

## Fill-in Translator for WVPS 60 dBu Comparison

### W231BQ Proposed

Latitude: 44-15-21.9 N  
 Longitude: 72-35-5.7 W  
 ERP: 0.20 kW  
 Channel: 231  
 Frequency: 94.1 MHz  
 AMSL Height: 263.4 m  
 Elevation: 223.23 m  
 Horiz. Pattern: Omni

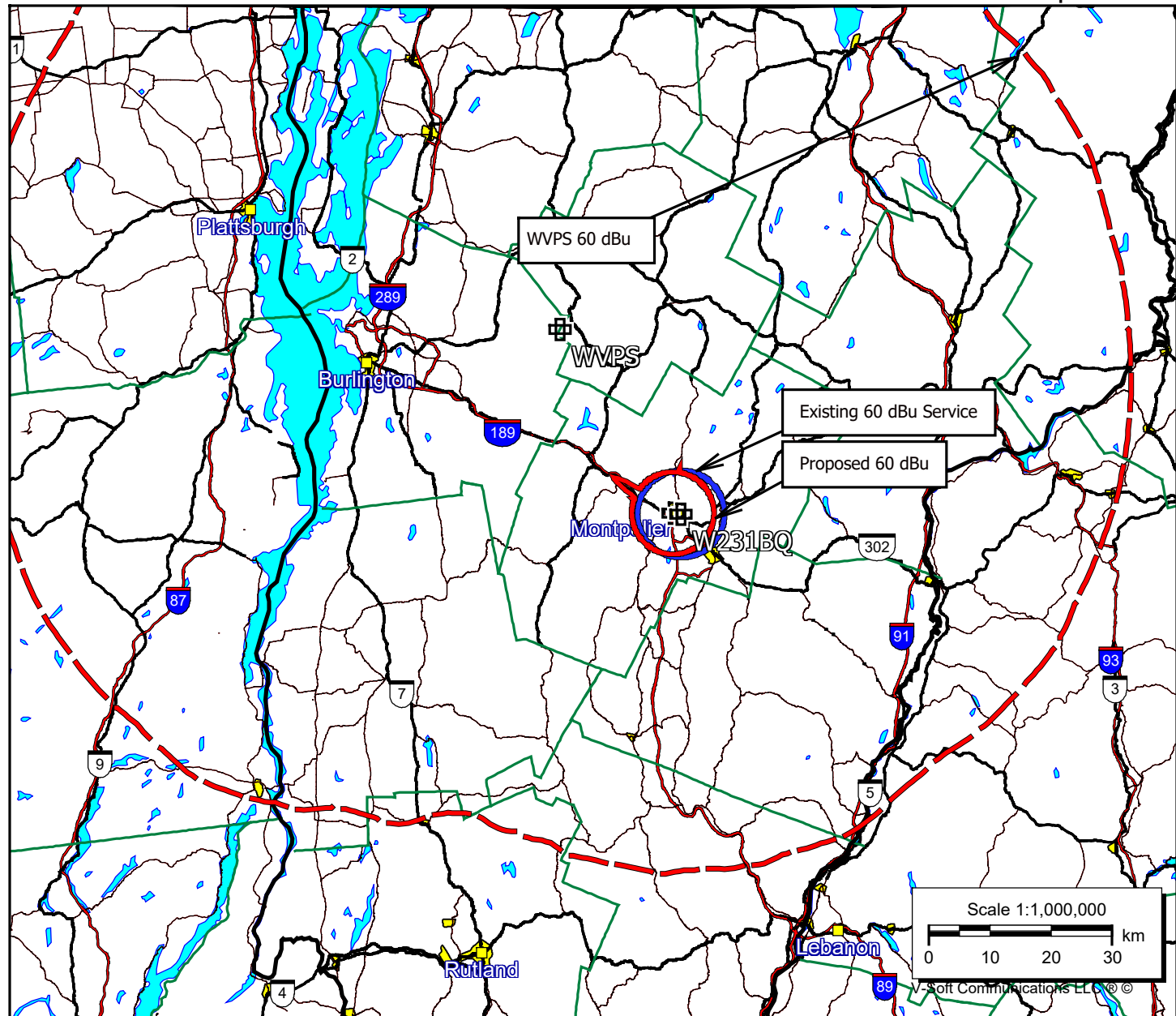
### W231BQ

BLFT20130628AIG  
 Latitude: 44-15-17 N  
 Longitude: 072-34-06 W  
 ERP: 0.25 kW  
 Channel: 231  
 Frequency: 94.1 MHz  
 AMSL Height: 214.0 m  
 Elevation: 201.0 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No

### WVPS

BLED20061018ABW  
 Latitude: 44-31-32 N  
 Longitude: 072-48-58 W  
 ERP: 48.80 kW  
 Channel: 300  
 Frequency: 107.9 MHz  
 AMSL Height: 1257.5 m  
 Elevation: 1224.0 m  
 Horiz. Pattern: Omni  
 Vert. Pattern: No  
 Prop Model: FCC]

**Doug Vernier**  
 1600 Picturesque Dr.  
 Cedar Falls, Iowa 50613  
 Telecommunication Consultants



N. Lat. = 44 15 21.9 W. Lng. = 72 35 05.7  
HAAT and Distance to Contour,  
FCC, FM 2-10 Mi, 51 pts Method - GLOBE 30 SEC

Distance to 60 dBu contour

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	366.7	-103.3	0.2000	-6.99	1.000	6.71
045	350.6	-87.2	0.2000	-6.99	1.000	6.71
090	299.6	-36.2	0.2000	-6.99	1.000	6.71
135	244.3	19.1	0.2000	-6.99	1.000	6.71
180	389.3	-125.9	0.2000	-6.99	1.000	6.71
225	367.7	-104.3	0.2000	-6.99	1.000	6.71
270	319.3	-55.9	0.2000	-6.99	1.000	6.71
315	325.4	-62.0	0.2000	-6.99	1.000	6.71

Ave El= 332.85 M HAAT= -69.45 M AMSL= 263.4

N. Lat. = 44 15 17.0 W. Lng. = 72 34 06.0  
HAAT and Distance to Contour, Existing Facility  
FCC, FM 2-10 Mi, 51 pts Method - GLOBE 30 SEC

W231BQ, Vermont Public Radio, BLFT20130628AIG

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	285.0	-71.0	0.2500	-6.02	1.000	7.09
030	372.8	-158.8	0.2500	-6.02	1.000	7.09
060	319.4	-105.4	0.2500	-6.02	1.000	7.09
090	318.4	-104.4	0.2500	-6.02	1.000	7.09
120	361.1	-147.1	0.2500	-6.02	1.000	7.09
150	309.9	-95.9	0.2500	-6.02	1.000	7.09
180	396.5	-182.5	0.2500	-6.02	1.000	7.09
210	283.4	-69.4	0.2500	-6.02	1.000	7.09
240	412.3	-198.3	0.2500	-6.02	1.000	7.09
270	306.7	-92.6	0.2500	-6.02	1.000	7.09
300	238.9	-24.9	0.2500	-6.02	1.000	7.09
330	466.7	-252.7	0.2500	-6.02	1.000	7.09

Ave El= 339.25 M HAAT= -125.25 M AMSL= 214 M

N. Lat. = 44 31 32.0 W. Lng. = 72 48 58.0  
HAAT and Distance to Contour, Parent Primary  
FCC, FM 2-10 Mi, 51 pts Method - GLOBE 30 SEC

WVPS, Vermont Public Radio, BLED20061018ABW

Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5
000	359.1	898.4	48.8000	16.88	1.000	94.55
030	514.5	743.0	48.8000	16.88	1.000	89.68
060	604.6	652.9	48.8000	16.88	1.000	86.52
090	452.3	805.2	48.8000	16.88	1.000	91.75
120	336.9	920.6	48.8000	16.88	1.000	95.13
150	375.3	882.2	48.8000	16.88	1.000	94.10
180	699.9	557.6	48.8000	16.88	1.000	82.69
210	476.6	780.9	48.8000	16.88	1.000	90.95
240	300.3	957.2	48.8000	16.88	1.000	96.04
270	301.1	956.4	48.8000	16.88	1.000	96.02
300	373.1	884.4	48.8000	16.88	1.000	94.17
330	285.3	972.2	48.8000	16.88	1.000	96.40

Ave El= 423.26 M HAAT= 834.24 M AMSL= 1257.5 M