

WVPR (Proposed) v. WCSH

WVPR

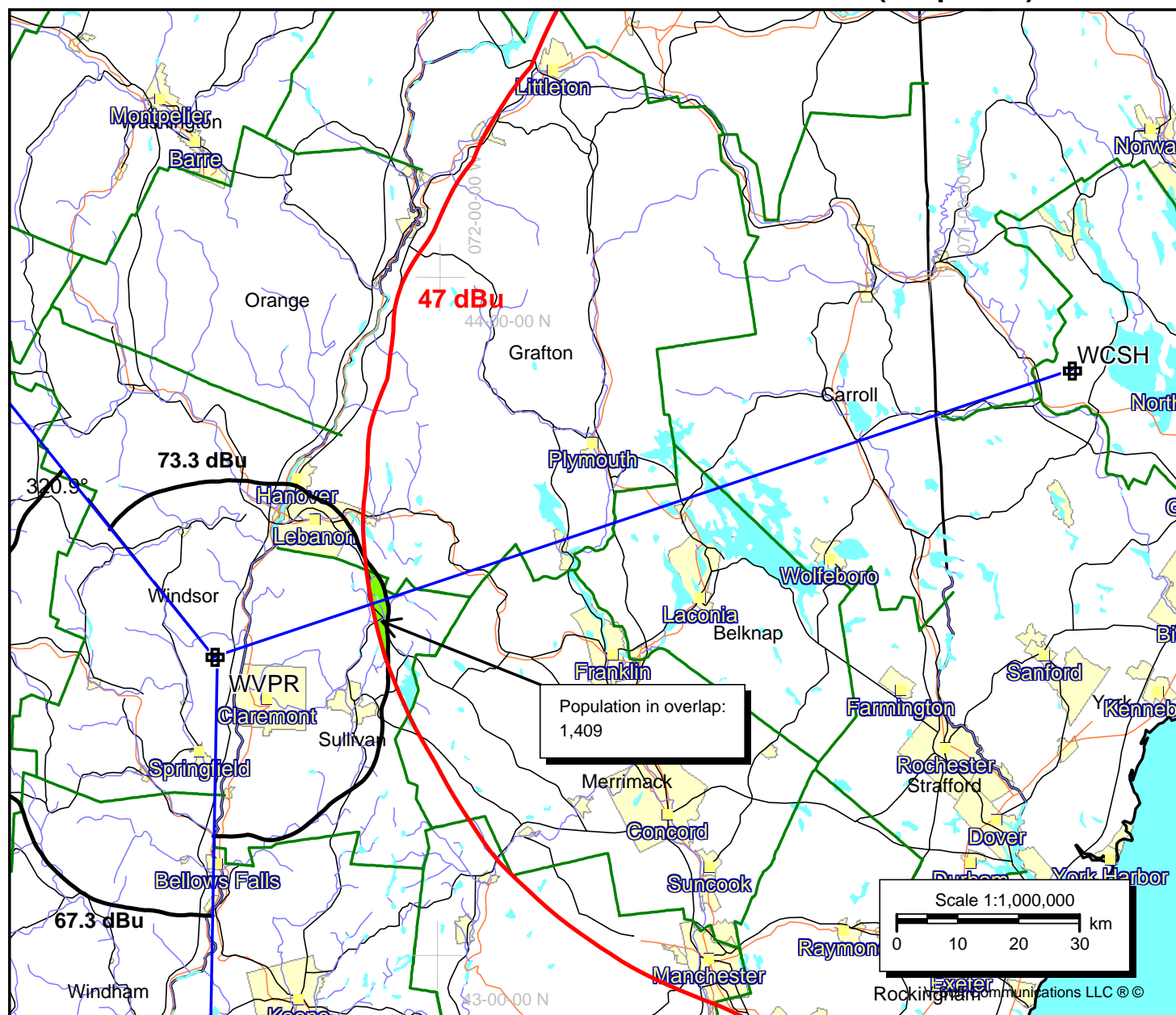
Latitude: 43-26-15 N
 Longitude: 072-27-08 W
 Study ERP: 1.87 kW
 1.7 kW H + 1.7 kW V/10
 Channel: 208
 Frequency: 89.5 MHz
 AMSL Height: 975.0 m
 HAAT: 693.23 m
 Horiz. Pattern: Omni
 Vert. Pattern: No
 Prop Model: None

WCSH

BLCT19990713KG
 Latitude: 43-51-30 N
 Longitude: 070-42-41 W
 ERP: 100.00 kW
 Channel: 06-
 Frequency: 84.5 MHz
 AMSL Height: 763.0 m
 HAAT: 610.0 m
 Horiz. Pattern: Directional
 Vert. Pattern: Yes
 Elec Tilt: 0.0

June 16, 2004

V
 Doug Vernier
 721 West 1st Street, Suite A
 Cedar Falls, Iowa 50613
 Telecommunications Consultants



WVPR (Proposed) v. WRGB**WVPR**

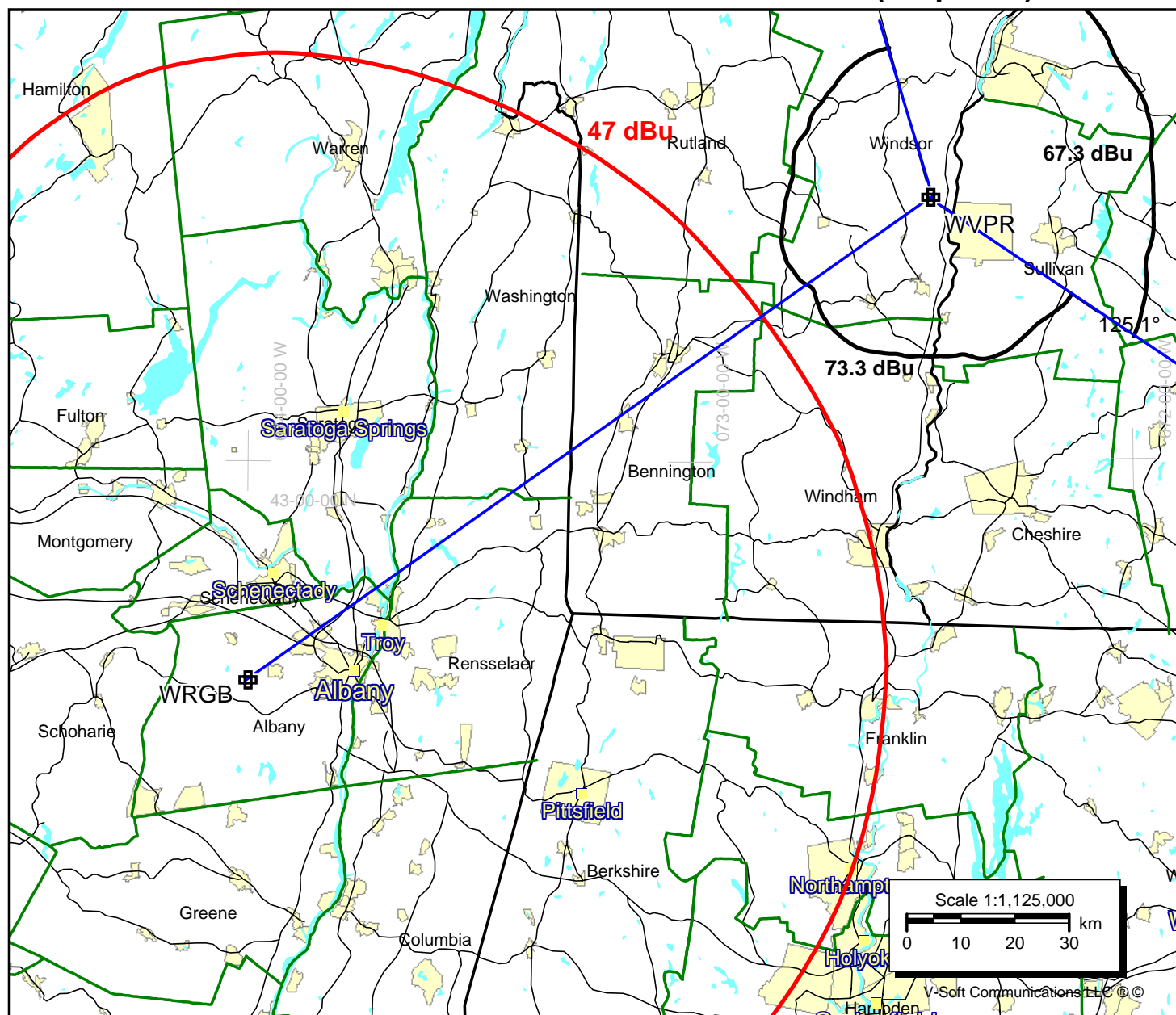
Latitude: 43-26-15 N
 Longitude: 072-27-08 W
 Study ERP: 1.87 kW
 1.7 kW H + 1.7 kW V/10
 Channel: 208
 Frequency: 89.5 MHz
 AMSL Height: 975.0 m
 HAAT: 693.23 m
 Horiz. Pattern: Omni
 Vert. Pattern: No
 Prop Model: None

WRGB

BLCT2492
 Latitude: 42-38-12 N
 Longitude: 073-59-45 W
 ERP: 93.30 kW
 Channel: 06Z
 Frequency: 85.0 MHz
 AMSL Height: 555.0 m
 HAAT: 311.0 m
 Horiz. Pattern: Omni
 Vert. Pattern: Yes
 Elec Tilt: 0.0

June 16, 2004

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N. Lat. = 43 26 15 W. Lng. = 72 27 08

HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.

WVPR - Interference Contours for TV6 Protection

Azi.	AV EL	HAAT	ERP kW	dBk	Field	67.3-F1	73.3-F1
000	287.8	687.2	1.8700	2.72	1.000	41.62	28.79
010	262.6	712.4	1.8700	2.72	1.000	42.39	29.39
020	219.7	755.3	1.8700	2.72	1.000	43.66	30.33
030	200.6	774.4	1.8700	2.72	1.000	44.21	30.73
040	177.5	797.5	1.8700	2.72	1.000	44.88	31.19
050	228.0	747.0	1.8700	2.72	1.000	43.42	30.15
060	252.4	722.6	1.8700	2.72	1.000	42.70	29.62
070	248.5	726.5	1.8700	2.72	1.000	42.81	29.70
080	297.1	677.9	1.8700	2.72	1.000	41.33	28.56
090	305.8	669.2	1.8700	2.72	1.000	41.05	28.34
100	290.1	684.9	1.8700	2.72	1.000	41.55	28.73
110	269.7	705.3	1.8700	2.72	1.000	42.18	29.22
120	192.2	782.8	1.8700	2.72	1.000	44.46	30.90
130	162.1	812.9	1.8700	2.72	1.000	45.32	31.50
140	210.0	765.0	1.8700	2.72	1.000	43.94	30.53
150	176.1	798.9	1.8700	2.72	1.000	44.92	31.22
160	158.3	816.7	1.8700	2.72	1.000	45.42	31.57
170	255.3	719.7	1.8700	2.72	1.000	42.61	29.55
180	264.1	710.9	1.8700	2.72	1.000	42.35	29.35
190	251.4	723.6	1.8700	2.72	1.000	42.73	29.64
200	220.8	754.2	1.8700	2.72	1.000	43.63	30.30
210	199.5	775.5	1.8700	2.72	1.000	44.25	30.75
220	237.0	738.0	1.8700	2.72	1.000	43.16	29.96
230	320.7	654.3	1.8700	2.72	1.000	40.56	27.96
240	294.2	680.8	1.8700	2.72	1.000	41.42	28.63
250	282.6	692.4	1.8700	2.72	1.000	41.78	28.91
260	327.3	647.7	1.8700	2.72	1.000	40.34	27.79
270	370.0	605.0	1.8700	2.72	1.000	38.77	26.61
280	400.4	574.6	1.8700	2.72	1.000	37.52	25.74
290	374.0	601.0	1.8700	2.72	1.000	38.61	26.49
300	395.1	579.9	1.8700	2.72	1.000	37.75	25.89
310	370.3	604.7	1.8700	2.72	1.000	38.76	26.60
320	350.7	624.3	1.8700	2.72	1.000	39.51	27.15
330	310.8	664.2	1.8700	2.72	1.000	40.89	28.22
340	293.7	681.3	1.8700	2.72	1.000	41.44	28.64
350	295.7	679.3	1.8700	2.72	1.000	41.37	28.60

AMSL= 975 M

Doug Vernier Telecommunications Consultants

N. Lat. = 43 51 30 W. Lng. = 70 42 41

HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.

WCSH , Pacific And Southern Company , BLCT19990713KG

Azi .	AV EL	HAAT	ERP kW	dBk	Field	47-F5
000	202.6	560.4	54.7600	17.38	0.740	117.75
010	158.6	604.4	61.6225	17.90	0.785	122.04
020	153.7	609.3	63.6804	18.04	0.798	122.76
030	153.7	609.3	71.9104	18.57	0.848	124.34
040	143.2	619.8	74.6496	18.73	0.864	125.48
050	128.7	634.3	67.8976	18.32	0.824	125.08
060	103.4	659.6	64.4809	18.09	0.803	125.81
070	96.6	666.4	80.1025	19.04	0.895	129.05
080	96.7	666.3	98.6049	19.94	0.993	131.87
090	93.6	669.4	92.5444	19.66	0.962	131.16
100	90.0	673.0	71.2336	18.53	0.844	127.84
110	96.7	666.3	50.2681	17.01	0.709	122.88
120	106.4	656.6	52.7076	17.22	0.726	122.98
130	107.8	655.2	64.0000	18.06	0.800	125.47
140	101.4	661.6	60.8400	17.84	0.780	125.15
150	94.8	668.2	56.7009	17.54	0.753	124.57
160	96.6	666.4	72.2500	18.59	0.850	127.69
170	96.2	666.8	89.4916	19.52	0.946	130.57
180	126.4	636.6	92.3521	19.65	0.961	129.32
190	147.5	615.5	71.2336	18.53	0.844	124.60
200	161.5	601.5	53.1441	17.25	0.729	119.97
210	183.6	579.4	55.0564	17.41	0.742	119.07
220	170.2	592.8	65.2864	18.15	0.808	122.07
230	150.6	612.4	67.2400	18.28	0.820	123.65
240	152.1	610.9	61.7796	17.91	0.786	122.46
250	153.9	609.1	57.7600	17.62	0.760	121.48
260	193.6	569.4	53.5824	17.29	0.732	118.09
270	234.8	528.2	42.5104	16.28	0.652	112.16
280	203.1	559.9	27.8784	14.45	0.528	109.43
290	160.3	602.7	14.8225	11.71	0.385	104.00
300	149.8	613.2	11.7649	10.71	0.343	101.73
310	153.9	609.1	14.3641	11.57	0.379	103.93
320	162.5	600.5	12.8881	11.10	0.359	102.23
330	189.4	573.6	15.2100	11.82	0.390	102.90
340	189.0	574.0	25.4016	14.05	0.504	109.14
350	174.8	588.2	40.4496	16.07	0.636	115.75

Ave El = 143.83 M HAAT= 619.17 M AMSL= 763 M

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N. Lat. = 42 38 12 W. Lng. = 73 59 45

HAAT and Distance to Contour - FCC Method - 30 Arc. Sec.

WRGB, Freedom Broadcasting Of New, BLCT2492

Azi.	AV EL	HAAT	ERP kW	dBk	Field	47-F5
000	100.2	454.8	93.3000	19.70	1.000	115.39
010	95.1	459.9	93.3000	19.70	1.000	115.86
020	96.8	458.2	93.3000	19.70	1.000	115.70
030	97.4	457.6	93.3000	19.70	1.000	115.65
040	93.6	461.4	93.3000	19.70	1.000	115.99
050	94.4	460.6	93.3000	19.70	1.000	115.91
060	88.0	467.0	93.3000	19.70	1.000	116.50
070	76.9	478.1	93.3000	19.70	1.000	117.53
080	75.5	479.5	93.3000	19.70	1.000	117.65
090	76.6	478.4	93.3000	19.70	1.000	117.55
100	82.9	472.1	93.3000	19.70	1.000	116.97
110	88.2	466.8	93.3000	19.70	1.000	116.48
120	103.3	451.7	93.3000	19.70	1.000	115.11
130	133.9	421.1	93.3000	19.70	1.000	112.36
140	130.9	424.1	93.3000	19.70	1.000	112.63
150	209.4	345.6	93.3000	19.70	1.000	106.14
160	267.9	287.1	93.3000	19.70	1.000	101.64
170	299.2	255.8	93.3000	19.70	1.000	98.73
180	332.2	222.8	93.3000	19.70	1.000	95.56
190	400.4	154.6	93.3000	19.70	1.000	88.49
200	427.9	127.1	93.3000	19.70	1.000	84.82
210	455.3	99.7	93.3000	19.70	1.000	79.98
220	477.6	77.4	93.3000	19.70	1.000	74.68
230	457.2	97.8	93.3000	19.70	1.000	79.60
240	441.7	113.3	93.3000	19.70	1.000	82.59
250	412.6	142.4	93.3000	19.70	1.000	86.97
260	376.3	178.7	93.3000	19.70	1.000	91.18
270	361.9	193.1	93.3000	19.70	1.000	92.66
280	393.3	161.7	93.3000	19.70	1.000	89.33
290	405.3	149.7	93.3000	19.70	1.000	87.90
300	402.4	152.6	93.3000	19.70	1.000	88.25
310	361.0	194.0	93.3000	19.70	1.000	92.75
320	308.6	246.4	93.3000	19.70	1.000	97.83
330	260.2	294.8	93.3000	19.70	1.000	102.32
340	175.0	380.0	93.3000	19.70	1.000	108.76
350	121.5	433.5	93.3000	19.70	1.000	113.47

Ave El = 243.91 M HAAT= 311.09 M AMSL= 555 M