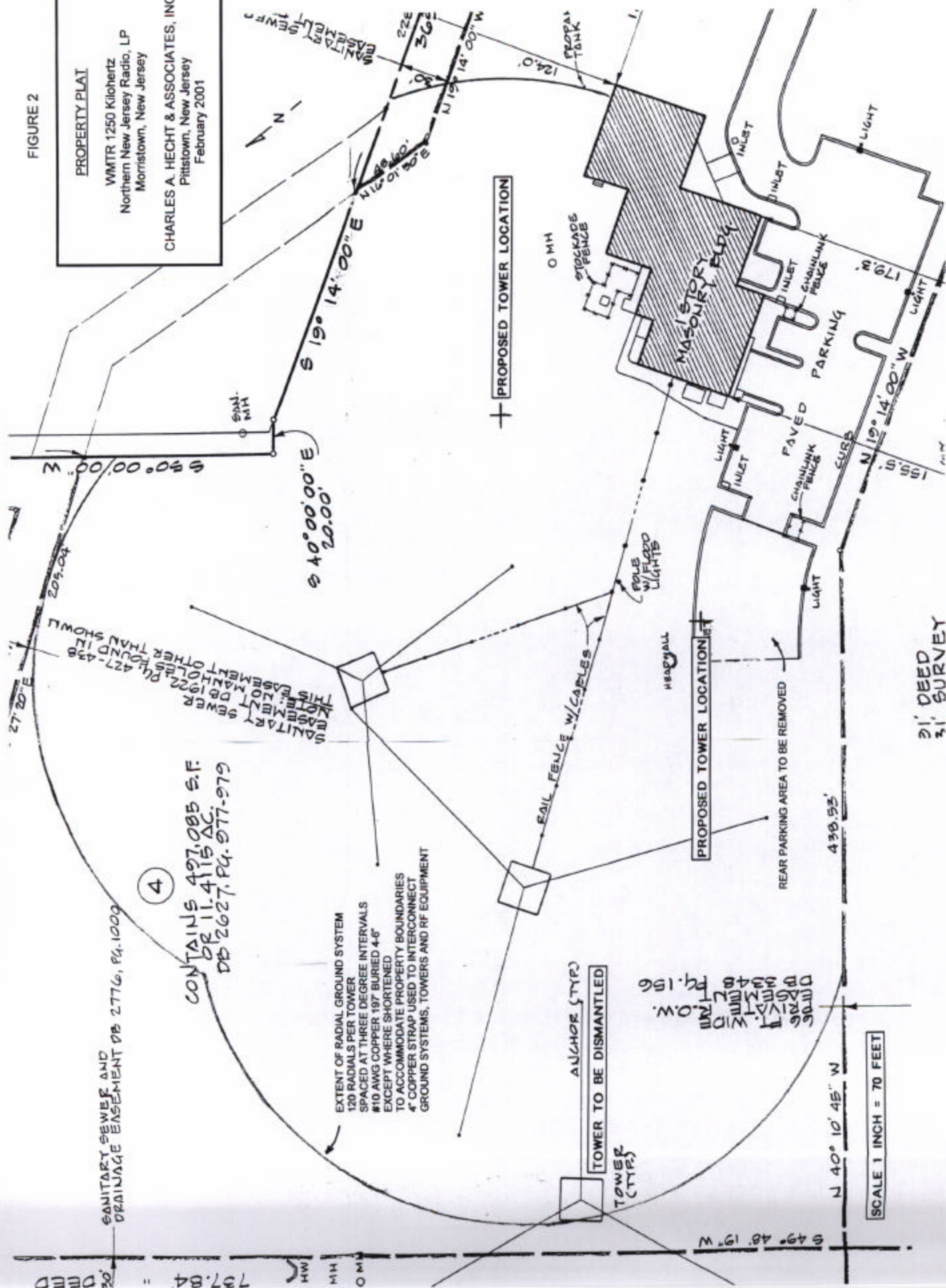
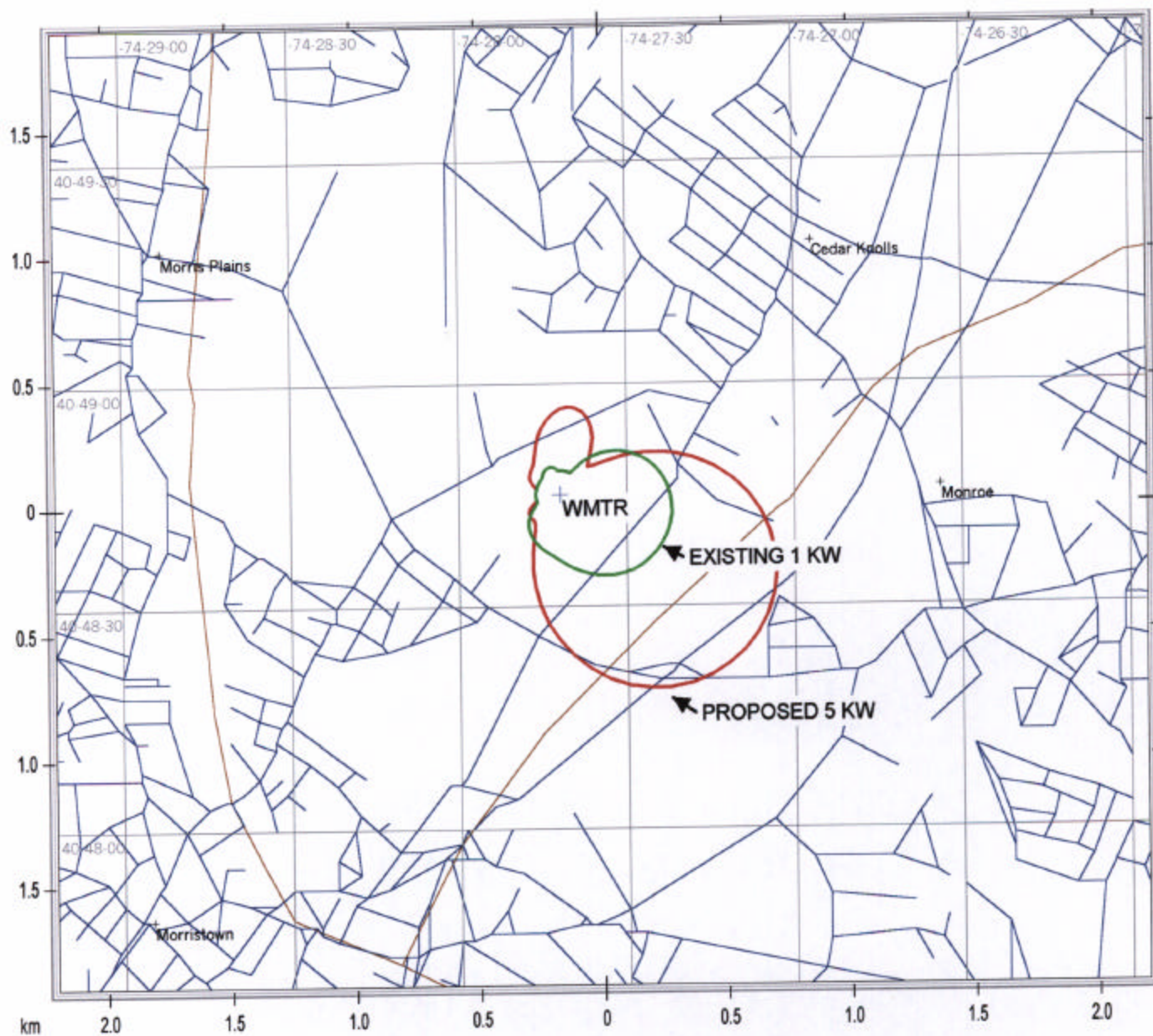


FIGURE 3 - 1 V/M NIGHTTIME CONTOURS

WMTR 1250 Kilohertz



Northern New Jersey Radio, LP - Morristown, New Jersey

State Borders Railroads Streets Lat/Lon Grid

Map Scale: 1:24000 1 cm = 0.24 km V/H Size: 3.80 x 4.40 km

CHARLES A. HECHT & ASSOCIATES, INC. - FEBRUARY 2001



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LEGEND

- | | | |
|----------------------|--------------------|------------|
| State Route | Airfield | Railroad |
| Geo Feature | Population Center | River |
| Town, Small City | Street, Road | Open Water |
| Hill | Hwy Ramp | Contours |
| Hospital | Major Street/Road | |
| Park | Interstate Highway | |
| Interstate, Turnpike | State Route | |
| US Highway | US Highway | |
- Scale 1:31,250 (at center)
- 2000 Feet
- 1000 Meters

CITY OF LICENSE NIF SERVICE

WMTR(AM) 1250 Kiloherzt 5 Kw-DA
Northern New Jersey Radio, LP
Morristown, New Jersey

CHARLES A. HECHT & ASSOCIATES, INC.
Pittstown, New Jersey
February 2001

FIGURE 4

TABLE 1
DISTANCES TO NIGHTTIME CONTOURS
WMTR 1250 KHZ 5 KW DA
NORTHERN NEW JERSEY RADIO, LP
MORRISTOWN, NEW JERSEY

Azimuth (deg)	1 km Field (mV/m)	Segment Conductivity-Distance (mS/m) - (km) *measured	1000 mV/m (km)	24.5 mV/m (km)
0.0	448.	2-68.6,	0.36	5.16
5.0	462.	2-64.9,	0.37	5.24
10.0	464.	2-60.3,	0.37	5.26
15.0	452.	2-56.4,	0.36	5.18
20.0	426.	2-51.7,	0.34	5.01
25.0	386.	2-43.6,	0.31	4.74
30.0	334.	2-31.3,	0.27	4.36
35.0	274.	2-24.7,	0.23	3.89
40.0	217.	2-21.1,	0.19	3.38
45.0	189.	2-18.5,	0.16	3.10
50.0	221.	2-16.6,	0.19	3.42
55.0	304.	2-15.2,	0.25	4.13
60.0	414.	2-14.1,	0.33	4.93
65.0	536.	2-13.2,	0.42	5.69
70.0	663.	2-12.5,	0.50	6.37
75.0	790.	2-11.6,	0.58	6.99
80.0	915.	2-10.8,	0.66	7.53
85.0	1034	2-10.1,	0.72	8.01
90.0	1144	2-9.7,	0.79	8.43
95.0	1245	2-9.3,	0.84	8.79
100.0	1333	2-9.4-32.4,	0.89	9.12
105.0	1409	2-8.8,4-28.7,	0.93	9.58
110.0	1470	2-8.4,4-27.8,	0.96	10.1
115.0	1516	2-7.9,4-27.5,	0.98	10.5
120.0	1547	2-7.5,4-31,	1.00	10.8
125.0	1562	2-7.2,4-34.4,	1.01	11.0
130.0	1561	2-7.4-33.7,	1.01	11.1
135.0	1544	2-6.9,4-33.2,	1.00	11.1
140.0	1512	2-6.8,4-33,	0.98	11.0
145.0	1466	2-6.7,4-32.1,	0.96	10.8
150.0	1406	2-6.7,4-30.8,	0.93	10.6
155.0	1333	2-6.8,4-29.8,	0.89	10.2
160.0	1249	2-6.9,4-80.8,	0.84	9.70
165.0	1156	2-7.1,4-105,	0.79	9.12
170.0	1054	2-7.1,4-123,	0.74	8.59

TABLE 1
-2-
DISTANCES TO NIGHTTIME CONTOURS
WMTR MORRISTOWN, NEW JERSEY

175.0	947.	2-7,4-137,	0.67	7.99
180.0	836.	2-6.9,4-147,	0.61	7.31
185.0	724.	2-7,	0.54	6.67
190.0	614.	2-7.1,	0.47	6.12
195.0	508.	2-7.2,	0.40	5.53
200.0	411.	2-7.4,	0.33	4.91
205.0	326.	2-7.7,	0.27	4.30
210.0	257.	2-8,	0.22	3.74
215.0	208.	2-8.5,	0.18	3.29
220.0	182.	2-9.1,	0.16	3.03
225.0	175.	2-9.8,	0.15	2.95
230.0	175.	2-10.8,	0.15	2.96
235.0	175.	2-11.8,	0.15	2.96
240.0	170.	2-12.7,	0.15	2.90
245.0	157.	2-13.7,	0.14	2.76
250.0	136.	2-15.1,	0.12	2.52
255.0	109.	2-17,	0.11	2.17
260.0	78.3	2-19.5,	.078	1.72
265.0	47.8	2-22.7,	.048	1.20
270.0	34.6	2-25.6,	.035	0.93
275.0	54.5	2-29.5,	.054	1.32
280.0	84.2	2-35.3,	.084	1.81
285.0	113.	2-42.6,	0.10	2.21
290.0	136.	2-99,	0.12	2.51
295.0	154.	2-90.1,	0.14	2.72
300.0	167.	2-83.2,	0.15	2.86
305.0	175.	2-77.9,	0.15	2.95
310.0	180.	2-74.7,	0.16	3.01
315.0	186.	2-72.3,	0.16	3.07
320.0	197.	2-70.5,	0.17	3.19
325.0	216.	2-69.3,	0.18	3.37
330.0	243.	2-68.7,	0.21	3.62
335.0	277.	2-68.5,	0.23	3.91
340.0	315.	2-68.9,	0.26	4.22
345.0	354.	2-69.8,	0.29	4.52
350.0	392.	2-70.9,	0.32	4.78
355.0	424.	2-70.8,	0.34	5.00

Date: 02-08-01
Curve Number: 16
Frequency: 1250

Site Coordinates: 40-48-45 N 74-27-36 W
Conductivity File: WMTR
DA Parameter File: WMTRNP

TABLE 2
NORTHERN NEW JERSEY RADIO, LP
AM BROADCAST STATION WMTR
MORRISTOWN, NEW JERSEY
1250 KHZ 5 KW U DA-2

NIGHTTIME STANDARD RADIATION PATTERN DATA
(Radiation Values at One Kilometer)

TOWER Number	Field Ratio	Phase (deg)	Spacing (deg)	Bearing (deg)	Height (deg)
1	0.700	-130.6	0.0	0.0	93.8
2	0.521	+15.0	84.2	344.0	91.5
3	1.000	+0.0	70.0	270.0	91.5
4	0.794	+147.1	125.3	305.6	91.5
Input Power (kW)	Loop Loss (ohms)	Theoretical RMS (mV/m)	RSS (mV/m)	Q Factor (mV/m)	Standard RMS (mV/m)
5.00	1.00	728.9	1226.	30.6	766.0

TABLE 2
-2-
NIGHTTIME STANDARD RADIATION PATTERN DATA
WMTR MORRISTOWN, NEW JERSEY

STANDARD RADIATION
(at One Kilometer)

Azimuth Angle (deg)	-----Elevation Angle in Degrees-----						
	0 (mV/m)	5 (mV/m)	10 (mV/m)	15 (mV/m)	20 (mV/m)	25 (mV/m)	30 (mV/m)
0	448.	443.	427.	403.	370.	331.	287.
5	462.	456.	440.	413.	378.	336.	290.
10	464.	458.	441.	413.	376.	333.	286.
15	452.	446.	429.	401.	364.	321.	274.
20	426.	420.	403.	376.	340.	298.	253.
25	386.	380.	364.	339.	306.	267.	225.
30	334.	329.	314.	292.	262.	228.	192.
35	274.	270.	258.	239.	215.	188.	160.
40	217.	214.	205.	192.	176.	159.	142.
45	189.	188.	183.	177.	169.	161.	153.
50	221.	220.	218.	214.	210.	204.	198.
55	304.	303.	299.	294.	286.	276.	263.
60	414.	412.	405.	395.	380.	362.	341.
65	536.	532.	522.	506.	484.	456.	424.
70	663.	658.	644.	621.	591.	554.	511.
75	790.	784.	766.	737.	698.	651.	597.
80	915.	908.	886.	851.	804.	746.	681.
85	1034.	1025.	1000.	959.	904.	837.	762.
90	1144.	1135.	1106.	1059.	997.	922.	837.
95	1245.	1234.	1202.	1151.	1082.	999.	906.
100	1333.	1322.	1287.	1232.	1157.	1068.	966.
105	1409.	1396.	1360.	1301.	1222.	1126.	1018.
110	1470.	1457.	1419.	1357.	1274.	1174.	1061.
115	1516.	1503.	1463.	1399.	1313.	1210.	1093.
120	1547.	1533.	1493.	1427.	1340.	1234.	1114.
125	1562.	1548.	1507.	1441.	1353.	1246.	1125.
130	1561.	1547.	1506.	1440.	1352.	1246.	1126.
135	1544.	1531.	1491.	1426.	1339.	1234.	1115.
140	1512.	1499.	1460.	1397.	1312.	1210.	1094.
145	1466.	1453.	1416.	1355.	1273.	1175.	1063.
150	1406.	1394.	1358.	1300.	1223.	1129.	1023.
155	1333.	1322.	1289.	1234.	1162.	1074.	975.
160	1249.	1239.	1208.	1158.	1091.	1010.	918.
165	1156.	1146.	1118.	1073.	1013.	939.	855.
170	1054.	1046.	1021.	981.	927.	862.	787.
175	947.	940.	918.	884.	837.	780.	715.

TABLE 2
-3-
NIGHTTIME STANDARD RADIATION PATTERN DATA
WMTR MORRISTOWN, NEW JERSEY

Azimuth Angle (deg)	STANDARD RADIATION (at One Kilometer)					
	-----Elevation Angle in Degrees-----					
	35 (mV/m)	40 (mV/m)	45 (mV/m)	50 (mV/m)	55 (mV/m)	60 (mV/m)
0	241.	195.	152.	112.	79.3	55.1
5	242.	195.	150.	110.	77.3	54.5
10	237.	189.	144.	105.	74.2	54.2
15	225.	178.	135.	98.2	70.8	54.6
20	207.	162.	123.	90.6	68.3	56.9
25	183.	144.	110.	84.2	68.6	61.7
30	157.	125.	99.6	82.5	73.5	69.6
35	134.	113.	97.8	88.9	84.2	80.6
40	127.	117.	110.	105.	100.	94.5
45	147.	141.	135.	129.	121.	111.
50	190.	182.	172.	160.	145.	129.
55	249.	233.	215.	194.	172.	149.
60	317.	290.	262.	232.	201.	170.
65	389.	351.	312.	271.	231.	191.
70	464.	414.	363.	311.	261.	213.
75	538.	476.	413.	351.	291.	234.
80	611.	537.	463.	390.	320.	255.
85	680.	596.	510.	427.	348.	275.
90	745.	650.	555.	462.	375.	294.
95	805.	700.	595.	494.	399.	311.
100	857.	744.	632.	523.	420.	326.
105	902.	782.	663.	547.	439.	340.
110	939.	813.	688.	567.	454.	351.
115	967.	837.	708.	583.	466.	359.
120	986.	853.	721.	593.	474.	365.
125	996.	862.	728.	599.	479.	369.
130	996.	862.	729.	600.	479.	370.
135	987.	855.	724.	596.	477.	368.
140	970.	841.	712.	587.	470.	363.
145	943.	819.	694.	574.	460.	357.
150	909.	790.	671.	556.	447.	347.
155	867.	755.	643.	534.	431.	336.
160	819.	715.	611.	509.	412.	323.
165	765.	670.	574.	481.	391.	308.
170	706.	621.	535.	450.	368.	292.
175	644.	569.	492.	417.	343.	274.

TABLE 2
-4-
NIGHTTIME STANDARD RADIATION PATTERN DATA
WMTR MORRISTOWN, NEW JERSEY

STANDARD RADIATION
(at One Kilometer)

Azimuth Angle (deg)	-----Elevation Angle in Degrees-----						
	0 (mV/m)	5 (mV/m)	10 (mV/m)	15 (mV/m)	20 (mV/m)	25 (mV/m)	30 (mV/m)
180	836.	830.	812.	783.	743.	695.	640.
185	724.	719.	705.	681.	649.	610.	564.
190	614.	610.	599.	581.	556.	525.	489.
195	508.	506.	498.	484.	466.	443.	416.
200	411.	409.	404.	395.	382.	367.	348.
205	326.	324.	321.	315.	307.	297.	285.
210	257.	256.	253.	249.	244.	237.	230.
215	208.	207.	204.	200.	195.	189.	184.
220	182.	181.	176.	170.	162.	154.	148.
225	175.	172.	166.	156.	144.	133.	123.
230	175.	172.	164.	152.	137.	121.	107.
235	175.	172.	164.	150.	133.	115.	97.5
240	170.	167.	158.	145.	128.	109.	89.8
245	157.	154.	146.	134.	118.	99.7	81.2
250	136.	134.	127.	117.	103.	86.9	70.3
255	109.	108.	102.	94.2	83.3	70.6	57.0
260	78.3	77.1	73.7	68.2	60.8	52.1	42.6
265	47.8	47.3	45.8	43.3	39.7	35.4	30.5
270	34.6	34.5	34.0	33.1	31.9	30.3	28.4
275	54.5	53.8	52.0	49.3	46.0	42.5	39.0
280	84.2	83.1	79.6	74.4	68.1	61.2	54.4
285	113.	111.	106.	98.8	89.8	79.9	70.0
290	136.	134.	129.	120.	109.	96.5	84.2
295	154.	152.	146.	136.	124.	110.	96.3
300	167.	164.	158.	148.	135.	121.	106.
305	175.	172.	166.	156.	144.	130.	115.
310	180.	178.	172.	163.	151.	138.	124.
315	186.	185.	179.	171.	160.	147.	133.
320	197.	196.	191.	183.	173.	160.	146.
325	216.	214.	209.	201.	190.	177.	161.
330	243.	241.	235.	226.	213.	198.	179.
335	277.	274.	268.	256.	241.	222.	200.
340	315.	312.	304.	290.	271.	248.	222.
345	354.	351.	341.	324.	301.	274.	243.
350	392.	388.	375.	356.	329.	298.	262.
355	424.	419.	405.	383.	353.	317.	277.

TABLE 2
-5-
NIGHTTIME STANDARD RADIATION PATTERN DATA
WMTR MORRISTOWN, NEW JERSEY

Azimuth Angle (deg)	STANDARD RADIATION (at One Kilometer)					
	-----Elevation Angle in Degrees-----					
	35 (mV/m)	40 (mV/m)	45 (mV/m)	50 (mV/m)	55 (mV/m)	60 (mV/m)
180	579.	515.	449.	382.	318.	256.
185	514.	460.	404.	347.	291.	237.
190	449.	405.	359.	312.	265.	218.
195	386.	352.	316.	278.	238.	199.
200	326.	301.	274.	244.	213.	180.
205	270.	253.	234.	212.	188.	162.
210	221.	210.	198.	182.	165.	145.
215	178.	172.	165.	155.	143.	129.
220	143.	139.	136.	131.	124.	114.
225	116.	113.	111.	109.	106.	99.7
230	97.2	91.7	90.1	90.3	89.9	87.2
235	83.7	75.5	73.2	74.3	76.1	75.9
240	73.6	63.0	59.3	60.9	64.1	66.1
245	64.5	52.6	47.9	49.6	53.9	57.5
250	54.9	43.2	38.3	40.3	45.4	50.1
255	44.2	34.3	30.3	32.9	38.6	44.0
260	33.5	26.6	24.5	27.7	33.5	39.1
265	25.7	22.4	22.1	25.2	30.3	35.4
270	26.4	24.7	24.3	25.8	29.0	32.9
275	35.5	32.4	29.9	28.8	29.4	31.6
280	48.0	42.2	37.1	33.3	31.2	31.2
285	60.7	52.3	44.8	38.5	33.9	31.7
290	72.5	61.9	52.3	43.8	37.1	32.7
295	83.0	70.7	59.4	49.2	40.5	34.3
300	92.2	78.7	66.2	54.5	44.2	36.1
305	101.	86.5	72.8	59.8	47.9	38.1
310	109.	94.3	79.6	65.3	51.7	40.3
315	118.	103.	86.9	70.9	55.7	42.6
320	130.	113.	94.9	77.0	59.8	45.0
325	143.	124.	104.	83.3	64.0	47.4
330	159.	136.	113.	89.8	68.1	49.6
335	175.	149.	122.	96.2	72.0	51.6
340	193.	162.	132.	102.	75.3	53.3
345	209.	174.	140.	107.	78.0	54.6
350	224.	185.	146.	111.	79.7	55.3
355	235.	192.	151.	113.	80.2	55.4

CHARLES A. HECHT & ASSOCIATES, INC.
BROADCAST ENGINEERING CONSULTANTS

TABLE 3
NIGHTTIME ALLOCATION STUDY
WMTR 1250 KILOHERTZ
NORTHERN NEW JERSEY RADIO, LP
MORRISTOWN, NEW JERSEY

Transmitter site coordinates: N 40 48 45.00 W 74 27 36.00

Point	Distance (km)	Bearing (degs)	Theta Min. (degs)	Theta Max. (degs)	RSS Limit (mV/m)	Reqd. Prot. (mV/m)	Skywv. Mult. (uV/m)	Allowed Radiation (mV/m @ 1 km)
WALO *	2651.8	159.3	0.0	0.0	0.00	2000.00	8.76	999999.9
WALO *	2652.3	159.2	0.0	0.0	0.00	2000.00	8.75	999999.9
WTLQ *	1716.7	205.5	0.9	4.0	0.00	2000.00	17.69	565163.6
KSOX *	2670.3	240.6	0.0	0.0	0.00	2000.00	7.55	999999.9
WKIQ *	1484.7	208.5	2.2	5.8	0.00	2000.00	22.26	449222.7
WMMB *	1522.5	203.5	2.0	5.5	0.00	2000.00	21.52	464767.0
WMMB *	1522.5	203.5	2.0	5.5	0.00	2000.00	21.52	464744.0
WDFL *	1472.0	214.9	2.3	5.9	0.00	2000.00	22.35	447526.6
WFOY *	1361.3	209.2	3.0	6.9	0.00	2000.00	25.56	391260.4
WBGC *	1496.8	225.3	2.1	5.7	0.00	2000.00	21.28	469924.9
WPAX *	1401.0	220.7	2.7	6.5	0.00	2000.00	23.95	417578.2
KANE *	1973.4	238.0	0.0	2.4	0.00	2000.00	12.83	779480.0
WGCM *	1746.1	233.2	0.8	3.9	0.00	2000.00	16.09	621391.8
KVLF *	2866.4	255.4	0.0	0.0	0.00	2000.00	5.89	999999.9
KTAM *	2266.4	247.0	0.0	0.9	0.00	2000.00	9.60	999999.9
WEBJ *	1561.9	230.3	1.7	5.2	0.00	2000.00	19.57	511064.1
WULA *	1375.8	227.4	2.9	6.7	0.00	2000.00	24.31	411425.4
WBHB *	1282.1	220.6	3.5	7.7	0.00	2000.00	27.64	361816.9
WMIS *	1832.0	241.0	0.4	3.3	0.00	2000.00	14.36	696188.6
KXYL *	2410.5	253.0	0.0	0.2	0.00	2000.00	8.23	999999.9
KPBL *	2027.3	244.9	0.0	2.1	0.00	2000.00	11.82	845972.5
KPBL *	2026.1	244.9	0.0	2.2	0.00	2000.00	11.83	845346.9
WDDO *	1204.8	225.5	4.1	8.5	0.00	2000.00	30.27	330409.0
WWNS *	1134.4	217.3	4.7	9.3	0.00	2000.00	33.78	296062.1
KASO *	1902.4	247.4	0.0	2.9	0.00	2000.00	13.02	768153.9
WPBQ *	1685.7	240.8	1.1	4.3	0.00	2000.00	16.58	603262.5
KAMQ *	2802.2	260.1	0.0	0.0	0.00	2000.00	5.82	999999.9
KBGE *	2038.4	249.3	0.0	2.1	0.00	2000.00	11.40	877046.2
KXOX *	2479.7	256.4	0.0	0.0	0.00	2000.00	7.58	999999.9
WARF *	1372.0	239.6	2.9	6.8	0.00	2000.00	23.60	423698.2
WLAG *	1274.3	230.7	3.6	7.7	0.00	2000.00	27.33	365847.8
WTWA *	1083.4	223.7	5.1	10.0	0.00	2000.00	35.99	277893.1
WWZQ *	1465.9	242.4	2.3	5.9	0.00	2000.00	20.90	478485.1
WGRM *	1608.2	244.8	1.5	4.8	0.00	2000.00	17.66	566125.4
KBEL *	1951.5	253.3	0.0	2.6	0.00	2000.00	12.00	833247.8
WDXY *	926.0	215.8	6.7	12.4	0.00	2000.00	46.46	215224.7
WBCF *	1340.5	244.4	3.1	7.1	0.00	2000.00	24.15	414101.3
WBCF *	1340.6	244.3	3.1	7.1	0.00	2000.00	24.16	413966.9
WMGJ *	1270.0	237.1	3.6	7.8	0.00	2000.00	27.04	369866.6

TABLE 3
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NIGHTTIME ALLOCATION STUDY
WMTR MORRISTOWN, NEW JERSEY

KVRC	*	1797.1	251.5	0.5	3.5	0.00	2000.00	14.06	711054.0
KWAK	*	1657.6	250.4	1.2	4.5	0.00	2000.00	16.32	612847.2
WGGA	*	1095.8	231.8	5.0	9.8	0.00	2000.00	34.82	287151.6
WAVN	*	1507.7	249.5	2.1	5.6	0.00	2000.00	19.34	517016.9
WJNC	*	722.3	202.0	9.6	16.7	0.00	2000.00	68.05	146945.9
KCLV	*	2618.1	263.4	0.0	0.0	0.00	2000.00	6.35	999999.9
KVSO	*	2125.1	257.0	0.0	1.6	0.00	2000.00	10.00	999750.8
WLSC	*	847.7	208.9	7.7	13.8	0.00	2000.00	53.47	187020.6
WLSC	*	847.9	208.8	7.7	13.8	0.00	2000.00	53.46	187049.0
WKDK	*	960.5	223.3	6.4	11.8	0.00	2000.00	43.51	229833.9
WSQL	*	952.0	231.9	6.5	11.9	0.00	2000.00	43.55	229623.6
WHVN	*	835.5	223.7	7.9	14.1	0.00	2000.00	53.91	185509.4
WPJL	*	667.3	214.2	10.7	18.2	0.00	2000.00	75.80	131926.3
KALY	*	2868.7	267.9	0.0	0.0	0.00	2000.00	5.02	999999.9
KALY	*	2866.7	267.9	0.0	0.0	0.00	2000.00	5.02	999999.9
KADS	*	2256.1	262.6	0.0	1.0	0.00	2000.00	8.51	999999.9
KOKL	*	1960.5	259.8	0.0	2.5	0.00	2000.00	11.35	880955.1
WEKR	*	1233.3	243.2	3.9	8.2	0.00	2000.00	27.89	358598.6
WTXM	*	987.0	239.9	6.1	11.4	0.00	2000.00	40.51	246832.3
WSDT	*	1121.1	240.1	4.8	9.5	0.00	2000.00	32.94	303624.7
KTLO	*	1632.5	258.1	1.4	4.6	0.00	2000.00	16.07	622432.8
KTLO	*	1629.1	258.1	1.4	4.7	0.00	2000.00	16.13	620079.2
WCNC	*	523.7	197.7	14.2	23.3	0.00	2000.00	106.70	93721.0
WWWC	*	779.9	230.5	8.7	15.3	0.00	2000.00	59.37	168446.9
WBEJ	*	837.6	236.0	7.9	14.0	0.00	2000.00	52.83	189282.8
WNSG	*	1188.4	248.1	4.2	8.7	0.00	2000.00	29.22	342189.7
WENK	*	1355.0	253.6	3.0	6.9	0.00	2000.00	22.88	437016.9
KXIT	*	2486.6	267.0	0.0	0.0	0.00	2000.00	6.72	999999.9
KDGO	*	2891.8	273.2	0.0	0.0	0.00	2000.00	4.53	999999.9
KSLV	*	2738.1	272.9	0.0	0.0	0.00	2000.00	5.09	999999.9
WEBQ	*	1258.6	258.7	3.7	7.9	0.00	2000.00	25.48	392459.6
KIUL	*	2284.6	270.8	0.0	0.8	0.00	2000.00	7.59	999999.9
KNSS	*	1991.5	267.5	0.0	2.3	0.00	2000.00	10.31	969920.6
WPKE	*	787.3	244.6	8.6	15.1	0.00	2000.00	57.35	174363.8
WSFC	*	968.1	248.2	6.3	11.7	0.00	2000.00	41.03	243745.4
KFMO	*	1417.5	261.8	2.6	6.4	0.00	2000.00	20.32	492102.1
KNEM	*	1740.3	265.6	0.8	3.9	0.00	2000.00	13.57	736883.3
WGCV	*	470.9	213.3	15.9	25.8	0.00	2000.00	122.03	81948.6
WGMN	*	617.5	232.1	11.7	19.8	0.00	2000.00	83.55	119684.0
WKEZ	*	701.9	238.0	10.0	17.2	0.00	2000.00	68.90	145143.0
KRDO	*	2590.4	275.1	0.0	0.0	0.00	2000.00	5.52	999999.9
WLLV	*	1004.8	257.2	5.9	11.1	0.00	2000.00	37.69	265333.0
WFTM	*	830.8	256.1	8.0	14.2	0.00	2000.00	51.58	193868.2
WCEN	*	284.0	209.8	26.2	39.4	0.00	2000.00	216.75	46135.6
KLIK	*	1534.6	266.4	1.9	5.4	0.00	2000.00	17.10	584713.3
WTON	*	492.7	234.4	15.2	24.8	0.00	2000.00	113.83	87846.9
WBES	*	677.2	248.9	10.5	17.9	0.00	2000.00	71.66	139555.1
WDNE	*	506.2	247.2	14.7	24.1	0.00	2000.00	108.73	91967.6

TABLE 3
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NIGHTTIME ALLOCATION STUDY
WMTR MORRISTOWN, NEW JERSEY

WTAX	*	1287.5	269.9	3.5	7.6	0.00	2000.00	23.22	430688.2
WJEJ	*	305.0	246.4	24.6	37.4	0.00	2000.00	200.05	49988.0
WSNJ	*	163.1	203.1	41.1	55.3	0.00	2000.00	330.91	30219.6
WSNJ	*	163.2	203.0	41.0	55.3	0.00	2000.00	330.75	30234.5
WHIZ	*	644.7	263.7	11.1	18.9	0.00	2000.00	75.49	132473.0
WHIZ	*	644.8	263.7	11.1	18.9	0.00	2000.00	75.48	132480.3
WHBU	*	953.9	268.7	6.4	11.9	0.00	2000.00	39.73	251682.0
KFOR	*	1862.8	277.3	0.2	3.1	0.00	2000.00	10.70	934856.6
WGBB	*	76.6	103.7	61.8	72.0	0.00	2000.00	427.12	23412.6
WRTA	*	335.7	265.5	22.4	34.7	0.00	2000.00	178.94	55886.2
WIOV	*	136.4	247.0	46.2	60.0	0.00	2000.00	360.57	27733.5
WYGL	*	202.8	270.9	34.9	49.2	0.00	2000.00	285.14	35070.4
WWCO	*	144.3	54.0	44.6	58.5	0.00	2000.00	348.74	28674.9
KBIZ	*	1504.1	276.7	2.1	5.6	0.00	2000.00	16.57	603555.2
WCRW	*	1116.7	281.1	4.8	9.6	0.00	2000.00	28.61	349468.5
WEDC	*	1116.7	281.1	4.8	9.6	0.00	2000.00	28.61	349468.5
WSBC	*	1114.8	280.8	4.8	9.6	0.00	2000.00	28.74	347968.9
WSDR	*	1273.4	280.0	3.6	7.8	0.00	2000.00	22.43	445842.0
WBUR	*	364.9	74.1	20.7	32.4	0.00	2000.00	160.26	62399.9
KODY	*	2200.3	279.7	0.0	1.2	0.00	2000.00	7.31	999999.9
WVOS	*	110.1	348.3	52.3	65.0	0.00	2000.00	388.57	25735.1
WBBW	*	520.4	275.3	14.3	23.5	0.00	2000.00	101.72	98308.4
WBAX	*	130.9	292.5	47.4	61.0	0.00	2000.00	365.34	27372.1
WOON	*	279.1	61.0	26.6	39.9	0.00	2000.00	214.17	46692.1
KFBC	*	2537.6	280.8	0.0	0.0	0.00	2000.00	5.24	999999.9
KRAL	*	2725.3	283.2	0.0	0.0	0.00	2000.00	4.26	999999.9
WHAI	*	249.7	37.1	29.4	43.2	0.00	2000.00	236.81	42228.4
WJIM	*	859.9	287.7	7.6	13.6	0.00	2000.00	44.80	223189.5
WJIM	*	860.2	287.6	7.6	13.6	0.00	2000.00	44.81	223179.8
WGVA	*	310.9	317.9	24.1	36.8	0.00	2000.00	190.04	52620.0
WJTN	*	424.7	291.3	17.8	28.4	0.00	2000.00	132.20	75643.6
WVKZ	*	225.6	9.9	32.0	46.1	0.00	2000.00	258.24	38723.0
KDEC	*	1454.1	286.8	2.4	6.0	0.00	2000.00	16.44	608370.6
KWLC	*	1455.9	286.7	2.4	6.0	0.00	2000.00	16.41	609561.4
KICD	*	1724.8	285.6	0.9	4.0	0.00	2000.00	11.56	864863.1
KICD	*	1724.8	285.6	0.9	4.0	0.00	2000.00	11.56	864856.4
WFTN	*	374.4	37.4	20.2	31.7	0.00	2000.00	151.95	65812.2
WATN	*	372.5	341.5	20.3	31.8	0.00	2000.00	152.06	65761.5
WIBU	*	1263.1	287.9	3.7	7.9	0.00	2000.00	21.75	459875.0
KASL	*	2455.1	287.8	0.0	0.0	0.00	2000.00	4.98	999999.9
KTHE	*	2776.5	287.8	0.0	0.0	0.00	2000.00	3.68	999999.9
WTME	*	504.0	41.8	14.8	24.2	0.00	2000.00	101.13	98878.5
WATT	*	972.6	296.6	6.2	11.6	0.00	2000.00	34.70	288170.9
WNBZ	*	390.5	4.0	19.3	30.6	0.00	2000.00	142.58	70137.0
KCCR	*	2143.8	289.2	0.0	1.5	0.00	2000.00	6.73	999999.9
WSKI	*	412.5	21.7	18.3	29.1	0.00	2000.00	132.97	75207.3
WOMT	*	1139.5	293.2	4.6	9.3	0.00	2000.00	25.91	385969.3
WSYY	*	712.5	38.8	9.8	16.9	0.00	2000.00	57.07	175231.5

TABLE 3
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NIGHTTIME ALLOCATION STUDY
WMTR MORRISTOWN, NEW JERSEY

WCBY	*	973.8	306.9	6.2	11.6	0.00	2000.00	33.21	301117.2
WJON	*	1675.2	294.9	1.1	4.3	0.00	2000.00	11.18	894716.3
KMZK	*	2787.1	292.8	0.0	0.0	0.00	2000.00	3.22	999999.9
KMZK	*	2790.0	292.8	0.0	0.0	0.00	2000.00	3.21	999999.9
WOBT	*	1319.6	298.9	3.3	7.3	0.00	2000.00	18.45	542068.9
WJMC	*	1494.4	296.2	2.1	5.7	0.00	2000.00	14.32	698081.2
WIAN	*	1235.0	305.2	3.9	8.2	0.00	2000.00	20.43	489550.1
WMFG	*	1642.6	302.7	1.3	4.6	0.00	2000.00	10.75	930224.7
KLTZ	*	2658.8	298.9	0.0	0.0	0.00	2000.00	3.12	999999.9
KDLR	*	2086.9	301.1	0.0	1.8	0.00	2000.00	5.91	999999.9
XEUO		2810.3	212.1	0.0	0.0	12.40	6.20	4.22	7352.9
WJIT		2606.6	160.3	0.0	0.0	18.42	4.60	9.02	2552.1
HIBC		2428.7	169.3	0.0	0.0	6.24	3.12	2.46	6334.5
4VS		2421.6	173.7	0.0	0.0	5.12	2.56	2.48	5152.5
CMDU		2155.0	199.1	0.2	0.2	6.71	3.36	3.37	4982.1
XESJ		2982.4	243.4	0.0	0.0	7.03	3.51	3.64	4818.9
XESC		2822.4	247.7	0.0	0.0	9.29	4.64	4.17	5564.6
WHNZ		1604.8	210.1	1.5	4.8	5.64	1.41	19.59	359.8
WHNZ		1601.1	209.8	1.5	4.9	5.82	1.45	19.68	369.5
KDEI		2126.8	241.5	0.0	1.6	6.47	1.62	11.09	729.8
KZDC		2510.7	247.2	0.0	0.0	11.46	2.86	8.01	1787.5
WHNY		1780.8	238.5	0.6	3.6	7.59	1.90	15.25	622.5
WTMA		1014.6	210.6	5.8	11.0	8.33	2.08	40.56	256.7
KIKZ		2653.1	259.2	0.0	0.0	15.12	3.78	6.51	2903.8
KLIH		1698.3	252.1	1.0	4.2	8.66	2.17	15.49	698.9
WGHB		639.6	206.1	11.2	19.0	35.28	8.82	80.87	545.4
WGHB		639.6	206.1	11.2	19.0	35.28	8.82	80.87	545.4
WDVA		638.7	224.2	11.3	19.1	12.19	3.29	80.15	205.0
KXTR		1709.1	270.5	1.0	4.1	5.00	1.25	13.53	461.6
KXTR		1803.1	270.8	0.5	3.5	51.76	12.94	12.15	5323.3
NEW		2556.6	278.9	0.0	0.0	15.88	3.97	5.34	3720.1
WMTR		0.0	0.0	0.0	0.0	28.72	7.18	5.34	0.0
WEAE		466.6	266.1	16.1	26.1	4.31	1.08	119.33	45.2
WGL		898.9	275.0	7.1	12.9	11.04	2.70	43.14	312.5
KCNZ		1506.4	283.3	2.1	5.6	8.92	2.23	15.71	710.0
WARE		245.9	48.9	29.8	43.6	22.61	10.08	240.86	209.3
KTFJ		1815.8	282.9	0.4	3.4	12.13	3.03	10.64	1425.5
WEMP		1149.2	286.4	4.5	9.2	8.40	2.10	26.40	397.7
CHWO		526.2	305.7	18.8	18.8	24.56	12.28	120.88	507.9
CHWO		522.4	305.7	19.0	19.0	24.64	12.32	121.43	507.2
CHWO		526.2	305.7	18.8	18.8	24.56	12.28	120.88	507.9
WKBR		345.7	44.0	21.8	33.9	20.17	7.92	168.14	235.5
NEW		497.4	348.3	19.9	19.9	23.36	11.68	125.15	466.7
KBRF		1835.5	296.5	0.3	3.3	7.22	1.80	8.82	1022.6
KBRF		1840.3	296.5	0.3	3.2	7.16	1.79	8.76	1022.1
CBGA		1047.7	29.1	8.0	8.0	8.33	4.16	59.38	350.5
CHSM		2001.7	306.4	1.0	1.0	10.87	5.43	10.37	2619.4
CKOM		2725.9	308.2	0.0	0.0	7.30	3.61	4.53	3979.2

TABLE 3
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NIGHTTIME ALLOCATION STUDY
WMTR MORRISTOWN, NEW JERSEY

WISO	*	2645.8	161.2	0.0	0.0	70.37	175.93	8.82	99762.4
WISO	*	2645.8	161.2	0.0	0.0	70.37	175.93	8.82	99762.4
NEW	*	2587.4	162.2	0.0	0.0	63.52	158.80	9.16	86718.6
WI2XSO	*	2611.4	162.3	0.0	0.0	62.45	156.12	9.02	86529.6
WSUA	*	1760.3	200.0	0.7	3.8	12.62	31.55	17.11	9220.1
KLDS	*	2641.6	242.6	0.0	0.0	13.18	32.94	7.59	21712.5
WIYD	*	1401.7	209.9	2.7	6.5	17.96	44.89	24.37	9210.7
WKXR	*	733.0	221.2	9.5	16.4	27.31	68.27	65.76	5190.9
KVSF	*	2794.2	268.5	0.0	0.0	3.50	8.76	5.23	8366.0
KWSH	*	2027.5	259.1	0.0	2.1	21.89	54.72	10.72	25515.1
KTTS	*	1672.0	262.5	1.2	4.4	4.34	10.85	14.96	3628.3
WGAY	*	299.5	228.5	25.0	37.9	6.02	15.06	204.90	367.4
WSDZ	*	1351.0	263.9	3.0	7.0	6.12	15.31	21.93	3490.4
WSDZ	*	1351.0	263.9	3.0	7.0	6.12	15.31	21.93	3490.4
WSDZ	*	1350.9	263.9	3.0	7.0	6.13	15.32	21.93	3491.8
WSDZ	*	1350.9	263.9	3.0	7.0	6.13	15.32	21.93	3491.8
WNXT	*	761.3	255.8	9.0	15.7	9.57	23.72	59.26	2001.0
WCHV	*	455.5	230.1	16.5	26.6	10.15	25.37	126.38	1003.7
WNDE	*	988.1	267.7	6.1	11.4	4.07	10.17	37.53	1355.3
WBUD	*	65.8	202.6	65.3	74.5	9.01	22.53	438.07	257.1
WBUD	*	65.8	202.6	65.3	74.5	9.01	22.53	438.07	257.1
WBNR	*	85.6	27.9	59.0	70.1	9.14	22.85	416.30	274.4
WWMK	*	604.4	277.4	12.0	20.2	9.33	23.33	81.49	1431.5
WMKI	*	327.6	59.1	23.0	35.4	5.72	14.29	180.29	396.3
WMKI	*	327.5	59.1	23.0	35.4	5.72	14.29	180.34	396.2
WWJQ	*	987.7	286.3	6.1	11.4	32.04	80.09	35.11	11406.0
WRIE	*	485.1	288.4	15.4	25.1	10.69	26.72	110.68	1206.8
WNSS	*	279.6	332.2	26.6	39.9	14.44	36.11	211.85	852.1
KPOW	*	2812.4	290.4	0.0	0.0	3.79	9.47	3.35	14128.3
WXCE	*	1532.9	294.8	1.9	5.4	13.22	32.43	13.71	11827.7
KROX	*	1915.7	301.3	0.0	2.8	7.48	18.70	7.40	12633.3
KROX	*	1915.7	301.3	0.0	2.8	7.48	18.70	7.40	12633.3

* - indicates an adjacent channel station.