

**Exhibit 13 – APPENDIX B**

**SUMMARY OF INCLUDED MEASURED CONDUCTIVITY DATA**

**APPLICATION FOR CONSTRUCTION PERMIT  
WZHF Capitol Heights, MD (FCC Facility ID 73306)  
1390 kHz 9 kW – D 1 kW – N DA-2  
*Prepared November 2013 for*  
Way Broadcast Licensee, LLC**

**Dataset 1 – Existing Site**

**WZHF Arlington, VA (Formerly WMZQ)  
Licensed Site (Facility ID 73306)**

# **Exhibit 15-Q-2** **Composite WUST Ground Conductivity Data**

WUST 1120 kHz Lic NDDD Facil. ID 48686 25-Feb-2009  
 DC WASHINGTON 20.000 kW 1 Tower 0 Augmentations  
 N.Lat: 38 54 15 W.Lon: 77 09 54 12 Measured Cond

' ' means estimated conductivity, from M-3 map.  
 'M\*' means measured conductivity (main bearing).

All distances are in kilometers (US metric curves)  
 All distances are cumulative.  
 All radiations are in mV/m at one kilometer

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
0.0-	1338.6	2.0-	3.7	3.0-	31.2	2.0	84.0
		4.0	107.3	2.0	268.9	4.0	488.2
		8.0	500.0				
1.0-	1338.6	2.0-	3.7	3.0-	31.2	2.0	83.2
		4.0	110.1	2.0	268.3	4.0	487.3
		8.0	500.0				
5.0-	1338.6	2.0-	3.7	3.0-	31.2	2.0	81.9
		4.0	123.0	2.0	268.4	4.0	504.0
8.5M*	1338.6	2.0M*	3.7	3.0M*	31.2	2.0	82.1
		4.0	139.4	2.0	268.9	4.0	500.0
10.0-	1338.6	3.0-	7.2	2.0-	29.0	2.0	82.3
		4.0	148.7	2.0	268.1	4.0	500.0
11.0M*	1338.6	3.0M*	7.2	2.0M*	29.0	2.0	82.5
		4.0	155.8	2.0	266.9	4.0	500.0
15.0+	1338.6	3.0+	7.2	2.0+	29.0	2.0	83.4
		4.0	173.5	2.0	260.6	4.0	500.0
17.5+	1338.6	3.0+	7.2	2.0+	29.0	2.0	84.3
		4.0	183.2	2.0	256.7	4.0	500.0
18.5+	1338.6	3.0+	7.2	2.0+	29.0	2.0	84.6
		4.0	186.2	2.0	255.4	4.0	500.0
20.0-	1338.6	1.0-	1.9	3.0-	31.4	2.0	85.2
		4.0	188.8	2.0	254.5	4.0	500.0
21.0-	1338.6	1.0-	1.9	3.0-	31.4	2.0	85.7
		4.0	190.6	2.0	254.7	4.0	500.0
25.0-	1338.6	1.0-	1.9	3.0-	31.4	2.0	87.5
		4.0	200.1	2.0	262.2	4.0	500.0
27.5M*	1338.6	1.0M*	1.9	3.0M*	31.4	2.0	87.7
		4.0	210.1	2.0	275.0	4.0	500.0

**Exhibit 15-Q-2 (cont.)**  
**Composite WUST Ground Conductivity Data**

WUST 1120 kHz Lic NDDD Facil. ID 48686 25-Feb-2009  
 DC WASHINGTON 20.000 kW 1 Tower 0 Augmentations  
 N.Lat: 38 54 15 W.Lon: 77 09 54 12 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
30.0+	1338.6	1.0+	1.9	3.0+	31.4	2.0	87.9
		4.0	223.1	2.0	290.1	4.0	500.0
32.0+	1338.6	1.0+	1.9	3.0+	31.4	2.0	88.3
		4.0	238.0	2.0	303.8	4.0	500.0
35.0-	1338.6	3.0-	27.8	2.0	87.6	4.0	275.2
		2.0	334.8	4.0	500.0		
37.5-	1338.6	3.0-	27.8	2.0	86.5	4.0	291.4
		2.0	360.3	4.0	500.0		
40.0-	1338.6	3.0-	27.8	2.0	77.0	4.0	292.2
		2.0	363.1	4.0	517.1		
42.0M*	1338.6	3.0M*	27.8	2.0	68.8	4.0	293.5
		2.0	361.6	4.0	481.6	1.0	500.0
45.0+	1338.6	3.0+	27.8	2.0	58.3	4.0	59.1
		40.0	59.3	4.0	298.0	2.0	342.5
		4.0	402.9	1.0	500.0		
50.0+	1338.6	3.0+	27.8	2.0	35.1	4.0	59.6
		40.0	62.8	4.0	378.2	1.0	451.5
		2.0	500.0				
52.0+	1338.6	3.0+	27.8	2.0	30.8	4.0	59.9
		40.0	64.5	4.0	73.6	40.0	73.8
		4.0	96.4	40.0	99.6	4.0	333.6
		5000.0	338.2	4.0	341.1	5000.0	346.8
		4.0	348.1	5000.0	354.2	4.0	357.9
		5000.0	412.9	1.0	441.8	2.0	500.0
		2.0	26.4	4.0	58.3	40.0	67.4
55.0	1338.6	4.0	73.4	40.0	74.4	4.0	78.5
		40.0	80.7	4.0	83.6	40.0	87.9
		4.0	92.8	40.0	95.9	4.0	109.8
		40.0	124.8	4.0	306.7	5000.0	334.8
		0.5	337.6	5000.0	345.9	0.5	400.2
		5000.0	412.2	0.5	413.4	5000.0	474.4
		2.0	487.8	5000.0	489.9	2.0	500.0
		2.0	21.5	4.0	61.0	40.0	70.4
60.0	1338.6	4.0	73.7	40.0	103.0	4.0	104.6
		40.0	112.7	4.0	154.1	5000.0	160.1
		4.0	310.4	5000.0	442.5	0.5	452.1
		5000.0	458.5	0.5	490.7	5000.0	495.2
		0.5	500.0				

**Exhibit 15-Q-2 (cont.)**  
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 DC WASHINGTON 20.000 kW 1 Tower 0 Augmentations  
 N.Lat: 38 54 15 W.Lon: 77 09 54 12 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
65.0-	1338.6	3.0-	21.4	2.0-	24.8	1.5-	27.4
		1.0-	32.0	4.0	50.5	40.0	50.8
		4.0	64.4	40.0	87.4	4.0	147.4
		5000.0	156.7	4.0	288.7	5000.0	500.0
70.0-	1338.6	3.0-	21.4	2.0-	24.8	1.5-	27.4
		1.0-	32.0	4.0	51.9	40.0	52.9
		4.0	57.5	40.0	59.1	4.0	65.6
		40.0	82.2	4.0	152.7	5000.0	160.6
75.0M*	1338.6	4.0	273.7	5000.0	500.0		
		3.0M*	21.4	2.0M*	24.8	1.5M*	27.4
		1.0M*	32.0	4.0	53.8	40.0	55.7
		4.0	61.9	40.0	82.5	4.0	86.4
80.0+	1338.6	40.0	89.4	4.0	91.5	40.0	95.9
		4.0	156.1	5000.0	169.1	4.0	240.7
		5000.0	246.1	4.0	247.3	5000.0	500.0
		3.0+	21.4	2.0+	24.8	1.5+	27.4
85.0+	1338.6	1.0+	32.0	4.0	56.3	40.0	58.6
		4.0	61.4	40.0	63.1	4.0	65.0
		40.0	87.7	4.0	153.6	5000.0	192.3
		4.0	223.3	5000.0	500.0		
90.0	1338.6	3.0+	21.4	2.0+	24.8	1.5+	27.4
		1.0+	32.0	4.0	51.2	40.0	52.7
		4.0	59.4	40.0	82.2	4.0	160.1
		5000.0	194.5	4.0	206.0	5000.0	500.0
95.0	1338.6	2.0	11.2	4.0	56.0	40.0	82.9
		4.0	84.8	40.0	91.3	4.0	166.1
		5000.0	500.0				
		2.0	10.6	4.0	55.3	40.0	77.2
98.0-	1338.6	4.0	78.8	40.0	85.0	4.0	182.2
		5000.0	500.0				
		3.0-	3.2	4.0-	30.9	4.0	57.7
		40.0	75.8	4.0	83.6	40.0	89.9
100.0-	1338.6	4.0	179.3	2.0	184.6	5000.0	500.0
		3.0-	3.2	4.0-	30.9	4.0	57.3
		40.0	75.0	4.0	80.4	40.0	81.2
		4.0	87.2	40.0	87.8	4.0	163.3
105.0-	1338.6	2.0	186.2	5000.0	500.0		
		3.0-	3.2	4.0-	30.9	4.0	56.5
		40.0	74.0	4.0	76.0	40.0	90.8
		4.0	126.7	2.0	191.4	5000.0	500.0

**Exhibit 15-Q-2 (cont.)  
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N.Lat: 38 54 15 W.Lon: 77 09 54 12 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
108.0M*	1338.6	3.0M*	3.2	4.0M*	30.9	4.0	56.3
		40.0	75.2	4.0	75.7	40.0	96.9
		4.0	109.6	2.0	188.2	5000.0	500.0
110.0+	1338.6	3.0+	3.2	4.0+	30.9	4.0	58.3
		40.0	94.0	4.0	101.0	2.0	190.5
		5000.0	500.0				
115.0+	1338.6	3.0+	3.2	4.0+	30.9	4.0	62.0
		40.0	89.5	5000.0	94.5	2.0	185.4
		5000.0	500.0				
118.0+	1338.6	3.0+	3.2	4.0+	30.9	4.0	63.9
		40.0	80.8	5000.0	89.5	2.0	126.9
		5000.0	129.1	2.0	183.9	5000.0	500.0
120.0	1338.6	2.0	9.3	4.0	12.6	5000.0	15.5
		4.0	65.4	40.0	75.9	5000.0	89.5
		2.0	116.8	5000.0	117.8	2.0	126.2
125.0	1338.6	5000.0	129.5	2.0	184.2	5000.0	500.0
		2.0	9.2	4.0	13.5	5000.0	16.4
		4.0	69.5	5000.0	91.5	2.0	119.8
		5000.0	135.2	2.0	144.9	5000.0	146.2
		2.0	186.0	5000.0	500.0		
129.0-	1338.6	4.0-	19.5	3.0-	22.9	2.0-	32.0
		4.0	78.0	5000.0	145.2	2.0	147.2
		5000.0	152.7	2.0	164.0	5000.0	170.7
		2.0	189.6	5000.0	500.0		
130.0-	1338.6	4.0-	19.5	3.0-	22.9	2.0-	32.0
		4.0	86.8	5000.0	149.8	2.0	160.3
		5000.0	168.0	2.0	190.7	5000.0	500.0
135.0-	1338.6	4.0-	19.5	3.0-	22.9	2.0-	32.0
		4.0	74.7	5000.0	87.4	4.0	90.9
		5000.0	94.2	4.0	96.1	5000.0	172.4
		2.0	197.6	5000.0	500.0		
139.0M*	1338.6	4.0M*	19.5	3.0M*	22.9	2.0M*	32.0
		4.0	59.4	5000.0	75.6	4.0	110.0
		5000.0	181.6	2.0	202.2	5000.0	500.0
140.0+	1338.6	4.0+	19.5	3.0+	22.9	2.0+	32.0
		4.0	112.7	5000.0	178.4	2.0	198.4
		5000.0	206.0	2.0	206.5	5000.0	500.0

**Exhibit 15-Q-2 (cont.)**  
**Composite WUST Ground Conductivity Data**

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 DC WASHINGTON 20.000 kW 1 Tower 0 Augmentations  
 N.Lat: 38 54 15 W.Lon: 77 09 54 12 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
145.0+	1338.6	4.0+	19.5	3.0+	22.9	2.0+	32.0
		4.0	103.8	5000.0	130.9	4.0	135.4
		5000.0	189.1	2.0	192.1	5000.0	193.8
		2.0	205.2	5000.0	500.0		
149.0+	1338.6	4.0+	19.5	3.0+	22.9	2.0+	32.0
		4.0	82.9	5000.0	85.2	4.0	89.3
		5000.0	118.3	4.0	133.4	5000.0	134.8
		4.0	147.5	5000.0	203.5	2.0	215.1
150.0	1338.6	5000.0	500.0				
		2.0	10.2	4.0	23.4	5000.0	26.3
		4.0	83.3	5000.0	106.0	4.0	110.2
		5000.0	114.7	4.0	152.1	5000.0	207.9
155.0	1338.6	2.0	220.2	5000.0	500.0		
		2.0	10.7	4.0	23.6	5000.0	25.8
		4.0	82.2	5000.0	93.5	4.0	146.4
		5000.0	146.9	4.0	154.2	5000.0	161.3
160.0-	1338.6	2.0	168.7	5000.0	171.2	2.0	187.4
		5000.0	242.8	4.0	248.9	5000.0	500.0
		3.0-	32.2	4.0	72.7	5000.0	87.2
		4.0	131.1	5000.0	138.9	2.0	179.2
165.0-	1338.6	5000.0	180.8	2.0	193.3	5000.0	202.3
		2.0	202.6	5000.0	206.3	4.0	224.6
		5000.0	230.9	4.0	237.7	5000.0	237.9
		4.0	281.3	5000.0	281.6	4.0	319.1
170.0M*	1338.6	5000.0	348.2	4.0	379.0	5000.0	500.0
		3.0-	32.2	4.0	66.0	5000.0	82.1
		4.0	109.5	5000.0	116.5	2.0	175.1
		5000.0	184.4	2.0	206.4	4.0	210.3
170.0M*	1338.6	5000.0	224.3	4.0	229.5	5000.0	234.1
		4.0	313.7	5000.0	314.9	4.0	321.7
		5000.0	335.7	4.0	368.1	5000.0	369.9
		4.0	400.1	5000.0	500.0		
170.0M*	1338.6	3.0M*	32.2	5000.0	33.4	4.0	52.5
		5000.0	57.3	4.0	101.3	2.0	190.4
		5000.0	196.5	2.0	234.0	4.0	326.4
		5000.0	334.3	4.0	392.1	5000.0	438.1
		4.0	446.9	5000.0	500.0		

**Exhibit 15-Q-2 (cont.)**  
**Composite WUST Ground Conductivity Data**

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 N.Lat: 38 54 15 W.Lon: 77 09 54 12 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
175.0+	1338.6	3.0+	32.2	5000.0	33.7	4.0	51.3
		5000.0	58.8	4.0	90.3	2.0	184.7
		5000.0	185.8	2.0	331.1	4.0	385.6
		5000.0	391.9	4.0	437.3	5000.0	444.4
		4.0	460.4	5000.0	464.9	4.0	466.6
		5000.0	500.0				
180.0+	1338.6	3.0+	32.2	5000.0	34.4	4.0	57.5
		5000.0	60.9	4.0	81.4	2.0	366.0
		4.0	472.0	5000.0	500.0		
185.0	1338.6	2.0	18.6	4.0	30.8	5000.0	37.0
		4.0	58.2	5000.0	63.6	4.0	73.1
		2.0	397.7	4.0	507.2		
190.0	1338.6	2.0	22.1	4.0	35.6	5000.0	46.3
		4.0	47.3	5000.0	63.1	4.0	65.0
		2.0	393.2	4.0	500.0		
195.0	1338.6	2.0	27.3	4.0	52.4	2.0	383.2
		4.0	437.0	2.0	480.8	4.0	500.0
197.0-	1338.6	1.5-	2.4	4.0-	16.1	3.0-	31.7
		4.0	47.8	2.0	380.1	4.0	427.2
		2.0	495.6	4.0	500.0		
200.0-	1338.6	1.5-	2.4	4.0-	16.1	3.0-	31.7
		2.0	376.3	4.0	416.7	2.0	500.0
205.0-	1338.6	1.5-	2.4	4.0-	16.1	3.0-	31.7
		2.0	330.1	4.0	411.6	2.0	500.0
207.0M*	1338.6	1.5M*	2.4	4.0M*	16.1	3.0M*	31.7
		2.0	309.9	4.0	418.2	2.0	500.0
210.0+	1338.6	1.5+	2.4	4.0+	16.1	3.0+	31.7
		2.0	292.3	4.0	455.2	2.0	500.0
215.0+	1338.6	1.5+	2.4	4.0+	16.1	3.0+	31.7
		2.0	280.1	4.0	500.0		
217.0+	1338.6	1.5+	2.4	4.0+	16.1	3.0+	31.7
		2.0	277.7	4.0	500.0		
220.0	1338.6	2.0	275.4	4.0	373.1	2.0	424.1
		4.0	489.4	2.0	500.0		
225.0	1338.6	2.0	282.1	4.0	355.1	2.0	500.0
230.0	1338.6	2.0	500.0				
235.0	1338.6	2.0	500.0				
240.0	1338.6	2.0	431.9	4.0	500.0		
245.0	1338.6	2.0	434.3	4.0	500.0		
248.0-	1338.6	2.0-	19.3	3.0-	30.6	2.0	500.0
250.0-	1338.6	2.0-	19.3	3.0-	30.6	2.0	500.0
255.0-	1338.6	2.0-	19.3	3.0-	30.6	2.0	500.0
258.0M*	1338.6	2.0M*	19.3	3.0M*	30.6	2.0	500.0

**Exhibit 15-Q-2 (cont.)**  
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 DC WASHINGTON 20.000 kW 1 Tower 0 Augmentations  
 N.Lat: 38 54 15 W.Lon: 77 09 54 12 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
260.0+	1338.6	2.0+	19.3	3.0+	30.6	2.0	500.0
265.0+	1338.6	2.0+	19.3	3.0+	30.6	2.0	500.0
268.0+	1338.6	2.0+	19.3	3.0+	30.6	2.0	500.0
270.0	1338.6	2.0	500.0				
275.0	1338.6	2.0	191.6	4.0	283.6	2.0	500.0
280.0	1338.6	2.0	154.1	4.0	283.5	2.0	465.3
		8.0	500.0				
283.0-	1338.6	2.0-	3.2	3.0-	31.1	2.0	144.9
		4.0	273.7	2.0	370.7	4.0	437.3
		8.0	500.0				
285.0-	1338.6	2.0-	3.2	3.0-	31.1	2.0	139.5
		4.0	267.9	2.0	344.3	4.0	424.2
		8.0	500.0				
290.0-	1338.6	2.0-	3.2	3.0-	31.1	2.0	128.4
		4.0	255.8	2.0	301.9	4.0	398.0
		8.0	500.0				
293.0M*	1338.6	2.0M*	3.2	3.0M*	31.1	2.0	124.5
		4.0	386.1	8.0	500.0		
295.0+	1338.6	2.0+	3.2	3.0+	31.1	2.0	123.2
		4.0	379.5	8.0	500.0		
300.0+	1338.6	2.0+	3.2	3.0+	31.1	2.0	121.2
		4.0	365.3	8.0	500.0		
303.0+	1338.6	2.0+	3.2	3.0+	31.1	2.0	120.4
		4.0	358.2	8.0	500.0		
305.0	1338.6	2.0	120.1	4.0	354.2	8.0	500.0
310.0-	1338.6	3.0-	11.3	2.0-	31.9	2.0	119.9
		4.0	346.2	8.0	500.0		
315.0-	1338.6	3.0-	11.3	2.0-	31.9	2.0	120.7
		4.0	344.5	8.0	507.7		
320.0M*	1338.6	3.0M*	11.3	2.0M*	31.9	2.0	122.4
		4.0	192.7	2.0	356.4	8.0	433.9
		4.0	447.3	8.0	490.0	10.0	500.0
325.0+	1338.6	3.0+	11.3	2.0+	31.9	2.0	126.6
		4.0	196.9	2.0	379.0	8.0	392.0
		4.0	437.4	8.0	467.6	10.0	500.0
330.0+	1338.6	3.0+	11.3	2.0+	31.9	2.0	132.8
		4.0	205.6	2.0	377.4	4.0	434.9
		8.0	456.8	10.0	500.8		



**Exhibit 15-Q-2 (cont.)**  
**Composite WUST Ground Conductivity Data**

WUST 1120 kHz	Lic	NDDD	Facil. ID 48686	25-Feb-2009
DC WASHINGTON		20.000 kW	1 Tower	0 Augmentations
N.Lat: 38 54 15	W.Lon: 77 09 54			12 Measured Cond

Bearing	Radiation	Region		Region		Region	
		Cond	Dist	Cond	Dist	Cond	Dist
335.0	1338.6	2.0	141.3	4.0	216.9	2.0	341.1
		4.0	416.5	8.0	454.7	10.0	488.1
		20.0	500.0				
340.0	1338.6	2.0	154.1	4.0	224.8	2.0	315.4
		4.0	429.6	8.0	460.8	10.0	470.7
		20.0	500.0				
345.0	1338.6	2.0	175.5	4.0	216.0	2.0	298.1
		4.0	447.7	8.0	500.0		
350.0	1338.6	2.0	284.4	4.0	433.6	8.0	500.0
355.0	1338.6	2.0	91.9	4.0	92.3	2.0	274.6
		4.0	435.2	8.0	500.0		
358.5-	1338.6	2.0-	3.7	3.0-	31.2	2.0	85.4
		4.0	103.5	2.0	270.2	4.0	487.5
		8.0	500.0				

**Exhibit 15-Q-3**  
**Tabulation of Distance to WUST Daytime Allocation Contours**

WUST 1120 kHz Lic NDDD Facil. ID 48686 25-Feb-2009  
 DC WASHINGTON 20.000 kW 1 Tower 0 Augmentations  
 N. Lat: 38 54 15 W. Lon: 77 09 54 12 Measured Cond

Conductivities are from M-3 map unless supplemented by measurements.  
 All distances are in kilometers (US metric curves)  
 All radiations are in mV/m at one kilometer

'M\*' bearing is supplemented by measurements.  
 '+-' 10 deg. variance from measured bearing.

Bearing	Radiation	Distance to Contours	
		0.500	0.250
0.0-	1338.6	67.96	92.04
1.0-	1338.6	67.96	92.26
5.0-	1338.6	67.96	92.61
8.5M*	1338.6	67.96	92.54
10.0-	1338.6	62.32	85.39
11.0M*	1338.6	62.32	85.35
15.0+	1338.6	62.32	85.11
17.5+	1338.6	62.32	84.91
18.5+	1338.6	62.32	84.81
20.0-	1338.6	67.99	91.76
21.0-	1338.6	67.99	91.64
25.0-	1338.6	67.99	91.17
27.5M*	1338.6	67.99	91.14
30.0+	1338.6	67.99	91.07
32.0+	1338.6	67.99	90.98
35.0-	1338.6	67.43	90.46
37.5-	1338.6	67.43	90.73
40.0-	1338.6	67.43	93.24
42.0M*	1338.6	67.43	95.48
45.0+	1338.6	70.24	98.69
50.0+	1338.6	79.43	107.87
52.0+	1338.6	81.97	112.20
55.0	1338.6	81.08	118.29
60.0	1338.6	92.25	131.63
65.0-	1338.6	60.07	101.53
70.0-	1338.6	61.53	99.45
75.0M*	1338.6	61.06	105.47
80.0+	1338.6	61.25	103.70
85.0+	1338.6	62.87	102.54
90.0	1338.6	101.03	129.47
95.0	1338.6	98.11	126.55
98.0-	1338.6	100.57	129.01
100.0-	1338.6	97.35	125.79
105.0-	1338.6	105.84	132.74
108.0M*	1338.6	110.65	133.11
110.0+	1338.6	106.38	128.83

**Exhibit 15-Q-3 (cont.)**  
**Tabulation of Distance to WUST Daytime Allocation Contours**

WUST 1120 kHz Lic NDDD Facil. ID 48686 25-Feb-2009  
 DC WASHINGTON 20.000 kW 1 Tower 0 Augmentations  
 N. Lat: 38 54 15 W. Lon: 77 09 54 12 Measured Cond

Bearing	Radiation	Distance to Contours	
		0.500	0.250
115.0+	1338.6	103.70	126.15
118.0+	1338.6	99.75	122.21
120.0	1338.6	98.30	121.56
125.0	1338.6	98.90	127.72
129.0-	1338.6	71.57	155.21
130.0-	1338.6	71.57	142.27
135.0-	1338.6	71.57	166.37
139.0M*	1338.6	84.88	123.35
140.0+	1338.6	71.57	100.01
145.0+	1338.6	71.57	100.01
149.0+	1338.6	71.57	123.97
150.0	1338.6	82.60	132.47
155.0	1338.6	81.77	119.10
160.0-	1338.6	90.99	119.43
165.0-	1338.6	92.42	124.27
170.0M*	1338.6	84.36	110.45
175.0+	1338.6	87.09	110.27
180.0+	1338.6	83.46	105.91
185.0	1338.6	83.31	105.76
190.0	1338.6	90.41	112.87
195.0	1338.6	68.41	90.86
197.0-	1338.6	72.03	94.49
200.0-	1338.6	68.04	90.49
205.0-	1338.6	68.04	90.49
207.0M*	1338.6	68.04	90.49
210.0+	1338.6	68.04	90.49
215.0+	1338.6	68.04	90.49
217.0+	1338.6	68.04	90.49
220.0	1338.6	62.32	84.78
225.0	1338.6	62.32	84.78
230.0	1338.6	62.32	84.78
235.0	1338.6	62.32	84.78
240.0	1338.6	62.32	84.78
245.0	1338.6	62.32	84.78
248.0-	1338.6	67.86	90.32
250.0-	1338.6	67.86	90.32
255.0-	1338.6	67.86	90.32
258.0M*	1338.6	67.86	90.32
260.0+	1338.6	67.86	90.32
265.0+	1338.6	67.86	90.32
268.0+	1338.6	67.86	90.32
270.0	1338.6	62.32	84.78
275.0	1338.6	62.32	84.78

**Exhibit 15-Q-3**  
**Tabulation of Distance to WUST Daytime Allocation Contours**

WUST	1120 kHz	Lic	NDDD	Facil. ID 48686	25-Feb-2009
DC	WASHINGTON		20.000 kW	1 Tower	0 Augmentations
N. Lat:	38 54 15	W. Lon:	77 09 54		12 Measured Cond

Bearing	Radiation	Distance to Contours	
		0.500	0.250
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280.0	1338.6	62.32	84.78
283.0-	1338.6	67.94	90.39
285.0-	1338.6	67.94	90.39
290.0-	1338.6	67.94	90.39
293.0M*	1338.6	67.94	90.39
295.0+	1338.6	67.94	90.39
300.0+	1338.6	67.94	90.39
303.0+	1338.6	67.94	90.39
305.0	1338.6	62.32	84.78
310.0-	1338.6	62.32	84.78
315.0-	1338.6	62.32	84.78
320.0M*	1338.6	62.32	84.78
325.0+	1338.6	62.32	84.78
330.0+	1338.6	62.32	84.78
335.0	1338.6	62.32	84.78
340.0	1338.6	62.32	84.78
345.0	1338.6	62.32	84.78
350.0	1338.6	62.32	84.78
355.0	1338.6	62.32	84.78
358.5-	1338.6	67.96	91.69

