

MINOR CHANGE APPLICATION
COMMONWEALTH BROADCASTING, LLC
WEXM RADIO STATION
CH 291A - 106.1 MHZ - 1.7 KW
POQUOSON, VIRGINIA
November 2003

EXHIBIT A

Shortspaced Facilities Utilizing Section 73.215

The proposed WEXM antenna location for Channel 291A will be shortspaced to the pending application of WRDU, Channel 291C, Wilson, North Carolina. The detailed spacing information with regard to this application is shown on Exhibit A1. Commonwealth Broadcasting, LLC, proposes to use the provisions of §73.215 of the Commission's rules to address this shortspace. The shortage to this facility complies with §73.215(e) of the Commission's rules. The provisions of §73.215 will be met by specifying less than maximum Class A facilities.

Exhibit A2 specifically demonstrates that there will be no prohibited overlap between the proposed WEXM and applied for WRDU. Attached as Exhibits A3 and A4 are the tabulated distances to the protected and interfering contours, along the pertinent arcs, of the proposed WEXM and applied for WRDU. The contours of WRDU are based on a maximum Class C facility.¹ Further, attached as Exhibit A5 are the tabulated and protected contours of the proposed facility, in ten degree increments. Again, there is no prohibited overlap between the facilities.

1) The proposed WRDU facility has an requested height above average terrain ("HAAT") of 451 meters. The height of the antenna was raised to bring the HAAT to 600 meters for the §73.215 analysis.

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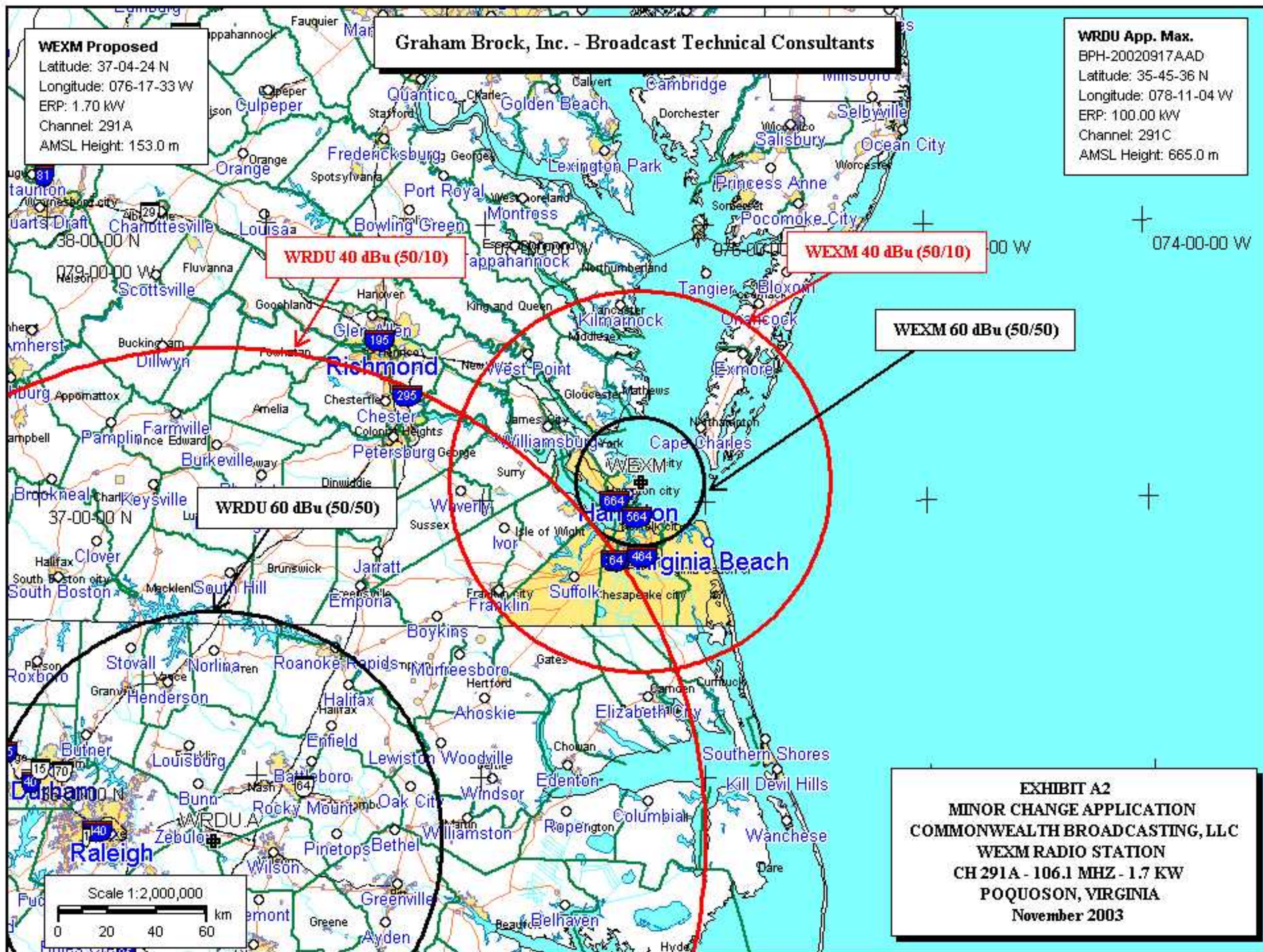
EXHIBIT A1

Clearance Study for WEXM, Poquoson, Virginia
Using Proposed Site as Reference

REFERENCE				CLASS = A		DISPLAY DATES		
37 04 24 N				Current		DATA 11-14-03		
76 17 33 W				Spacings		SEARCH 11-17-03		
-----				Channel 291 - 106.1 MHz		-----		
Call	Channel		Location		Dist	Azi	FCC	Margin
	N. Lat.	W. Lng.	Ant	Power		HAAT		

WEXM.C	CP 291B	Exmore		VA 60.82	33.4	178.0	-117.18	
	37 31 46	75 54 44	CX	30.000 kW	81 M			
	Commonwealth Broadcasting			BPH-20010502AAR				
ALOPEN	ADD 291A	Poquoson		VA 18.68	323.5	115.0	-96.32	
	37 12 30	76 25 05		6.000 kW	100 M			
	> Reserved for WEXM per MM Docket #02-76							
WEXM	LIC 291A	Exmore		VA 60.82	33.4	115.0	-54.18	
	37 31 46	75 54 44	C	1.500 kW	81 M			
	Commonwealth Broadcasting			BLH-20010420AAT				
* WRDU.A	APP 291C	Wilson		NC 223.68	229.8	226.0	-2.32	
	35 45 36	78 11 04	CX	100.000 kW	451 M			
	Capstar TX Limited Partner			BPH-20020917AAD				
RADD	ADD 290A	Nassawadox		VA 73.07	41.8	72.0	1.07	
	37 33 43	75 44 24		6.000 kW	100 M			
WRDU	LIC 291C0	Wilson		NC 223.68	229.8	215.0	8.68	
	35 45 36	78 11 04	CX	100.000 kW	416 M			
	Capstar TX Limited Partner			BLH-20020607AAR				
WRDU.C	CP 291C0	Wilson		NC 223.68	229.8	215.0	8.68	
	35 45 36	78 11 04	CX	100.000 kW	416 M			
	Capstar TX Limited Partner			BPH-20020529AAO				
WRSF	LIC 289C1	Columbia		NC 131.61	177.6	75.0	56.61	
	35 53 18	76 13 50	CN	100.000 kW	187 M			
	East Carolina Radio, Inc.			BLH-19840316AA				
WBTJ	LIC 293B	Richmond		VA 133.48	291.5	69.0	64.48	
	37 30 14	77 41 53	CN	7.600 kW	376 M			
	Capstar TX Limited Partner			BLH-19880808LB				
WRARFM	LIC 288A	Tappahannock		VA 96.83	336.8	31.0	65.83	
	37 52 27	76 43 37	CN	6.000 kW	100 M			
	Rappahannock Communication			BLH-19910812KA				

* Note: This shortage will be addressed under §73.215 of the rules. See Exhibit A.



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EXHIBIT A3

WEXM - Proposed
Channel = 291A
Max ERP = 1.7 kW
RCAMSL = 153 M
N. Lat = 37 04 24
W. Lng = 76 17 33

WRDU.A - BPH-20020917AAD
Channel = 291C
Max ERP = 100 kW
RCAMSL = 665 M
N. Lat = 35 45 36
W. Lng = 78 11 04

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
210.0	001.7000	0153.0	025.7	051.2	100.0000	0602.8	199.8	39.7
211.0	001.7000	0153.0	025.7	051.1	100.0000	0602.8	199.6	39.7
212.0	001.7000	0153.0	025.7	050.9	100.0000	0602.8	199.5	39.7
213.0	001.7000	0153.0	025.7	050.8	100.0000	0602.8	199.3	39.7
214.0	001.7000	0153.0	025.7	050.7	100.0000	0602.8	199.2	39.8
215.0	001.7000	0153.0	025.7	050.6	100.0000	0602.8	199.1	39.8
216.0	001.7000	0152.9	025.7	050.5	100.0000	0602.9	198.9	39.8
217.0	001.7000	0152.8	025.7	050.3	100.0000	0602.9	198.8	39.8
218.0	001.7000	0152.7	025.6	050.2	100.0000	0602.9	198.7	39.9
219.0	001.7000	0152.6	025.6	050.1	100.0000	0602.9	198.7	39.9
220.0	001.7000	0152.5	025.6	050.0	100.0000	0602.9	198.6	39.9
221.0	001.7000	0152.4	025.6	049.8	100.0000	0602.9	198.5	39.9
222.0	001.7000	0152.4	025.6	049.7	100.0000	0602.9	198.4	39.9
223.0	001.7000	0152.3	025.6	049.6	100.0000	0602.9	198.4	39.9
224.0	001.7000	0152.1	025.6	049.4	100.0000	0603.2	198.3	39.9
225.0	001.7000	0152.1	025.6	049.3	100.0000	0603.2	198.3	39.9
226.0	001.7000	0152.1	025.6	049.2	100.0000	0603.2	198.3	39.9
227.0	001.7000	0152.2	025.6	049.1	100.0000	0603.2	198.2	40.0
228.0	001.7000	0152.3	025.6	048.9	100.0000	0603.2	198.2	40.0
229.0	001.7000	0152.3	025.6	048.8	100.0000	0603.2	198.2	40.0
230.0	001.7000	0152.2	025.6	048.7	100.0000	0603.2	198.2	40.0
231.0	001.7000	0152.2	025.6	048.5	100.0000	0603.2	198.2	40.0
232.0	001.7000	0152.1	025.6	048.4	100.0000	0603.6	198.2	40.0
233.0	001.7000	0152.0	025.6	048.3	100.0000	0603.6	198.3	40.0
234.0	001.7000	0151.9	025.6	048.2	100.0000	0603.6	198.3	39.9
235.0	001.7000	0152.0	025.6	048.0	100.0000	0603.6	198.3	39.9
236.0	001.7000	0152.2	025.6	047.9	100.0000	0603.6	198.4	39.9
237.0	001.7000	0152.4	025.6	047.8	100.0000	0603.6	198.4	39.9
238.0	001.7000	0152.6	025.6	047.6	100.0000	0603.6	198.5	39.9
239.0	001.7000	0152.8	025.7	047.5	100.0000	0603.6	198.5	39.9
240.0	001.7000	0153.0	025.7	047.4	100.0000	0604.2	198.6	39.9
241.0	001.7000	0153.0	025.7	047.3	100.0000	0604.2	198.7	39.9
242.0	001.7000	0153.0	025.7	047.1	100.0000	0604.2	198.8	39.9
243.0	001.7000	0153.0	025.7	047.0	100.0000	0604.2	198.9	39.8
244.0	001.7000	0153.0	025.7	046.9	100.0000	0604.2	199.0	39.8
245.0	001.7000	0153.0	025.7	046.8	100.0000	0604.2	199.2	39.8
246.0	001.7000	0153.0	025.7	046.6	100.0000	0604.2	199.3	39.8
247.0	001.7000	0153.0	025.7	046.5	100.0000	0604.2	199.4	39.7
248.0	001.7000	0153.0	025.7	046.4	100.0000	0604.6	199.6	39.7
249.0	001.7000	0153.0	025.7	046.3	100.0000	0604.6	199.8	39.7
250.0	001.7000	0153.0	025.7	046.2	100.0000	0604.6	199.9	39.7

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EXHIBIT A4

WRDU.A - BPH-20020917AAD
Channel = 291C
Max ERP = 100 kW
RCAMSL = 665 M
N. Lat = 35 45 36
W. Lng = 78 11 04

WEXM - Proposed
Channel = 291A
Max ERP = 1.7 kW
RCAMSL = 153 M
N. Lat = 37 04 24
W. Lng = 76 17 33

Protected
60 dBu

Interfering
40 dBu

30 Second terrain database

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
035.0	100.0000	0604.9	092.0	239.1	001.7000	0152.8	135.8	25.8
036.0	100.0000	0605.2	092.0	238.4	001.7000	0152.6	135.2	25.9
037.0	100.0000	0605.3	092.0	237.8	001.7000	0152.6	134.6	26.0
038.0	100.0000	0605.4	092.0	237.2	001.7000	0152.4	134.1	26.1
039.0	100.0000	0605.5	092.0	236.5	001.7000	0152.4	133.6	26.2
040.0	100.0000	0605.5	092.0	235.8	001.7000	0152.2	133.1	26.3
041.0	100.0000	0605.5	092.0	235.2	001.7000	0152.0	132.7	26.3
042.0	100.0000	0605.4	092.0	234.5	001.7000	0151.9	132.4	26.4
043.0	100.0000	0605.4	092.0	233.8	001.7000	0151.9	132.1	26.5
044.0	100.0000	0605.2	092.0	233.1	001.7000	0152.0	131.8	26.5
045.0	100.0000	0605.0	092.0	232.4	001.7000	0152.1	131.6	26.6
046.0	100.0000	0604.6	092.0	231.7	001.7000	0152.1	131.5	26.6
047.0	100.0000	0604.2	092.0	231.0	001.7000	0152.2	131.4	26.6
048.0	100.0000	0603.6	092.0	230.3	001.7000	0152.2	131.3	26.6
049.0	100.0000	0603.2	091.9	229.6	001.7000	0152.2	131.3	26.6
050.0	100.0000	0602.9	091.9	228.9	001.7000	0152.3	131.3	26.6
051.0	100.0000	0602.8	091.9	228.2	001.7000	0152.3	131.4	26.6
052.0	100.0000	0602.9	091.9	227.5	001.7000	0152.3	131.5	26.6
053.0	100.0000	0602.9	091.9	226.8	001.7000	0152.2	131.7	26.6
054.0	100.0000	0603.0	091.9	226.1	001.7000	0152.1	131.9	26.5
055.0	100.0000	0603.1	091.9	225.4	001.7000	0152.1	132.1	26.5
056.0	100.0000	0603.3	091.9	224.8	001.7000	0152.1	132.4	26.4
057.0	100.0000	0603.4	091.9	224.1	001.7000	0152.1	132.8	26.3
058.0	100.0000	0603.4	091.9	223.4	001.7000	0152.3	133.2	26.3
059.0	100.0000	0603.5	091.9	222.8	001.7000	0152.3	133.6	26.2
060.0	100.0000	0603.5	092.0	222.1	001.7000	0152.4	134.1	26.1
061.0	100.0000	0603.6	092.0	221.5	001.7000	0152.4	134.6	26.0
062.0	100.0000	0603.6	092.0	220.8	001.7000	0152.4	135.2	25.9
063.0	100.0000	0603.6	092.0	220.2	001.7000	0152.5	135.8	25.8
064.0	100.0000	0603.6	092.0	219.6	001.7000	0152.5	136.5	25.6
065.0	100.0000	0603.5	092.0	219.0	001.7000	0152.6	137.2	25.5
066.0	100.0000	0603.2	091.9	218.4	001.7000	0152.7	137.9	25.3
067.0	100.0000	0602.7	091.9	217.8	001.7000	0152.7	138.7	25.2
068.0	100.0000	0602.1	091.9	217.2	001.7000	0152.8	139.5	25.0
069.0	100.0000	0601.5	091.9	216.7	001.7000	0152.8	140.4	24.9
070.0	100.0000	0600.8	091.8	216.2	001.7000	0152.9	141.3	24.7
071.0	100.0000	0600.2	091.8	215.6	001.7000	0152.9	142.3	24.5
072.0	100.0000	0599.6	091.8	215.1	001.7000	0153.0	143.2	24.3
073.0	100.0000	0599.2	091.8	214.6	001.7000	0153.0	144.2	24.1
074.0	100.0000	0599.1	091.8	214.1	001.7000	0153.0	145.3	24.0
075.0	100.0000	0598.9	091.8	213.7	001.7000	0153.0	146.3	23.8

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EXHIBIT A5

Predicted contours:

N. Lat. = 37 04 24 - Tabulated Protected and Interfering Contour Data
W. Lng. = 76 17 33 - WEXM Radio Station - Poquoson, Virginia

HAAT and Distance to Contour - FCC Method - 30 Arc Second terrain database									
Azi.	AV EL	HAAT	ERP kW	dBk	Field	60-F5	40-F1	54-F1	100-F1
000	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
010	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
020	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
030	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
040	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
050	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
060	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
070	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
080	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
090	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
100	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
110	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
120	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
130	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
140	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
150	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
160	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
170	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
180	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
190	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
200	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
210	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
220	0.5	152.5	1.7000	2.30	1.000	25.64	76.28	38.63	2.18
230	0.8	152.2	1.7000	2.30	1.000	25.62	76.24	38.61	2.17
240	0.0	153.0	1.7000	2.30	1.000	25.67	76.35	38.69	2.18
250	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
260	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
270	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
280	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
290	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
300	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
310	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
320	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
330	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
340	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18
350	0.0	153.0	1.7000	2.30	1.000	25.68	76.36	38.69	2.18

AMSL= 153 M