

## Channel-Six TV Protection Study - New Milford FM on Channel 204

CH. 204, U/D ratio = 15.3 dB, Maximum FM signal = 62.3 dBu, **6 dB credit added**

TV/FM D to U values

47.0	62.3	55.0	66.9	63.0	71.7	71.0	77.5	79.0	84.0	87.0	90.7
48.0	62.8	56.0	67.5	64.0	72.3	72.0	78.2	80.0	84.8	88.0	91.6
49.0	63.4	57.0	68.1	65.0	73.0	73.0	79.0	81.0	85.7	89.0	92.4
50.0	63.9	58.0	68.7	66.0	73.7	74.0	79.8	82.0	86.5	90.0	93.3
51.0	64.5	59.0	69.3	67.0	74.5	75.0	80.7	83.0	87.4	91.0	93.3
52.0	65.1	60.0	69.8	68.0	75.2	76.0	81.5	84.0	88.2	92.0	93.3
53.0	65.7	61.0	70.4	69.0	76.0	77.0	82.4	85.0	89.1	93.0	93.3
54.0	66.3	62.0	71.0	70.0	76.7	78.0	83.2	86.0	89.9	94.0	93.3

### **WCSH LI 06- C Dom Int 100.000 kW 610 M HAAT V**

Portland ME 763.0 M COR AMSL

Lat= 43 51 30.0, Lng= 70 42 41.0

Pacific And Southern Company BLCT19990713KG

Fac ID# 39664

Dist.=140.57 km, Azi=35.2°, Rev Azi=215.9°

Direct line HAAT Grade B, 47 dBu= 120.78 km & Grade A= 66.74 km

Distance from reference to Grade B = 19.79 km

Cutoff Dist from Full Service or Class CA= 235

Maximum Co-located power= 5 kW

WCSH Signal Contour at Reference location = 40.7 dBu

### **WRGB CP 06 1C Dom Int 4.640 kW 396 M HAAT THN (DTV)**

Schenectady NY 653.1 M COR AMSL

Lat= 42 37 31.0, Lng= 74 00 38.0

Freedom Broadcasting Of New BPCDT20080307AAK

Fac ID# 73942

Dist.=188.91 km, Azi=263.8°, Rev Azi=82.3°

Direct line HAAT Grade B, 47 dBu= 89.76 km & Grade A= 40.62 km

Distance from reference to Grade B = 99.15 km

Cutoff Dist from Full Service or Class CA= 235

Maximum Co-located power= 5 kW

WRGB Signal Contour at Reference location = 17.2 dBu

**WRGB LI 06Z 1C Dom Int 93.300 kW 311 M HAAT VHN**

Schenectady NY 555.0 M COR AMSL

Lat= 42 38 12.0, Lng= 73 59 45.0

Freedom Broadcasting Of New BLCT2492

Fac ID# 73942

Dist.=187.55 km, Azi=264.2°, Rev Azi=82.6°

Direct line HAAT Grade B, 47 dBu= 117.46 km & Grade A= 64.74 km

Distance from reference to Grade B = 70.09 km

Cutoff Dist from Full Service or Class CA= 235

Maximum Co-located power= 5 kW

WRGB Signal Contour at Reference location = 29.0 dBu

**WEDY CPM 06 1E Dom Int 0.400 kW 88 M HAAT THN (DTV)**

New Haven CT 130.7 M COR AMSL

Lat= 41 19 42.0, Lng= 72 54 25.0

Connecticut Public Broadcast BMPEDT20020305AAU

Fac ID# 13595

Dist.=193.5 km, Azi=210.8°, Rev Azi=30.0°

Direct line HAAT Grade B, 47 dBu= 32.05 km & Grade A= 9.8 km

Distance from reference to Grade B = 161.45 km

Cutoff Dist from Full Service or Class CA= 235

Maximum Co-located power= 5 kW

WEDY Signal Contour at Reference location = -2.1 dBu

**WLNE-TV LI 06+ 1C Dom Int 100.000 kW 283 M HAAT VCY**

New Bedford MA 308.0 M COR AMSL

Lat= 41 35 48.0, Lng= 71 11 24.0

Global Broadcasting Of South BLCT19920604KF

Fac ID# 22591

Dist.=143.8 km, Azi=162.1°, Rev Azi=342.5°

Direct line HAAT Grade B, 47 dBu= 103.47 km & Grade A= 54.27 km

Distance from reference to Grade B = 40.33 km

Cutoff Dist from Full Service or Class CA= 235

Maximum Co-located power= 5 kW

WLNE-TV Signal Contour at Reference location = 34.8 dBu

# Channel Six TV Protection Study - New Milford FM on Channel 204

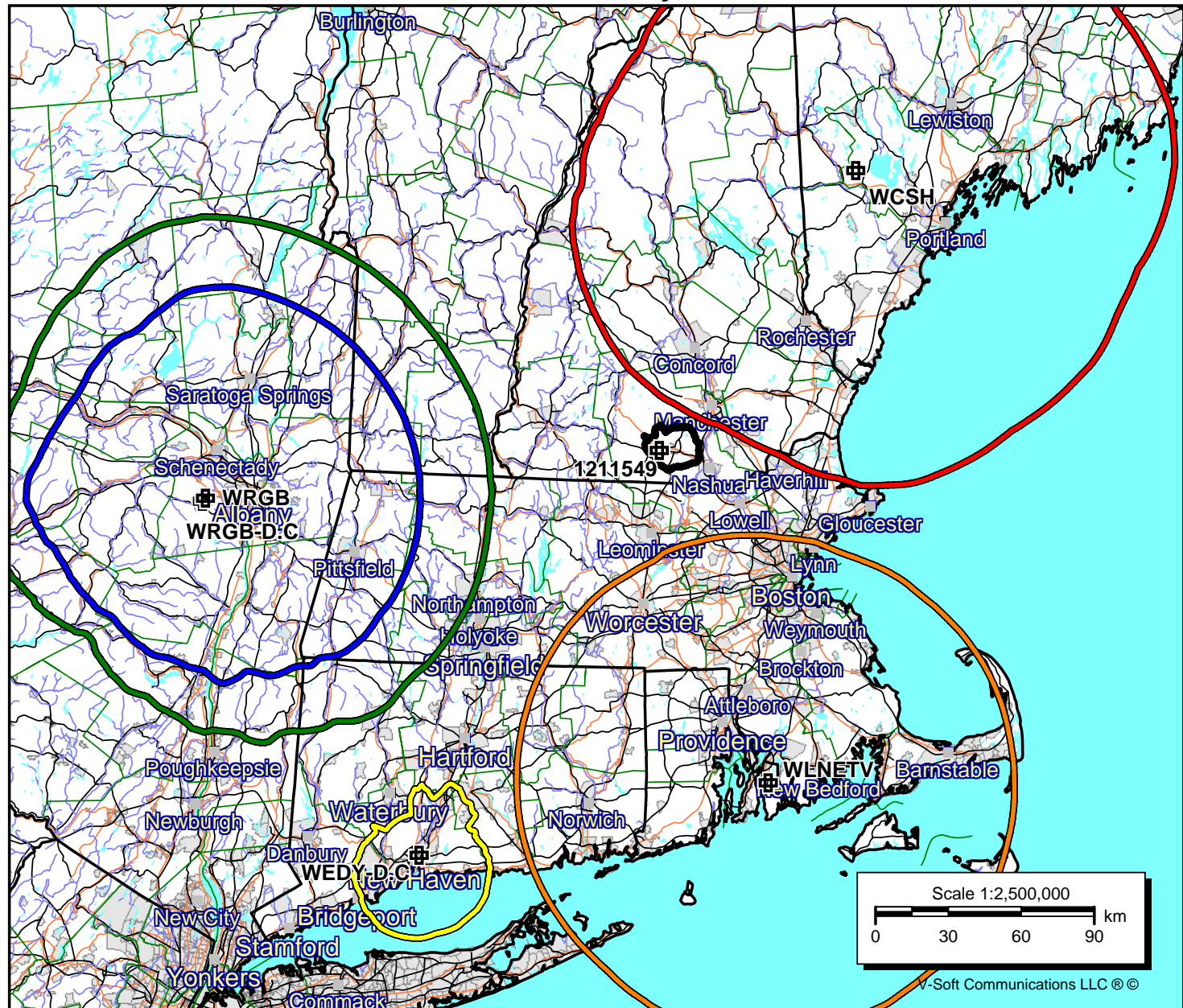
**1211549 - Milford, NH**  
 Proposed Modified DA  
 Latitude: 42-49-46.80 N  
 Longitude: 071-43-14.80 W  
 Study ERP: 0.264 kW  
 0.24 kW H + 0.24 kW V/10  
 Channel: 204  
 Frequency: 88.7 MHz  
 AMSL Height: 269.0 m  
 Elevation: 185.64 m  
 Horiz. Pattern: Directional  
 Vert. Pattern: No  
 Prop Model: None

1211549  
 WCSH  
 WRGB-D.C  
 WRGB  
 WEDY-D.C  
 WLNETV

All TV Contours  
 47 dBu F(50-50)  
 FM Contour  
 62.3 dBu F(50-10)  
 6 dB receiver directivity  
 credit applied

**8/26/2008**

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 (319) 266-8402  
 Telecommunications Consultants



N. Lat. = 424946.8 W. Lng. = 714314.8

HAAT and Distance to Contour - FCC Method - USGS 03 SEC

New Milford - TV 6 Protection - 62.3 dBu Interference Contour

Azi.	AV EL	HAAT	ERP kW	dBk	Field	62.3-F1
000	195.2	73.8	0.2640	-5.78	1.000	9.94
010	208.0	61.0	0.2640	-5.78	1.000	9.08
020	221.7	47.3	0.2640	-5.78	1.000	7.89
030	181.8	87.2	0.2640	-5.78	1.000	10.75
040	145.8	123.2	0.2640	-5.78	1.000	12.65
050	104.1	164.9	0.2640	-5.78	1.000	14.78
060	88.4	180.6	0.2640	-5.78	1.000	15.87
070	90.0	179.0	0.2640	-5.78	1.000	15.78
080	74.9	194.1	0.2640	-5.78	1.000	16.60
090	82.1	186.9	0.2640	-5.78	1.000	16.21
100	78.5	190.5	0.2640	-5.78	1.000	16.41
110	94.9	174.1	0.2494	-6.03	0.972	15.19
120	113.9	155.1	0.1573	-8.03	0.772	12.57
130	133.5	135.5	0.0992	-10.03	0.613	10.46
140	138.6	130.4	0.0626	-12.03	0.487	9.17
150	112.4	156.6	0.0395	-14.03	0.387	9.01
160	114.4	154.6	0.0249	-16.04	0.307	7.93
170	142.8	126.2	0.0157	-18.04	0.244	6.41
180	164.7	104.3	0.0099	-20.03	0.194	5.22
190	177.9	91.1	0.0099	-20.03	0.194	4.85
200	204.5	64.5	0.0086	-20.68	0.180	3.93
210	248.7	20.3	0.0084	-20.78	0.178	2.67
220	287.6	-18.6	0.0103	-19.85	0.198	2.81
230	258.3	10.7	0.0164	-17.86	0.249	3.12
240	273.9	-4.9	0.0260	-15.85	0.314	3.50
250	297.0	-28.0	0.0412	-13.85	0.395	3.92
260	299.3	-30.3	0.0652	-11.86	0.497	4.39
270	327.3	-58.3	0.1035	-9.85	0.626	4.96
280	298.5	-29.5	0.1639	-7.85	0.788	5.59
290	304.3	-35.3	0.2598	-5.85	0.992	6.27
300	317.7	-48.7	0.2640	-5.78	1.000	6.29
310	242.0	27.0	0.2640	-5.78	1.000	6.29
320	258.0	11.0	0.2640	-5.78	1.000	6.29
330	285.1	-16.1	0.2640	-5.78	1.000	6.29
340	246.8	22.2	0.2640	-5.78	1.000	6.29
350	207.8	61.2	0.2640	-5.78	1.000	9.10

Ave El= 195.02 M AMSL= 269 M

N. Lat. = 435130.0 W. Lng. = 704241.0

HAAT and Distance to Contour - FCC Method - USGS 03 SEC

WCSH , Pacific And Southern Company , BLCT19990713KG

Azi. AV EL HAAT ERP kW dBk Field 47-F5

000	204.9	558.1	54.7600	17.38	0.740	117.59
010	154.7	608.3	61.6225	17.90	0.785	122.27
020	151.2	611.8	63.6804	18.04	0.798	122.91
030	149.1	613.9	71.9104	18.57	0.848	124.62
040	145.2	617.8	74.6496	18.73	0.864	125.35
050	125.2	637.8	67.8976	18.32	0.824	125.28
060	101.4	661.6	64.4809	18.09	0.803	125.92
070	100.4	662.6	80.1025	19.04	0.895	128.85
080	98.9	664.1	98.6049	19.94	0.993	131.75
090	94.4	668.6	92.5444	19.66	0.962	131.12
100	92.7	670.3	71.2336	18.53	0.844	127.70
110	97.0	666.0	50.2681	17.01	0.709	122.86
120	108.8	654.2	52.7076	17.22	0.726	122.85
130	109.4	653.6	64.0000	18.06	0.800	125.38
140	103.6	659.4	60.8400	17.84	0.780	125.03
150	92.6	670.4	56.7009	17.54	0.753	124.68
160	91.8	671.2	72.2500	18.59	0.850	127.94
170	96.0	667.0	89.4916	19.52	0.946	130.58
180	123.6	639.4	92.3521	19.65	0.961	129.48
190	146.1	616.9	71.2336	18.53	0.844	124.68
200	158.4	604.6	53.1441	17.25	0.729	120.15
210	182.3	580.7	55.0564	17.41	0.742	119.15
220	171.2	591.8	65.2864	18.15	0.808	122.01
230	149.4	613.6	67.2400	18.28	0.820	123.73
240	150.9	612.1	61.7796	17.91	0.786	122.53
250	160.4	602.6	57.7600	17.62	0.760	121.10
260	185.5	577.5	53.5824	17.29	0.732	118.61
270	234.9	528.1	42.5104	16.28	0.652	112.16
280	207.0	556.0	27.8784	14.45	0.528	109.17
290	150.2	612.8	14.8225	11.71	0.385	104.49
300	152.6	610.4	11.7649	10.71	0.343	101.60
310	158.1	604.9	14.3641	11.57	0.379	103.73
320	159.3	603.7	12.8881	11.10	0.359	102.37
330	190.8	572.2	15.2100	11.82	0.390	102.83
340	187.5	575.5	25.4016	14.05	0.504	109.22
350	173.5	589.5	40.4496	16.07	0.636	115.82

Ave El= 143.31 M HAAT= 619.69 M AMSL= 763 M

N. Lat. = 423731.0 W. Lng. = 740038.0

HAAT and Distance to Contour - FCC Method - USGS 03 SEC

WRGB-D, Freedom Broadcasting Of New , BPCDT20080307AAK

Azi. AV EL HAAT ERP kW dBk Field 47-F5

000	125.9	527.1	4.6400	6.67	1.000	87.56
010	102.4	550.6	4.6400	6.67	1.000	88.89
020	104.2	548.8	4.6400	6.67	1.000	88.79
030	102.8	550.2	4.6400	6.67	1.000	88.87
040	99.3	553.7	4.6400	6.67	1.000	89.05
050	100.2	552.8	4.6400	6.67	1.000	89.00
060	93.0	560.0	4.6400	6.67	1.000	89.36
070	86.6	566.4	4.6400	6.67	1.000	89.66
080	85.7	567.3	4.6400	6.67	1.000	89.70
090	90.4	562.6	4.6400	6.67	1.000	89.48
100	96.5	556.5	4.6400	6.67	1.000	89.19
110	113.5	539.5	4.6400	6.67	1.000	88.28
120	138.4	514.6	4.6400	6.67	1.000	86.83
130	145.5	507.5	4.6400	6.67	1.000	86.41
140	211.9	441.1	4.6400	6.67	1.000	82.01
150	266.6	386.4	4.6400	6.67	1.000	77.97
160	307.5	345.5	4.6400	6.67	1.000	74.97
170	307.2	345.8	4.6400	6.67	1.000	74.99
180	383.8	269.2	4.6400	6.67	1.000	69.08
190	419.3	233.7	4.6400	6.67	1.000	66.14
200	430.4	222.6	4.6400	6.67	1.000	65.16
210	462.1	190.9	4.6400	6.67	1.000	62.21
220	474.8	178.2	4.6400	6.67	1.000	61.01
230	466.4	186.6	4.6400	6.67	1.000	61.80
240	459.6	193.4	4.6400	6.67	1.000	62.44
250	446.7	206.3	4.6400	6.67	1.000	63.65
260	391.8	261.2	4.6400	6.67	1.000	68.41
270	342.6	310.4	4.6400	6.67	1.000	72.38
280	365.4	287.6	4.6400	6.67	1.000	70.61
290	392.0	261.0	4.6400	6.67	1.000	68.39
300	403.0	250.0	4.6400	6.67	1.000	67.48
310	399.7	253.3	4.6400	6.67	1.000	67.76
320	354.7	298.3	4.6400	6.67	1.000	71.47
330	312.6	340.4	4.6400	6.67	1.000	74.59
340	289.7	363.3	4.6400	6.67	1.000	76.27
350	196.5	456.5	4.6400	6.67	1.000	83.14

Ave El= 265.81 M HAAT= 387.19 M AMSL= 653 M

N. Lat. = 423812.0 W. Lng. = 735945.0

HAAT and Distance to Contour - FCC Method - USGS 03 SEC

WRGB , Freedom Broadcasting Of New , BLCT2492

Azi. AV EL HAAT ERP kW dBk Field 47-F5

000	98.0	457.0	93.3000	19.70	1.000	115.59
010	99.0	456.0	93.3000	19.70	1.000	115.49
020	102.1	452.9	93.3000	19.70	1.000	115.22
030	99.5	455.5	93.3000	19.70	1.000	115.45
040	95.1	459.9	93.3000	19.70	1.000	115.85
050	99.5	455.5	93.3000	19.70	1.000	115.45
060	90.8	464.2	93.3000	19.70	1.000	116.24
070	76.8	478.2	93.3000	19.70	1.000	117.53
080	75.4	479.6	93.3000	19.70	1.000	117.66
090	78.8	476.2	93.3000	19.70	1.000	117.35
100	83.2	471.8	93.3000	19.70	1.000	116.95
110	87.3	467.7	93.3000	19.70	1.000	116.57
120	105.7	449.3	93.3000	19.70	1.000	114.89
130	133.8	421.2	93.3000	19.70	1.000	112.37
140	127.9	427.1	93.3000	19.70	1.000	112.90
150	209.7	345.3	93.3000	19.70	1.000	106.11
160	268.6	286.4	93.3000	19.70	1.000	101.58
170	301.4	253.6	93.3000	19.70	1.000	98.53
180	331.5	223.5	93.3000	19.70	1.000	95.63
190	400.4	154.6	93.3000	19.70	1.000	88.50
200	425.1	129.9	93.3000	19.70	1.000	85.22
210	455.5	99.5	93.3000	19.70	1.000	79.94
220	479.1	75.9	93.3000	19.70	1.000	74.26
230	457.9	97.1	93.3000	19.70	1.000	79.44
240	440.9	114.1	93.3000	19.70	1.000	82.73
250	406.9	148.1	93.3000	19.70	1.000	87.70
260	370.4	184.6	93.3000	19.70	1.000	91.80
270	362.4	192.6	93.3000	19.70	1.000	92.61
280	391.2	163.8	93.3000	19.70	1.000	89.57
290	405.8	149.2	93.3000	19.70	1.000	87.83
300	404.4	150.6	93.3000	19.70	1.000	88.01
310	359.4	195.6	93.3000	19.70	1.000	92.91
320	306.3	248.7	93.3000	19.70	1.000	98.05
330	255.2	299.8	93.3000	19.70	1.000	102.74
340	168.7	386.3	93.3000	19.70	1.000	109.31
350	118.3	436.7	93.3000	19.70	1.000	113.76

Ave El= 243.66 M HAAT= 311.34 M AMSL= 555 M

N. Lat. = 411942.0 W. Lng. = 725425.0

HAAT and Distance to Contour - FCC Method - USGS 03 SEC

WEDY-D, Connecticut Public Broadcast , BMPEDT20020305AA

Azi. AV EL HAAT ERP kW dBk Field 47-F5

000	45.6	85.4	0.4000	-3.98	1.000	27.99
010	63.7	67.3	0.4000	-3.98	1.000	25.15
020	38.8	92.2	0.4000	-3.98	1.000	29.03
030	17.7	113.3	0.4000	-3.98	1.000	32.06
040	36.1	94.9	0.4000	-3.98	1.000	29.44
050	42.9	88.1	0.4000	-3.98	1.000	28.42
060	74.1	56.9	0.4000	-3.98	1.000	23.43
070	68.2	62.8	0.4000	-3.98	1.000	24.43
080	56.8	74.2	0.4000	-3.98	1.000	26.25
090	45.2	85.8	0.4000	-3.98	1.000	28.05
100	33.6	97.4	0.4000	-3.98	1.000	29.81
110	29.2	101.8	0.4000	-3.98	1.000	30.45
120	19.1	111.9	0.4000	-3.98	1.000	31.88
130	14.0	117.0	0.4000	-3.98	1.000	32.54
140	13.7	117.3	0.4000	-3.98	1.000	32.58
150	8.4	122.6	0.4000	-3.98	1.000	33.21
160	8.5	122.5	0.4000	-3.98	1.000	33.20
170	7.6	123.4	0.4000	-3.98	1.000	33.31
180	0.3	130.7	0.4000	-3.98	1.000	34.15
190	0.1	130.9	0.4000	-3.98	1.000	34.17
200	1.2	129.8	0.4000	-3.98	1.000	34.04
210	8.9	122.1	0.4000	-3.98	1.000	33.16
220	21.3	109.7	0.4000	-3.98	1.000	31.58
230	29.6	101.4	0.4000	-3.98	1.000	30.40
240	40.8	90.2	0.4000	-3.98	1.000	28.74
250	42.3	88.7	0.4000	-3.98	1.000	28.51
260	55.3	75.7	0.4000	-3.98	1.000	26.48
270	66.9	64.1	0.4000	-3.98	1.000	24.63
280	75.2	55.8	0.4000	-3.98	1.000	23.22
290	84.4	46.6	0.4000	-3.98	1.000	21.26
300	86.0	45.0	0.4000	-3.98	1.000	20.88
310	108.1	22.9	0.4000	-3.98	1.000	17.05
320	119.3	11.7	0.4000	-3.98	1.000	17.05
330	124.8	6.2	0.4000	-3.98	1.000	17.05
340	127.9	3.1	0.4000	-3.98	1.000	17.05
350	78.9	52.1	0.4000	-3.98	1.000	22.49

Ave El= 47.07 M HAAT= 83.93 M AMSL= 131 M



N. Lat. = 413548.0 W. Lng. = 711124.0

HAAT and Distance to Contour - FCC Method - USGS 03 SEC

WLNETV, Global Broadcasting Of South , BLCT19920604KF

Azi. AV EL HAAT ERP kW dBk Field 47-F5

000	29.7	278.3	100.0000	20.00	1.000	101.65
010	38.3	269.7	100.0000	20.00	1.000	100.85
020	56.5	251.5	100.0000	20.00	1.000	99.11
030	50.1	257.9	100.0000	20.00	1.000	99.73
040	53.3	254.7	100.0000	20.00	1.000	99.42
050	46.1	261.9	100.0000	20.00	1.000	100.11
060	38.0	270.0	100.0000	20.00	1.000	100.88
070	34.7	273.3	100.0000	20.00	1.000	101.19
080	36.6	271.4	100.0000	20.00	1.000	101.02
090	35.2	272.8	100.0000	20.00	1.000	101.14
100	31.3	276.7	100.0000	20.00	1.000	101.50
110	29.1	278.9	100.0000	20.00	1.000	101.70
120	21.0	287.0	100.0000	20.00	1.000	102.43
130	12.1	295.9	100.0000	20.00	1.000	103.21
140	21.7	286.3	100.0000	20.00	1.000	102.38
150	16.6	291.4	100.0000	20.00	1.000	102.82
160	16.6	291.4	100.0000	20.00	1.000	102.82
170	18.8	289.2	100.0000	20.00	1.000	102.63
180	15.6	292.4	100.0000	20.00	1.000	102.91
190	4.7	303.3	100.0000	20.00	1.000	103.83
200	0.4	307.6	100.0000	20.00	1.000	104.19
210	12.8	295.2	100.0000	20.00	1.000	103.15
220	28.4	279.6	100.0000	20.00	1.000	101.77
230	27.3	280.7	100.0000	20.00	1.000	101.87
240	22.4	285.6	100.0000	20.00	1.000	102.31
250	15.8	292.2	100.0000	20.00	1.000	102.89
260	12.0	296.0	100.0000	20.00	1.000	103.22
270	10.8	297.2	100.0000	20.00	1.000	103.32
280	8.7	299.3	100.0000	20.00	1.000	103.50
290	4.7	303.3	100.0000	20.00	1.000	103.84
300	2.9	305.1	100.0000	20.00	1.000	103.99
310	1.7	306.3	100.0000	20.00	1.000	104.08
320	2.2	305.8	100.0000	20.00	1.000	104.04
330	15.5	292.5	100.0000	20.00	1.000	102.92
340	6.1	301.9	100.0000	20.00	1.000	103.71
350	16.3	291.7	100.0000	20.00	1.000	102.84

Ave El= 22.06 M HAAT= 285.94 M AMSL= 308 M