

PROPOSED WPLX CONDUCTIVITY

FIGURE 9A PAGE 1

WPLX - Germantown, TN Proposed: 1180 kHz 10 kW DA-D & CH

GROUND CONDUCTIVITY REPORT

Lat : 34-55-30.0 N
Lon : 89-40-57.0 W
Radius : 700

0 deg:	375.94,	8.0	611.12,	15.0	700.00,	8.0		
5 deg:	419.53,	8.0	667.68,	15.0	700.00,	8.0		
10 deg:	535.81,	8.0	700.00,	15.0				
15 deg:	122.15,	8.0	257.75,	4.0	700.00,	8.0		
20 deg:	95.47,	8.0	255.98,	4.0	700.00,	8.0		
25 deg:	81.79,	8.0	243.12,	4.0	700.00,	8.0		
30 deg:	71.72,	8.0	233.43,	4.0	674.45,	8.0	700.00,	15.0
35 deg:	65.08,	8.0	239.06,	4.0	700.00,	8.0		
40 deg:	61.95,	8.0	258.32,	4.0	407.08,	8.0	509.90,	4.0
	700.00,	8.0						
45 deg:	58.88,	8.0	523.01,	4.0	700.00,	8.0		
50 deg:	57.03,	8.0	566.62,	4.0	687.66,	8.0	700.00,	2.0
55 deg:	54.71,	8.0	556.95,	4.0	640.41,	8.0	700.00,	2.0
60 deg:	53.55,	8.0	500.03,	4.0	548.93,	2.0	585.37,	8.0
	700.00,	2.0						
65 deg:	53.15,	8.0	464.51,	4.0	700.00,	2.0		
70 deg:	52.46,	8.0	448.43,	4.0	609.37,	2.0	700.00,	4.0
75 deg:	53.17,	8.0	406.81,	4.0	616.69,	2.0	673.46,	4.0
	674.37,	2.0	675.10,	4.0	700.00,	2.0		
80 deg:	53.76,	8.0	350.02,	4.0	700.00,	2.0		
85 deg:	54.54,	8.0	314.40,	4.0	418.18,	2.0	464.40,	4.0
	700.00,	2.0						
90 deg:	56.09,	8.0	291.06,	4.0	394.15,	2.0	474.37,	4.0
	700.00,	2.0						
95 deg:	56.81,	8.0	272.17,	4.0	376.85,	2.0	456.19,	4.0
	588.68,	2.0	700.00,	4.0				
100 deg:	59.15,	8.0	257.67,	4.0	360.13,	2.0	412.58,	4.0
	508.67,	2.0	543.27,	1.0	548.94,	2.0	700.00,	4.0
105 deg:	61.75,	8.0	246.96,	4.0	343.14,	2.0	390.25,	4.0
	507.18,	2.0	550.74,	1.0	695.91,	4.0	700.00,	2.0
110 deg:	64.46,	8.0	246.74,	4.0	327.35,	2.0	376.68,	4.0
	511.81,	2.0	700.00,	4.0				
115 deg:	67.64,	8.0	269.56,	4.0	316.42,	2.0	368.93,	4.0
	516.56,	2.0	700.00,	4.0				
120 deg:	72.06,	8.0	166.11,	4.0	166.77,	2.0	189.41,	4.0
	190.07,	2.0	381.83,	4.0	458.40,	2.0	700.00,	4.0
125 deg:	75.99,	8.0	123.64,	4.0	254.15,	2.0	687.34,	4.0
	700.00,	2.0						
130 deg:	81.22,	8.0	108.27,	4.0	294.59,	2.0	428.72,	4.0
	474.57,	8.0	686.84,	4.0	700.00,	2.0		
135 deg:	88.56,	8.0	95.08,	4.0	95.62,	2.0	96.82,	4.0
	327.65,	2.0	402.42,	4.0	490.48,	8.0	656.13,	4.0
	2.0							698.77,
	700.00,	1.0						
140 deg:	94.44,	8.0	356.06,	2.0	378.61,	4.0	508.54,	8.0
	590.00,	4.0	700.00,	1.0				
145 deg:	101.19,	8.0	381.18,	2.0	505.63,	8.0	633.34,	1.0
	700.00,	5000.0						
150 deg:	107.54,	8.0	406.41,	2.0	470.02,	8.0	574.47,	1.0
	700.00,	5000.0						
155 deg:	115.20,	8.0	436.58,	2.0	444.64,	8.0	552.02,	1.0
	700.00,	5000.0						
160 deg:	124.66,	8.0	491.19,	2.0	544.12,	1.0	552.92,	2.0
	700.00,	5000.0						
165 deg:	137.30,	8.0	522.94,	2.0	700.00,	5000.0		
170 deg:	155.60,	8.0	278.18,	2.0	354.70,	4.0	517.78,	2.0
	700.00,	5000.0						
175 deg:	183.44,	8.0	273.21,	2.0	411.16,	4.0	513.01,	2.0
	635.31,	5000.0	651.85,	15.0	700.00,	5000.0		
180 deg:	260.19,	8.0	273.16,	2.0	508.34,	4.0	538.91,	2.0
	561.12,	5000.0	589.84,	15.0	600.93,	5000.0	625.02,	15.0
							700.00,	

PROPOSED WPLX CONDUCTIVITY

FIGURE 9A PAGE 2

WPLX - Germantown, TN

Proposed: 1180 kHz 10 kW DA-D & CH

5000.0									
185 deg:	279.74,	8.0	506.48,	4.0	509.32,	15.0	546.45,	5000.0	
	601.87,	15.0	605.56,	5000.0	635.31,	15.0	636.23,	5000.0	647.38,
15.0									
	700.00,	5000.0							
190 deg:	385.64,	8.0	512.16,	4.0	646.00,	15.0	700.00,	5000.0	
195 deg:	556.69,	8.0	624.75,	15.0	700.00,	5000.0			
200 deg:	569.63,	8.0	617.61,	15.0	700.00,	5000.0			
205 deg:	548.73,	8.0	551.17,	15.0	591.54,	8.0	616.18,	15.0	
	654.06,	30.0	700.00,	5000.0					
210 deg:	525.25,	8.0	593.32,	15.0	602.03,	8.0	659.64,	30.0	
	700.00,	5000.0							
215 deg:	408.03,	8.0	478.06,	4.0	498.08,	8.0	565.66,	15.0	
	657.64,	8.0	700.00,	30.0					
220 deg:	359.70,	8.0	459.74,	4.0	527.53,	15.0	683.99,	8.0	
	700.00,	30.0							
225 deg:	288.32,	8.0	426.51,	4.0	492.91,	15.0	700.00,	8.0	
230 deg:	239.14,	8.0	400.02,	4.0	473.36,	15.0	560.84,	8.0	
	592.13,	4.0	672.96,	8.0	700.00,	4.0			
235 deg:	206.54,	8.0	380.39,	4.0	465.57,	15.0	583.02,	8.0	
	700.00,	4.0							
240 deg:	186.48,	8.0	396.78,	4.0	448.70,	15.0	642.27,	8.0	
	700.00,	4.0							
245 deg:	179.78,	8.0	435.88,	4.0	665.94,	8.0	700.00,	30.0	
250 deg:	176.86,	8.0	500.02,	4.0	594.79,	8.0	700.00,	30.0	
255 deg:	176.25,	8.0	542.92,	4.0	700.00,	30.0			
260 deg:	177.82,	8.0	424.20,	4.0	466.54,	15.0	514.11,	4.0	
	660.18,	15.0	700.00,	30.0					
265 deg:	184.44,	8.0	393.86,	4.0	664.67,	15.0	700.00,	30.0	
270 deg:	200.75,	8.0	365.20,	4.0	651.52,	15.0	700.00,	30.0	
275 deg:	247.84,	8.0	346.28,	4.0	692.39,	15.0	700.00,	30.0	
280 deg:	352.26,	8.0	398.76,	15.0	402.24,	8.0	403.74,	15.0	
	503.75,	8.0	595.42,	15.0	683.96,	8.0	689.29,	30.0	700.00,
15.0									
285 deg:	519.85,	8.0	594.23,	15.0	670.52,	8.0	700.00,	30.0	
290 deg:	522.59,	8.0	581.65,	15.0	700.00,	30.0			
295 deg:	503.80,	8.0	562.06,	15.0	700.00,	30.0			
300 deg:	506.55,	8.0	591.88,	15.0	700.00,	30.0			
305 deg:	482.48,	8.0	627.20,	15.0	700.00,	30.0			
310 deg:	486.27,	8.0	668.26,	15.0	700.00,	30.0			
315 deg:	490.91,	8.0	700.00,	15.0					
320 deg:	490.79,	8.0	700.00,	15.0					
325 deg:	491.94,	8.0	700.00,	15.0					
330 deg:	496.83,	8.0	700.00,	15.0					
335 deg:	509.40,	8.0	700.00,	15.0					
340 deg:	543.71,	8.0	700.00,	15.0					
345 deg:	567.43,	8.0	700.00,	15.0					
350 deg:	358.47,	8.0	476.30,	15.0	586.71,	8.0	647.11,	15.0	
	700.00,	8.0							
355 deg:	347.40,	8.0	543.70,	15.0	700.00,	8.0			

WHIY CONDUCTIVITY

FIGURE 9B

WHIY - Moulton, AL

Lic: 1190 kHz 2.5 kW-D

Inverse field: 453.0 mv/m

GROUND CONDUCTIVITY REPORT

Lat : 34-28-55.0 N
 Lon : 87-18-04.0 W
 Radius : 500

0 deg:	279.65,	4.0	500.00,	8.0				
10 deg:	421.61,	4.0	500.00,	8.0				
20 deg:	444.68,	4.0	500.00,	8.0				
30 deg:	467.61,	4.0	500.00,	8.0				
40 deg:	329.48,	4.0	411.14,	2.0	489.70,	8.0	500.00,	2.0
50 deg:	277.99,	4.0	500.00,	2.0				
60 deg:	80.49,	4.0	431.36,	2.0	500.00,	4.0		
70 deg:	53.18,	4.0	206.35,	2.0	253.18,	4.0	500.00,	2.0
80 deg:	40.23,	4.0	171.51,	2.0	262.32,	4.0	500.00,	2.0
90 deg:	34.37,	4.0	150.01,	2.0	235.89,	4.0	386.69,	2.0
	500.00,	4.0						
100 deg:	31.06,	4.0	134.29,	2.0	188.27,	4.0	286.09,	2.0
	320.32,	1.0	325.77,	2.0	496.64,	4.0	500.00,	2.0
110 deg:	27.58,	4.0	122.00,	2.0	167.39,	4.0	285.64,	2.0
	326.77,	1.0	486.20,	4.0	500.00,	2.0		
120 deg:	26.34,	4.0	114.36,	2.0	159.66,	4.0	295.63,	2.0
	500.00,	4.0						
130 deg:	27.13,	4.0	109.50,	2.0	159.50,	4.0	279.20,	2.0
	500.00,	4.0						
140 deg:	28.83,	4.0	109.64,	2.0	165.69,	4.0	240.64,	2.0
	496.05,	4.0	500.00,	2.0				
150 deg:	30.92,	4.0	107.56,	2.0	264.77,	4.0	287.10,	8.0
	480.82,	4.0	500.00,	2.0				
160 deg:	37.53,	4.0	77.53,	2.0	250.00,	4.0	337.41,	8.0
	434.30,	4.0	500.00,	1.0				
170 deg:	245.16,	4.0	375.33,	8.0	447.92,	1.0	450.02,	5000.0
	452.76,	1.0	461.25,	5000.0	464.12,	1.0	500.00,	5000.0
180 deg:	130.57,	4.0	250.93,	2.0	360.19,	8.0	460.19,	1.0
	500.00,	5000.0						
190 deg:	94.23,	4.0	468.82,	2.0	500.00,	5000.0		
200 deg:	81.54,	4.0	485.19,	2.0	500.00,	5000.0		
210 deg:	74.60,	4.0	303.19,	2.0	500.00,	4.0		
220 deg:	72.85,	4.0	289.49,	2.0	500.00,	4.0		
230 deg:	72.45,	4.0	284.57,	2.0	500.00,	8.0		
240 deg:	78.65,	4.0	231.76,	2.0	500.00,	8.0		
250 deg:	91.77,	4.0	187.66,	2.0	457.53,	8.0	500.00,	4.0
260 deg:	124.17,	4.0	162.38,	2.0	397.09,	8.0	500.00,	4.0
270 deg:	156.88,	4.0	385.17,	8.0	500.00,	4.0		
280 deg:	159.93,	4.0	478.20,	8.0	479.81,	4.0	481.32,	8.0
	500.00,	4.0						
290 deg:	175.68,	4.0	500.00,	8.0				
300 deg:	205.99,	4.0	500.00,	8.0				
310 deg:	240.87,	4.0	500.00,	8.0				
320 deg:	276.67,	4.0	500.00,	8.0				
330 deg:	321.63,	4.0	464.09,	8.0	500.00,	15.0		
340 deg:	264.86,	4.0	500.00,	8.0				
350 deg:	251.84,	4.0	500.00,	8.0				

WSAF CONDUCTIVITY

FIGURE 9C

WSAF - Trion, GA

Lic: 1180 kHz 5 kW-D

Inverse field: 672.83 mv/m

GROUND CONDUCTIVITY REPORT

Lat : 34-28-22.0 N
 Lon : 85-19-31.0 W
 Radius : 500

0 deg:	48.18,	4.0	146.33,	2.0	407.41,	4.0	500.00,	8.0
10 deg:	68.77,	4.0	171.64,	2.0	187.67,	4.0	310.31,	2.0
	401.82,	4.0	500.00,	8.0				
20 deg:	90.37,	4.0	346.48,	2.0	415.94,	8.0	500.00,	2.0
30 deg:	101.20,	4.0	500.00,	2.0				
40 deg:	103.59,	4.0	296.66,	2.0	353.56,	4.0	500.00,	2.0
50 deg:	101.18,	4.0	276.24,	2.0	451.15,	4.0	500.00,	2.0
60 deg:	90.04,	4.0	500.00,	2.0				
70 deg:	78.24,	4.0	473.46,	2.0	500.00,	4.0		
80 deg:	64.61,	4.0	382.86,	2.0	490.46,	4.0	500.00,	2.0
90 deg:	55.35,	4.0	214.51,	2.0	398.97,	4.0	500.00,	2.0
100 deg:	46.44,	4.0	173.46,	2.0	343.10,	4.0	400.75,	2.0
	500.00,	4.0						
110 deg:	38.91,	4.0	112.40,	2.0	138.64,	1.0	154.98,	2.0
	313.20,	4.0	371.80,	2.0	500.00,	4.0		
120 deg:	32.84,	4.0	113.22,	2.0	158.99,	1.0	307.25,	4.0
	363.84,	2.0	473.00,	4.0	491.03,	8.0	500.00,	5000.0
130 deg:	30.08,	4.0	119.55,	2.0	167.21,	1.0	484.25,	4.0
	496.87,	8.0	500.00,	5000.0				
140 deg:	28.83,	4.0	132.55,	2.0	177.78,	1.0	500.00,	4.0
150 deg:	27.75,	4.0	154.38,	2.0	156.37,	1.0	385.96,	4.0
	500.00,	2.0						
160 deg:	28.65,	4.0	184.47,	2.0	400.02,	4.0	500.00,	2.0
170 deg:	31.95,	4.0	183.78,	2.0	416.84,	4.0	462.16,	2.0
	500.00,	1.0						
180 deg:	36.13,	4.0	187.06,	2.0	427.80,	4.0	500.00,	1.0
190 deg:	43.17,	4.0	187.57,	2.0	241.38,	4.0	260.31,	8.0
	397.92,	4.0	457.46,	1.0	461.25,	5000.0	468.82,	1.0
	5000.0							500.00,
200 deg:	56.88,	4.0	179.58,	2.0	246.25,	4.0	388.29,	8.0
	471.62,	1.0	480.28,	5000.0	485.19,	1.0	500.00,	5000.0
210 deg:	98.02,	4.0	157.56,	2.0	276.71,	4.0	409.62,	8.0
	496.46,	1.0	500.00,	5000.0				
220 deg:	276.65,	4.0	500.00,	2.0				
230 deg:	233.91,	4.0	459.62,	2.0	500.00,	4.0		
240 deg:	72.15,	4.0	165.05,	2.0	219.14,	4.0	430.71,	2.0
	500.00,	4.0						
250 deg:	46.33,	4.0	173.09,	2.0	221.34,	4.0	421.83,	2.0
	500.00,	8.0						
260 deg:	35.58,	4.0	171.03,	2.0	243.76,	4.0	367.34,	2.0
	500.00,	8.0						
270 deg:	31.32,	4.0	148.89,	2.0	338.22,	4.0	500.00,	8.0
280 deg:	27.88,	4.0	131.58,	2.0	349.05,	4.0	500.00,	8.0
290 deg:	26.84,	4.0	119.37,	2.0	382.27,	4.0	500.00,	8.0
300 deg:	25.66,	4.0	113.11,	2.0	412.53,	4.0	500.00,	8.0
310 deg:	25.92,	4.0	109.98,	2.0	440.53,	4.0	500.00,	8.0
320 deg:	26.40,	4.0	110.77,	2.0	331.85,	4.0	500.00,	8.0
330 deg:	28.11,	4.0	114.23,	2.0	334.58,	4.0	500.00,	8.0
340 deg:	32.64,	4.0	120.62,	2.0	372.80,	4.0	500.00,	8.0
350 deg:	38.60,	4.0	131.02,	2.0	444.27,	4.0	500.00,	8.0

WGAB CONDUCTIVITY

FIGURE 9D

WGAB - Newburg, IN

Lic: 1180 kHz 0.675 kW - D

Inverse field: 281.80 mv/m

GROUND CONDUCTIVITY REPORT

Lat : 37-57-16.0 N
 Lon : 87-25-07.0 W
 Radius : 500

0 deg:	500.00,	8.0					
10 deg:	421.59,	8.0	480.17,	2.0	500.00,	8.0	
20 deg:	252.00,	8.0	278.65,	15.0	425.73,	8.0	500.00,
30 deg:	276.01,	8.0	390.21,	15.0	500.00,	8.0	
40 deg:	325.84,	8.0	403.49,	15.0	489.79,	8.0	500.00,
50 deg:	386.06,	8.0	498.74,	15.0	500.00,	8.0	15.0
60 deg:	500.00,	8.0					
70 deg:	89.36,	8.0	140.65,	4.0	357.43,	8.0	500.00,
80 deg:	78.10,	8.0	167.70,	4.0	332.88,	8.0	500.00,
90 deg:	71.91,	8.0	259.49,	4.0	324.87,	8.0	500.00,
100 deg:	69.21,	8.0	257.38,	4.0	311.91,	8.0	482.63,
	500.00,	4.0					
110 deg:	68.04,	8.0	251.36,	4.0	391.70,	2.0	488.75,
	500.00,	2.0					
120 deg:	69.71,	8.0	257.63,	4.0	500.00,	2.0	
130 deg:	71.32,	8.0	284.90,	4.0	500.00,	2.0	
140 deg:	74.83,	8.0	305.96,	4.0	396.15,	2.0	414.38,
	500.00,	2.0					
150 deg:	80.98,	8.0	308.68,	4.0	386.01,	2.0	458.34,
	500.00,	2.0					
160 deg:	89.36,	8.0	329.48,	4.0	430.41,	2.0	477.54,
	500.00,	2.0					
170 deg:	102.73,	8.0	370.62,	4.0	476.23,	2.0	500.00,
180 deg:	117.60,	8.0	488.91,	4.0	500.00,	2.0	
190 deg:	135.69,	8.0	424.39,	4.0	500.00,	2.0	
200 deg:	151.99,	8.0	427.53,	4.0	460.65,	8.0	461.77,
	462.65,	8.0	500.00,	2.0			
210 deg:	159.81,	8.0	332.00,	4.0	500.00,	8.0	
220 deg:	153.57,	8.0	266.68,	4.0	500.00,	8.0	
230 deg:	150.01,	8.0	205.79,	4.0	500.00,	8.0	
240 deg:	500.00,	8.0					
250 deg:	500.00,	8.0					
260 deg:	500.00,	8.0					
270 deg:	500.00,	8.0					
280 deg:	205.89,	8.0	294.69,	15.0	476.24,	8.0	500.00,
290 deg:	187.54,	8.0	310.47,	15.0	425.56,	8.0	500.00,
300 deg:	179.52,	8.0	310.40,	15.0	416.07,	8.0	500.00,
310 deg:	180.73,	8.0	317.53,	15.0	383.25,	8.0	500.00,
320 deg:	187.71,	8.0	332.12,	15.0	500.00,	8.0	
330 deg:	209.72,	8.0	341.45,	15.0	500.00,	8.0	
340 deg:	253.98,	8.0	359.90,	15.0	500.00,	8.0	
350 deg:	324.46,	8.0	404.69,	15.0	500.00,	8.0	

WJNT CONDUCTIVITY

FIGURE 9E PAGE 1

WJNT - Pearl, MS

Lic: 1180 kHz 50kW-D 10kW-CH 0.5kW DA-N, U

Day inverse field: 2156.68 mv/m

GROUND CONDUCTIVITY REPORT

Lat : 32-17-43.0 N
 Lon : 90-06-54.0 W
 Radius : 700

* Includes measured conductivity data

0 deg:	* 13.00,	3.0	* 30.00,	2.0	* 45.00,	4.0	* 200.00,	3.0
	* 238.00,	2.0	636.13,	8.0	700.00,	15.0		
5 deg:	* 13.00,	3.0	* 30.00,	2.0	* 45.00,	4.0	* 200.00,	3.0
	* 238.00,	2.0	696.56,	8.0	700.00,	15.0		
10 deg:	* 13.00,	3.0	* 30.00,	2.0	* 45.00,	4.0	* 200.00,	3.0
	* 238.00,	2.0	403.79,	8.0	536.75,	4.0	700.00,	8.0
15 deg:	* 40.00,	3.0	* 90.00,	2.0	* 217.00,	1.5	330.80,	8.0
	534.73,	4.0	700.00,	8.0				
20 deg:	* 40.00,	3.0	* 90.00,	2.0	* 217.00,	1.5	289.54,	8.0
	519.98,	4.0	700.00,	8.0				
25 deg:	* 40.00,	3.0	* 90.00,	2.0	* 217.00,	1.5	217.54,	8.0
	218.38,	2.0	219.55,	8.0	221.55,	2.0	222.71,	8.0
	2.0							223.55,
	224.72,	8.0	250.01,	2.0	570.91,	4.0	700.00,	8.0
30 deg:	* 40.00,	3.0	* 90.00,	2.0	* 217.00,	1.5	257.52,	2.0
	700.00,	4.0						
35 deg:	* 40.00,	3.0	* 90.00,	2.0	* 217.00,	1.5	268.30,	2.0
	700.00,	4.0						
40 deg:	15.77,	4.0	71.81,	8.0	276.95,	2.0	700.00,	4.0
45 deg:	18.03,	4.0	63.17,	8.0	284.42,	2.0	648.38,	4.0
	700.00,	2.0						
50 deg:	22.72,	4.0	23.32,	8.0	24.51,	4.0	54.17,	8.0
	287.32,	2.0	371.27,	4.0	700.00,	2.0		
55 deg:	28.80,	4.0	29.44,	8.0	30.61,	4.0	46.80,	8.0
	288.77,	2.0	335.75,	4.0	538.52,	2.0	594.90,	4.0
	2.0							700.00,
60 deg:	40.68,	4.0	41.36,	8.0	288.72,	2.0	339.33,	4.0
	448.36,	2.0	594.54,	4.0	700.00,	2.0		
65 deg:	50.01,	4.0	286.47,	2.0	460.67,	4.0	700.00,	2.0
70 deg:	65.86,	4.0	284.46,	2.0	396.25,	4.0	571.50,	2.0
	608.63,	1.0	634.29,	2.0	635.29,	4.0	636.02,	2.0
	4.0							700.00,
75 deg:	79.10,	4.0	281.25,	2.0	384.96,	4.0	544.32,	2.0
	593.31,	1.0	700.00,	4.0				
80 deg:	100.01,	4.0	276.00,	2.0	408.61,	4.0	521.07,	2.0
	700.00,	4.0						
85 deg:	109.36,	4.0	271.13,	2.0	700.00,	4.0		
90 deg:	114.11,	4.0	265.68,	2.0	407.85,	8.0	700.00,	4.0
95 deg:	115.71,	4.0	258.70,	2.0	397.51,	8.0	700.00,	4.0
100 deg:	115.94,	4.0	254.04,	2.0	387.81,	8.0	608.93,	4.0
	700.00,	2.0						
105 deg:	114.63,	4.0	250.01,	2.0	380.43,	8.0	583.42,	4.0
	700.00,	2.0						
110 deg:	115.20,	4.0	247.24,	2.0	351.82,	8.0	353.29,	1.0
	354.37,	8.0	400.75,	1.0	401.84,	4.0	402.57,	1.0
	4.0							531.14,
	580.45,	2.0	581.18,	1.0	700.00,	2.0		
115 deg:	116.69,	4.0	247.71,	2.0	259.87,	8.0	595.45,	1.0
	700.00,	5000.0						
120 deg:	117.60,	4.0	250.01,	2.0	397.76,	1.0	410.41,	5000.0
	417.12,	1.0	536.22,	5000.0	554.89,	1.0	700.00,	5000.0
125 deg:	120.47,	4.0	257.23,	2.0	345.48,	1.0	360.29,	5000.0
	365.16,	1.0	700.00,	5000.0				
130 deg:	122.23,	4.0	262.70,	2.0	263.91,	5000.0	273.57,	2.0
	330.85,	1.0	700.00,	5000.0				
135 deg:	125.96,	4.0	274.31,	2.0	317.68,	5000.0	321.35,	2.0
	700.00,	5000.0						
140 deg:	130.44,	4.0	278.83,	2.0	700.00,	5000.0		
145 deg:	137.31,	4.0	264.46,	2.0	700.00,	5000.0		
150 deg:	146.78,	4.0	239.27,	2.0	241.67,	5000.0	243.67,	2.0

WJNT CONDUCTIVITY

WJNT - Pearl, MS

Lic: 1180 kHz 50kW-D 10kW-CH 0.5kW DA-N, U

FIGURE 9E PAGE 2

Day inverse field: 2156.68 mv/m

	700.00, 5000.0								
155 deg:	159.22, 4.0	236.63, 2.0	700.00, 5000.0						
160 deg:	173.60, 4.0	234.31, 2.0	700.00, 5000.0						
165 deg:	193.16, 4.0	244.08, 2.0	269.16, 5000.0	274.94, 15.0					
	278.73, 5000.0	284.52, 15.0	342.09, 5000.0	372.04, 15.0	700.00,				
5000.0									
170 deg:	228.22, 4.0	248.85, 2.0	273.51, 5000.0	288.53, 15.0					
	293.23, 5000.0	298.85, 15.0	319.74, 5000.0	323.52, 15.0	328.23,				
5000.0									
	347.04, 15.0	700.00, 5000.0							
175 deg:	223.22, 4.0	230.67, 15.0	241.82, 5000.0	316.68, 15.0					
	700.00, 5000.0								
180 deg:	212.97, 4.0	215.75, 15.0	251.85, 5000.0	308.34, 15.0					
	314.82, 5000.0	332.43, 15.0	338.91, 5000.0	351.85, 15.0	700.00,				
5000.0									
185 deg:	210.23, 4.0	225.07, 15.0	248.35, 5000.0	332.51, 15.0					
	700.00, 5000.0								
190 deg:	213.07, 4.0	358.37, 15.0	700.00, 5000.0						
195 deg:	222.05, 4.0	342.09, 15.0	700.00, 5000.0						
200 deg:	48.30, 4.0	133.40, 8.0	134.54, 4.0	135.42, 8.0					
	245.25, 4.0	246.12, 8.0	327.41, 15.0	328.55, 5000.0	330.30,				
15.0									
	331.44, 5000.0	332.31, 15.0	333.45, 5000.0	334.33, 15.0	700.00,				
5000.0									
205 deg:	32.84, 4.0	271.37, 8.0	328.63, 15.0	700.00, 5000.0					
210 deg:	26.72, 4.0	282.09, 8.0	330.90, 15.0	700.00, 5000.0					
215 deg:	21.61, 4.0	295.82, 8.0	341.45, 15.0	348.31, 5000.0					
	365.71, 15.0	372.57, 30.0	700.00, 5000.0						
220 deg:	19.42, 4.0	319.09, 8.0	345.53, 15.0	388.23, 30.0					
	700.00, 5000.0								
225 deg:	16.83, 4.0	279.19, 8.0	301.23, 15.0	339.58, 8.0					
	400.01, 30.0	700.00, 5000.0							
230 deg:	14.36, 4.0	275.38, 8.0	338.73, 15.0	363.94, 8.0					
	397.30, 30.0	406.70, 5000.0	410.95, 30.0	416.42, 5000.0	430.38,				
30.0									
	700.00, 5000.0								
235 deg:	12.60, 4.0	275.44, 8.0	333.92, 15.0	429.17, 8.0					
	518.28, 30.0	524.38, 5000.0	553.06, 30.0	598.20, 5000.0	667.74,				
30.0									
	700.00, 5000.0								
240 deg:	10.92, 4.0	274.37, 8.0	329.94, 15.0	465.31, 8.0					
	550.00, 30.0	553.03, 5000.0	598.59, 30.0	659.83, 15.0	700.00,				
30.0									
245 deg:	9.38, 4.0	211.26, 8.0	244.76, 4.0	269.32, 8.0					
	325.56, 15.0	523.61, 8.0	541.67, 4.0	675.59, 15.0	700.00,				
30.0									
250 deg:	9.05, 4.0	203.28, 8.0	266.00, 4.0	317.85, 15.0					
	505.13, 8.0	615.80, 4.0	700.00, 15.0						
255 deg:	8.05, 4.0	198.97, 8.0	262.40, 4.0	313.93, 15.0					
	489.93, 8.0	630.91, 4.0	700.00, 15.0						
260 deg:	7.89, 4.0	197.10, 8.0	261.94, 4.0	312.91, 15.0					
	394.37, 8.0	639.96, 4.0	645.57, 15.0	700.00, 30.0					
265 deg: *	32.70, 4.0	194.95, 8.0	260.26, 4.0	318.16, 15.0					
	464.30, 8.0	596.96, 4.0	700.00, 15.0						
270 deg: *	32.70, 4.0	192.31, 8.0	262.55, 4.0	328.24, 15.0					
	567.30, 8.0	610.98, 30.0	700.00, 15.0						
275 deg: *	32.70, 4.0	191.55, 8.0	265.67, 4.0	344.59, 15.0					
	541.41, 8.0	639.83, 30.0	700.00, 15.0						
280 deg: *	32.70, 4.0	190.22, 8.0	271.24, 4.0	356.31, 15.0					
	524.27, 8.0	648.36, 30.0	700.00, 15.0						
285 deg:	6.53, 4.0	187.80, 8.0	280.28, 4.0	331.96, 15.0					
	345.45, 4.0	466.69, 8.0	511.00, 4.0	700.00, 30.0					
290 deg:	5.79, 4.0	186.33, 8.0	503.97, 4.0	543.57, 30.0					
	665.04, 15.0	700.00, 30.0							
295 deg:	6.15, 4.0	185.87, 8.0	506.75, 4.0	676.11, 15.0					
	700.00, 30.0								
300 deg:	5.46, 4.0	186.38, 8.0	435.60, 4.0	700.00, 15.0					

WJNT CONDUCTIVITY

FIGURE 9E PAGE 3

WJNT - Pearl, MS

Lic: 1180 kHz 50kW-D 10kW-CH 0.5kW DA-N, U

Day inverse field: 2156.68 mv/m

305 deg:	4.80,	4.0	188.27,	8.0	437.40,	4.0	673.67,	15.0
	700.00,	8.0						
310 deg:	5.39,	4.0	193.36,	8.0	435.92,	4.0	541.05,	15.0
	602.92,	8.0	697.80,	15.0	700.00,	8.0		
315 deg: *	26.39,	3.0	200.00,	8.0	440.08,	4.0	509.40,	15.0
	646.65,	8.0	700.00,	15.0				
320 deg: *	26.39,	3.0	208.44,	8.0	448.16,	4.0	653.58,	8.0
	700.00,	15.0						
325 deg: *	26.39,	3.0	220.73,	8.0	390.52,	4.0	678.44,	8.0
	700.00,	15.0						
330 deg: *	26.39,	3.0	244.43,	8.0	344.33,	4.0	682.95,	8.0
	700.00,	15.0						
335 deg: *	80.00,	2.0	* 110.00,	1.0	* 208.00,	0.1	700.00,	8.0
340 deg: *	80.00,	2.0	* 110.00,	1.0	* 208.00,	0.1	700.00,	8.0
345 deg: *	80.00,	2.0	* 110.00,	1.0	* 208.00,	0.1	700.00,	8.0
350 deg: *	80.00,	2.0	* 110.00,	1.0	* 208.00,	0.1	700.00,	8.0
355 deg: *	80.00,	2.0	* 110.00,	1.0	* 208.00,	0.1	685.36,	8.0
	700.00,	15.0						

WHAM CONDUCTIVITY

FIGURE 9F

WHAM - Rochester, NY

Lic: 1180 kHz 50 kW, U

Inverse field: 2662.96 mv/m

GROUND CONDUCTIVITY REPORT

Lat : 43-04-55.0 N
 Lon : 77-43-30.0 W
 Radius : 1000.0

0 deg:	56.49,	8.0	104.63,	15.0	184.28,	4.0	345.40,	1.0	
	603.71,	2.0	662.05,	6.0	662.97,	5000.0	1000.00,	15.0	
10 deg:	58.44,	8.0	98.95,	15.0	195.19,	4.0	269.72,	1.0	
	333.87,	4.0	550.00,	2.0	1000.00,	15.0			
20 deg:	60.96,	8.0	103.95,	15.0	329.90,	4.0	526.96,	2.0	
	1000.00,	15.0							
30 deg:	67.21,	8.0	101.13,	15.0	109.89,	4.0	119.44,	15.0	
	128.99,	4.0	134.67,	15.0	175.10,	10.0	350.00,	4.0	567.92,
2.0									
	908.83,	15.0	909.93,	5000.0	1000.00,	15.0			
40 deg:	25.33,	8.0	26.47,	4.0	75.28,	8.0	176.71,	15.0	
	374.64,	10.0	393.63,	4.0	924.90,	2.0	925.33,	15.0	926.41,
2.0									
	1000.00,	15.0							
50 deg:	19.14,	8.0	37.22,	4.0	91.98,	8.0	100.01,	15.0	
	157.06,	8.0	161.40,	4.0	161.92,	8.0	163.02,	4.0	163.53,
8.0									
	164.63,	4.0	165.15,	8.0	340.75,	4.0	496.71,	10.0	624.19,
6.0									
	817.15,	4.0	1000.00,	2.0					
60 deg:	15.42,	8.0	48.31,	4.0	139.95,	8.0	408.72,	4.0	
	451.60,	2.0	652.76,	4.0	875.70,	1.0	1000.00,	2.0	
70 deg:	14.30,	8.0	62.04,	4.0	65.53,	8.0	66.48,	4.0	
	67.11,	8.0	75.03,	4.0	82.01,	8.0	82.95,	4.0	83.58,
8.0									
	340.50,	4.0	436.62,	2.0	551.29,	0.5	671.53,	1.0	672.39,
2.0									
	673.03,	1.0	778.26,	2.0	851.93,	1.0	1000.00,	2.0	
80 deg:	12.99,	8.0	297.39,	4.0	415.45,	2.0	526.20,	1.0	
	616.75,	2.0	639.56,	5000.0	643.56,	2.0	936.04,	5000.0	1000.00,
2.0									
90 deg:	12.86,	8.0	263.55,	4.0	319.68,	2.0	363.53,	4.0	
	366.29,	2.0	368.32,	4.0	392.06,	2.0	542.84,	1.0	561.59,
2.0									
	1000.00,	5000.0							
100 deg:	12.99,	8.0	383.66,	4.0	451.34,	1.0	602.02,	2.0	
	647.12,	5000.0	653.59,	2.0	1000.00,	5000.0			
110 deg:	13.67,	8.0	381.37,	4.0	414.27,	1.0	524.49,	2.0	
	1000.00,	5000.0							
120 deg:	14.26,	8.0	380.66,	4.0	420.11,	1.0	449.20,	5000.0	
	485.27,	0.5	1000.00,	5000.0					
130 deg:	15.89,	8.0	301.15,	4.0	373.55,	2.0	402.81,	4.0	
	409.57,	5000.0	420.28,	0.5	1000.00,	5000.0			
140 deg:	18.05,	8.0	282.87,	4.0	313.94,	2.0	473.37,	4.0	
	1000.00,	5000.0							
150 deg:	22.61,	8.0	256.56,	4.0	313.96,	2.0	409.72,	4.0	
	413.66,	5000.0	511.72,	4.0	1000.00,	5000.0			
160 deg:	28.50,	8.0	209.89,	4.0	305.95,	2.0	416.52,	4.0	
	432.39,	40.0	436.13,	4.0	438.12,	40.0	527.35,	4.0	600.00,
2.0									
	1000.00,	5000.0							
170 deg:	36.65,	8.0	196.95,	4.0	345.05,	2.0	390.35,	4.0	
	445.96,	2.0	516.83,	4.0	519.69,	5000.0	541.31,	4.0	542.22,
5000.0									
	550.00,	4.0	560.30,	5000.0	612.13,	4.0	613.16,	5000.0	614.07,
4.0									
	617.85,	5000.0	644.05,	2.0	645.99,	5000.0	656.52,	2.0	664.07,
5000.0									
	669.68,	2.0	670.59,	5000.0	688.44,	4.0	700.02,	5000.0	700.94,
4.0									
	702.77,	5000.0	782.88,	4.0	800.92,	5000.0	832.85,	4.0	833.77,

KVOO CONDUCTIVITY

FIGURE 96

KVOO - Tulsa, OK

Lic: 1170 kHz 50 kW, DA-N, U

Day inverse field: 2833.38 mv/m

GROUND CONDUCTIVITY REPORT

Lat : 36-08-49.0 N
 Lon : 95-48-27.0 W
 Radius : 700

0 deg:	46.33,	15.0	454.63,	30.0	700.00,	15.0		
10 deg:	56.51,	15.0	153.78,	30.0	700.00,	15.0		
20 deg:	82.54,	15.0	109.99,	30.0	700.00,	15.0		
30 deg:	651.17,	15.0	700.00,	8.0				
40 deg:	647.93,	15.0	700.00,	8.0				
50 deg:	124.91,	15.0	604.54,	8.0	700.00,	15.0		
60 deg:	71.23,	15.0	512.25,	8.0	680.31,	15.0	700.00,	8.0
70 deg:	57.98,	15.0	700.00,	8.0				
80 deg:	52.94,	15.0	602.23,	8.0	652.22,	4.0	700.00,	8.0
90 deg:	50.75,	15.0	582.31,	8.0	700.00,	4.0		
100 deg:	50.75,	15.0	619.53,	8.0	700.00,	4.0		
110 deg:	51.40,	15.0	322.09,	8.0	322.79,	4.0	324.55,	8.0
	325.25,	4.0	327.00,	8.0	328.41,	4.0	329.46,	8.0
4.0								330.86,
	331.91,	8.0	377.78,	4.0	378.83,	8.0	379.53,	4.0
8.0								650.71,
	700.00,	2.0						
120 deg:	55.93,	15.0	160.63,	8.0	239.72,	15.0	464.85,	4.0
	667.95,	8.0	700.00,	2.0				
130 deg:	65.75,	15.0	138.05,	8.0	241.77,	15.0	489.83,	4.0
	683.59,	8.0	700.00,	4.0				
140 deg:	250.02,	15.0	536.58,	4.0	700.00,	8.0		
150 deg:	265.87,	15.0	390.20,	4.0	391.39,	8.0	404.39,	4.0
	569.18,	15.0	606.42,	4.0	700.00,	8.0		
160 deg:	239.29,	15.0	339.33,	4.0	700.00,	8.0		
170 deg:	247.87,	15.0	281.98,	30.0	325.31,	4.0	486.54,	8.0
	542.17,	4.0	680.06,	8.0	700.00,	30.0		
180 deg:	262.97,	15.0	381.50,	30.0	468.53,	8.0	664.83,	4.0
	700.00,	15.0						
190 deg:	283.81,	15.0	450.91,	30.0	562.15,	15.0	594.14,	30.0
	700.00,	15.0						
200 deg:	284.42,	15.0	330.44,	30.0	578.25,	15.0	700.00,	8.0
210 deg:	185.24,	15.0	342.54,	30.0	579.58,	15.0	700.00,	8.0
220 deg:	44.57,	15.0	100.00,	8.0	158.39,	15.0	421.25,	30.0
	557.30,	15.0	700.00,	8.0				
230 deg:	36.12,	15.0	112.86,	8.0	162.32,	15.0	312.41,	30.0
	344.32,	15.0	563.15,	30.0	700.00,	15.0		
240 deg:	30.11,	15.0	121.22,	8.0	176.58,	15.0	185.45,	30.0
	384.46,	15.0	517.33,	30.0	700.00,	15.0		
250 deg:	27.08,	15.0	128.91,	8.0	164.32,	15.0	225.88,	30.0
	429.57,	15.0	601.78,	30.0	700.00,	15.0		
260 deg:	25.86,	15.0	112.87,	8.0	244.40,	30.0	468.52,	15.0
	624.91,	30.0	700.00,	15.0				
270 deg:	24.69,	15.0	103.00,	8.0	274.69,	30.0	372.48,	15.0
	564.30,	30.0	700.00,	15.0				
280 deg:	24.96,	15.0	100.01,	8.0	331.47,	30.0	381.45,	15.0
	533.59,	30.0	700.00,	15.0				
290 deg:	25.34,	15.0	98.87,	8.0	473.70,	30.0	700.00,	15.0
300 deg:	26.56,	15.0	74.09,	8.0	467.01,	30.0	700.00,	15.0
310 deg:	29.09,	15.0	47.69,	8.0	556.25,	30.0	700.00,	15.0
320 deg:	33.80,	15.0	36.18,	8.0	659.76,	30.0	700.00,	15.0
330 deg:	34.27,	15.0	406.64,	30.0	464.38,	15.0	700.00,	30.0
340 deg:	36.56,	15.0	375.83,	30.0	536.83,	15.0	557.95,	30.0
	644.93,	15.0	661.89,	30.0	700.00,	4.0		
350 deg:	40.40,	15.0	388.67,	30.0	500.01,	15.0	592.41,	30.0
	700.00,	15.0						

WHMT CONDUCTIVITY

FIGURE 9H

WHMT - Humboldt, TN

Lic: 1190 kHz 0.420 kW-D

Inverse field: 214.84 mv/m

GROUND CONDUCTIVITY REPORT

Lat : 35-50-41.0 N
 Lon : 88-54-08.0 W
 Radius : 500

0 deg:	147.25,	4.0	363.90,	8.0	500.00,	15.0		
10 deg:	133.87,	4.0	500.00,	8.0				
20 deg:	116.85,	4.0	500.00,	8.0				
30 deg:	109.84,	4.0	500.00,	8.0				
40 deg:	121.86,	4.0	319.81,	8.0	378.49,	4.0	500.00,	8.0
50 deg:	407.46,	4.0	500.00,	8.0				
60 deg:	450.00,	4.0	500.00,	8.0				
70 deg:	382.47,	4.0	500.00,	2.0				
80 deg:	355.20,	4.0	500.00,	2.0				
90 deg:	324.03,	4.0	500.00,	2.0				
100 deg:	274.60,	4.0	359.28,	2.0	402.22,	4.0	500.00,	2.0
110 deg:	250.72,	4.0	336.95,	2.0	411.65,	4.0	500.00,	2.0
120 deg:	239.18,	4.0	329.76,	2.0	375.58,	4.0	482.22,	2.0
	500.00,	1.0						
130 deg:	235.35,	4.0	321.92,	2.0	366.60,	4.0	500.00,	2.0
140 deg:	248.08,	4.0	320.50,	2.0	500.00,	4.0		
150 deg:	446.64,	4.0	500.00,	8.0				
160 deg:	197.29,	4.0	434.23,	2.0	500.00,	8.0		
170 deg:	176.36,	4.0	500.00,	2.0				
180 deg:	171.31,	4.0	397.25,	2.0	411.12,	4.0	500.00,	2.0
190 deg:	99.99,	4.0	255.60,	8.0	380.01,	2.0	500.00,	4.0
200 deg:	76.62,	4.0	500.00,	8.0				
210 deg:	63.02,	4.0	500.00,	8.0				
220 deg:	54.77,	4.0	465.74,	8.0	500.00,	4.0		
230 deg:	47.32,	4.0	305.35,	8.0	500.00,	4.0		
240 deg:	42.56,	4.0	281.47,	8.0	500.00,	4.0		
250 deg:	40.77,	4.0	290.76,	8.0	500.00,	4.0		
260 deg:	39.60,	4.0	363.17,	8.0	423.94,	4.0	500.00,	15.0
270 deg:	39.80,	4.0	500.00,	8.0				
280 deg:	40.31,	4.0	500.00,	8.0				
290 deg:	41.42,	4.0	500.00,	8.0				
300 deg:	44.25,	4.0	485.18,	8.0	500.00,	15.0		
310 deg:	50.01,	4.0	464.86,	8.0	500.00,	15.0		
320 deg:	57.13,	4.0	457.51,	8.0	500.00,	15.0		
330 deg:	68.50,	4.0	491.61,	8.0	500.00,	15.0		
340 deg:	87.43,	4.0	265.94,	8.0	411.93,	15.0	500.00,	8.0
350 deg:	120.71,	4.0	297.03,	8.0	495.17,	15.0	500.00,	8.0

WTCK CONDUCTIVITY

FIGURE 9I

WTCK - Bartlett, TN Lic: 1210 kHz 10kW-D 0.25kW-N, DA-2, U

GROUND CONDUCTIVITY REPORT

Lat : 35-15-40.0 N
Lon : 89-49-50.0 W
Radius : 100

0 deg:	100.00,	8.0		
10 deg:	100.00,	8.0		
20 deg:	100.00,	8.0		
30 deg:	89.83,	8.0	100.00,	4.0
40 deg:	72.67,	8.0	100.00,	4.0
50 deg:	61.68,	8.0	100.00,	4.0
60 deg:	57.08,	8.0	100.00,	4.0
70 deg:	53.88,	8.0	100.00,	4.0
80 deg:	54.49,	8.0	100.00,	4.0
90 deg:	56.06,	8.0	100.00,	4.0
100 deg:	60.77,	8.0	100.00,	4.0
110 deg:	68.62,	8.0	100.00,	4.0
120 deg:	80.89,	8.0	100.00,	4.0
130 deg:	97.04,	8.0	100.00,	4.0
140 deg:	100.00,	8.0		
150 deg:	100.00,	8.0		
160 deg:	100.00,	8.0		
170 deg:	100.00,	8.0		
180 deg:	100.00,	8.0		
190 deg:	100.00,	8.0		
200 deg:	100.00,	8.0		
210 deg:	100.00,	8.0		
220 deg:	100.00,	8.0		
230 deg:	100.00,	8.0		
240 deg:	100.00,	8.0		
250 deg:	100.00,	8.0		
260 deg:	100.00,	8.0		
270 deg:	100.00,	8.0		
280 deg:	100.00,	8.0		
290 deg:	100.00,	8.0		
300 deg:	100.00,	8.0		
310 deg:	100.00,	8.0		
320 deg:	100.00,	8.0		
330 deg:	100.00,	8.0		
340 deg:	100.00,	8.0		
350 deg:	100.00,	8.0		