

# FMOver Analysis RE: WBWL

06-06-2018

Terrain Data: NED 03 SEC

WBWL BLH20150803ABJ

1776926

Channel = 269B1  
Max ERP = 13.5 kW  
RCAMSL = 164 m  
N. Lat. 42 25 51.7  
W. Lng. 71 05 18.8  
Protected  
57 dBu

Channel = 270D  
Max ERP = 0.065 kW  
RCAMSL = 420 m  
N. Lat. 42 58 54.4  
W. Lng. 71 35 21.3  
Interfering  
51 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
266.0	013.5000	0108.8	041.1	179.9	000.0361	0320.9	064.2	33.70	
267.0	013.5000	0107.7	040.9	179.8	000.0361	0320.6	063.4	33.96	
268.0	013.5000	0106.4	040.7	179.6	000.0362	0320.5	062.7	34.23	
269.0	013.5000	0105.5	040.6	179.5	000.0363	0320.2	062.0	34.50	
270.0	013.5000	0106.5	040.7	179.7	000.0362	0320.5	061.3	34.76	
271.0	013.5000	0107.0	040.8	179.7	000.0362	0320.5	060.6	35.02	
272.0	013.5000	0107.8	040.9	179.8	000.0361	0320.7	059.9	35.29	
273.0	013.5000	0108.5	041.0	179.9	000.0360	0321.0	059.2	35.56	
274.0	013.5000	0107.5	040.9	179.7	000.0362	0320.5	058.5	35.83	
275.0	013.5000	0107.5	040.9	179.7	000.0362	0320.5	057.7	36.10	
276.0	013.5000	0107.4	040.9	179.6	000.0363	0320.4	057.0	36.37	
277.0	013.5000	0105.9	040.6	179.3	000.0365	0320.4	056.4	36.66	
278.0	013.5000	0105.9	040.6	179.2	000.0366	0320.6	055.7	36.95	
279.0	013.5000	0106.0	040.6	179.1	000.0366	0321.0	055.0	37.24	
280.0	013.5000	0105.4	040.5	178.8	000.0368	0321.4	054.3	37.53	
281.0	013.5000	0106.0	040.6	178.8	000.0368	0321.4	053.6	37.82	
282.0	013.5000	0106.7	040.7	178.7	000.0368	0321.5	052.8	38.10	
283.0	013.5000	0107.0	040.8	178.6	000.0369	0321.5	052.1	38.38	
284.0	013.5000	0110.0	041.3	178.9	000.0367	0321.4	051.3	38.67	
285.0	013.5000	0112.9	041.7	179.1	000.0366	0320.7	050.5	38.95	
286.0	013.5000	0113.0	041.7	178.9	000.0367	0321.3	049.8	39.26	
287.0	013.5000	0112.7	041.6	178.6	000.0369	0321.5	049.1	39.55	
288.0	013.5000	0113.5	041.8	178.5	000.0370	0321.6	048.4	39.85	
289.0	013.5000	0115.6	042.0	178.5	000.0370	0321.5	047.6	40.15	
290.0	013.5000	0117.0	042.2	178.4	000.0370	0321.7	046.9	40.46	
291.0	013.5000	0117.3	042.3	178.1	000.0372	0322.5	046.2	40.79	
292.0	013.5000	0116.4	042.2	177.6	000.0375	0323.2	045.5	41.11	
293.0	013.5000	0116.1	042.1	177.2	000.0378	0324.1	044.9	41.44	
294.0	013.5000	0117.0	042.2	176.9	000.0380	0324.7	044.2	41.77	
295.0	013.5000	0118.1	042.4	176.6	000.0382	0324.9	043.5	42.11	
296.0	013.5000	0119.8	042.6	176.4	000.0383	0325.4	042.7	42.46	
297.0	013.5000	0119.2	042.5	175.8	000.0388	0327.0	042.1	42.81	
298.0	013.5000	0118.1	042.4	175.1	000.0393	0328.0	041.5	43.14	
299.0	013.5000	0118.2	042.4	174.6	000.0396	0326.7	040.9	43.41	
300.0	013.5000	0121.1	042.8	174.4	000.0397	0326.0	040.1	43.77	
301.0	013.5000	0124.1	043.2	174.2	000.0398	0325.5	039.3	44.14	
302.0	013.5000	0127.1	043.6	174.0	000.0399	0324.9	038.4	44.52	

303.0	013.5000	0128.6	043.8	173.6	000.0403	0322.3	037.7	44.81
304.0	013.5000	0129.2	043.8	172.9	000.0408	0320.7	037.1	45.11
305.0	013.5000	0129.9	043.9	172.2	000.0412	0319.2	036.4	45.41
306.0	013.5000	0128.9	043.8	171.2	000.0419	0315.5	036.0	45.59
307.0	013.5000	0126.4	043.5	170.0	000.0428	0314.0	035.7	45.78
308.0	013.5000	0126.1	043.4	169.0	000.0433	0314.3	035.2	46.07
309.0	013.5000	0126.3	043.5	168.1	000.0438	0313.4	034.7	46.34
310.0	013.5000	0123.7	043.1	166.8	000.0445	0318.9	034.5	46.66
311.0	013.5000	0121.4	042.8	165.5	000.0452	0323.0	034.3	46.94
312.0	013.5000	0121.5	042.8	164.5	000.0457	0325.6	033.9	47.27
313.0	013.5000	0119.8	042.6	163.2	000.0463	0329.2	033.6	47.53
314.0	013.5000	0121.6	042.9	162.3	000.0468	0330.4	033.1	47.89
315.0	013.5000	0122.9	043.0	161.2	000.0474	0332.7	032.6	48.25
316.0	013.5000	0124.6	043.2	160.2	000.0480	0334.8	032.1	48.62
317.0	013.5000	0125.0	043.3	159.0	000.0484	0335.2	031.7	48.85
318.0	013.5000	0125.0	043.3	157.7	000.0488	0335.4	031.5	49.03
319.0	013.5000	0124.8	043.3	156.4	000.0493	0335.8	031.2	49.19
320.0	013.5000	0122.7	043.0	154.9	000.0498	0333.8	031.3	49.16
321.0	013.5000	0123.7	043.1	153.6	000.0501	0331.2	031.0	49.27
322.0	013.5000	0123.1	043.0	152.3	000.0506	0329.8	030.9	49.32
323.0	013.5000	0123.0	043.0	150.9	000.0511	0329.1	030.8	49.40
324.0	013.5000	0125.3	043.3	149.5	000.0516	0329.8	030.4	49.67
325.0	013.5000	0127.0	043.6	148.1	000.0523	0330.3	030.1	49.90
326.0	013.5000	0129.6	043.9	146.7	000.0530	0329.8	029.8	50.16
327.0	013.5000	0132.0	044.2	145.2	000.0537	0326.3	029.4	50.30
328.0	013.5000	0133.0	044.4	143.7	000.0546	0325.4	029.3	50.41
329.0	013.5000	0134.1	044.5	142.2	000.0553	0328.8	029.3	50.60
330.0	013.5000	0135.7	044.7	140.6	000.0562	0331.1	029.2	50.80
331.0	013.5000	0135.8	044.7	139.1	000.0569	0329.7	029.3	50.73
332.0	013.5000	0136.2	044.8	137.6	000.0576	0332.4	029.4	50.79
333.0	013.5000	0136.7	044.9	136.1	000.0584	0331.4	029.6	50.73
334.0	013.5000	0136.7	044.9	134.6	000.0590	0331.4	029.8	50.63
335.0	013.5000	0136.0	044.8	133.3	000.0596	0333.0	030.2	50.52
336.0	013.5000	0134.8	044.6	132.0	000.0603	0335.9	030.6	50.40
337.0	013.5000	0133.7	044.5	130.8	000.0609	0337.9	031.1	50.25
338.0	013.5000	0133.6	044.4	129.6	000.0614	0338.5	031.4	50.11
339.0	013.5000	0132.7	044.3	128.5	000.0617	0337.9	031.9	49.87
340.0	013.5000	0130.6	044.0	127.6	000.0620	0338.0	032.6	49.58
341.0	013.5000	0128.4	043.7	126.7	000.0622	0337.5	033.2	49.26
342.0	013.5000	0127.9	043.7	125.7	000.0625	0337.5	033.7	49.04
343.0	013.5000	0127.1	043.6	124.8	000.0629	0337.5	034.3	48.80
344.0	013.5000	0127.2	043.6	123.8	000.0631	0336.1	034.7	48.55
345.0	013.5000	0126.8	043.5	122.9	000.0633	0333.8	035.3	48.24
346.0	013.5000	0126.6	043.5	122.0	000.0636	0333.3	035.8	47.99
347.0	013.5000	0127.1	043.6	121.1	000.0639	0333.6	036.3	47.79
348.0	013.5000	0126.8	043.5	120.3	000.0641	0333.7	036.9	47.54
349.0	013.5000	0126.3	043.5	119.6	000.0643	0332.7	037.5	47.23
350.0	013.5000	0125.6	043.4	119.0	000.0644	0332.5	038.1	46.94
351.0	013.5000	0125.8	043.4	118.2	000.0644	0332.3	038.7	46.67
352.0	013.5000	0126.1	043.4	117.5	000.0644	0332.2	039.3	46.41
353.0	013.5000	0126.2	043.5	116.9	000.0645	0332.7	039.9	46.15
354.0	013.5000	0126.4	043.5	116.3	000.0645	0332.3	040.5	45.86
355.0	013.5000	0127.3	043.6	115.5	000.0645	0331.5	041.1	45.58
356.0	013.5000	0127.3	043.6	115.0	000.0646	0330.9	041.8	45.28
357.0	013.5000	0126.8	043.5	114.6	000.0647	0330.5	042.5	44.97
358.0	013.5000	0125.5	043.4	114.3	000.0647	0330.2	043.3	44.64
359.0	013.5000	0124.7	043.3	114.0	000.0647	0329.9	044.0	44.33
000.0	013.5000	0125.3	043.3	113.5	000.0647	0329.7	044.6	44.05
001.0	013.5000	0126.2	043.5	113.0	000.0647	0330.0	045.3	43.79
002.0	013.5000	0127.2	043.6	112.5	000.0648	0330.2	045.9	43.53

003.0	013.5000	0128.1	043.7	112.0	000.0649	0329.9	046.6	43.25
004.0	013.5000	0129.3	043.9	111.5	000.0649	0330.2	047.3	43.00
005.0	013.5000	0128.9	043.8	111.3	000.0649	0330.4	048.0	42.71
006.0	013.5000	0127.9	043.7	111.2	000.0649	0330.6	048.8	42.41
007.0	013.5000	0126.4	043.5	111.2	000.0649	0330.6	049.6	42.11
008.0	013.5000	0126.1	043.4	111.1	000.0649	0331.1	050.4	41.83
009.0	013.5000	0126.8	043.5	110.8	000.0649	0332.3	051.1	41.59
010.0	013.5000	0129.0	043.8	110.3	000.0650	0334.6	051.8	41.40
011.0	013.5000	0131.8	044.2	109.7	000.0650	0335.9	052.5	41.18
012.0	013.5000	0134.3	044.5	109.3	000.0650	0336.6	053.2	40.92
013.0	013.5000	0134.4	044.6	109.1	000.0650	0336.8	054.0	40.63
014.0	013.5000	0132.6	044.3	109.3	000.0650	0336.6	054.8	40.32
015.0	013.5000	0131.9	044.2	109.3	000.0650	0336.5	055.5	40.02
016.0	013.5000	0132.1	044.2	109.2	000.0650	0336.6	056.3	39.73
017.0	013.5000	0130.3	044.0	109.5	000.0650	0336.3	057.1	39.42
018.0	013.5000	0129.2	043.8	109.6	000.0650	0336.2	057.9	39.13
019.0	013.5000	0129.8	043.9	109.5	000.0650	0336.3	058.6	38.84
020.0	013.5000	0132.3	044.3	109.1	000.0650	0336.8	059.4	38.57
021.0	013.5000	0132.8	044.3	109.1	000.0650	0336.8	060.2	38.28
022.0	013.5000	0132.5	044.3	109.1	000.0650	0336.8	060.9	37.99
023.0	013.5000	0132.8	044.3	109.2	000.0650	0336.7	061.7	37.70
024.0	013.5000	0132.3	044.3	109.3	000.0650	0336.6	062.5	37.42
025.0	013.5000	0133.3	044.4	109.2	000.0650	0336.7	063.3	37.13
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At no location on the protected WBWL 57 dBu contour does this proposal deliver greater than 51 dBu interfering.

**Bromo Communications, Inc.**