



402 Tenth Avenue ● PO Box 367 ● Haddon Heights, NJ 08035

Exhibit 16 Figure 3D Page 1

Ground Conductivity Data

Winchester Radio Broadcasters, LLC

Winchester, VA

January 2011

Sources of Measured Conductivity:

Summary of WKHB measured conductivity data

Bearing	Cond.	Dist.	Cond.	Dist.	Cond.	Dist.	Cond.	Dist.
95	4.0	11	3.0	30	1.5	227		
115	1.5	253						
135	1.5	96.4						
155	4.0	6.2	3.0	33	1.0	138		

Note: The above conductivity supporting data supplied in this figure are from BMP-19990521AQ and BMJP-20001023ADZ . All other conductivity data is from Figure M-3.

GROUND CONDUCTIVITY REPORT

Radius : 200

* Includes measured conductivity data

0 deg:	73.50,	4.0	165.23,	2.0	200.43,	4.0		
5 deg:	68.18,	4.0	172.41,	2.0	200.27,	4.0		
10 deg:	63.29,	4.0	172.51,	2.0	199.81,	4.0		
15 deg:	60.71,	4.0	170.30,	2.0	200.01,	4.0		
20 deg:	57.56,	4.0	169.05,	2.0	199.82,	4.0		
25 deg:	54.65,	4.0	169.32,	2.0	200.05,	4.0		
30 deg:	52.67,	4.0	171.28,	2.0	200.20,	4.0		
35 deg:	52.20,	4.0	176.56,	2.0	200.43,	4.0		
40 deg:	50.24,	4.0	182.81,	2.0	200.33,	4.0		
45 deg:	50.61,	4.0	191.20,	2.0	200.20,	4.0		
50 deg:	50.83,	4.0	199.95,	2.0				
55 deg:	50.82,	4.0	200.10,	2.0				
60 deg:	51.24,	4.0	199.68,	2.0				
65 deg:	52.08,	4.0	199.67,	2.0				
70 deg:	53.31,	4.0	129.34,	2.0	130.30,	4.0	130.97,	2.0
	167.41,	4.0	199.90,	2.0				
75 deg:	55.60,	4.0	118.90,	2.0	173.21,	4.0	200.00,	2.0



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Exhibit 16 Figure 3D Page 2

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80 deg:	59.64,	4.0	110.26,	2.0	173.09,	4.0	200.10,	2.0
85 deg:	11.00,	4.0*	30.00,	3.0*	227.00,	1.5*	199.76,	2.0
90 deg:	11.00,	4.0*	30.00,	3.0*	227.00,	1.5*	200.14,	2.0
95 deg:	11.00,	4.0*	30.00,	3.0*	227.00,	1.5*	199.95,	2.0
100 deg:	11.00,	4.0*	30.00,	3.0*	227.00,	1.5*	199.92,	2.0
105 deg:	11.00,	4.0*	30.00,	3.0*	227.00,	1.5*	253.00,	1.5*
	199.84,	2.0						
110 deg:	253.00,	1.5*	199.88,	2.0				
115 deg:	253.00,	1.5*	199.75,	2.0				
120 deg:	253.00,	1.5*	200.00,	2.0				
125 deg:	96.40,	1.5*	253.00,	1.5*	199.87,	2.0		
130 deg:	96.40,	1.5*	146.75,	4.0	200.16,	2.0		
135 deg:	96.40,	1.5*	148.00,	4.0	199.61,	2.0		
140 deg:	96.40,	1.5*	146.37,	4.0	200.04,	2.0		
145 deg:	6.20,	4.0*	33.00,	3.0*	96.40,	1.5*	138.00,	1.0*
	144.69,	4.0	200.05,	2.0				
150 deg:	6.20,	4.0*	33.00,	3.0*	138.00,	1.0*	144.53,	4.0
	199.95,	2.0						
155 deg:	6.20,	4.0*	33.00,	3.0*	138.00,	1.0*	143.76,	4.0
	199.70,	2.0						
160 deg:	6.20,	4.0*	33.00,	3.0*	138.00,	1.0*	144.31,	4.0
	200.36,	2.0						
165 deg:	6.20,	4.0*	33.00,	3.0*	138.00,	1.0*	143.38,	4.0
	199.92,	2.0						
170 deg:	142.61,	4.0	200.03,	2.0				
175 deg:	141.05,	4.0	199.64,	2.0				
180 deg:	141.45,	4.0	199.82,	2.0				
185 deg:	142.88,	4.0	199.62,	2.0				
190 deg:	144.53,	4.0	199.99,	2.0				
195 deg:	146.39,	4.0	200.05,	2.0				
200 deg:	70.62,	4.0	78.56,	2.0	148.22,	4.0	200.53,	2.0
205 deg:	69.08,	4.0	98.56,	2.0	98.86,	4.0	99.70,	2.0
	148.49,	4.0	199.62,	2.0				
210 deg:	68.06,	4.0	130.78,	2.0	131.94,	4.0	199.86,	2.0
215 deg:	69.53,	4.0	199.94,	2.0				
220 deg:	71.92,	4.0	199.92,	2.0				



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Exhibit 16 Figure 3D Page 3

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225 deg:	77.64,	4.0	199.98,	2.0				
230 deg:	85.45,	4.0	200.01,	2.0				
235 deg:	107.97,	4.0	199.72,	2.0				
240 deg:	145.08,	4.0	145.69,	2.0	146.78,	4.0	199.83,	2.0
245 deg:	185.18,	4.0	200.22,	2.0				
250 deg:	200.37,	4.0						
255 deg:	200.34,	4.0						
260 deg:	167.83,	4.0	199.74,	8.0				
265 deg:	144.85,	4.0	145.65,	8.0	146.35,	4.0	199.77,	8.0
270 deg:	130.67,	4.0	199.95,	8.0				
275 deg:	118.24,	4.0	200.27,	8.0				
280 deg:	108.69,	4.0	199.91,	8.0				
285 deg:	102.79,	4.0	199.82,	8.0				
290 deg:	95.93,	4.0	199.72,	8.0				
295 deg:	91.49,	4.0	199.50,	8.0				
300 deg:	88.98,	4.0	199.52,	8.0				
305 deg:	85.97,	4.0	200.52,	8.0				
310 deg:	84.84,	4.0	200.34,	8.0				
315 deg:	84.39,	4.0	200.07,	8.0				
320 deg:	83.98,	4.0	200.21,	8.0				
325 deg:	83.45,	4.0	200.32,	8.0				
330 deg:	85.06,	4.0	200.11,	8.0				
335 deg:	87.36,	4.0	200.27,	8.0				
340 deg:	92.04,	4.0	199.75,	8.0				
345 deg:	101.15,	4.0	176.87,	8.0	189.40,	4.0	199.96,	8.0
350 deg:	89.65,	4.0	89.78,	2.0	90.69,	4.0	114.22,	2.0
	169.74,	8.0	199.90,	4.0				
355 deg:	81.21,	4.0	137.01,	2.0	165.87,	8.0	200.26,	4.0