

KHANNA & GULL, Inc. – CONSULTING ENGINEERS
Radio – Television

DAYTIME CONTOUR INFORMATION

WLIE, ISLIP, NEW YORK

540 kHz – 4.3 (Day) kW – DA-D

*Exhibit 15 - Form 301, Section III-A AM Engineering
Technical Specifications*

INDEX OF STATIONS
SHOWN IN THE ALLOCATION SITUATION
FOR THE PROPOSED 4.3 kW DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004

<u>Call</u>	<u>Frequency</u>	<u>Location</u>
WLIE	540 KHz	Islip, NY
WGDP(Lic.)	540 KHz	Pocomoke City, MD
WGDP(CP)	540 KHz	Brinklow, MD
WWCS(Lic.)	540 KHz	Canonsburg, PA
WWCS(App)	540 KHz	Canonsburg, PA
WXNH(CP)	540 KHz	Jaffrey, NH
CJSB	540 KHz	Ottawa, ON
WDDZ	550 KHz	Pawtucket, RI

Conductivity Basis for Contours

WLIE – FCC Figure M-3 and field strength measurement data; WLIE antenna proof-of performances dated December 2002, February 2004 and application (File no. BMP-20011121AAI); and field strength measurement data attached in appendix A of this engineering report.

WGDP – FCC Figure M-3 and field strength measurement data attached in appendix A of this engineering report.

WGDP(CP) - FCC Figure M-3.

WWCS - FCC Figure M-3.

WWCS(App) - FCC Figure M-3.

WXNH(CP 0.25 kW) – FCC Figure M-3.

CJSB - FCC Figure M-3 and Canadian.

WDDZ - FCC Figure M-3 and field strength measurement data attached in appendix A of this engineering report.

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT LICENSED DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 1 of 5)

Call: WLIE

ISLIP

, NY

Coordinates: N 40 45 6 W 73 12 50

Frequency: 540 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	753.84	.5M	1.3	1.0M	2.2	1.5M	9.1	1.0M	16.6
		3.0M	65.5	1.5M	96.7	1.0M	149.2	.75M	224.8
		4.0E	249.9	2.0E	456.0	4.0E	495.2	10.0E	581.5
		4.0E	621.4	2.0E	754.5	2.0E	1180.4		
5.0	751.40	.5M	1.3	1.0M	2.2	1.5M	9.1	1.0M	16.6
		3.0M	65.5	1.5M	96.7	1.0M	149.2	.75M	224.8
		1.0E	233.2	4.0E	244.8	2.0E	474.6	4.0E	540.6
		6.0E	622.5	4.0E	674.1	2.0E	792.1	2.0E	1180.4
10.0	747.83	.5M	1.3	1.0M	2.2	1.5M	9.1	1.0M	16.6
		3.0M	65.5	1.5M	96.7	1.0M	149.2	.75M	224.8
		1.0E	358.4	.5E	481.2	4.0E	580.0	6.0E	668.7
		4.0E	734.6	2.0E	862.5	2.0E	1180.4		
15.0	742.86	.5M	1.3	1.0M	2.2	1.5M	9.1	1.0M	16.6
		3.0M	65.5	1.5M	96.7	1.0M	149.2	.75M	224.8
		1.0E	382.4	.5E	492.1	4.0E	713.1	5000.0E	740.3
		4.0E	832.9	2.0E	962.4	2.0E	1180.4		
20.0	736.15	1.0M	2.6	2.0M	9.2	1.0M	24.6	4.0M	89.2
		2.0M	120.8	1.5M	178.0	.75M	233.4	1.0E	438.5
		.5E	535.0	4.0E	544.8	1.0E	553.9	4.0E	566.4
		1.0E	567.7	4.0E	839.8	2.0E	887.7	5000.0E	971.6
25.0	727.38	2.0E	1069.6	2.0E	1180.4				
		1.0M	2.6	2.0M	9.2	1.0M	24.6	4.0M	89.2
		2.0M	120.8	1.5M	178.0	.75M	233.4	1.0E	369.6
		2.0E	439.9	1.0E	806.7	2.0E	1020.4	5000.0E	1180.4
30.0	716.19	1.0M	2.6	2.0M	9.2	1.0M	24.6	4.0M	89.2
		2.0M	120.8	1.5M	178.0	.75M	233.4	1.0E	338.2
		2.0E	525.1	1.0E	823.7	2.0E	954.9	5000.0E	954.9
		2.0E	1123.8	5000.0E	1180.4				
35.0	702.27	2.0M	91.7	1.5M	104.3	1.0M	134.0	2.0E	233.6
		1.0E	309.3	2.0E	628.8	1.0E	730.2	2.0E	979.1
		5000.0E	1016.8	2.0E	1180.4				
		1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
40.0	685.34	1.5M	150.1	1.0M	168.0	2.0E	300.1	5000.0E	459.3
		2.0E	465.1	5000.0E	479.4	2.0E	514.8	5000.0E	541.3
		2.0E	609.5	1.0E	697.4	2.0E	956.6	5000.0E	1180.4
		1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
45.0	665.18	1.5M	150.1	1.0M	168.0	2.0E	251.9	5000.0E	254.8
		2.0E	259.1	5000.0E	595.1	2.0E	595.3	5000.0E	612.1
		2.0E	630.0	5000.0E	634.0	1.0E	671.4	5000.0E	676.2
		1.0E	677.3	5000.0E	681.5	1.0E	682.9	5000.0E	708.2

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT LICENSED DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 2 of 5)

Radiation Ground Conductivity Data:

Azimuth	(mV/m at one km)	Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
50.0	641.65	1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
		1.5M	150.1	1.0M	168.0	2.0E	261.8	5000.0E	1180.4
55.0	614.72	1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
		1.5M	150.1	1.0M	168.0	2.0E	181.1	5000.0E	183.6
		2.0E	186.6	5000.0E	191.9	2.0E	259.1	5000.0E	683.1
		2.0E	1180.4						
60.0	584.45	1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
		1.5M	150.1	1.0M	168.0	5000.0E	192.6	2.0E	255.4
		5000.0E	294.9	2.0E	297.6	5000.0E	692.8	2.0E	731.1
		5000.0E	733.1	2.0E	1200.0				
65.0	551.01	1.5M	2.6	1.0M	8.3	1.5M	15.1	.5E	69.4
		5000.0E	235.2	2.0E	266.6	5000.0E	292.0	2.0E	297.7
		5000.0E	1180.4						
70.0	514.68	.5E	53.7	5000.0E	73.4	.5E	85.2	5000.0E	86.0
		.5E	95.4	5000.0E	1180.4				
75.0	475.89	.5E	60.8	5000.0E	62.0	.5E	99.7	5000.0E	1180.4
80.0	435.12	.5E	60.4	5000.0E	1180.4				
85.0	392.98	.5E	37.0	5000.0E	1180.4				
90.0	350.15	.5E	24.4	5000.0E	1180.4				
95.0	307.41	.5E	18.5	5000.0E	1180.4				
100.0	265.58	.5M	1.5	1.0M	3.0	1.5M	7.5	.5E	14.9
		5000.0E	1180.4						
105.0	225.63	.5M	1.5	1.0M	3.0	1.5M	7.5	.5E	12.6
		5000.0E	1180.4						
110.0	188.66	.5M	1.5	1.0M	3.0	1.5M	7.5	.5E	10.6
		5000.0E	1180.4						
115.0	156.04	.5M	1.5	1.0M	3.0	1.5M	7.5	.5E	9.0
		5000.0E	1180.4						
120.0	129.49	.5E	7.8	5000.0E	1180.4				
125.0	110.97	.5E	7.0	5000.0E	1180.4				
130.0	101.87	.5E	6.3	5000.0E	1180.4				
135.0	101.57	.5E	5.9	5000.0E	1180.4				
140.0	107.23	.5E	5.5	5000.0E	1180.4				
145.0	115.50	.5E	5.2	5000.0E	1180.4				
150.0	123.82	.5E	5.0	5000.0E	1180.4				
155.0	130.62	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1180.4						
160.0	134.99	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1180.4						
165.0	136.49	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1180.4						
170.0	134.99	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1180.4						

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT LICENSED DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 3 of 5)

Radiation Ground Conductivity Data:

Azimuth	(mV/m at one km)	Region conductivity in mS/m followed by distance in km to the end of region. E – map data; M – measurement data.							
175.0	130.62	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1180.4						
180.0	123.82	.5E	4.5	5000.0E	1180.4				
185.0	115.50	.5E	4.6	5000.0E	1180.4				
190.0	107.23	.5E	4.7	5000.0E	1180.4				
195.0	101.57	.5E	4.8	5000.0E	1180.4				
200.0	101.87	.5E	5.1	5000.0E	1180.4				
205.0	110.97	.5E	5.5	5000.0E	557.3	4.0E	562.2	5000.0E	604.6
		4.0E	614.7	5000.0E	616.9	4.0E	657.8	5000.0E	694.0
		4.0E	724.4	5000.0E	1180.4				
210.0	129.49	.5E	6.0	5000.0E	492.8	4.0E	580.3	5000.0E	580.9
		4.0E	601.9	5000.0E	612.0	4.0E	670.6	5000.0E	674.6
		4.0E	765.6	5000.0E	768.1	4.0E	805.2	5000.0E	1180.4
215.0	156.04	1.5M	2.6	2.0M	6.9	7.0M	17.8	15.0M	130.9
		4.0M	198.2	3.0M	212.4	5000.0E	222.8	4.0E	224.6
		5000.0E	235.2	4.0E	240.3	5000.0E	279.4	4.0E	280.4
		2.0E	374.6	5000.0E	380.0	2.0E	381.8	5000.0E	483.0
		4.0E	502.2	5000.0E	509.5	4.0E	550.1	2.0E	720.0
		4.0E	974.8	5000.0E	984.0	4.0E	1023.5	5000.0E	1180.4
220.0	188.66	1.5M	2.6	2.0M	6.9	7.0M	17.8	15.0M	130.9
		4.0M	198.2	3.0M	212.4	4.0E	227.7	5000.0E	270.5
		4.0E	307.3	2.0E	360.0	5000.0E	366.2	2.0E	371.9
		5000.0E	416.2	4.0E	417.8	5000.0E	421.5	4.0E	443.0
		5000.0E	449.2	2.0E	476.3	5000.0E	479.3	2.0E	501.6
		5000.0E	506.4	2.0E	726.7	4.0E	768.0	2.0E	908.5
		4.0E	1180.4						
225.0	225.83	1.5M	2.6	2.0M	6.9	7.0M	17.8	15.0M	130.9
		4.0M	198.2	3.0M	212.4	4.0E	237.8	5000.0E	263.5
		4.0E	333.8	2.0E	368.5	5000.0E	391.1	4.0E	400.1
		5000.0E	402.7	4.0E	403.7	5000.0E	413.2	4.0E	441.6
		5000.0E	444.1	2.0E	699.0	4.0E	811.8	2.0E	1180.4
230.0	265.58	1.5M	2.6	2.0M	6.9	7.0M	17.8	15.0M	130.9
		4.0M	198.2	3.0M	212.4	4.0E	240.0	5000.0E	248.6
		4.0E	329.7	5000.0E	335.6	4.0E	339.0	5000.0E	374.0
		4.0E	387.4	5000.0E	391.0	4.0E	411.4	5000.0E	415.4
		4.0E	416.2	5000.0E	426.8	4.0E	443.7	2.0E	662.4
		4.0E	894.4	2.0E	937.2	4.0E	1180.4		
235.0	307.41	4.0M	253.1	3.0M	368.2	4.0E	429.4	4.0E	429.4
		5000.0E	433.0	4.0E	436.1	2.0E	1202.0		
240.0	350.15	4.0M	253.1	3.0M	368.2	4.0E	370.0	2.0E	1184.5
		2.0E	1200.0						

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT LICENSED DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 4 of 5)

Radiation Ground Conductivity Data:

Azimuth	(mV/m at one km)	Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
245.0	392.98	4.0M	253.1	3.0M	368.2	2.0E	891.0	4.0E	984.8
		2.0E	1200.0						
250.0	435.12	4.0M	253.1	3.0M	368.2	2.0E	1107.6	4.0E	1200.0
255.0	475.89	.5E	49.4	5000.0E	58.4	.5E	68.9	5000.0E	78.1
		4.0E	348.5	2.0E	443.5	4.0E	636.1	2.0E	947.2
		8.0E	1019.6	4.0E	1180.4				
260.0	514.68	.5E	68.9	5000.0E	72.7	4.0E	315.6	2.0E	403.1
		4.0E	590.1	2.0E	907.7	8.0E	1109.3	4.0E	1175.1
		8.0E	1180.4						
265.0	551.01	1.0M	2.8	2.0M	17.5	.5E	62.0	4.0E	65.1
		5000.0E	72.1	4.0E	277.4	2.0E	382.5	4.0E	455.9
		2.0E	477.6	4.0E	741.3	8.0E	1180.4		
270.0	584.45	1.0M	2.8	2.0M	17.5	.5E	45.0	4.0E	61.3
		5000.0E	64.0	4.0E	66.2	5000.0E	66.3	4.0E	203.8
		2.0E	379.0	4.0E	426.3	2.0E	510.4	4.0E	648.3
		8.0E	830.0	15.0E	974.0	8.0E	1180.4		
275.0	614.72	1.0M	2.8	2.0M	17.5	.5E	38.7	4.0E	46.0
		5000.0E	49.5	4.0E	53.7	5000.0E	60.5	4.0E	95.0
		2.0E	136.8	4.0E	181.1	2.0E	552.3	4.0E	582.2
		8.0E	811.3	15.0E	877.9	8.0E	989.1	15.0E	1022.9
		8.0E	1180.4						
280.0	641.65	1.5M	81.0	4.0E	93.6	2.0E	215.5	4.0E	259.5
		2.0E	561.9	8.0E	840.9	15.0E	855.1	8.0E	1008.7
		4.0E	1015.4	8.0E	1031.5	2.0E	1138.2	8.0E	1180.4
285.0	665.18	1.5M	81.0	4.0E	94.1	2.0E	187.3	4.0E	622.8
		8.0E	699.0	10.0E	766.1	20.0E	838.0	8.0E	936.2
		4.0E	953.9	8.0E	990.2	2.0E	1098.5	8.0E	1180.4
290.0	685.34	1.5M	81.0	4.0E	94.9	2.0E	168.7	4.0E	538.7
		8.0E	598.3	10.0E	705.5	20.0E	801.7	15.0E	862.4
		8.0E	1075.6	2.0E	1132.6	8.0E	1180.4		
295.0	702.27	1.0M	2.2	1.5M	5.8	3.0M	10.6	1.0M	23.6
		1.5M	59.0	1.0M	78.5	4.0E	96.3	2.0E	156.0
		4.0E	512.5	8.0E	549.6	10.0E	595.6	20.0E	630.6
		4.0E	697.8	6.0E	759.7	10.0E	797.0	8.0E	829.9
		15.0E	904.4	8.0E	1058.7	2.0E	1139.0	8.0E	1180.4
300.0	716.19	1.0M	3.0	1.5M	10.4	.5M	14.7	1.0M	23.6
		1.5M	59.0	1.0M	78.5	4.0E	98.4	2.0E	146.0
		4.0E	487.0	8.0E	544.0	20.0E	580.2	15.0E	612.6
		20.0E	626.2	4.0E	682.5	6.0E	785.2	10.0E	828.0
		8.0E	1180.4						

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT LICENSED DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 5 of 5)

Radiation		Ground Conductivity Data:							
Azimuth	(mV/m at one km)	Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
305.0	727.38	1.0M	2.2	1.5M	5.8	3.0M	10.6	1.0M	23.6
		1.5M	59.0	1.0M	78.5	4.0E	111.1	2.0E	135.9
		4.0E	434.9	8.0E	562.5	15.0E	595.1	6.0E	640.2
		4.0E	784.8	10.0E	875.4	8.0E	1180.4		
310.0	736.15	1.0M	2.2	1.5M	5.8	3.0M	10.6	1.0M	23.6
		1.5M	59.0	1.0M	78.5	4.0E	448.4	8.0E	508.9
		15.0E	564.8	6.0E	654.3	4.0E	700.6	10.0E	875.7
		4.0E	884.0	10.0E	885.2	4.0E	938.6	10.0E	941.7
		4.0E	942.9	10.0E	966.7	4.0E	969.7	10.0E	1021.4
		2.0E	1117.5	8.0E	1121.2	2.0E	1127.2	8.0E	1180.4
		2.0M	51.3	1.0M	80.4	4.0E	410.5	8.0E	457.5
315.0	742.86	15.0E	523.8	6.0E	646.1	1.0E	755.6	10.0E	761.2
		1.0E	768.5	2.0E	788.3	10.0E	790.5	2.0E	807.6
		10.0E	808.0	2.0E	810.6	10.0E	855.8	2.0E	1180.4
		2.0M	51.3	1.0M	80.4	4.0E	405.8	8.0E	437.7
320.0	747.83	15.0E	467.0	4.0E	471.1	15.0E	474.3	4.0E	484.8
		15.0E	485.7	4.0E	585.0	1.0E	746.8	2.0E	1180.4
		2.0M	51.3	1.0M	80.4	1.0E	82.3	4.0E	428.3
325.0	751.40	8.0E	452.0	15.0E	476.7	10.0E	494.5	4.0E	559.7
		1.0E	738.9	2.0E	1180.4				
		2.0M	51.3	1.0M	80.4	1.0E	87.4	4.0E	460.4
330.0	753.84	15.0E	463.6	10.0E	493.4	4.0E	558.9	1.0E	616.2
		4.0E	651.1	1.0E	710.5	2.0E	1018.1	6.0E	1180.4
		2.0M	51.3	1.0M	80.4	1.0E	92.4	4.0E	468.7
335.0	755.41	10.0E	506.2	4.0E	652.4	2.0E	967.8	6.0E	1085.0
		2.0E	1180.4						
		1.0M	15.3	.5E	19.8	4.0E	20.1	5000.0E	41.6
340.0	756.27	1.0E	98.2	4.0E	261.4	2.0E	287.9	4.0E	484.2
		10.0E	559.0	4.0E	595.5	2.0E	924.7	6.0E	997.6
		2.0E	1057.5	2.0E	1180.4				
		1.0M	15.3	.5E	18.2	5000.0E	41.8	1.0E	104.5
345.0	756.55	4.0E	255.6	2.0E	304.1	4.0E	490.0	10.0E	559.4
		4.0E	584.7	2.0E	800.6	2.0E	1180.4		
		1.0M	15.3	.5E	16.6	5000.0E	42.0	1.0E	112.7
350.0	756.27	4.0E	255.0	2.0E	333.6	4.0E	480.1	10.0E	545.0
		4.0E	565.7	2.0E	757.9	2.0E	1180.4		
		1.0M	15.3	.5E	15.4	5000.0E	42.8	1.0E	128.9
355.0	755.41	4.0E	253.0	2.0E	386.2	4.0E	474.1	10.0E	531.4
		4.0E	569.5	2.0E	744.4	2.0E	1180.4		

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT LICENSED DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 1 of 2)

ISLIP, NY

Call: WLIE (PRESENT LICENSED)

Coordinates: N 40 45 6 W 73 12 50

Frequency: 540 kHz Number of contours: 5

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :				
		Contour levels in mV/m.				
		.025	.250	.500	5.000	1000.000
.0	753.84	225.10	102.79	87.32	45.13	.56
5.0	751.40	223.50	102.74	87.22	45.05	.56
10.0	747.83	221.80	102.67	87.06	44.94	.56
15.0	742.86	221.20	102.58	86.85	44.79	.56
20.0	736.15	220.50	125.33	104.65	24.80	.63
25.0	727.38	219.50	125.23	104.35	24.53	.62
30.0	716.19	218.10	125.09	103.97	24.35	.61
35.0	702.27	252.94	108.45	94.60	35.01	.65
40.0	685.34	246.13	115.34	95.94	29.56	.59
45.0	665.18	243.34	114.81	94.74	29.13	.57
50.0	641.65	239.93	114.31	93.32	28.62	.55
55.0	614.72	241.01	113.87	91.66	28.02	.53
60.0	584.45	342.43	88.18	49.21	16.28	.45
65.0	551.01	531.67	89.19	53.86	21.79	.50
70.0	514.68	537.37	81.37	46.36	15.26	.40
75.0	475.89	399.55	62.80	44.69	14.67	.38
80.0	435.12	582.03	59.25	42.85	14.01	.35
85.0	392.98	751.46	223.10	78.56	13.29	.32
90.0	350.15	861.15	335.91	193.23	12.52	.29
95.0	307.41	898.89	376.70	236.30	11.69	.25
100.0	265.58	928.12	409.93	272.61	13.48	.22
105.0	225.63	907.68	393.95	260.62	12.57	.19
110.0	188.66	877.74	370.34	241.91	17.71	.16
115.0	156.04	841.44	341.18	218.76	19.47	.14
120.0	129.49	788.53	296.05	180.16	7.24	.11
125.0	110.97	756.86	272.29	162.57	6.62	.11
130.0	101.87	740.53	260.22	154.02	6.29	.10
135.0	101.57	741.91	261.73	155.67	8.02	.10
140.0	107.23	755.51	272.64	164.32	10.60	.11
145.0	115.50	773.51	287.01	175.55	13.30	.12
150.0	123.82	790.50	300.33	186.23	15.72	.11
155.0	130.62	809.89	316.92	200.74	23.77	.12
160.0	134.99	817.31	322.95	205.67	24.62	.12
165.0	136.49	819.81	325.00	207.31	24.91	.12
170.0	134.99	817.31	322.95	205.67	24.62	.12

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT LICENSED DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 2 of 2)

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :				
		Contour levels in mV/m.				
		.025	.250	.500	5.000	1000.000
175.0	130.62	809.89	316.92	200.74	23.77	.12
180.0	123.82	791.94	301.77	187.67	17.15	.11
185.0	115.50	775.58	289.08	177.62	15.37	.12
190.0	107.23	758.37	275.51	167.19	13.47	.11
195.0	101.57	745.82	265.65	159.59	11.94	.10
200.0	101.87	745.52	265.21	159.01	11.04	.10
205.0	110.97	651.75	278.70	168.97	11.33	.11
210.0	129.49	584.22	304.63	188.74	12.84	.11
215.0	156.04	215.07	145.12	134.22	26.61	.15
220.0	188.66	232.95	146.76	138.79	31.31	.18
225.0	225.63	258.43	148.71	141.76	36.36	.21
230.0	265.58	265.91	151.19	143.65	41.53	.25
235.0	307.41	270.16	134.10	101.14	31.19	.30
240.0	350.15	299.52	141.10	106.81	33.82	.34
245.0	392.98	294.13	147.56	112.02	36.27	.38
250.0	435.12	304.44	153.46	116.79	38.53	.43
255.0	475.89	267.60	76.22	44.69	14.67	.38
260.0	514.68	254.70	64.04	46.36	15.26	.40
265.0	551.01	288.10	93.56	56.17	24.10	.48
270.0	584.45	298.56	116.68	76.52	24.57	.51
275.0	614.72	300.86	125.53	95.00	24.99	.53
280.0	641.65	289.12	114.74	80.49	28.62	.58
285.0	665.18	302.81	116.70	82.15	29.13	.60
290.0	685.34	310.37	118.46	83.78	29.56	.62
295.0	702.27	294.88	102.66	69.61	25.86	.60
300.0	716.19	299.87	104.19	70.15	27.35	.61
305.0	727.38	307.56	106.95	70.59	28.45	.62
310.0	736.15	315.51	107.78	70.93	29.20	.63
315.0	742.86	315.13	107.04	71.37	35.99	.69
320.0	747.83	315.83	107.50	71.56	36.11	.69
325.0	751.40	314.97	106.47	71.70	36.19	.70
330.0	753.84	311.76	103.15	71.80	36.25	.70
335.0	755.41	308.64	99.95	71.86	36.28	.70
340.0	756.27	330.27	125.72	89.07	42.60	.64
345.0	756.55	326.13	124.86	91.19	44.70	.64
350.0	756.27	321.26	122.36	93.00	46.53	.64
355.0	755.41	314.92	120.52	94.95	48.50	.64

Engineering Exhibit of WLIE, Islip, New York

**TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PROPOSED 4.3 kW DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
(Page 1 of 5)**

Call: WLIE (Proposed)

ISLIP

, NY

Coordinates: N 40 45 8 W 73 12 50

Frequency: 540 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	708.24	.5M	1.3	1.0M	2.2	1.5M	9.1	1.0M	16.6
		3.0M	65.5	1.5M	96.7	1.0M	149.2	.75M	224.8
		4.0E	249.9	2.0E	456.0	4.0E	495.2	10.0E	581.5
		4.0E	621.4	2.0E	754.5	2.0E	1200.0		
5.0	718.85	.5M	1.3	1.0M	2.2	1.5M	9.1	1.0M	16.6
		3.0M	65.5	1.5M	96.7	1.0M	149.2	.75M	224.8
		1.0E	233.2	4.0E	244.8	2.0E	474.6	4.0E	540.6
		6.0E	622.5	4.0E	674.1	2.0E	792.1	2.0E	1200.0
10.0	734.21	.5M	1.3	1.0M	2.2	1.5M	9.1	1.0M	16.6
		3.0M	65.5	1.5M	96.7	1.0M	149.2	.75M	224.8
		1.0E	358.4	.5E	481.2	4.0E	580.0	6.0E	668.7
		4.0E	734.6	2.0E	862.5	2.0E	1200.0		
15.0	753.65	.5M	1.3	1.0M	2.2	1.5M	9.1	1.0M	16.6
		3.0M	65.5	1.5M	96.7	1.0M	149.2	.75M	224.8
		1.0E	382.4	.5E	492.1	4.0E	713.1	5000.0E	740.3
		4.0E	832.9	2.0E	962.4	2.0E	1200.0		
20.0	776.30	1.0M	2.6	2.0M	9.2	1.0M	24.6	4.0M	89.2
		2.0M	120.8	1.5M	178.0	.75M	233.4	1.0E	438.5
		.5E	535.0	4.0E	544.8	1.0E	553.9	4.0E	566.4
		1.0E	567.7	4.0E	839.8	2.0E	887.7	5000.0E	971.6
25.0	801.05	2.0E	1069.6	2.0E	1200.0				
		1.0M	2.6	2.0M	9.2	1.0M	24.6	4.0M	89.2
		2.0M	120.8	1.5M	178.0	.75M	233.4	1.0E	369.6
		2.0E	439.9	1.0E	806.7	2.0E	1020.4	5000.0E	1200.0
30.0	826.63	1.0M	2.6	2.0M	9.2	1.0M	24.6	4.0M	89.2
		2.0M	120.8	1.5M	178.0	.75M	233.4	1.0E	338.2
		2.0E	525.1	1.0E	823.7	2.0E	954.9	5000.0E	954.9
		2.0E	1123.8	5000.0E	1200.0				
35.0	851.59	2.0M	91.7	1.5M	104.3	1.0M	134.0	2.0E	233.6
		1.0E	309.3	2.0E	628.8	1.0E	730.2	2.0E	979.1
		5000.0E	1016.8	2.0E	1200.0				
		1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
40.0	874.36	1.5M	150.1	1.0M	168.0	2.0E	300.1	5000.0E	459.3
		2.0E	465.1	5000.0E	479.4	2.0E	514.8	5000.0E	541.3
		2.0E	609.5	1.0E	697.4	2.0E	956.6	5000.0E	1200.0
		1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
45.0	893.36	1.5M	150.1	1.0M	168.0	2.0E	251.9	5000.0E	254.8
		2.0E	259.1	5000.0E	595.1	2.0E	595.3	5000.0E	612.1
		2.0E	630.0	5000.0E	634.0	1.0E	671.4	5000.0E	676.2
		1.0E	677.3	5000.0E	681.5	1.0E	682.9	5000.0E	708.2

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PROPOSED 4.3 kW DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 2 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
50.0	906.97	1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
		1.5M	150.1	1.0M	168.0	2.0E	261.8	5000.0E	1200.0
55.0	913.72	1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
		1.5M	150.1	1.0M	168.0	2.0E	181.1	5000.0E	183.6
		2.0E	186.6	5000.0E	191.9	2.0E	259.1	5000.0E	683.1
		2.0E	1200.0						
60.0	912.31	1.0M	1.1	3.0M	7.9	1.5M	30.0	2.0M	109.2
		1.5M	150.1	1.0M	168.0	5000.0E	192.6	2.0E	255.4
		5000.0E	294.9	2.0E	297.6	5000.0E	692.8	2.0E	731.1
		5000.0E	733.1	2.0E	1200.0				
65.0	901.71	1.5M	2.6	1.0M	8.3	1.5M	15.1	.5E	69.4
		5000.0E	235.2	2.0E	266.6	5000.0E	292.0	2.0E	297.7
		5000.0E	1200.0						
70.0	881.23	.5E	53.7	5000.0E	73.4	.5E	85.2	5000.0E	86.0
		.5E	95.4	5000.0E	1200.0				
75.0	850.61	.5E	60.8	5000.0E	62.0	.5E	99.7	5000.0E	1200.0
80.0	810.00	.5E	60.4	5000.0E	1200.0				
85.0	760.00	.5E	37.0	5000.0E	1200.0				
90.0	701.64	.5E	24.4	5000.0E	1200.0				
95.0	636.30	.5E	18.5	5000.0E	1200.0				
100.0	565.70	.5M	1.5	1.0M	3.0	1.5M	7.5	.5E	14.9
		5000.0E	1200.0						
105.0	491.78	.5M	1.5	1.0M	3.0	1.5M	7.5	.5E	12.6
		5000.0E	1200.0						
110.0	416.67	.5M	1.5	1.0M	3.0	1.5M	7.5	.5E	10.6
		5000.0E	1200.0						
115.0	342.70	.5M	1.5	1.0M	3.0	1.5M	7.5	.5E	9.0
		5000.0E	1200.0						
120.0	272.50	.5E	7.8	5000.0E	1200.0				
125.0	209.42	.5E	7.0	5000.0E	1200.0				
130.0	158.46	.5E	6.3	5000.0E	1200.0				
135.0	127.34	.5E	5.9	5000.0E	1200.0				
140.0	122.41	.5E	5.5	5000.0E	1200.0				
145.0	138.16	.5E	5.2	5000.0E	1200.0				
150.0	162.13	.5E	5.0	5000.0E	1200.0				
155.0	185.93	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1200.0						
160.0	205.59	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1200.0						
165.0	219.35	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1200.0						
170.0	226.38	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1200.0						

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PROPOSED 4.3 kW DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 3 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
175.0	226.38	.5M	1.1	1.0M	2.2	1.5M	3.9	2.0M	5.3
		5000.0E	1200.0						
180.0	219.35	.5E	4.5	5000.0E	1200.0				
185.0	205.59	.5E	4.6	5000.0E	1200.0				
190.0	185.93	.5E	4.7	5000.0E	1200.0				
195.0	162.13	.5E	4.8	5000.0E	1200.0				
200.0	138.16	.5E	5.1	5000.0E	1200.0				
205.0	122.41	.5E	5.5	5000.0E	557.3	4.0E	562.2	5000.0E	604.6
		4.0E	614.7	5000.0E	616.9	4.0E	657.8	5000.0E	694.0
		4.0E	724.4	5000.0E	1200.0				
210.0	127.34	.5E	6.0	5000.0E	492.8	4.0E	580.3	5000.0E	580.9
		4.0E	601.9	5000.0E	612.0	4.0E	670.6	5000.0E	674.6
		4.0E	765.6	5000.0E	768.1	4.0E	805.2	5000.0E	1200.0
215.0	158.46	1.5M	2.6	2.0M	6.9	7.0M	17.8	15.0M	130.9
		4.0M	198.2	3.0M	212.4	5000.0E	222.8	4.0E	224.6
		5000.0E	235.2	4.0E	240.3	5000.0E	279.4	4.0E	280.4
		2.0E	374.6	5000.0E	380.0	2.0E	381.8	5000.0E	483.0
		4.0E	502.2	5000.0E	509.5	4.0E	550.1	2.0E	720.0
		4.0E	974.8	5000.0E	984.0	4.0E	1023.5	5000.0E	1200.0
220.0	209.42	1.5M	2.6	2.0M	6.9	7.0M	17.8	15.0M	130.9
		4.0M	198.2	3.0M	212.4	4.0E	227.7	5000.0E	270.5
		4.0E	307.3	2.0E	360.0	5000.0E	366.2	2.0E	371.9
		5000.0E	416.2	4.0E	417.8	5000.0E	421.5	4.0E	443.0
		5000.0E	449.2	2.0E	476.3	5000.0E	479.3	2.0E	501.6
		5000.0E	506.4	2.0E	726.7	4.0E	768.0	2.0E	908.5
225.0	272.50	1.5M	2.6	2.0M	6.9	7.0M	17.8	15.0M	130.9
		4.0M	198.2	3.0M	212.4	4.0E	237.8	5000.0E	263.5
		4.0E	333.8	2.0E	368.5	5000.0E	391.1	4.0E	400.1
		5000.0E	402.7	4.0E	403.7	5000.0E	413.2	4.0E	441.6
		5000.0E	444.1	2.0E	699.0	4.0E	811.8	2.0E	1194.0
230.0	342.70	1.5M	2.6	2.0M	6.9	7.0M	17.8	15.0M	130.9
		4.0M	198.2	3.0M	212.4	4.0E	240.0	5000.0E	248.6
		4.0E	329.7	5000.0E	335.6	4.0E	339.0	5000.0E	374.0
		4.0E	387.4	5000.0E	391.0	4.0E	411.4	5000.0E	415.4
		4.0E	416.2	5000.0E	426.8	4.0E	443.7	2.0E	662.4
		4.0E	894.4	2.0E	937.2	4.0E	1200.0		
235.0	416.67	4.0M	253.1	3.0M	368.2	4.0E	429.4	4.0E	429.4
		5000.0E	433.0	4.0E	436.1	2.0E	1202.0		
240.0	491.78	4.0M	253.1	3.0M	368.2	4.0E	370.0	2.0E	1184.5
		2.0E	1200.0						

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PROPOSED 4.3 kW DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 4 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
245.0	565.70	4.0M	253.1	3.0M	368.2	2.0E	891.0	4.0E	984.8
		2.0E	1200.0						
250.0	636.30	4.0M	253.1	3.0M	368.2	2.0E	1107.6	4.0E	1200.0
255.0	701.64	.5E	49.4	5000.0E	58.4	.5E	68.9	5000.0E	78.1
		4.0E	348.5	2.0E	443.5	4.0E	636.1	2.0E	947.2
		8.0E	1019.6	4.0E	1200.0				
260.0	760.00	.5E	68.9	5000.0E	72.7	4.0E	315.6	2.0E	403.1
		4.0E	590.1	2.0E	907.7	8.0E	1109.3	4.0E	1175.1
		8.0E	1200.0						
265.0	810.00	1.0M	2.8	2.0M	17.5	.5E	62.0	4.0E	65.1
		5000.0E	72.1	4.0E	277.4	2.0E	382.5	4.0E	455.9
		2.0E	477.6	4.0E	741.3	8.0E	1200.0		
270.0	850.61	1.0M	2.8	2.0M	17.5	.5E	45.0	4.0E	61.3
		5000.0E	64.0	4.0E	66.2	5000.0E	66.3	4.0E	203.8
		2.0E	379.0	4.0E	426.3	2.0E	510.4	4.0E	648.3
		8.0E	830.0	15.0E	974.0	8.0E	1200.0		
275.0	881.23	1.0M	2.8	2.0M	17.5	.5E	38.7	4.0E	46.0
		5000.0E	49.5	4.0E	53.7	5000.0E	60.5	4.0E	95.0
		2.0E	136.8	4.0E	181.1	2.0E	552.3	4.0E	582.2
		8.0E	811.3	15.0E	877.9	8.0E	989.1	15.0E	1022.9
		8.0E	1200.0						
280.0	901.71	1.5M	81.0	4.0E	93.6	2.0E	215.5	4.0E	259.5
		2.0E	561.9	8.0E	840.9	15.0E	855.1	8.0E	1008.7
		4.0E	1015.4	8.0E	1031.5	2.0E	1138.2	8.0E	1200.0
285.0	912.31	1.5M	81.0	4.0E	94.1	2.0E	187.3	4.0E	622.8
		8.0E	699.0	10.0E	766.1	20.0E	838.0	8.0E	936.2
		4.0E	953.9	8.0E	990.2	2.0E	1098.5	8.0E	1200.0
290.0	913.72	1.5M	81.0	4.0E	94.9	2.0E	168.7	4.0E	538.7
		8.0E	598.3	10.0E	705.5	20.0E	801.7	15.0E	862.4
		8.0E	1075.6	2.0E	1132.6	8.0E	1200.0		
295.0	906.97	1.0M	2.2	1.5M	5.8	3.0M	10.6	1.0M	23.6
		1.5M	59.0	1.0M	78.5	4.0E	96.3	2.0E	156.0
		4.0E	512.5	8.0E	549.6	10.0E	595.6	20.0E	630.6
		4.0E	697.8	6.0E	759.7	10.0E	797.0	8.0E	829.9
		15.0E	904.4	8.0E	1058.7	2.0E	1139.0	8.0E	1200.0
300.0	893.36	1.0M	3.0	1.5M	10.4	.5M	14.7	1.0M	23.6
		1.5M	59.0	1.0M	78.5	4.0E	98.4	2.0E	146.0
		4.0E	487.0	8.0E	544.0	20.0E	580.2	15.0E	612.6
		20.0E	626.2	4.0E	682.5	6.0E	785.2	10.0E	828.0
		8.0E	1200.0						

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PROPOSED 4.3 kW DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 5 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
305.0	874.36	1.0M	2.2	1.5M	5.8	3.0M	10.6	1.0M	23.6
		1.5M	59.0	1.0M	78.5	4.0E	111.1	2.0E	135.9
		4.0E	434.9	8.0E	562.5	15.0E	595.1	6.0E	640.2
		4.0E	784.8	10.0E	875.4	8.0E	1200.0		
310.0	851.59	1.0M	2.2	1.5M	5.8	3.0M	10.6	1.0M	23.6
		1.5M	59.0	1.0M	78.5	4.0E	448.4	8.0E	508.9
		15.0E	564.8	6.0E	654.3	4.0E	700.6	10.0E	875.7
		4.0E	884.0	10.0E	885.2	4.0E	938.6	10.0E	941.7
		4.0E	942.9	10.0E	966.7	4.0E	969.7	10.0E	1021.4
		2.0E	1117.5	8.0E	1121.2	2.0E	1127.2	8.0E	1200.0
315.0	826.63	2.0M	51.3	1.0M	80.4	4.0E	410.5	8.0E	457.5
		15.0E	523.8	6.0E	646.1	1.0E	755.6	10.0E	761.2
		1.0E	768.5	2.0E	788.3	10.0E	790.5	2.0E	807.6
		10.0E	808.0	2.0E	810.6	10.0E	855.8	2.0E	1200.0
		2.0M	51.3	1.0M	80.4	4.0E	405.8	8.0E	437.7
320.0	801.05	15.0E	467.0	4.0E	471.1	15.0E	474.3	4.0E	484.8
		15.0E	485.7	4.0E	585.0	1.0E	746.8	2.0E	1200.0
		2.0M	51.3	1.0M	80.4	1.0E	82.3	4.0E	428.3
325.0	776.30	8.0E	452.0	15.0E	476.7	10.0E	494.5	4.0E	559.7
		1.0E	738.9	2.0E	1200.0				
		2.0M	51.3	1.0M	80.4	1.0E	87.4	4.0E	460.4
330.0	753.65	15.0E	463.6	10.0E	493.4	4.0E	558.9	1.0E	616.2
		4.0E	651.1	1.0E	710.5	2.0E	1018.1	6.0E	1200.0
		2.0M	51.3	1.0M	80.4	1.0E	92.4	4.0E	468.7
335.0	734.21	10.0E	506.2	4.0E	652.4	2.0E	967.8	6.0E	1085.0
		2.0E	1200.0						
		1.0M	15.3	.5E	19.8	4.0E	20.1	5000.0E	41.6
340.0	718.85	1.0E	98.2	4.0E	261.4	2.0E	287.9	4.0E	484.2
		10.0E	559.0	4.0E	595.5	2.0E	924.7	6.0E	997.6
		2.0E	1057.5	2.0E	1200.0				
345.0	708.24	1.0M	15.3	.5E	18.2	5000.0E	41.8	1.0E	104.5
		4.0E	255.6	2.0E	304.1	4.0E	490.0	10.0E	559.4
		4.0E	584.7	2.0E	800.6	2.0E	1200.0		
350.0	702.82	1.0M	15.3	.5E	16.6	5000.0E	42.0	1.0E	112.7
		4.0E	255.0	2.0E	333.6	4.0E	480.1	10.0E	545.0
		4.0E	565.7	2.0E	757.9	2.0E	1200.0		
355.0	702.82	1.0M	15.3	.5E	15.4	5000.0E	42.8	1.0E	128.9
		4.0E	253.0	2.0E	386.2	4.0E	474.1	10.0E	531.4
		4.0E	569.5	2.0E	744.4	2.0E	1200.0		

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PROPOSED 4.3 kW DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 1 of 2)

ISLIP, NY

Call: WLIE (Proposed 4.3 kW Daytime operation)

Coordinates: N 40 45 8 W 73 12 50

Frequency: 540 kHz Number of contours: 5

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :				
		Contour levels in mV/m.				
		1000.000	5.000	.500	.250	.025
.0	708.24	.53	43.71	85.34	102.03	241.56
5.0	718.85	.54	44.04	85.80	102.19	240.70
10.0	734.21	.55	44.52	86.47	102.43	240.72
15.0	753.65	.56	45.12	87.32	102.78	242.90
20.0	776.30	.66	28.06	106.06	125.77	245.38
25.0	801.05	.68	31.17	106.95	126.08	248.05
30.0	826.63	.69	34.90	107.89	126.48	250.75
35.0	851.59	.78	38.45	96.11	110.14	269.21
40.0	874.36	.73	38.94	106.19	123.73	269.40
45.0	893.36	.75	39.35	107.14	124.75	294.77
50.0	906.97	.76	39.63	107.82	125.48	289.62
55.0	913.72	.76	39.77	108.15	125.84	308.69
60.0	912.31	.66	20.30	80.84	125.45	449.81
65.0	901.71	.80	26.17	66.22	184.60	650.84
70.0	881.23	.64	19.96	76.92	123.80	667.70
75.0	850.61	.62	19.61	58.62	81.67	540.31
80.0	810.00	.60	19.15	57.31	189.66	732.11
85.0	760.00	.57	18.55	215.92	368.83	910.16
90.0	701.64	.53	17.83	336.32	488.45	1028.22
95.0	636.30	.49	16.98	383.91	535.01	1073.11
100.0	565.70	.44	53.75	422.90	572.66	1108.87
105.0	491.78	.39	59.32	411.44	559.34	1092.39
110.0	416.67	.33	59.06	390.16	535.80	1065.72
115.0	342.70	.28	54.11	359.44	501.63	1026.39
120.0	272.50	.23	31.33	305.38	443.20	962.29
125.0	209.42	.18	23.85	262.11	393.42	904.49
130.0	158.46	.14	17.03	218.31	341.23	842.15
135.0	127.34	.11	13.05	186.92	302.17	793.76
140.0	122.41	.12	13.56	182.72	296.35	785.92
145.0	138.16	.12	17.70	201.61	319.75	815.04
150.0	162.13	.14	23.12	227.40	351.05	852.95
155.0	185.93	.16	34.41	256.69	384.63	891.58
160.0	205.59	.18	38.14	273.93	404.71	915.12
165.0	219.35	.19	40.73	285.22	417.92	930.61
170.0	226.38	.19	42.05	290.87	424.27	938.09

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PROPOSED 4.3 kW DAYTIME OPERATION OF
WLIE, ISLIP, NEW YORK
NOVEMBER 2004
 (Page 2 of 2)

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :				
		Contour levels in mV/m.				
		1000.000	5.000	.500	.250	.025
175.0	226.38	.19	42.05	290.87	424.27	938.09
180.0	219.35	.19	35.44	279.92	412.62	925.31
185.0	205.59	.18	32.68	268.47	399.25	909.66
190.0	185.93	.16	28.67	250.94	378.89	885.83
195.0	162.13	.14	23.69	227.97	351.62	853.52
200.0	138.16	.12	18.11	202.01	320.15	815.44
205.0	122.41	.12	13.56	182.72	296.35	662.57
210.0	127.34	.11	12.42	186.29	301.54	582.88
215.0	158.46	.15	26.96	134.64	145.25	218.68
220.0	209.42	.20	34.18	140.65	147.82	257.49
225.0	272.50	.26	42.40	143.90	151.65	278.91
230.0	342.70	.32	50.78	145.90	156.93	290.35
235.0	416.67	.41	37.56	114.74	150.92	298.01
240.0	491.78	.48	41.36	122.70	160.78	313.88
245.0	565.70	.55	44.77	129.75	169.52	327.50
250.0	636.30	.62	47.77	135.91	177.15	339.30
255.0	701.64	.53	17.83	61.70	102.47	308.26
260.0	760.00	.57	18.55	55.63	87.05	295.96
265.0	810.00	.68	27.44	74.98	119.36	324.24
270.0	850.61	.71	27.91	97.19	142.20	334.07
275.0	881.23	.74	28.25	109.87	147.02	335.10
280.0	901.71	.80	33.71	97.94	133.14	321.57
285.0	912.31	.81	33.90	98.58	133.93	337.00
290.0	913.72	.81	33.92	98.87	134.24	341.53
295.0	906.97	.76	33.81	77.48	116.73	322.58
300.0	893.36	.75	33.56	76.96	116.36	323.77
305.0	874.36	.73	33.22	76.23	118.00	327.40
310.0	851.59	.71	32.81	75.43	118.02	331.14
315.0	826.63	.76	37.91	74.63	114.54	326.54
320.0	801.05	.74	37.34	73.65	112.33	323.15
325.0	776.30	.72	36.77	72.68	108.75	318.42
330.0	753.65	.70	36.24	71.79	103.13	311.74
335.0	734.21	.68	35.78	71.02	97.98	305.60
340.0	718.85	.61	42.00	87.48	122.21	324.80
345.0	708.24	.60	43.92	89.12	120.31	319.00
350.0	702.82	.60	45.66	90.71	117.32	314.32
355.0	702.82	.60	47.64	92.69	117.47	308.08

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WGDP, POCOMOKE CITY, MARYLAND
NOVEMBER 2004

(Page 1 of 5)

Call: WGDP

POCOMOKE CITY, MD

Coordinates: N 38 3 11 W 75 34 11

Frequency: 540 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	204.83	2.0E	61.5	4.0E	151.8	5000.0E	163.3	4.0E	166.3
		5000.0E	178.4	4.0E	300.3	2.0E	339.9	4.0E	733.0
5.0	204.83	2.0E	62.0	4.0E	138.5	5000.0E	149.5	4.0E	196.3
		5000.0E	199.7	4.0E	322.8	2.0E	353.4	4.0E	775.2
		10.0E	844.7	4.0E	861.8	2.0E	1044.8	2.0E	1050.1
10.0	204.83	2.0M	21.9	1.5M	85.7	3.0M	149.4	2.0M	169.6
		1.5M	189.8	4.0E	206.6	5000.0E	207.0	4.0E	319.7
		2.0E	375.3	4.0E	555.2	2.0E	589.8	4.0E	785.3
15.0	204.83	2.0M	21.9	1.5M	85.7	3.0M	149.4	2.0M	169.6
		1.5M	189.8	4.0E	311.9	2.0E	383.8	4.0E	572.0
		2.0E	802.5	4.0E	868.3	6.0E	970.7	4.0E	1033.2
20.0	204.83	2.0M	21.9	1.5M	85.7	3.0M	149.4	2.0M	169.6
		1.5M	189.8	4.0E	586.2	2.0E	704.3	.5E	829.2
		4.0E	1058.3						
25.0	204.83	2.0M	21.9	1.5M	85.7	3.0M	149.4	2.0M	169.6
		1.5M	189.8	4.0E	294.8	5000.0E	312.6	.5E	326.4
		4.0E	335.8	5000.0E	340.7	4.0E	368.7	1.0E	786.3
		.5E	858.3	1.0E	1050.1				
30.0	204.83	2.0M	21.9	1.5M	85.7	3.0M	149.4	2.0M	169.6
		1.5M	189.8	4.0E	255.0	5000.0E	260.0	4.0E	260.2
		5000.0E	327.5	.5E	368.5	4.0E	372.4	5000.0E	402.5
		1.0E	428.0	2.0E	552.5	1.0E	707.8	2.0E	873.8
35.0	204.83	2.0E	77.7	5000.0E	365.2	.5E	399.5	5000.0E	440.3
		2.0E	682.4	5000.0E	797.9	2.0E	804.6	5000.0E	825.8
		2.0E	984.1	1.0E	1050.1				
40.0	204.83	2.0E	70.4	5000.0E	415.5	.5E	440.7	5000.0E	481.7
		2.0E	535.1	5000.0E	537.3	2.0E	541.7	5000.0E	545.6
		2.0E	617.2	5000.0E	977.5	2.0E	984.3	5000.0E	992.9
		1.0E	1028.7	5000.0E	1034.6	1.0E	1034.9	5000.0E	1039.6
45.0	204.83	2.0E	54.0	5000.0E	55.5	2.0E	57.6	5000.0E	60.8
		2.0E	64.8	5000.0E	578.4	2.0E	599.3	5000.0E	639.4
		2.0E	643.1	5000.0E	1050.1				
50.0	204.83	2.0E	52.7	5000.0E	1031.3	2.0E	1050.1		
55.0	204.83	2.0E	49.1	5000.0E	1050.1				
60.0	204.83	2.0E	36.1	5000.0E	40.0	2.0E	41.4	5000.0E	1050.1
65.0	204.83	2.0E	30.2	5000.0E	1050.1				
70.0	204.83	2.0E	26.2	5000.0E	1050.1				
75.0	204.83	2.0E	23.3	5000.0E	1050.1				

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WGDP, POCOMOKE CITY, MARYLAND
NOVEMBER 2004
 (Page 2 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
80.0	204.83	2.0E	21.7	5000.0E	1050.1				
85.0	204.83	2.0E	20.4	5000.0E	1050.1				
90.0	204.83	2.0E	19.5	5000.0E	1050.1				
95.0	204.83	2.0E	18.7	5000.0E	1050.1				
100.0	204.83	2.0E	18.1	5000.0E	1050.1				
105.0	204.83	2.0E	17.7	5000.0E	1050.1				
110.0	204.83	2.0E	17.5	5000.0E	1050.1				
115.0	204.83	2.0E	17.3	5000.0E	1050.1				
120.0	204.83	2.0E	17.3	5000.0E	1050.1				
125.0	204.83	2.0E	17.5	5000.0E	1050.1				
130.0	204.83	2.0E	17.8	5000.0E	1050.1				
135.0	204.83	2.0E	18.2	5000.0E	1050.1				
140.0	204.83	2.0E	18.8	5000.0E	1050.1				
145.0	204.83	2.0E	19.6	5000.0E	1050.1				
150.0	204.83	2.0E	20.6	5000.0E	1050.1				
155.0	204.83	2.0E	22.1	5000.0E	1050.1				
160.0	204.83	2.0E	24.4	5000.0E	1050.1				
165.0	204.83	2.0E	27.5	5000.0E	1050.1				
170.0	204.83	2.0E	31.1	5000.0E	1050.1				
175.0	204.83	2.0E	35.9	5000.0E	1050.1				
180.0	204.83	2.0E	35.8	5000.0E	1050.1				
185.0	204.83	2.0E	47.9	5000.0E	234.4	4.0E	275.2	5000.0E	1050.1
190.0	204.83	2.0E	61.6	5000.0E	174.2	4.0E	178.2	5000.0E	187.8
		4.0E	199.9	5000.0E	202.1	4.0E	212.7	5000.0E	236.1
		4.0E	238.1	5000.0E	240.3	4.0E	265.3	5000.0E	268.1
		4.0E	305.1	5000.0E	1050.1				
195.0	204.83	2.0E	61.7	5000.0E	74.6	2.0E	76.4	5000.0E	138.8
		4.0E	176.2	5000.0E	176.9	4.0E	203.4	5000.0E	205.0
		4.0E	220.2	5000.0E	223.5	4.0E	224.8	5000.0E	239.0
		4.0E	302.3	5000.0E	355.0	4.0E	383.0	5000.0E	1050.1
200.0	204.83	2.0E	21.4	5000.0E	23.2	2.0E	105.4	5000.0E	136.1
		4.0E	222.2	5000.0E	223.7	4.0E	241.1	5000.0E	249.3
		4.0E	309.8	5000.0E	315.4	4.0E	356.5	5000.0E	362.3
		4.0E	396.8	5000.0E	1050.1				
205.0	204.83	2.0E	12.5	5000.0E	15.3	2.0E	20.9	5000.0E	33.1
		2.0E	41.0	5000.0E	42.0	2.0E	46.8	5000.0E	48.0
		2.0E	69.5	5000.0E	136.7	4.0E	241.2	5000.0E	245.4
		4.0E	310.1	5000.0E	312.9	4.0E	450.9	5000.0E	1050.1
210.0	204.83	2.0E	11.9	5000.0E	16.2	2.0E	20.5	5000.0E	33.3
		2.0E	35.3	5000.0E	39.8	2.0E	40.7	5000.0E	49.3
		2.0E	54.3	5000.0E	123.0	4.0E	133.8	5000.0E	148.4
		4.0E	214.1	2.0E	335.8	4.0E	532.1	5000.0E	1050.1

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WGDP, POCOMOKE CITY, MARYLAND
NOVEMBER 2004
 (Page 3 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
215.0	204.83	2.0E	12.4	5000.0E	17.5	2.0E	20.3	5000.0E	121.2
		4.0E	140.2	5000.0E	147.5	4.0E	182.6	2.0E	359.0
		4.0E	425.4	2.0E	439.5	4.0E	703.9	5000.0E	708.5
		4.0E	723.1	5000.0E	724.8	4.0E	729.4	5000.0E	977.3
		8.0E	1006.2	4.0E	1050.1				
220.0	204.83	2.0E	13.1	5000.0E	19.1	2.0E	20.3	5000.0E	93.4
		2.0E	97.4	5000.0E	97.5	2.0E	102.4	5000.0E	111.6
		2.0E	111.9	5000.0E	122.1	2.0E	136.3	4.0E	139.4
		5000.0E	147.2	2.0E	363.4	4.0E	412.5	2.0E	513.3
		4.0E	1033.0	2.0E	1050.1				
225.0	204.83	2.0E	14.0	5000.0E	90.3	2.0E	102.1	5000.0E	104.4
		2.0E	106.6	5000.0E	109.5	2.0E	121.7	5000.0E	124.7
		2.0E	133.3	5000.0E	139.8	2.0E	370.3	4.0E	411.0
		2.0E	609.6	4.0E	1011.5	2.0E	1050.1		
		2.0E	15.1	5000.0E	85.2	2.0E	91.2	5000.0E	91.8
230.0	204.83	2.0E	121.2	5000.0E	124.5	2.0E	142.8	5000.0E	146.3
		2.0E	380.4	4.0E	425.3	2.0E	839.1	4.0E	1050.1
		2.0E	16.6	5000.0E	89.2	2.0E	120.8	5000.0E	123.6
235.0	204.83	2.0E	153.9	5000.0E	154.2	2.0E	344.8	4.0E	1050.1
		2.0E	18.5	5000.0E	21.9	2.0E	29.4	5000.0E	74.1
		4.0E	78.0	5000.0E	78.2	4.0E	89.0	5000.0E	97.6
240.0	204.83	2.0E	121.3	5000.0E	123.8	2.0E	329.4	4.0E	520.3
		2.0E	716.4	4.0E	881.7	1.0E	949.3	2.0E	1050.1
		2.0E	28.1	5000.0E	70.8	4.0E	93.6	5000.0E	99.1
245.0	204.83	2.0E	327.3	4.0E	422.9	2.0E	1069.5		
		2.0E	27.1	5000.0E	65.3	4.0E	68.3	5000.0E	71.1
		4.0E	94.3	5000.0E	100.3	2.0E	336.0	4.0E	409.8
250.0	204.83	2.0E	861.9	4.0E	965.3	2.0E	1050.1		
		2.0E	26.3	5000.0E	60.2	4.0E	61.9	5000.0E	66.1
		4.0E	74.6	5000.0E	74.8	4.0E	101.8	5000.0E	106.0
255.0	204.83	2.0E	592.9	4.0E	693.7	2.0E	978.5	4.0E	1050.1
		2.0E	25.8	5000.0E	67.9	4.0E	106.9	5000.0E	109.7
		2.0E	531.6	4.0E	697.9	2.0E	855.1	4.0E	1050.1
260.0	204.83	2.0E	20.6	5000.0E	78.6	4.0E	112.3	5000.0E	116.2
		4.0E	116.8	2.0E	821.2	4.0E	1050.1		
		2.0E	19.4	5000.0E	66.6	4.0E	67.5	5000.0E	84.1
265.0	204.83	4.0E	118.1	5000.0E	120.4	4.0E	126.2	2.0E	715.3
		8.0E	782.3	4.0E	989.6	8.0E	1050.1		
		2.0E	18.4	5000.0E	22.9	2.0E	26.8	5000.0E	67.1
270.0	204.83	4.0E	73.2	5000.0E	91.0	4.0E	137.8	2.0E	707.1
		8.0E	890.2	4.0E	943.2	8.0E	1050.1		
		2.0E	17.6	5000.0E	19.2	2.0E	26.9	5000.0E	68.2
275.0	204.83	4.0E	79.0	5000.0E	80.7	4.0E	90.5	5000.0E	123.2
		4.0E	149.3	2.0E	701.1	8.0E	1050.1		

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WGDP, POCOMOKE CITY, MARYLAND
NOVEMBER 2004
(Page 4 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
285.0	204.83	2.0E	24.9	5000.0E	73.7	4.0E	97.3	5000.0E	98.2
		4.0E	104.6	5000.0E	105.0	4.0E	113.6	5000.0E	117.5
		4.0E	128.2	5000.0E	131.2	4.0E	140.4	5000.0E	144.5
		4.0E	151.5	5000.0E	155.8	4.0E	157.4	2.0E	662.2
290.0	204.83	2.0E	23.4	5000.0E	29.6	2.0E	35.3	5000.0E	76.1
		4.0E	154.6	5000.0E	157.5	4.0E	162.3	2.0E	341.6
		4.0E	441.5	2.0E	541.2	4.0E	594.9	8.0E	779.8
295.0	204.83	2.0E	22.3	5000.0E	24.8	2.0E	35.1	5000.0E	45.3
		2.0E	45.9	5000.0E	80.0	4.0E	89.3	5000.0E	95.9
		4.0E	96.8	5000.0E	105.7	4.0E	147.8	5000.0E	152.1
		4.0E	155.9	5000.0E	156.3	4.0E	161.5	2.0E	308.3
300.0	204.83	4.0E	424.7	2.0E	475.6	4.0E	562.8	8.0E	686.1
		2.0E	21.4	5000.0E	21.5	2.0E	32.8	5000.0E	47.4
		2.0E	56.5	5000.0E	69.1	2.0E	69.7	5000.0E	89.3
		4.0E	145.2	5000.0E	148.3	4.0E	159.4	2.0E	291.5
305.0	204.83	4.0E	540.8	8.0E	706.0	15.0E	777.9	8.0E	897.4
		2.0E	31.0	5000.0E	34.6	2.0E	35.4	5000.0E	40.4
		2.0E	45.9	5000.0E	50.0	2.0E	80.6	5000.0E	100.0
		4.0E	152.2	5000.0E	155.1	4.0E	158.7	2.0E	288.0
310.0	204.83	4.0E	523.7	8.0E	861.6	4.0E	908.9	8.0E	1014.9
		2.0E	30.2	5000.0E	32.6	2.0E	37.9	5000.0E	41.2
		2.0E	47.7	5000.0E	51.0	2.0E	79.0	5000.0E	107.4
		4.0E	159.1	2.0E	287.2	4.0E	511.4	8.0E	688.9
315.0	204.83	2.0E	30.9	5000.0E	31.0	2.0E	39.0	5000.0E	42.5
		2.0E	74.8	5000.0E	84.3	4.0E	87.7	5000.0E	116.8
		4.0E	160.8	2.0E	291.0	4.0E	357.4	2.0E	516.7
		8.0E	664.1	10.0E	713.3	20.0E	793.2	15.0E	889.0
320.0	204.83	2.0E	40.5	5000.0E	43.7	2.0E	77.0	4.0E	81.9
		5000.0E	99.9	4.0E	102.4	5000.0E	127.5	4.0E	163.2
		2.0E	300.3	4.0E	365.4	2.0E	540.3	8.0E	547.5
		4.0E	597.4	8.0E	629.4	10.0E	685.4	20.0E	769.0
325.0	204.83	6.0E	783.4	10.0E	822.5	8.0E	891.7	15.0E	893.2
		2.0E	42.4	5000.0E	43.4	2.0E	72.9	4.0E	73.0
		5000.0E	73.5	4.0E	86.9	5000.0E	93.6	4.0E	106.8
		5000.0E	128.8	4.0E	134.6	5000.0E	140.0	4.0E	148.1
330.0	204.83	5000.0E	148.6	4.0E	153.9	5000.0E	156.2	4.0E	166.8
		2.0E	215.7	4.0E	242.6	2.0E	316.8	4.0E	375.0
		2.0E	504.0	4.0E	578.3	8.0E	609.2	10.0E	653.1
		20.0E	663.4	4.0E	733.2	6.0E	847.5	10.0E	928.5
330.0	204.83	2.0E	69.4	4.0E	95.9	5000.0E	96.9	4.0E	103.3
		5000.0E	107.2	4.0E	110.5	5000.0E	149.3	4.0E	176.0
		2.0E	201.8	4.0E	251.1	2.0E	449.4	4.0E	571.4
		8.0E	604.7	10.0E	626.1	20.0E	675.4	15.0E	679.5
330.0	204.83	20.0E	692.9	10.0E	707.0	4.0E	875.4	10.0E	877.9
		4.0E	941.8	10.0E	977.0	4.0E	1019.9	10.0E	1022.4

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WGDP, POCOMOKE CITY, MARYLAND
NOVEMBER 2004
 (Page 5 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
335.0	204.83	2.0E	66.6	4.0E	121.0	5000.0E	128.3	4.0E	140.0
		5000.0E	160.0	4.0E	263.5	2.0E	412.7	4.0E	584.1
		8.0E	670.0	15.0E	698.9	6.0E	746.7	4.0E	837.9
		10.0E	979.9	2.0E	1050.1				
340.0	204.83	2.0E	64.5	4.0E	128.2	5000.0E	129.6	4.0E	150.3
		5000.0E	158.2	4.0E	275.6	2.0E	387.9	4.0E	549.3
		8.0E	658.7	15.0E	695.5	6.0E	794.4	1.0E	908.6
		2.0E	1050.1						
345.0	204.83	2.0E	63.0	4.0E	151.6	5000.0E	153.9	4.0E	155.0
		5000.0E	171.4	4.0E	281.2	2.0E	374.2	4.0E	600.8
		8.0E	638.9	15.0E	686.3	4.0E	765.1	1.0E	928.8
		2.0E	1050.1						
350.0	204.83	2.0E	62.0	4.0E	163.1	5000.0E	166.6	4.0E	280.2
		2.0E	347.2	4.0E	593.8	8.0E	626.5	15.0E	660.9
		4.0E	665.0	15.0E	668.1	4.0E	670.5	15.0E	670.9
		4.0E	675.3	15.0E	677.7	10.0E	678.7	15.0E	679.8
		10.0E	681.9	15.0E	684.3	10.0E	685.0	15.0E	688.0
		4.0E	764.3	1.0E	918.9	2.0E	1050.1		
355.0	204.83	2.0E	61.5	4.0E	287.1	2.0E	331.1	4.0E	615.4
		8.0E	643.9	4.0E	649.1	8.0E	660.2	4.0E	683.8
		15.0E	695.1	10.0E	724.0	4.0E	883.5	2.0E	1050.1

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT DAYTIME OPERATION OF
WGDP, POCOMOKE CITY, MARYLAND
NOVEMBER 2004
 (Page 1 of 2)

POCOMOKE CITY , MD

Call: WGDP

Coordinates: N 38 3 11 W 75 34 11

Frequency: 540 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m. .025	.500
0.0	204.83	254.86	57.43
5.0	204.83	248.33	57.43
10.0	204.83	178.76	49.01
15.0	204.83	178.76	49.01
20.0	204.83	178.76	49.01
25.0	204.83	178.76	49.01
30.0	204.83	178.76	49.01
35.0	204.83	432.21	57.43
40.0	204.83	490.32	57.43
45.0	204.83	632.10	61.45
50.0	204.83	726.83	85.87
55.0	204.83	747.85	106.88
60.0	204.83	813.91	172.95
65.0	204.83	850.02	209.05
70.0	204.83	867.06	226.10
75.0	204.83	877.57	236.61
80.0	204.83	882.99	242.03
85.0	204.83	886.93	245.96
90.0	204.83	889.81	248.85
95.0	204.83	891.91	250.95
100.0	204.83	893.44	252.48
105.0	204.83	894.50	253.53
110.0	204.83	895.15	254.19
115.0	204.83	895.45	254.49
120.0	204.83	895.43	254.46
125.0	204.83	895.07	254.10
130.0	204.83	894.36	253.39
135.0	204.83	893.22	252.26
140.0	204.83	891.61	250.65
145.0	204.83	889.39	248.43
150.0	204.83	886.37	245.40
155.0	204.83	881.70	240.73
160.0	204.83	873.64	232.68
165.0	204.83	861.60	220.64
170.0	204.83	845.97	205.01
175.0	204.83	822.18	181.22

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT DAYTIME OPERATION OF
WGDP, POCONOKE CITY, MARYLAND
NOVEMBER 2004
 (Page 2 of 2)

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.025	.500
180.0	204.83	822.81	181.84
185.0	204.83	631.32	114.26
190.0	204.83	445.80	57.43
195.0	204.83	321.84	57.43
200.0	204.83	250.73	58.77
205.0	204.83	309.04	74.79
210.0	204.83	313.05	156.76
215.0	204.83	304.92	157.91
220.0	204.83	281.99	135.24
225.0	204.83	267.79	120.61
230.0	204.83	256.94	112.20
235.0	204.83	256.04	114.37
240.0	204.83	250.51	109.33
245.0	204.83	244.43	105.34
250.0	204.83	244.57	105.48
255.0	204.83	244.41	101.66
260.0	204.83	246.88	104.56
265.0	204.83	258.17	119.08
270.0	204.83	263.39	123.35
275.0	204.83	265.25	120.57
280.0	204.83	276.75	132.03
285.0	204.83	272.65	110.71
290.0	204.83	264.22	106.77
295.0	204.83	272.62	117.38
300.0	204.83	259.39	101.14
305.0	204.83	241.04	68.02
310.0	204.83	241.93	65.00
315.0	204.83	244.64	60.42
320.0	204.83	246.65	60.17
325.0	204.83	247.89	58.27
330.0	204.83	258.38	57.43
335.0	204.83	255.51	57.43
340.0	204.83	243.58	57.43
345.0	204.83	250.80	57.43
350.0	204.83	240.70	57.43
355.0	204.83	238.49	57.43

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED DAYTIME OPERATION OF
WGDP, BRINKLOW, MARYLAND
NOVEMBER 2004

(Page 1 of 5)

Call: WGDP (CP Operation)

BRINKLOW

, MD

Coordinates: N 39 15 42 W 77 3 39

Frequency: 540 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	124.29	2.0E	41.7	4.0E	80.2	2.0E	227.9	4.0E	447.4
		8.0E	481.7	15.0E	513.1	4.0E	530.2	15.0E	534.2
		10.0E	535.6	15.0E	544.2	4.0E	621.5	1.0E	686.3
		4.0E	751.1	2.0E	1024.6	2.0E	1167.2		
5.0	139.18	2.0E	41.6	4.0E	92.4	2.0E	228.5	4.0E	468.0
		8.0E	529.8	15.0E	554.5	10.0E	586.6	4.0E	734.9
		2.0E	939.1	2.0E	1167.2				
10.0	148.09	2.0E	41.8	4.0E	112.7	2.0E	226.9	4.0E	593.5
15.0	150.14	10.0E	705.6	4.0E	738.1	2.0E	926.2	2.0E	1167.2
		2.0E	42.4	4.0E	130.2	2.0E	220.6	4.0E	662.3
20.0	145.14	10.0E	734.4	4.0E	751.7	2.0E	946.5	2.0E	1167.2
		2.0E	43.3	4.0E	145.5	2.0E	214.5	4.0E	683.0
25.0	133.57	10.0E	744.7	4.0E	831.5	2.0E	1020.0	2.0E	1167.2
		2.0E	44.6	4.0E	153.3	2.0E	216.7	4.0E	774.2
30.0	116.62	6.0E	913.1	4.0E	997.4	2.0E	1167.2		
		2.0E	46.4	4.0E	166.5	2.0E	235.3	4.0E	478.9
35.0	96.10	2.0E	749.3	4.0E	1146.8	2.0E	1175.9		
		2.0E	48.5	4.0E	192.3	2.0E	265.9	4.0E	517.2
		2.0E	634.6	1.0E	644.5	.5E	838.3	4.0E	848.8
40.0	74.55	1.0E	855.7	4.0E	864.7	1.0E	1129.9	2.0E	1167.2
		2.0E	49.4	4.0E	252.4	2.0E	320.0	4.0E	515.9
		1.0E	1103.7	2.0E	1167.2				
45.0	55.64	2.0E	50.9	4.0E	257.1	2.0E	326.8	4.0E	439.7
		1.0E	675.3	2.0E	963.5	1.0E	1057.2	2.0E	1167.2
50.0	44.59	2.0E	52.3	4.0E	265.1	2.0E	303.0	4.0E	357.5
		1.0E	436.3	2.0E	560.5	1.0E	634.9	2.0E	666.5
		5000.0E	975.3	2.0E	979.1	5000.0E	991.1	1.0E	996.9
55.0	44.73	5000.0E	1005.1	1.0E	1034.0	5000.0E	1091.9	2.0E	1117.0
		2.0E	52.3	4.0E	345.3	1.0E	413.5	2.0E	609.7
60.0	51.36	5000.0E	1055.4	2.0E	1167.2				
		2.0E	48.8	4.0E	275.1	5000.0E	303.0	.5E	309.3
		5000.0E	316.8	.5E	393.2	5000.0E	482.4	2.0E	540.0
		5000.0E	560.8	2.0E	622.4	5000.0E	661.4	2.0E	664.0
		5000.0E	1074.2	2.0E	1080.0	5000.0E	1167.2		
65.0	57.67	2.0E	44.6	4.0E	287.8	5000.0E	1167.2		
70.0	60.14	2.0E	40.7	4.0E	87.3	5000.0E	100.5	4.0E	136.8
		5000.0E	142.4	4.0E	268.3	5000.0E	1167.2		
75.0	58.05	2.0E	37.7	4.0E	69.4	5000.0E	72.0	4.0E	83.6
		5000.0E	93.1	4.0E	95.0	5000.0E	102.6	4.0E	131.4
		5000.0E	137.4	4.0E	258.9	5000.0E	1167.2		

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED DAYTIME OPERATION OF
WGDP, BRINKLOW, MARYLAND
NOVEMBER 2004
 (Page 2 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E – map data; M – measurement data.							
80.0	53.88	2.0E	35.3	4.0E	61.4	5000.0E	63.9	4.0E	68.1
		5000.0E	70.7	4.0E	73.3	5000.0E	88.9	4.0E	126.4
		5000.0E	136.2	4.0E	242.4	5000.0E	1167.2		
85.0	55.31	2.0E	33.3	4.0E	50.0	5000.0E	50.6	4.0E	55.6
		5000.0E	64.8	4.0E	64.8	5000.0E	76.7	4.0E	135.5
		5000.0E	144.9	4.0E	223.8	5000.0E	1167.2		
90.0	72.17	2.0E	31.1	4.0E	35.1	5000.0E	41.6	4.0E	52.8
		5000.0E	54.9	4.0E	55.9	5000.0E	71.4	4.0E	141.9
		5000.0E	160.6	4.0E	211.8	5000.0E	1167.2		
95.0	105.62	2.0E	29.3	4.0E	38.9	5000.0E	44.5	4.0E	44.9
		5000.0E	52.0	4.0E	54.3	5000.0E	69.7	4.0E	142.8
		5000.0E	187.0	4.0E	202.7	5000.0E	1167.2		
100.0	151.52	2.0E	27.8	4.0E	39.4	5000.0E	42.0	4.0E	44.8
		5000.0E	69.2	4.0E	77.0	5000.0E	77.2	4.0E	82.7
		5000.0E	85.1	4.0E	153.5	5000.0E	184.8	4.0E	192.9
105.0	206.56	2.0E	26.7	4.0E	45.0	5000.0E	48.8	4.0E	51.7
		5000.0E	73.4	4.0E	76.3	5000.0E	82.3	4.0E	165.2
		5000.0E	1167.2						
110.0	268.29	2.0E	25.9	4.0E	57.9	5000.0E	83.6	4.0E	184.6
		5000.0E	1167.2						
115.0	334.51	2.0E	25.3	4.0E	55.4	5000.0E	80.6	4.0E	84.9
		5000.0E	87.6	4.0E	163.3	2.0E	193.2	5000.0E	1167.2
120.0	402.90	2.0E	24.9	4.0E	47.7	5000.0E	52.9	4.0E	59.4
		5000.0E	85.8	4.0E	86.4	5000.0E	89.3	4.0E	143.9
125.0	471.02	2.0E	196.2	5000.0E	1167.2				
		2.0E	24.7	4.0E	61.5	5000.0E	82.4	4.0E	90.5
		5000.0E	95.1	4.0E	127.5	2.0E	198.0	5000.0E	200.5
130.0	536.26	2.0E	200.5	5000.0E	1167.2				
		2.0E	24.7	4.0E	52.0	5000.0E	83.9	4.0E	86.1
		5000.0E	89.3	4.0E	90.8	5000.0E	108.4	4.0E	115.3
135.0	595.93	2.0E	198.9	5000.0E	1167.2				
		2.0E	24.9	4.0E	67.9	5000.0E	88.4	4.0E	89.1
		5000.0E	98.2	4.0E	106.2	5000.0E	109.1	2.0E	142.8
140.0	647.38	5000.0E	146.4	2.0E	204.1	5000.0E	1167.2		
		2.0E	25.3	4.0E	70.9	5000.0E	108.0	2.0E	138.5
		5000.0E	154.6	2.0E	161.2	5000.0E	165.7	2.0E	170.7
		5000.0E	173.5	2.0E	186.9	5000.0E	192.2	2.0E	212.7
145.0	688.14	5000.0E	1167.2						
		2.0E	26.0	4.0E	82.3	5000.0E	120.9	2.0E	121.8
150.0	716.08	5000.0E	197.8	2.0E	219.2	5000.0E	1167.2		
		2.0E	27.0	4.0E	97.5	5000.0E	101.7	4.0E	115.6
155.0	729.55	5000.0E	208.3	2.0E	225.9	5000.0E	1167.2		
		2.0E	28.2	4.0E	102.8	5000.0E	111.7	4.0E	147.4
		5000.0E	163.6	4.0E	165.9	5000.0E	229.7	2.0E	242.4
		5000.0E	1167.2						

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED DAYTIME OPERATION OF
WGDP, BRINKLOW, MARYLAND
NOVEMBER 2004
 (Page 3 of 5)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
160.0	727.56	2.0E	29.9	4.0E	90.0	5000.0E	93.8	4.0E	128.5
		5000.0E	149.7	4.0E	184.9	5000.0E	1167.2		
165.0	709.91	2.0E	32.0	4.0E	111.0	5000.0E	112.1	4.0E	117.8
		5000.0E	128.4	4.0E	182.0	5000.0E	190.1	2.0E	217.2
		5000.0E	224.9	2.0E	228.2	5000.0E	242.0	4.0E	259.7
		5000.0E	266.0	4.0E	271.5	5000.0E	273.2	4.0E	349.7
		5000.0E	384.6	4.0E	419.2	5000.0E	1167.2		
170.0	677.20	2.0E	34.7	4.0E	101.6	5000.0E	123.8	4.0E	158.4
		5000.0E	165.2	2.0E	213.4	5000.0E	221.0	2.0E	243.2
		4.0E	245.2	5000.0E	256.4	4.0E	270.9	5000.0E	273.1
		4.0E	349.9	5000.0E	353.5	4.0E	358.7	5000.0E	375.6
		4.0E	439.9	5000.0E	1167.2				
175.0	630.89	2.0E	38.2	4.0E	46.6	5000.0E	50.5	4.0E	104.5
		5000.0E	118.9	4.0E	134.7	5000.0E	141.7	4.0E	144.1
		2.0E	226.7	5000.0E	229.9	2.0E	308.6	4.0E	338.3
		5000.0E	343.8	4.0E	351.5	5000.0E	361.6	4.0E	368.3
		5000.0E	373.1	4.0E	430.1	5000.0E	438.2	4.0E	454.6
		5000.0E	459.1	4.0E	468.5	5000.0E	478.3	4.0E	497.6
		5000.0E	1167.2						
180.0	573.20	2.0E	42.9	4.0E	61.6	5000.0E	63.7	4.0E	91.5
		5000.0E	96.5	4.0E	131.0	2.0E	397.1	4.0E	414.0
		5000.0E	415.6	4.0E	457.5	5000.0E	458.8	4.0E	508.3
		5000.0E	1167.2						
185.0	506.95	2.0E	49.3	4.0E	64.9	5000.0E	70.2	4.0E	70.5
		5000.0E	73.7	4.0E	96.6	5000.0E	100.8	4.0E	120.1
		2.0E	432.4	4.0E	541.7	5000.0E	1167.2		
190.0	435.37	2.0E	58.4	4.0E	70.4	5000.0E	81.0	4.0E	95.9
		5000.0E	104.2	4.0E	108.1	2.0E	434.6	4.0E	605.2
		5000.0E	1167.2						
195.0	361.86	2.0E	73.7	4.0E	88.9	2.0E	423.5	4.0E	476.9
		2.0E	522.1	4.0E	638.2	5000.0E	1167.2		
200.0	289.74	2.0E	415.8	4.0E	455.7	2.0E	565.7	4.0E	765.2
		5000.0E	773.4	4.0E	775.1	5000.0E	1150.0	2.0E	1167.2
205.0	222.04	2.0E	354.2	4.0E	454.1	2.0E	617.2	4.0E	820.8
		8.0E	828.3	5000.0E	834.0	8.0E	876.3	5000.0E	925.7
		8.0E	933.9	5000.0E	993.4	8.0E	997.4	5000.0E	1006.0
		8.0E	1021.8	5000.0E	1024.1	8.0E	1036.0	4.0E	1127.0
		2.0E	1167.2						
210.0	161.40	2.0E	323.7	4.0E	518.9	2.0E	678.6	4.0E	1063.6
		2.0E	1173.1						
215.0	110.06	2.0E	313.8	4.0E	680.4	2.0E	857.7	4.0E	1034.9
		2.0E	1167.2						
220.0	70.24	2.0E	310.7	4.0E	395.6	2.0E	641.4	4.0E	1167.2
225.0	45.01	2.0E	711.9	4.0E	1167.2				

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED DAYTIME OPERATION OF
WGDP, BRINKLOW, MARYLAND
NOVEMBER 2004
 (Page 4 of 5)

Radiation		Ground Conductivity Data:					
Azimuth	(mV/m at one km)	Region conductivity in mS/m followed by distance in km to the end of region. E – map data; M – measurement data.					
230.0	36.85	2.0E 831.6	1.0E 862.0	2.0E 1054.0	4.0E 1123.2		
		8.0E 1167.2					
235.0	38.99	2.0E 831.2	4.0E 1155.7	2.0E 1167.2			
240.0	41.43	2.0E 455.8	4.0E 624.4	2.0E 1070.3	4.0E 1117.8		
245.0	40.56	2.0E 784.0	4.0E 1157.5	2.0E 1167.2			
250.0	36.31	2.0E 746.0	4.0E 1165.5	8.0E 1167.2			
255.0	29.84	2.0E 609.2	8.0E 689.0	4.0E 1139.9	8.0E 1167.2		
260.0	22.90	2.0E 586.9	8.0E 660.9	4.0E 875.0	8.0E 1041.1		
		4.0E 1084.8	8.0E 1167.2				
265.0	17.70	2.0E 165.8	4.0E 264.1	2.0E 571.8	8.0E 764.0		
		4.0E 819.2	8.0E 1167.2				
270.0	16.13	2.0E 137.5	4.0E 294.3	2.0E 552.9	8.0E 1061.9		
		15.0E 1167.2					
275.0	17.32	2.0E 122.5	4.0E 274.8	2.0E 470.2	8.0E 997.8		
		15.0E 1152.4	8.0E 1167.2				
280.0	18.65	2.0E 116.2	4.0E 256.6	2.0E 324.2	4.0E 421.2		
		8.0E 742.7	15.0E 807.3	8.0E 972.0	15.0E 1096.8		
		8.0E 1167.2					
285.0	18.56	2.0E 111.4	4.0E 390.5	8.0E 523.8	15.0E 754.8		
		8.0E 948.0	15.0E 1014.4	8.0E 1167.2			
290.0	16.91	2.0E 107.7	4.0E 368.7	8.0E 522.2	15.0E 592.4		
		8.0E 926.5	15.0E 959.7	8.0E 1167.2			
295.0	14.78	2.0E 105.1	4.0E 351.3	8.0E 533.0	15.0E 603.7		
		8.0E 718.2	4.0E 759.2	2.0E 852.5	8.0E 969.3		
		15.0E 998.5	8.0E 1164.0	4.0E 1167.2			
300.0	14.36	2.0E 103.3	4.0E 337.6	8.0E 680.7	4.0E 737.8		
		2.0E 860.5	8.0E 1008.6	15.0E 1032.6	8.0E 1143.4		
		4.0E 1167.2					
305.0	16.90	2.0E 102.8	4.0E 327.2	8.0E 511.4	10.0E 548.3		
		20.0E 554.2	10.0E 562.9	20.0E 607.3	8.0E 858.4		
		2.0E 927.6	8.0E 1027.4	15.0E 1084.9	8.0E 1142.2		
		4.0E 1167.2					
310.0	20.78	2.0E 104.2	4.0E 171.0	2.0E 265.1	4.0E 325.4		
		8.0E 491.3	10.0E 536.2	20.0E 610.1	15.0E 647.3		
		8.0E 871.7	2.0E 950.9	8.0E 1129.9	4.0E 1167.2		
315.0	23.73	2.0E 106.5	4.0E 172.1	2.0E 334.5	8.0E 416.8		
		4.0E 426.4	8.0E 471.0	10.0E 525.3	20.0E 608.8		
		10.0E 613.2	8.0E 620.3	15.0E 724.2	8.0E 1129.8		
		4.0E 1167.2					
320.0	24.34	2.0E 109.8	4.0E 176.6	2.0E 352.4	8.0E 368.6		
		4.0E 412.6	8.0E 445.4	10.0E 502.3	20.0E 585.3		
		6.0E 597.6	10.0E 635.5	8.0E 706.3	15.0E 706.5		
		8.0E 1167.2					

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED DAYTIME OPERATION OF
WGDP, BRINKLOW, MARYLAND
NOVEMBER 2004
 (Page 5 of 5)

Radiation		Ground Conductivity Data:							
(mV/m at		Region conductivity in mS/m followed by distance in km							
Azimuth	one km)	to the end of region. E - map data; M - measurement data.							
325.0	22.52	2.0E	115.2	4.0E	182.7	2.0E	351.4	4.0E	407.5
		8.0E	430.1	10.0E	451.8	4.0E	453.5	10.0E	466.8
		4.0E	545.3	6.0E	651.1	10.0E	720.5	8.0E	1167.2
330.0	21.05	2.0E	122.4	4.0E	190.0	2.0E	313.1	4.0E	385.1
		8.0E	424.0	10.0E	461.0	20.0E	514.7	4.0E	563.5
		6.0E	665.6	4.0E	682.4	10.0E	841.1	4.0E	842.1
335.0	26.43	10.0E	845.4	4.0E	859.7	10.0E	905.1	2.0E	1167.2
		2.0E	132.6	4.0E	190.9	2.0E	284.5	4.0E	391.6
		8.0E	425.8	10.0E	444.2	20.0E	487.9	15.0E	508.4
340.0	40.83	10.0E	547.7	4.0E	664.2	10.0E	665.0	4.0E	675.6
		10.0E	837.1	2.0E	840.0	10.0E	843.9	2.0E	1167.2
		2.0E	155.2	4.0E	176.8	2.0E	265.6	4.0E	402.7
345.0	60.76	8.0E	474.2	20.0E	476.8	15.0E	480.1	8.0E	496.1
		15.0E	523.3	6.0E	573.6	4.0E	659.5	10.0E	660.8
		4.0E	665.7	10.0E	710.4	1.0E	719.3	10.0E	725.2
350.0	82.97	1.0E	733.1	2.0E	1167.2				
		2.0E	48.0	4.0E	58.7	2.0E	251.0	4.0E	411.2
		8.0E	496.6	15.0E	531.4	6.0E	631.0	1.0E	742.0
355.0	104.91	2.0E	1080.9	6.0E	1167.2				
		2.0E	44.3	4.0E	65.1	2.0E	239.3	4.0E	386.0
		8.0E	489.7	15.0E	529.8	6.0E	612.8	1.0E	765.8
355.0	104.91	2.0E	1045.5	6.0E	1155.7	2.0E	1167.2		
		2.0E	42.1	4.0E	71.6	2.0E	232.1	4.0E	442.2
		8.0E	483.0	15.0E	530.8	4.0E	610.1	1.0E	776.7
		2.0E	1036.3	6.0E	1114.5	2.0E	1167.2		

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE AUTHORIZED DAYTIME OPERATION OF
WGDP, BRINKLOW, MARYLAND
NOVEMBER 2004
 (Page 1 of 2)

BRINKLOW, MD

Call: WGDP (CP Operation)

Coordinates: N 39 15 42 W 77 3 39

Frequency: 540 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m. .025	.500
0.0	124.29	175.19	48.21
5.0	139.18	186.35	51.99
10.0	148.09	196.29	53.96
15.0	150.14	201.62	54.14
20.0	145.14	202.79	52.48
25.0	133.57	198.63	48.98
30.0	116.62	192.26	44.59
35.0	96.10	183.29	40.73
40.0	74.55	164.57	36.05
45.0	55.64	144.45	31.15
50.0	44.59	130.18	27.76
55.0	44.73	130.35	27.81
60.0	51.36	140.52	29.89
65.0	57.67	150.07	31.72
70.0	60.14	169.17	32.40
75.0	58.05	174.20	31.83
80.0	53.88	174.48	30.64
85.0	55.31	177.70	31.05
90.0	72.17	204.73	42.79
95.0	105.62	375.51	71.38
100.0	151.52	455.08	84.70
105.0	206.56	525.36	98.58
110.0	268.29	524.35	105.20
115.0	334.51	531.66	116.46
120.0	402.90	562.17	130.24
125.0	471.02	556.43	129.94
130.0	536.26	626.10	144.96
135.0	595.93	600.36	136.34
140.0	647.38	680.65	154.70
145.0	688.14	874.60	212.26
150.0	716.08	817.29	192.54
155.0	729.55	759.80	138.65
160.0	727.56	749.97	148.79
165.0	709.91	426.10	136.99
170.0	677.20	398.38	141.02
175.0	630.89	347.13	132.24

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE AUTHORIZED DAYTIME OPERATION OF
WGDP, BRINKLOW, MARYLAND
NOVEMBER 2004
 (Page 2 of 2)

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.025	.500
180.0	573.20	313.04	116.19
185.0	506.95	299.71	110.89
190.0	435.37	282.96	101.60
195.0	361.86	245.97	73.37
200.0	289.74	223.24	66.74
205.0	222.04	202.52	59.49
210.0	161.40	179.54	51.68
215.0	110.06	154.60	43.41
220.0	70.24	129.03	35.01
225.0	45.01	107.48	27.90
230.0	36.85	98.92	25.05
235.0	38.99	101.27	25.83
240.0	41.43	103.86	26.69
245.0	40.56	102.95	26.39
250.0	36.31	98.31	24.85
255.0	29.84	90.54	22.28
260.0	22.90	81.05	19.10
265.0	17.70	72.69	16.33
270.0	16.13	69.87	15.40
275.0	17.32	72.03	16.11
280.0	18.65	74.32	16.87
285.0	18.56	74.17	16.82
290.0	16.91	71.29	15.87
295.0	14.78	67.31	14.57
300.0	14.36	66.49	14.30
305.0	16.90	71.28	15.86
310.0	20.78	77.79	18.02
315.0	23.73	82.27	19.51
320.0	24.34	83.14	19.80
325.0	22.52	80.48	18.91
330.0	21.05	78.21	18.16
335.0	26.43	86.06	20.78
340.0	40.83	103.23	26.48
345.0	60.76	125.28	32.57
350.0	82.97	145.20	37.97
355.0	104.91	161.73	42.64

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004

(Page 1 of 3)

Call: WWCS
 CANONSBURG , PA
 Coordinates: N 40 17 22 W 80 11 7
 Frequency: 540 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	232.28	4.0E	74.9	8.0E	168.1	4.0E	200.9	8.0E	229.9
		10.0E	250.7	4.0E	252.7	10.0E	276.7	20.0E	332.4
		4.0E	467.2	10.0E	551.2	1.0E	559.4	10.0E	561.7
		1.0E	563.9	10.0E	565.0	1.0E	572.5	2.0E	913.4
5.0	257.98	4.0E	83.1	8.0E	166.3	4.0E	212.9	8.0E	239.6
		10.0E	282.6	20.0E	343.9	10.0E	387.6	6.0E	401.1
		4.0E	499.8	1.0E	603.2	2.0E	919.5	6.0E	1012.7
10.0	287.56	4.0E	96.9	2.0E	104.1	8.0E	165.7	4.0E	225.4
		8.0E	254.0	10.0E	289.5	20.0E	328.6	15.0E	379.0
		6.0E	501.3	1.0E	653.3	2.0E	932.1	6.0E	994.0
15.0	320.66	4.0E	91.8	2.0E	173.7	4.0E	225.1	8.0E	276.3
		10.0E	297.8	20.0E	343.9	15.0E	345.8	8.0E	369.5
		15.0E	410.4	6.0E	508.3	1.0E	683.8	2.0E	931.0
20.0	356.83	4.0E	87.9	2.0E	181.6	4.0E	248.6	8.0E	390.8
		15.0E	432.6	6.0E	494.2	4.0E	524.0	1.0E	638.4
		4.0E	680.6	2.0E	889.7	2.0E	1200.0		
25.0	395.56	4.0E	84.9	2.0E	182.9	4.0E	306.1	8.0E	407.8
		15.0E	458.5	4.0E	561.4	1.0E	619.4	4.0E	696.3
		2.0E	894.1	2.0E	1200.0				
30.0	436.30	4.0E	82.7	2.0E	184.7	4.0E	322.7	8.0E	427.4
		15.0E	469.0	4.0E	497.0	15.0E	500.3	10.0E	505.6
		15.0E	507.1	4.0E	714.8	2.0E	936.5	2.0E	1200.0
35.0	478.44	4.0E	81.2	2.0E	188.1	4.0E	327.4	8.0E	368.7
		4.0E	411.9	8.0E	454.8	15.0E	535.5	4.0E	536.1
		15.0E	554.4	10.0E	740.9	4.0E	761.1	2.0E	1105.2
40.0	521.34	4.0E	80.4	2.0E	193.7	4.0E	476.7	8.0E	496.7
		4.0E	703.3	10.0E	891.9	6.0E	895.6	4.0E	1200.0
45.0	564.34	4.0E	80.2	2.0E	202.4	4.0E	1119.9	1.0E	1184.1
		2.0E	1200.0						
50.0	606.80	4.0E	80.5	2.0E	214.5	4.0E	671.1	2.0E	801.4
		.5E	868.4	4.0E	894.4	.5E	916.9	4.0E	962.5
		1.0E	1229.7						
55.0	648.09	4.0E	81.0	2.0E	230.6	4.0E	563.7	2.0E	749.9
		1.0E	752.8	.5E	843.2	1.0E	1168.8	2.0E	1200.0
60.0	687.62	4.0E	82.2	2.0E	250.1	4.0E	648.8	2.0E	686.8
		1.0E	826.8	2.0E	1024.6	5000.0E	1039.5	2.0E	1044.3
		5000.0E	1045.8	2.0E	1121.0	1.0E	1177.5	5000.0E	1181.2
		1.0E	1182.9	5000.0E	1200.0				

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
 (Page 2 of 3)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
65.0	724.89	4.0E	84.0	2.0E	281.5	4.0E	641.8	1.0E	818.8
		2.0E	828.3	5000.0E	835.7	2.0E	837.1	5000.0E	840.4
		2.0E	853.7	5000.0E	1200.0				
70.0	759.44	4.0E	86.6	2.0E	327.7	4.0E	602.4	1.0E	671.3
		2.0E	801.2	5000.0E	1200.0				
75.0	790.92	4.0E	90.0	2.0E	168.5	4.0E	209.8	2.0E	354.6
		4.0E	410.9	2.0E	507.2	4.0E	554.3	1.0E	616.5
		2.0E	755.3	5000.0E	760.1	2.0E	768.0	5000.0E	768.6
		2.0E	825.2	5000.0E	868.8	2.0E	873.0	5000.0E	1200.0
80.0	819.09	4.0E	94.5	2.0E	155.9	4.0E	213.7	2.0E	404.5
		4.0E	451.4	2.0E	500.8	4.0E	553.9	1.0E	556.5
		5000.0E	653.6	.5E	661.3	5000.0E	1200.0		
85.0	843.82	4.0E	101.1	2.0E	146.1	4.0E	210.8	2.0E	311.6
		4.0E	510.0	5000.0E	1200.0				
90.0	865.06	4.0E	110.2	2.0E	137.3	4.0E	206.0	2.0E	283.2
		4.0E	522.7	5000.0E	1200.0				
95.0	882.90	4.0E	123.7	2.0E	125.4	4.0E	200.2	2.0E	270.7
		4.0E	416.0	5000.0E	422.6	4.0E	517.5	5000.0E	1200.0
100.0	897.50	4.0E	195.2	2.0E	259.6	4.0E	399.0	5000.0E	406.0
		4.0E	498.3	5000.0E	1200.0				
105.0	909.10	4.0E	191.0	2.0E	321.2	4.0E	346.9	5000.0E	349.6
		4.0E	354.7	5000.0E	363.5	4.0E	427.1	5000.0E	471.1
		4.0E	481.8	5000.0E	1200.0				
110.0	918.02	4.0E	186.6	2.0E	318.6	4.0E	327.4	5000.0E	331.8
		4.0E	333.4	5000.0E	360.9	4.0E	365.6	5000.0E	371.8
		4.0E	471.8	5000.0E	1200.0				
115.0	924.60	4.0E	182.6	2.0E	312.5	4.0E	350.5	5000.0E	371.5
		4.0E	421.9	2.0E	488.9	5000.0E	1200.0		
120.0	929.23	4.0E	180.1	2.0E	310.0	4.0E	314.5	5000.0E	317.3
		4.0E	368.3	5000.0E	385.8	2.0E	418.3	5000.0E	421.4
		2.0E	427.9	5000.0E	431.1	2.0E	436.6	5000.0E	438.6
		2.0E	485.6	5000.0E	1200.0				
125.0	932.30	4.0E	179.1	2.0E	309.9	4.0E	315.1	5000.0E	317.3
		4.0E	317.6	5000.0E	320.4	4.0E	377.1	5000.0E	377.2
		4.0E	394.5	5000.0E	396.4	4.0E	410.9	5000.0E	474.3
		2.0E	495.0	5000.0E	1200.0				
130.0	934.17	4.0E	175.1	2.0E	326.8	4.0E	327.2	5000.0E	330.2
		4.0E	440.6	5000.0E	487.4	2.0E	496.6	5000.0E	1200.0
135.0	935.20	4.0E	170.6	2.0E	467.0	5000.0E	491.8	4.0E	492.0
		5000.0E	519.4	4.0E	530.0	5000.0E	1200.0		
140.0	935.67	4.0E	167.4	2.0E	484.4	4.0E	586.5	5000.0E	1200.0
145.0	935.84	4.0E	163.4	2.0E	533.1	4.0E	541.8	5000.0E	544.0
		4.0E	572.4	5000.0E	580.3	4.0E	649.8	5000.0E	1200.0

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
 (Page 3 of 3)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E – map data; M – measurement data.							
150.0	935.87	4.0E	158.5	2.0E	576.6	4.0E	614.7	5000.0E	624.0
		4.0E	647.6	5000.0E	652.9	4.0E	657.1	5000.0E	672.0
		4.0E	689.6	5000.0E	1200.0				
155.0	935.87	4.0E	154.3	2.0E	592.5	4.0E	680.9	5000.0E	1200.0
160.0	935.87	4.0E	149.9	2.0E	567.2	4.0E	694.3	5000.0E	1200.0
165.0	935.80	4.0E	70.3	2.0E	71.9	4.0E	146.9	2.0E	389.4
		4.0E	498.7	2.0E	519.9	4.0E	583.4	2.0E	634.2
		4.0E	734.2	5000.0E	1200.0				
170.0	935.53	4.0E	62.5	2.0E	76.3	4.0E	145.1	2.0E	365.7
		4.0E	535.8	2.0E	648.0	4.0E	738.2	5000.0E	1200.0
175.0	934.87	4.0E	58.9	2.0E	81.9	4.0E	142.8	2.0E	390.8
		4.0E	551.8	2.0E	666.5	4.0E	812.4	5000.0E	1200.0
180.0	933.55	4.0E	57.0	2.0E	89.1	4.0E	140.9	2.0E	482.6
		4.0E	587.8	2.0E	687.8	4.0E	860.6	5000.0E	1200.0
185.0	931.24	4.0E	55.7	2.0E	98.5	4.0E	139.1	2.0E	545.9
		4.0E	643.4	2.0E	716.3	4.0E	902.3	8.0E	921.5
		5000.0E	1177.2	8.0E	1183.3	2.0E	1200.0		
190.0	927.59	4.0E	56.0	2.0E	111.0	4.0E	135.1	2.0E	610.5
		4.0E	708.9	2.0E	808.4	4.0E	1123.3	2.0E	1200.0
195.0	922.22	4.0E	56.7	2.0E	644.3	4.0E	1035.3	2.0E	1197.9
		4.0E	1200.0						
200.0	914.75	4.0E	57.9	2.0E	368.2	4.0E	440.1	2.0E	674.7
		4.0E	1107.9	2.0E	1172.3	1.0E	1200.0		
205.0	904.80	4.0E	61.7	2.0E	392.3	4.0E	495.5	2.0E	756.5
		4.0E	799.1	1.0E	822.6	4.0E	1168.0	1.0E	1200.0
210.0	892.04	4.0E	67.2	2.0E	428.7	4.0E	516.6	2.0E	946.2
		4.0E	1163.2	1.0E	1200.0				
215.0	876.17	4.0E	74.7	2.0E	473.2	4.0E	482.1	2.0E	689.0
		4.0E	804.8	2.0E	959.0	4.0E	1053.7	8.0E	1193.1
		1.0E	1200.0						
220.0	856.98	4.0E	85.0	2.0E	937.2	4.0E	1020.4	2.0E	1200.0
225.0	834.35	4.0E	99.4	2.0E	608.6	4.0E	973.5	2.0E	1177.7
		4.0E	1200.0						
230.0	808.23	4.0E	117.2	2.0E	403.5	8.0E	508.8	2.0E	529.8
		4.0E	989.0	2.0E	1124.6	8.0E	1200.0		
235.0	778.71	4.0E	137.5	2.0E	370.0	8.0E	457.8	4.0E	986.6
		8.0E	1200.0						
240.0	745.97	4.0E	159.6	2.0E	344.1	8.0E	465.7	4.0E	950.7
		8.0E	1195.2	4.0E	1200.0				
245.0	710.29	4.0E	181.4	2.0E	315.8	8.0E	514.6	4.0E	632.3
		8.0E	816.0	4.0E	891.2	8.0E	1200.0		
250.0	672.05	4.0E	166.9	8.0E	1200.0				

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
 (Page 1 of 2)

CANONSBURG, PA

Call: WWCS

Coordinates: N 40 17 22 W 80 11 7

Frequency: 540 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.025	.500
-----	-----	-----	-----
.0	232.28	356.25	97.75
5.0	257.98	366.89	99.62
10.0	287.56	355.48	97.85
15.0	320.66	292.76	99.37
20.0	356.83	294.25	101.33
25.0	395.56	295.57	103.59
30.0	436.30	304.09	106.07
35.0	478.44	311.99	108.72
40.0	521.34	319.09	111.46
45.0	564.34	325.34	114.28
50.0	606.80	330.28	117.11
55.0	648.09	334.04	119.82
60.0	687.62	337.10	122.56
65.0	724.89	338.17	125.32
70.0	759.44	337.43	128.13
75.0	790.92	349.65	130.95
80.0	819.09	358.28	133.90
85.0	843.82	372.50	137.33
90.0	865.06	385.05	142.56
95.0	882.90	397.44	153.64
100.0	897.50	402.85	155.29
105.0	909.10	396.68	156.05
110.0	918.02	412.34	156.63
115.0	924.60	402.96	157.06
120.0	929.23	401.16	157.35
125.0	932.30	395.03	157.55
130.0	934.17	390.09	157.67
135.0	935.20	380.05	157.74
140.0	935.67	379.35	157.77
145.0	935.84	378.39	157.78
150.0	935.87	377.19	157.78
155.0	935.87	376.13	156.90
160.0	935.87	375.01	155.79
165.0	935.80	373.59	154.37
170.0	935.53	368.72	149.14
175.0	934.87	364.23	145.06

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
 (Page 2 of 2)

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.025	.500
-----	-----	-----	-----
180.0	933.55	360.36	141.26
185.0	931.24	356.11	136.51
190.0	927.59	351.12	131.47
195.0	922.22	344.65	126.21
200.0	914.75	344.28	126.26
205.0	904.80	344.56	127.12
210.0	892.04	345.11	128.42
215.0	876.17	346.00	130.24
220.0	856.98	347.34	132.74
225.0	834.35	349.51	136.29
230.0	808.23	351.91	140.40
235.0	778.71	354.03	144.56
240.0	745.97	359.10	144.62
245.0	710.29	368.76	141.88
250.0	672.05	434.49	138.85
255.0	631.75	441.56	137.14

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
 (Page 1 of 3)

Call: WWCS (CP)

CANONSBURG

Coordinates: N 40 17 22 , PA W 80 11 7

Frequency: 540 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	214.73	4.0E	74.9	8.0E	168.1	4.0E	200.9	8.0E	229.9
		10.0E	250.7	4.0E	252.7	10.0E	276.7	20.0E	332.4
		4.0E	467.2	10.0E	551.2	1.0E	559.4	10.0E	561.7
		1.0E	563.9	10.0E	565.0	1.0E	572.5	2.0E	913.4
5.0	234.45	4.0E	83.1	8.0E	166.3	4.0E	212.9	8.0E	239.6
		10.0E	282.6	20.0E	343.9	10.0E	387.6	6.0E	401.1
		4.0E	499.8	1.0E	603.2	2.0E	919.5	6.0E	1012.7
10.0	257.52	4.0E	96.9	2.0E	104.1	8.0E	165.7	4.0E	225.4
		8.0E	254.0	10.0E	289.5	20.0E	328.6	15.0E	379.0
		6.0E	501.3	1.0E	653.3	2.0E	932.1	6.0E	994.0
15.0	283.67	4.0E	91.8	2.0E	173.7	4.0E	225.1	8.0E	276.3
		10.0E	297.8	20.0E	343.9	15.0E	345.8	8.0E	369.5
		15.0E	410.4	6.0E	508.3	1.0E	683.8	2.0E	931.0
20.0	312.57	4.0E	87.9	2.0E	181.6	4.0E	248.6	8.0E	390.8
		15.0E	432.6	6.0E	494.2	4.0E	524.0	1.0E	638.4
		4.0E	680.6	2.0E	889.7	2.0E	1200.0		
25.0	343.79	4.0E	84.9	2.0E	182.9	4.0E	306.1	8.0E	407.8
		15.0E	458.5	4.0E	561.4	1.0E	619.4	4.0E	696.3
		2.0E	894.1	2.0E	1200.0				
30.0	376.86	4.0E	82.7	2.0E	184.7	4.0E	322.7	8.0E	427.4
		15.0E	469.0	4.0E	497.0	15.0E	500.3	10.0E	505.6
		15.0E	507.1	4.0E	714.8	2.0E	936.5	2.0E	1200.0
35.0	411.25	4.0E	81.2	2.0E	188.1	4.0E	327.4	8.0E	368.7
		4.0E	411.9	8.0E	454.8	15.0E	535.5	4.0E	536.1
		15.0E	554.4	10.0E	740.9	4.0E	761.1	2.0E	1105.2
40.0	446.41	2.0E	1200.0						
		4.0E	80.4	2.0E	193.7	4.0E	476.7	8.0E	496.7
		4.0E	703.3	10.0E	891.9	6.0E	895.6	4.0E	1200.0
45.0	481.78	4.0E	80.2	2.0E	202.4	4.0E	1119.9	1.0E	1184.1
		2.0E	1200.0						
50.0	516.79	4.0E	80.5	2.0E	214.5	4.0E	671.1	2.0E	801.4
		.5E	868.4	4.0E	894.4	.5E	916.9	4.0E	962.5
		1.0E	1229.7						
55.0	550.92	4.0E	81.0	2.0E	230.6	4.0E	563.7	2.0E	749.9
		1.0E	752.8	.5E	843.2	1.0E	1168.8	2.0E	1200.0
60.0	583.65	4.0E	82.2	2.0E	250.1	4.0E	648.8	2.0E	686.8
		1.0E	826.8	2.0E	1024.6	5000.0E	1039.5	2.0E	1044.3
		5000.0E	1045.8	2.0E	1121.0	1.0E	1177.5	5000.0E	1181.2
		1.0E	1182.9	5000.0E	1200.0				

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
(Page 2 of 3)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
65.0	614.54	4.0E	84.0	2.0E	281.5	4.0E	641.8	1.0E	818.8
		2.0E	828.3	5000.0E	835.7	2.0E	837.1	5000.0E	840.4
70.0	643.21	4.0E	86.6	2.0E	327.7	4.0E	602.4	1.0E	671.3
75.0	669.35	4.0E	90.0	2.0E	168.5	4.0E	209.8	2.0E	354.6
		4.0E	410.9	2.0E	507.2	4.0E	554.3	1.0E	616.5
80.0	692.77	2.0E	755.3	5000.0E	760.1	2.0E	768.0	5000.0E	768.6
		2.0E	825.2	5000.0E	868.8	2.0E	873.0	5000.0E	1200.0
		4.0E	94.5	2.0E	155.9	4.0E	213.7	2.0E	404.5
		4.0E	451.4	2.0E	500.8	4.0E	553.9	1.0E	556.5
85.0	713.33	5000.0E	653.6	.5E	661.3	5000.0E	1200.0		
		4.0E	101.1	2.0E	146.1	4.0E	210.8	2.0E	311.6
90.0	731.01	4.0E	510.0	5000.0E	1200.0				
		4.0E	110.2	2.0E	137.3	4.0E	206.0	2.0E	283.2
95.0	745.85	4.0E	522.7	5000.0E	1200.0				
		4.0E	123.7	2.0E	125.4	4.0E	200.2	2.0E	270.7
100.0	758.00	4.0E	416.0	5000.0E	422.6	4.0E	517.5	5000.0E	1200.0
		4.0E	195.2	2.0E	259.6	4.0E	399.0	5000.0E	406.0
105.0	767.66	4.0E	498.3	5000.0E	1200.0				
		4.0E	191.0	2.0E	321.2	4.0E	346.9	5000.0E	349.6
110.0	775.09	4.0E	354.7	5000.0E	363.5	4.0E	427.1	5000.0E	471.1
		4.0E	481.8	5000.0E	1200.0				
		4.0E	186.6	2.0E	318.6	4.0E	327.4	5000.0E	331.8
115.0	780.57	4.0E	333.4	5000.0E	360.9	4.0E	365.6	5000.0E	371.8
		4.0E	471.8	5000.0E	1200.0				
		4.0E	182.6	2.0E	312.5	4.0E	350.5	5000.0E	371.5
120.0	784.43	4.0E	421.9	2.0E	488.9	5000.0E	1200.0		
		4.0E	180.1	2.0E	310.0	4.0E	314.5	5000.0E	317.3
		4.0E	368.3	5000.0E	385.8	2.0E	418.3	5000.0E	421.4
		2.0E	427.9	5000.0E	431.1	2.0E	436.6	5000.0E	438.6
125.0	786.99	2.0E	485.6	5000.0E	1200.0				
		4.0E	179.1	2.0E	309.9	4.0E	315.1	5000.0E	317.3
		4.0E	317.6	5000.0E	320.4	4.0E	377.1	5000.0E	377.2
		4.0E	394.5	5000.0E	396.4	4.0E	410.9	5000.0E	474.3
130.0	788.55	2.0E	495.0	5000.0E	1200.0				
		4.0E	175.1	2.0E	326.8	4.0E	327.2	5000.0E	330.2
135.0	789.40	4.0E	440.6	5000.0E	487.4	2.0E	496.6	5000.0E	1200.0
		4.0E	170.6	2.0E	467.0	5000.0E	491.8	4.0E	492.0
140.0	789.80	5000.0E	519.4	4.0E	530.0	5000.0E	1200.0		
145.0	789.93	4.0E	167.4	2.0E	484.4	4.0E	586.5	5000.0E	1200.0
		4.0E	163.4	2.0E	533.1	4.0E	541.8	5000.0E	544.0
150.0	789.96	4.0E	572.4	5000.0E	580.3	4.0E	649.8	5000.0E	1200.0
		4.0E	158.5	2.0E	576.6	4.0E	614.7	5000.0E	624.0
		4.0E	647.6	5000.0E	652.9	4.0E	657.1	5000.0E	672.0
		4.0E	689.6	5000.0E	1200.0				

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
(Page 3 of 3)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
155.0	789.96	4.0E	154.3	2.0E	592.5	4.0E	680.9	5000.0E	1200.0
160.0	789.96	4.0E	149.9	2.0E	567.2	4.0E	694.3	5000.0E	1200.0
165.0	789.90	4.0E	70.3	2.0E	71.9	4.0E	146.9	2.0E	389.4
		4.0E	498.7	2.0E	519.9	4.0E	583.4	2.0E	634.2
		4.0E	734.2	5000.0E	1200.0				
170.0	789.68	4.0E	62.5	2.0E	76.3	4.0E	145.1	2.0E	365.7
		4.0E	535.8	2.0E	648.0	4.0E	738.2	5000.0E	1200.0
175.0	789.13	4.0E	58.9	2.0E	81.9	4.0E	142.8	2.0E	390.8
		4.0E	551.8	2.0E	666.5	4.0E	812.4	5000.0E	1200.0
180.0	788.02	4.0E	57.0	2.0E	89.1	4.0E	140.9	2.0E	482.6
		4.0E	587.8	2.0E	687.8	4.0E	860.6	5000.0E	1200.0
185.0	786.10	4.0E	55.7	2.0E	98.5	4.0E	139.1	2.0E	545.9
		4.0E	643.4	2.0E	716.3	4.0E	902.3	8.0E	921.5
		5000.0E	1177.2	8.0E	1183.3	2.0E	1200.0		
190.0	783.06	4.0E	56.0	2.0E	111.0	4.0E	135.1	2.0E	610.5
		4.0E	708.9	2.0E	808.4	4.0E	1123.3	2.0E	1200.0
195.0	778.59	4.0E	56.7	2.0E	644.3	4.0E	1035.3	2.0E	1197.9
		4.0E	1200.0						
200.0	772.37	4.0E	57.9	2.0E	368.2	4.0E	440.1	2.0E	674.7
		4.0E	1107.9	2.0E	1172.3	1.0E	1200.0		
205.0	764.08	4.0E	61.7	2.0E	392.3	4.0E	495.5	2.0E	756.5
		4.0E	799.1	1.0E	822.6	4.0E	1168.0	1.0E	1200.0
210.0	753.45	4.0E	67.2	2.0E	428.7	4.0E	516.6	2.0E	946.2
		4.0E	1163.2	1.0E	1200.0				
215.0	740.25	4.0E	74.7	2.0E	473.2	4.0E	482.1	2.0E	689.0
		4.0E	804.8	2.0E	959.0	4.0E	1053.7	8.0E	1193.1
		1.0E	1200.0						
220.0	724.28	4.0E	85.0	2.0E	937.2	4.0E	1020.4	2.0E	1200.0
225.0	705.45	4.0E	99.4	2.0E	608.6	4.0E	973.5	2.0E	1177.7
		4.0E	1200.0						
230.0	683.74	4.0E	117.2	2.0E	403.5	8.0E	508.8	2.0E	529.8
		4.0E	989.0	2.0E	1124.6	8.0E	1200.0		
235.0	659.21	4.0E	137.5	2.0E	370.0	8.0E	457.8	4.0E	986.6
		8.0E	1200.0						
240.0	632.03	4.0E	159.6	2.0E	344.1	8.0E	465.7	4.0E	950.7
		8.0E	1195.2	4.0E	1200.0				
245.0	602.43	4.0E	181.4	2.0E	315.8	8.0E	514.6	4.0E	632.3
		8.0E	816.0	4.0E	891.2	8.0E	1200.0		
250.0	570.75	4.0E	166.9	8.0E	1200.0				
255.0	537.41	4.0E	131.9	8.0E	1200.0				
260.0	502.87	4.0E	110.5	8.0E	797.6	15.0E	930.5	8.0E	1200.0

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE AUTHORIZED DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
 (Page 1 of 2)

CANONSBURG, PA

Call: WWCS (CP)

Coordinates: N 40 17 22 W 80 11 7

Frequency: 540 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.025	.500
-----	-----	-----	-----
.0	214.73	349.12	93.08
5.0	234.45	355.53	93.76
10.0	257.52	340.26	93.74
15.0	283.67	277.99	95.82
20.0	312.57	279.21	97.34
25.0	343.79	281.85	99.19
30.0	376.86	289.35	101.31
35.0	411.25	296.64	103.63
40.0	446.41	303.32	106.07
45.0	481.78	308.91	108.61
50.0	516.79	313.48	111.20
55.0	550.92	317.02	113.68
60.0	583.65	319.85	116.19
65.0	614.54	320.54	118.75
70.0	643.21	320.56	121.37
75.0	669.35	333.85	124.07
80.0	692.77	342.25	126.92
85.0	713.33	354.43	130.25
90.0	731.01	366.93	134.06
95.0	745.85	379.25	143.95
100.0	758.00	382.49	145.52
105.0	767.66	378.31	146.23
110.0	775.09	393.90	146.77
115.0	780.57	384.48	147.17
120.0	784.43	383.29	147.45
125.0	786.99	376.12	147.63
130.0	788.55	371.54	147.74
135.0	789.40	363.68	147.81
140.0	789.80	362.97	147.83
145.0	789.93	362.01	147.84
150.0	789.96	360.81	147.85
155.0	789.96	359.75	147.85
160.0	789.96	358.64	147.85
165.0	789.90	357.21	146.96
170.0	789.68	351.97	140.57
175.0	789.13	347.85	135.88

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE AUTHORIZED DAYTIME OPERATION OF
WWCS, CANONSBURG, PENNSYLVANIA
NOVEMBER 2004
 (Page 2 of 2)

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.025	.500
-----	-----	-----	-----
180.0	788.02	343.98	131.46
185.0	786.10	339.75	126.60
190.0	783.06	334.76	121.57
195.0	778.59	328.31	118.85
200.0	772.37	327.95	118.93
205.0	764.08	328.26	119.83
210.0	753.45	328.85	121.18
215.0	740.25	329.78	123.06
220.0	724.28	331.17	125.62
225.0	705.45	333.41	129.25
230.0	683.74	335.97	133.45
235.0	659.21	338.28	137.73
240.0	632.03	339.95	135.55
245.0	602.43	348.82	133.03
250.0	570.75	414.88	130.21
255.0	537.41	422.07	127.14
260.0	502.87	424.41	130.33
265.0	467.64	422.78	132.03

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED 0.25 kW DAYTIME OPERATION OF
WXNH, JAFFREY, NEW HAMPSHIRE
NOVEMBER 2004
 (Page 1 of 2)

Call: WXNH (CP)
 JAFFREY , NH
 Coordinates: N 42 50 55 W 71 57 53
 Frequency: 540 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
60.0	287.14	1.0E	84.7	2.0E	147.4	5000.0E	226.2	2.0E	226.2
		5000.0E	249.5	2.0E	253.7	5000.0E	354.5	2.0E	360.6
		5000.0E	366.7	2.0E	366.8	5000.0E	370.6	2.0E	372.4
		5000.0E	394.2	2.0E	400.6	5000.0E	412.3	1.0E	417.3
		5000.0E	425.4	1.0E	442.0	5000.0E	884.4		
65.0	277.24	1.0E	83.2	2.0E	124.3	5000.0E	544.8	2.0E	884.4
70.0	264.74	1.0E	80.7	2.0E	94.3	5000.0E	99.2	2.0E	118.5
		5000.0E	489.1	2.0E	884.4				
75.0	249.70	1.0E	78.6	2.0E	93.3	5000.0E	93.7	2.0E	101.6
		5000.0E	105.2	2.0E	109.6	5000.0E	485.7	2.0E	884.4
80.0	232.27	1.0E	76.7	2.0E	100.1	5000.0E	884.4		
85.0	212.71	1.0E	74.3	2.0E	94.7	5000.0E	884.4		
90.0	191.44	1.0E	72.5	2.0E	92.7	5000.0E	884.4		
95.0	169.07	1.0E	71.3	2.0E	93.2	5000.0E	884.4		
100.0	146.46	1.0E	69.8	2.0E	96.5	5000.0E	884.4		
105.0	124.80	1.0E	68.4	2.0E	107.9	5000.0E	884.4		
110.0	105.67	1.0E	65.7	2.0E	96.5	5000.0E	884.4		
115.0	90.95	1.0E	63.4	2.0E	97.9	5000.0E	884.4		
120.0	82.37	1.0E	60.4	2.0E	93.5	5000.0E	167.8	2.0E	182.3
		5000.0E	884.4						
125.0	80.29	1.0E	57.9	2.0E	95.1	5000.0E	114.8	2.0E	122.0
		5000.0E	196.7	2.0E	205.3	5000.0E	884.4		
130.0	82.99	1.0E	56.0	2.0E	140.3	5000.0E	189.1	2.0E	203.4
		5000.0E	884.4						
135.0	87.78	1.0E	54.6	2.0E	188.5	5000.0E	884.4		
140.0	92.30	1.0E	53.7	2.0E	159.8	5000.0E	170.9	2.0E	185.5
		5000.0E	884.4						
145.0	95.10	1.0E	53.0	2.0E	165.2	5000.0E	884.4		
150.0	95.48	1.0E	52.7	2.0E	168.8	5000.0E	884.4		
155.0	93.40	1.0E	52.7	2.0E	141.5	5000.0E	148.7	2.0E	164.9
		5000.0E	884.4						
160.0	89.28	1.0E	53.1	2.0E	137.4	5000.0E	884.4		
165.0	83.96	1.0E	52.3	2.0E	163.6	5000.0E	884.4		
170.0	78.60	1.0E	52.0	2.0E	167.1	5000.0E	884.4		
175.0	74.58	1.0E	52.1	2.0E	169.8	5000.0E	884.4		
180.0	73.12	1.0E	52.6	2.0E	166.9	5000.0E	197.9	.5E	202.3
		5000.0E	884.4						
185.0	74.84	1.0E	53.7	2.0E	171.3	5000.0E	201.3	.5E	212.7
		5000.0E	884.4						

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE AUTHORIZED 0.25 KW DAYTIME OPERATION OF
WXNH, JAFFREY, NEW HAMPSHIRE
NOVEMBER 2004
 (Page 2 of 2)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data: Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
190.0	79.42	1.0E	56.0	2.0E	174.4	5000.0E	193.3	.5E	199.2
		5000.0E	213.1	.5E	222.9	5000.0E	884.4		
195.0	85.87	1.0E	59.1	2.0E	182.5	5000.0E	214.7	.5E	235.8
		5000.0E	884.4						
200.0	93.06	1.0E	64.4	2.0E	187.1	5000.0E	222.2	.5E	248.6
		5000.0E	884.4						
205.0	99.96	1.0E	76.2	2.0E	193.8	5000.0E	229.7	.5E	233.4
		5000.0E	236.2	.5E	263.0	5000.0E	817.8	4.0E	820.7
		5000.0E	840.6	4.0E	858.9	5000.0E	872.5	4.0E	884.4
210.0	105.82	1.0E	97.3	2.0E	175.1	1.0E	219.7	5000.0E	242.4
		4.0E	242.6	5000.0E	247.2	4.0E	249.4	.5E	287.7
		5000.0E	352.4	4.0E	354.0	5000.0E	358.7	4.0E	449.0
		5000.0E	452.8	4.0E	481.5	5000.0E	486.6	4.0E	493.9
		5000.0E	537.0	2.0E	713.8	5000.0E	749.5	4.0E	853.6
		5000.0E	857.7	4.0E	884.4				
215.0	110.07	1.0E	116.5	2.0E	154.0	1.0E	251.0	4.0E	261.0
		5000.0E	270.4	4.0E	273.0	5000.0E	275.8	4.0E	276.5
		5000.0E	279.0	4.0E	288.3	.5E	300.9	5000.0E	322.4
		4.0E	482.9	5000.0E	509.7	4.0E	567.3	2.0E	611.4
		5000.0E	657.0	4.0E	659.2	5000.0E	661.8	4.0E	666.6
		5000.0E	668.6	4.0E	688.9	5000.0E	698.0	2.0E	725.0
		5000.0E	728.2	2.0E	748.5	5000.0E	751.4	2.0E	884.4
220.0	112.37	1.0E	234.4	4.0E	423.0	5000.0E	423.8	4.0E	474.7
		5000.0E	485.4	4.0E	559.8	5000.0E	568.0	4.0E	568.9
		5000.0E	574.0	4.0E	581.5	5000.0E	589.0	4.0E	590.5
		5000.0E	614.7	4.0E	626.8	5000.0E	630.4	4.0E	646.6
		5000.0E	648.5	4.0E	653.6	5000.0E	662.9	4.0E	677.1
		5000.0E	677.7	4.0E	683.6	2.0E	884.4		
225.0	112.48	1.0E	184.5	4.0E	272.0	2.0E	320.8	4.0E	519.9
		5000.0E	523.8	4.0E	531.1	5000.0E	532.5	4.0E	540.0
		5000.0E	541.4	4.0E	545.9	5000.0E	547.0	4.0E	552.2
		5000.0E	557.9	4.0E	617.9	5000.0E	621.1	4.0E	642.5
		5000.0E	644.2	4.0E	659.6	2.0E	884.4		
230.0	110.30	1.0E	142.3	4.0E	256.9	2.0E	327.6	4.0E	539.5
		2.0E	884.4						
235.0	105.83	1.0E	122.0	4.0E	266.4	2.0E	433.7	4.0E	525.7
		2.0E	884.4						
240.0	99.15	1.0E	111.0	4.0E	389.2	2.0E	576.6	4.0E	791.6
		2.0E	884.4						
245.0	90.47	1.0E	102.5	4.0E	410.5	2.0E	534.4	4.0E	611.3
		2.0E	638.5	4.0E	755.7	2.0E	884.4		
250.0	80.13	1.0E	95.9	4.0E	458.2	2.0E	655.2	4.0E	884.4
255.0	68.63	1.0E	90.7	4.0E	520.0	2.0E	677.7	4.0E	730.6
		8.0E	884.4						

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE AUTHORIZED 0.25 kW DAYTIME OPERATION OF
WXNH, JAFFREY, NEW HAMPSHIRE
NOVEMBER 2004
 (Page 1 of 1)

JAFFREY , NH

Call: WXNH (CP)

Coordinates: N 42 50 55 W 71 57 53

Frequency: 540 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.025	.500
70.0	264.74	355.36	44.66
75.0	249.70	367.79	43.49
80.0	232.27	370.67	42.09
85.0	212.71	371.14	40.45
90.0	191.44	355.67	38.55
95.0	169.07	326.96	36.43
100.0	146.46	283.68	34.11
105.0	124.80	211.65	31.67
110.0	105.67	214.73	29.30
115.0	90.95	178.76	27.30
120.0	82.37	169.83	26.05
125.0	80.29	144.44	25.73
130.0	82.99	114.54	26.14
135.0	87.78	118.16	26.85
140.0	92.30	121.36	27.50
145.0	95.10	123.32	27.89
150.0	95.48	123.68	27.94
155.0	93.40	122.39	27.65
160.0	89.28	119.66	27.06
165.0	83.96	116.42	26.28
170.0	78.60	112.88	25.47
175.0	74.58	110.01	24.83
180.0	73.12	108.78	24.60
185.0	74.84	109.66	24.87
190.0	79.42	112.08	25.59
195.0	85.87	115.43	26.57
200.0	93.06	118.35	27.60
205.0	99.96	118.82	28.55
210.0	105.82	116.19	29.32
215.0	110.07	114.21	29.87
220.0	112.37	115.22	30.16
225.0	112.48	115.27	30.17
230.0	110.30	114.31	29.90
235.0	105.83	112.29	29.33
240.0	99.15	109.19	28.44
245.0	90.47	106.46	27.23
250.0	80.13	101.85	25.71
255.0	68.63	94.45	23.85

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
CJSB, OTTAWA, ONTARIO, CANADA
NOVEMBER 2004
 (Page 1 of 1)

Call: CJSB

OTTAWA

, ON

Coordinates: N 45 11 21 W 75 46 46

Frequency: 540 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
100.0	186.87	4.0E	1.2	10.0E	113.7	4.0E	204.5	2.0E	271.3
		.5E	365.1	1.0E	408.9	2.0E	541.0	5000.0E	1200.0
110.0	197.56	4.0E	1.2	10.0E	66.4	4.0E	199.0	2.0E	271.9
		.5E	329.3	1.0E	387.6	2.0E	478.0	5000.0E	1200.0
120.0	418.74	4.0E	1.3	10.0E	59.5	4.0E	199.7	2.0E	299.6
		1.0E	444.8	2.0E	469.7	5000.0E	1200.0		
130.0	668.00	4.0E	1.4	10.0E	54.9	4.0E	209.5	2.0E	317.2
		1.0E	454.0	2.0E	590.9	5000.0E	1200.0		
140.0	852.30	4.0E	1.5	10.0E	54.3	4.0E	223.9	2.0E	311.3
		4.0E	352.3	1.0E	430.1	2.0E	542.3	5000.0E	1200.0
150.0	921.35	4.0E	1.8	10.0E	56.0	4.0E	241.7	2.0E	283.0
		4.0E	408.3	1.0E	458.3	2.0E	499.5	5000.0E	532.8
		.5E	538.0	5000.0E	544.4	.5E	550.7	5000.0E	1200.0
160.0	853.39	4.0E	2.2	10.0E	59.6	4.0E	502.6	5000.0E	509.4
		4.0E	518.7	.5E	539.3	5000.0E	1200.0		
170.0	661.74	4.0E	2.9	10.0E	65.9	4.0E	433.3	2.0E	493.4
		4.0E	650.3	5000.0E	651.2	4.0E	654.7	5000.0E	1200.0
180.0	395.86	4.0E	4.2	10.0E	76.8	4.0E	459.6	2.0E	503.2
		4.0E	732.0	2.0E	789.3	5000.0E	791.3	2.0E	803.3
		5000.0E	820.9	2.0E	821.1	5000.0E	826.9	2.0E	829.3
		5000.0E	830.9	2.0E	855.0	5000.0E	1029.1	4.0E	1067.5
190.0	177.66	4.0E	8.6	10.0E	94.4	4.0E	438.7	2.0E	571.8
		4.0E	625.6	2.0E	734.8	4.0E	769.9	2.0E	1101.8
200.0	275.47	4.0E	48.1	10.0E	104.3	15.0E	118.1	4.0E	133.3
		8.0E	215.1	4.0E	447.3	2.0E	516.1	4.0E	689.6
210.0	426.12	4.0E	77.2	10.0E	125.2	15.0E	203.2	8.0E	242.3
		4.0E	298.1	8.0E	320.0	4.0E	458.6	2.0E	585.3
220.0	467.98	4.0E	117.6	10.0E	153.1	15.0E	154.7	10.0E	155.5
		15.0E	160.4	10.0E	161.2	15.0E	167.4	4.0E	184.1
		15.0E	229.6	8.0E	337.5	4.0E	478.4	2.0E	527.0
		8.0E	646.5	4.0E	792.7	2.0E	1200.0		
230.0	378.43	4.0E	199.3	15.0E	270.8	8.0E	346.2	20.0E	388.8
		10.0E	389.5	20.0E	394.8	10.0E	474.8	8.0E	1121.6
240.0	214.39	4.0E	198.9	6.0E	288.0	15.0E	323.8	6.0E	331.5
		15.0E	354.3	6.0E	356.0	10.0E	385.1	20.0E	417.1
		4.0E	486.6	20.0E	653.4	10.0E	690.4	8.0E	733.1
		15.0E	742.6	8.0E	877.0	15.0E	1031.1	8.0E	1200.0
250.0	381.78	4.0E	197.4	6.0E	316.3	4.0E	402.6	6.0E	509.1
		10.0E	558.3	8.0E	579.2	15.0E	641.3	8.0E	786.4
		2.0E	956.6	8.0E	1072.7	15.0E	1200.0		

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT DAYTIME OPERATION OF
CJSB, OTTAWA, ONTARIO, CANADA
NOVEMBER 2004
 (Page 1 of 1)

OTTAWA , ON

Call: CJSB

Coordinates: N 45 11 21 W 75 46 46

Frequency: 540 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.025	.500
100.0	186.87	277.93	122.56
110.0	197.56	268.13	104.21
120.0	418.74	322.11	132.92
130.0	668.00	362.03	154.62
140.0	852.30	394.88	168.09
150.0	921.35	422.52	173.35
160.0	853.39	428.50	170.26
170.0	661.74	403.67	158.51
180.0	395.86	355.14	137.34
190.0	177.66	287.50	111.61
200.0	275.47	352.92	128.47
210.0	426.12	414.90	149.56
220.0	467.98	411.91	122.10
230.0	378.43	380.52	110.30
240.0	214.39	281.98	86.53
250.0	381.78	340.20	110.70
260.0	859.39	306.95	117.58

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WDDZ, PAWTUCKET, RHODE ISLAND
NOVEMBER 2004
 (Page 1 of 3)

Call: WDDZ
 PAWTUCKET, RI
 Coordinates: N 41 54 20 W 71 23 56
 Frequency: 550 kHz

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
.0	282.00	2.0E	70.7	1.0E	276.1	.5E	372.5	4.0E	602.7
		2.0E	707.1	2.0E	1160.6				
5.0	282.00	2.0E	75.0	1.0E	181.1	2.0E	240.7	1.0E	318.8
		.5E	382.1	4.0E	561.6	5000.0E	580.2	4.0E	658.6
		2.0E	763.0	2.0E	1160.6				
10.0	282.00	2.0E	82.1	1.0E	152.8	2.0E	279.3	1.0E	432.1
		4.0E	437.1	1.0E	441.6	4.0E	637.2	5000.0E	688.1
		4.0E	707.6	2.0E	828.9	2.0E	1160.6		
15.0	282.00	2.0E	311.1	1.0E	640.2	2.0E	747.4	5000.0E	828.2
		2.0E	900.3	2.0E	1160.6				
20.0	282.00	2.0E	141.3	5000.0E	143.9	2.0E	341.8	1.0E	641.9
		2.0E	831.4	5000.0E	1160.6				
25.0	282.00	2.0E	108.3	5000.0E	180.6	2.0E	194.0	5000.0E	202.2
		2.0E	220.3	5000.0E	227.9	2.0E	380.1	1.0E	641.6
		2.0E	913.0	5000.0E	1160.6				
30.0	282.00	2.0E	80.5	5000.0E	81.8	2.0E	99.5	5000.0E	245.5
		2.0E	253.6	5000.0E	259.9	2.0E	439.7	1.0E	555.8
		2.0E	792.0	5000.0E	820.2	2.0E	958.2	5000.0E	1160.6
35.0	282.00	2.0E	53.2	5000.0E	79.2	2.0E	79.6	5000.0E	89.7
		2.0E	101.0	5000.0E	285.2	2.0E	335.9	5000.0E	350.6
		2.0E	354.1	5000.0E	362.5	2.0E	420.9	1.0E	511.2
		2.0E	827.7	5000.0E	1160.6				
40.0	282.00	2.0E	51.9	5000.0E	346.1	2.0E	350.0	5000.0E	377.0
		2.0E	381.4	5000.0E	383.0	2.0E	387.1	5000.0E	388.0
		2.0E	418.1	1.0E	485.8	2.0E	1160.6		
45.0	282.00	2.0E	53.7	5000.0E	423.4	2.0E	427.5	5000.0E	438.1
		1.0E	447.0	5000.0E	449.8	1.0E	471.7	5000.0E	475.3
		1.0E	478.4	5000.0E	510.8	2.0E	704.3	4.0E	1160.6
50.0	282.00	2.0E	60.3	5000.0E	1160.6				
55.0	282.00	2.0E	63.7	5000.0E	525.2	2.0E	1160.6		
60.0	282.00	2.0E	63.3	5000.0E	482.8	2.0E	1160.6		
65.0	282.00	2.0E	63.4	5000.0E	498.9	2.0E	1160.6		
70.0	282.00	2.0E	64.0	5000.0E	1160.6				
75.0	282.00	2.0E	64.4	5000.0E	1160.6				
80.0	282.00	2.0E	59.8	5000.0E	97.5	2.0E	102.9	5000.0E	102.9
		2.0E	106.9	5000.0E	1160.6				

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WDDZ, PAWTUCKET, RHODE ISLAND
NOVEMBER 2004
 (Page 2 of 3)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
85.0	282.00	2.0E	65.2	5000.0E	108.3	2.0E	113.7	5000.0E	1160.6
90.0	282.00	2.0E	71.0	5000.0E	113.7	2.0E	117.7	5000.0E	1160.6
95.0	282.00	2.0E	71.4	5000.0E	114.3	2.0E	121.0	5000.0E	1160.6
100.0	282.00	2.0E	75.8	5000.0E	100.0	2.0E	118.7	5000.0E	1160.6
105.0	282.00	2.0E	108.2	5000.0E	1160.6				
110.0	282.00	2.0E	59.6	5000.0E	67.3	2.0E	86.8	5000.0E	1160.6
115.0	282.00	2.0E	59.9	5000.0E	69.1	2.0E	85.0	5000.0E	1160.6
120.0	282.00	2.0E	59.1	5000.0E	71.6	2.0E	78.2	5000.0E	1160.6
125.0	282.00	2.0E	55.0	5000.0E	1160.6				
130.0	282.00	2.0E	50.9	5000.0E	1160.6				
135.0	282.00	2.0E	54.4	5000.0E	1160.6				
140.0	282.00	2.0E	24.7	5000.0E	28.4	2.0E	55.3	5000.0E	1160.6
145.0	282.00	2.0E	24.7	5000.0E	29.4	2.0E	47.3	5000.0E	51.5
		2.0E	53.3	5000.0E	1160.6				
150.0	282.00	2.0E	26.4	5000.0E	31.4	2.0E	50.8	5000.0E	1160.6
155.0	282.00	2.0E	28.5	5000.0E	37.9	2.0E	50.2	5000.0E	1160.6
160.0	282.00	2.0E	21.8	5000.0E	25.3	2.0E	28.4	5000.0E	48.2
		2.0E	50.1	5000.0E	1160.6				
165.0	282.00	2.0E	19.1	5000.0E	1160.6				
170.0	282.00	2.0E	10.2	5000.0E	1160.6				
175.0	282.00	2.0E	25.1	5000.0E	1160.6				
180.0	282.00	2.0E	24.5	5000.0E	1160.6				
185.0	282.00	2.0E	24.1	5000.0E	26.1	2.0E	35.2	5000.0E	37.5
		2.0E	53.4	5000.0E	1160.6				
190.0	282.00	2.0E	55.2	5000.0E	1160.6				
195.0	282.00	2.0E	61.3	5000.0E	1160.6				
200.0	282.00	1.5M	20.9	1.0M	37.4	.5M	62.5	2.0E	64.8
		5000.0E	1160.6						
205.0	282.00	1.5M	20.9	1.0M	37.4	.5M	62.5	2.0E	69.3
		5000.0E	101.1	.5E	105.3	5000.0E	1160.6		
210.0	282.00	1.5M	20.9	1.0M	37.4	.5M	62.5	2.0E	75.5
		5000.0E	115.9	.5E	120.8	5000.0E	779.3	4.0E	786.3
215.0	282.00	1.5M	20.9	1.0M	37.4	.5M	62.5	2.0E	77.0
		5000.0E	116.3	.5E	136.6	5000.0E	713.4	4.0E	716.5
220.0	282.00	1.5M	20.9	1.0M	37.4	.5M	62.5	2.0E	83.7
		5000.0E	146.2	.5E	158.3	5000.0E	493.2	2.0E	494.9
		5000.0E	503.7	2.0E	595.8	5000.0E	596.1	2.0E	601.6
225.0	282.00	.5M	99.5	5000.0E	142.8	.5E	179.2	5000.0E	333.2
		4.0E	362.3	5000.0E	362.3	4.0E	396.3	5000.0E	397.2
		4.0E	424.6	5000.0E	467.5	4.0E	506.1	2.0E	554.7
230.0	282.00	.5M	99.5	2.0E	102.0	5000.0E	105.4	2.0E	107.4
		5000.0E	160.8	.5E	205.9	5000.0E	289.0	4.0E	438.2
		5000.0E	449.8	4.0E	534.4	5000.0E	539.5	4.0E	540.1

TABULATION OF
AZIMUTH RADIATION AND GROUND CONDUCTIVITIES
FOR THE PRESENT DAYTIME OPERATION OF
WDDZ, PAWTUCKET, RHODE ISLAND
NOVEMBER 2004
 (Page 3 of 3)

Azimuth	Radiation (mV/m at one km)	Ground Conductivity Data:							
		Region conductivity in mS/m followed by distance in km to the end of region. E - map data; M - measurement data.							
235.0	282.00	.5M	99.5	2.0E	122.8	5000.0E	190.8	.5E	248.0
		5000.0E	277.1	4.0E	432.0	5000.0E	437.9	4.0E	512.0
		5000.0E	533.0	4.0E	538.8	5000.0E	540.7	4.0E	547.8
240.0	282.00	.5M	99.5	2.0E	144.9	5000.0E	225.5	4.0E	226.5
		5000.0E	234.0	4.0E	235.5	5000.0E	242.7	4.0E	245.1
		5000.0E	250.0	4.0E	252.8	5000.0E	255.7	4.0E	511.3
245.0	282.00	2.0M	3.1	.5M	11.8	1.0M	21.2	.5M	59.4
		2.0E	147.5	1.0E	214.5	4.0E	271.9	2.0E	292.3
250.0	282.00	2.0M	3.1	.5M	11.8	1.0M	21.2	.5M	59.4
		2.0E	143.1	1.0E	210.8	4.0E	255.4	2.0E	313.7
		4.0E	488.9	2.0E	597.4	4.0E	817.2	2.0E	1153.0
255.0	282.00	2.0M	3.1	.5M	11.8	1.0M	21.2	.5M	59.4
		2.0E	139.7	1.0E	203.0	4.0E	248.3	2.0E	550.9
260.0	282.00	2.0M	3.1	.5M	11.8	1.0M	21.2	.5M	59.4
		2.0E	137.3	1.0E	186.3	4.0E	266.5	2.0E	274.6
265.0	282.00	1.0M	3.2	.5M	26.4	2.0E	133.5	1.0E	170.3
270.0	282.00	1.0M	3.2	.5M	26.4	2.0E	126.8	1.0E	162.2
275.0	282.00	1.0M	3.2	.5M	26.4	2.0E	114.0	1.0E	156.5
280.0	282.00	1.0M	3.2	.5M	26.4	2.0E	101.2	1.0E	152.3
285.0	282.00	1.0M	3.2	.5M	26.4	2.0E	94.1	1.0E	150.7
290.0	282.00	2.0E	89.3	1.0E	151.2	4.0E	477.9	8.0E	478.6
		4.0E	498.2	8.0E	615.5	15.0E	669.1	6.0E	715.0
295.0	282.00	2.0E	86.4	1.0E	152.9	4.0E	449.1	8.0E	479.7
300.0	282.00	2.0E	84.3	1.0E	155.9	4.0E	244.1	2.0E	286.7
		4.0E	451.8	8.0E	475.4	15.0E	506.2	4.0E	509.7
305.0	282.00	2.0E	80.3	1.0E	160.2	4.0E	220.0	2.0E	281.8
310.0	282.00	2.0E	76.3	1.0E	166.0	4.0E	191.6	2.0E	282.1
315.0	282.00	2.0E	72.7	1.0E	173.2	2.0E	287.8	4.0E	453.9
		10.0E	495.5	4.0E	652.0	1.0E	703.6	2.0E	1160.6
320.0	282.00	2.0E	68.7	1.0E	181.9	2.0E	297.3	4.0E	448.8
325.0	282.00	2.0E	65.4	1.0E	193.2	2.0E	312.7	4.0E	425.5
330.0	282.00	2.0E	62.9	1.0E	207.5	2.0E	330.8	4.0E	400.8
		10.0E	477.1	4.0E	502.8	2.0E	864.9	6.0E	944.5
335.0	282.00	2.0E	61.8	1.0E	224.0	2.0E	350.5	4.0E	381.5
		10.0E	445.3	4.0E	477.1	2.0E	694.0	2.0E	1160.6
340.0	282.00	2.0E	62.2	1.0E	239.3	.5E	276.0	2.0E	367.3
		4.0E	401.1	10.0E	460.5	4.0E	493.9	2.0E	655.8
345.0	282.00	2.0E	63.2	1.0E	237.9	.5E	314.4	2.0E	357.4
		4.0E	418.2	6.0E	440.7	10.0E	486.0	4.0E	517.2
350.0	282.00	2.0E	64.9	1.0E	246.6	.5E	350.7	4.0E	427.2
		6.0E	498.8	4.0E	541.0	2.0E	645.6	2.0E	1160.6
355.0	282.00	2.0E	67.4	1.0E	258.0	.5E	347.1	4.0E	444.9
		6.0E	525.4	4.0E	567.2	2.0E	669.0	2.0E	1160.6

Engineering Exhibit of WLIE, Islip, New York

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT DAYTIME OPERATION OF
WDDZ, PAWTUCKET, RHODE ISLAND
NOVEMBER 2004
 (Page 1 of 2)

PAWTUCKET, RI

Call: WDDZ

Coordinates: N 41 54 20 W 71 23 56

Frequency: 550 kHz Number of contours: 2

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.500	.250
-----	-----	-----	-----
.0	282.00	65.97	84.00
5.0	282.00	65.97	85.10
10.0	282.00	65.97	86.88
15.0	282.00	65.97	88.43
20.0	282.00	65.97	88.43
25.0	282.00	65.97	88.43
30.0	282.00	65.97	89.50
35.0	282.00	96.83	212.10
40.0	282.00	147.91	286.39
45.0	282.00	137.27	275.74
50.0	282.00	98.15	236.62
55.0	282.00	78.82	217.30
60.0	282.00	80.94	219.42
65.0	282.00	80.30	218.78
70.0	282.00	76.97	215.44
75.0	282.00	74.91	213.38
80.0	282.00	98.08	188.43
85.0	282.00	70.38	180.20
90.0	282.00	65.97	156.45
95.0	282.00	65.97	141.08
100.0	282.00	65.97	108.69
105.0	282.00	65.97	88.43
110.0	282.00	72.56	134.48
115.0	282.00	73.81	151.52
120.0	282.00	76.62	206.34
125.0	282.00	129.86	268.34
130.0	282.00	154.07	292.54
135.0	282.00	133.44	271.91
140.0	282.00	148.35	286.83
145.0	282.00	190.41	328.89
150.0	282.00	182.76	321.24
155.0	282.00	210.28	348.76
160.0	282.00	279.96	418.44
165.0	282.00	307.71	446.18
170.0	282.00	326.01	464.48
175.0	282.00	288.05	426.52

TABULATION OF
COMPUTED DISTANCE TO CONTOURS
FOR THE PRESENT DAYTIME OPERATION OF
WDDZ, PAWTUCKET, RHODE ISLAND
NOVEMBER 2004
 (Page 1 of 2)

Azimuth	Radiation (mV/m at one km)	Distances to Contours in Kilometers :	
		Contour levels in mV/m.	
		.500	.250
180.0	282.00	290.21	428.68
185.0	282.00	163.69	302.16
190.0	282.00	128.42	266.89
195.0	282.00	92.50	230.98
200.0	282.00	40.14	48.63
205.0	282.00	40.14	48.63
210.0	282.00	40.14	48.63
215.0	282.00	40.14	48.63
220.0	282.00	40.14	48.63
225.0	282.00	34.91	48.40
230.0	282.00	34.91	48.40
235.0	282.00	34.91	48.40
240.0	282.00	34.91	48.40
245.0	282.00	34.91	48.40
250.0	282.00	34.91	48.40
255.0	282.00	34.91	48.40
260.0	282.00	34.91	48.40
265.0	282.00	41.34	63.80
270.0	282.00	41.34	63.80
275.0	282.00	41.34	63.80
280.0	282.00	41.34	63.80
285.0	282.00	41.34	63.80
290.0	282.00	65.97	88.43
295.0	282.00	65.97	87.94
300.0	282.00	65.97	87.41
305.0	282.00	65.97	86.44
310.0	282.00	65.97	85.43
315.0	282.00	65.97	84.49
320.0	282.00	65.97	83.46
325.0	282.00	65.83	82.59
330.0	282.00	65.14	81.90
335.0	282.00	64.83	81.59
340.0	282.00	64.96	81.72
345.0	282.00	65.23	81.99
350.0	282.00	65.68	82.44
355.0	282.00	65.97	83.12