

## **ENGINEERING EXHIBIT**

### **Amendment to Application for Modification of Construction Permit BMPED-20110803ABF**

prepared for

#### **Hampton Roads Educational Telecommunications Association, Inc.**

WHRX(FM) Nassawadox, VA

Facility ID 91505

Ch. 211B (90.1 MHz) 46 kW 68 m

*Hampton Roads Educational Telecommunications Association, Inc. (“HRETA”)* is the licensee of non-commercial educational FM radio station WHRX(FM) Ch. 211A, Nassawadox, VA (BLED-20050405ABX). WHRX is licensed to operate with 0.45 kW effective radiated power (“ERP”) and an antenna height above average terrain (“HAAT”) of 61 meters. A Construction Permit (“CP”, BPED-20100823ABI) authorizes WHRX for an increase to Class B and specification of a new transmitter location with 50 kW ERP at 78 meters HAAT. An application is pending (BMPED-20110803ABF) to modify the CP to specify a different transmitter site with 33 kW ERP and 90 meters antenna HAAT. *HRETA* herein amends the application BMPED-20110803ABF to reduce the proposed antenna and overall structure height and increase the ERP commensurately.

The proposed WHRX facility will utilize an existing tower structure located 16.1 km from the licensed WHRX site. As amended herein, it is proposed that WHRX will operate with a nondirectional ERP of 46 kW at 68 meters antenna HAAT.

The proposed site is associated with FCC Antenna Structure Registration (“ASR”) number 1027475. The current overall height of the tower structure is 60.9 meters above ground level (“AGL”). As originally proposed, the tower’s overall height would be extended to 91.4 meters AGL and the WHRX antenna was to be centered at 80.8 meters AGL. FAA study of the proposed 91.4 meter overall height resulted in a “Notice of Presumed Hazard” issued September 20, 2011. Upon reduction of the proposed overall structure height to 67.1 meters AGL, the FAA issued a

“Determination of No Hazard” on October 26, 2011 (FAA study number 2011-AEA-2360-OE). An application on FCC Form 854 is being submitted to modify ASR number 1027474 to specify the new overall structure height of 67.1 meters AGL. Thus, as proposed herein, the revised overall structure height is 67.1 meters AGL and the WHRX antenna will be centered at 59.1 meters AGL.

The principal community of Nassawadox is encompassed by the proposed WHRX 60 dBμ coverage contour as depicted in the coverage contour map of Figure 1. A comparison of the licensed and proposed 60 dBμ contour locations is provided in Figure 2, showing that the proposal clearly complies with §73.3573(a) regarding a minor modification.

### Allocation Considerations

The following FM facilities are close enough to the proposed transmitter site to warrant study in regard to prohibited overlap under §73.509 of the Commission’s Rules:

Call	Channel	Location	File Number	Azi	Dist
WHRJ	CP	210A Gloucester Courthou	VA BMPED-20110223AAS	247.9	78.4
WXTR	CP	210A Tappahannock	VA BMPED-20100427AAI	284.3	90.8
WKYV	LIC	211A Colonial Heights	VA BLED-20100622ACV	251.7	147.5
WCSP-FM	LIC	211B Washington	DC BLED-19980127KA	322.0	182.4
NEW	CP	212B1 California	MD BNPED-20071015ADL	313.9	79.0
WDIH	LIC	212A Salisbury	MD BLED-19900717KC	7.5	81.8
WHRO-FM	LIC	212B Norfolk	VA BLED-20030506AAW	215.7	118.5
WHRO-FM	CP	212B Norfolk	VA BPED-20030507ABV	215.7	118.5
WZLV	LIC	214B Cape Charles	VA BLED-20041101ACT	200.8	58.9
WZLV	CP	214B Cape Charles	VA BMPED-20110518AAX	200.8	58.9

The attached Figures 3, 4, and 5 depict the pertinent protected and interfering contours of the stations listed and the proposed WHRX facility. Co-channel stations and first-adjacent channel stations protected and interfering contours are depicted in Figures 3 and 4, respectively. Figure 4A supplies a detailed map of the contours which are close but do not overlap with WHRJ (Ch. 210A Gloucester Courthouse, VA). Table 1 provides a companion “FM Over” computation for WHRJ’s protected and interfering contours at one-degree increments. Figure 5 provides an allocation map regarding second and third adjacent stations.

The allocation study described above concludes that the WHRX proposal is in compliance with §73.509 regarding prohibited contour overlap. The contour locations were determined using

the actual ERP and height above terrain along each radial for each facility, as specified in §73.509(c). For the facilities under study, the antenna elevation above mean sea level, geographic coordinates, and ERP (including directional antenna relative field values, where appropriate) were retrieved from the FCC's engineering database. The requisite contours were determined using U.S.G.S. NED 3-second digitized terrain data<sup>1</sup> along each radial of interest from each transmitter site and an implementation of the Commission's TVFMFS computer program which simulates the FM propagation curves. The F(50,10) distances are used to calculate distance to interfering contours, however if the distance is less than 16 km the F(50,50) curves are used, as specified by §73.509(c)(2).

A spacing study as required by §73.507(c) regarding facilities differing in frequency by 10.6 or 10.8 MHz from the proposal is summarized in the following. The proposed facility meets the minimum distance separation requirements of §73.207 in all such instances.

Call	Channel	Location	Azi	Dist	FCC	Margin
WAAI	LIC 265A	Hurlock MD	352.4	106.1	15.0	91.1

### TV Channel 6 Considerations

Under §73.525(a)(1), an affected TV Channel 6 station must be considered with a proposed non-commercial educational facility on Channel 211 if the distance between the respective transmitter sites is 196 km or less. No authorized Channel 6 full power or Class A television station is located within 196 km of the proposed site. Low Power Television ("LPTV") or television translator stations within 196 km are WDCO-LP (analog Ch. 6, Salisbury, MD, 87.6 km distant) and WDCN-LP (analog Ch. 6, Fairfax, VA, 183.0 km).

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<sup>1</sup>The USGS NED 3-second terrain data was derived from USGS NED 30 meter data. According to USGS, "The USGS National Elevation Dataset has been developed by merging the highest-resolution, best-quality elevation data available across the United States into a seamless raster format. NED is the result of the maturation of the USGS effort to provide 1:24,000-scale Digital Elevation Model (DEM) data for the conterminous US and 1:63,360-scale DEM data for Alaska."

Figure 6 depicts the WDCO-LP and WDCN-LP 62 dB $\mu$  F(50,50) service contours, which are not overlapped by the proposed WHRX 67.5 dB $\mu$  F(50,10) contour. Owing to their secondary status, protection to LPTV and translator stations on Channel 6 such as WDCO-LP and WDCN-LP is not believed to be necessary. Nevertheless, there would not be an interference conflict in this case. Accordingly, the proposal complies with the television Channel 6 protection criteria of §73.525.

### **Other Allocation Matters**

Terrain data for the eight standard radials were obtained from U.S.G.S. NED 3-second digitized terrain data. The 90° True radial extends over the Atlantic Ocean and was truncated at the water's edge, as the 34 dB $\mu$  coverage contour does not encompass United States land area beyond the 16 km portion of this radial (see Figure 1). Considering the truncated radial, the proposed antenna's resulting HAAT is 68.0 meters.

The nearest FCC monitoring station is 191 km distant at Laurel, MD. This exceeds by a great margin the threshold minimum distance specified in §73.1030(c)(3) that would suggest consideration of the monitoring station. The site is not located within the areas requiring coordination with "quiet" zones specified in §73.1030(a) and (b). No authorized AM stations are located within 5 km of the proposed site. The site location is beyond the border areas that require international coordination.

### **Main Studio Location**

*HRETA* requests continuation of the waiver of §73.1125 concerning the location of the WHRX main studio, as described in the recent application which assigned the WHRX license to *HRETA* (BALED-20100901ACF). The waiver is to allow for operation of WHRX as a satellite of WHRV(FM), Norfolk, Virginia (Facility ID No. 25933) from a consolidated main studio at *HRETA*'s headquarters in Norfolk.

### **Human Exposure to Radiofrequency Electromagnetic Field - Environmental**

The proposed operation was evaluated for human exposure to radiofrequency ("RF") electromagnetic field using the procedures outlined in the Commission's OET Bulletin Number 65.

The proposed WHRX facility will employ a five element Shively model 6810 antenna or equivalent with one wavelength element spacing. Based on OET-65 equation (10), considering 32 percent antenna relative field in downward elevations (manufacturer's pattern data shows less than 32 percent relative field at angles 10 to 90 degrees below the antenna), the calculated signal density near the tower at two meters above ground level attributable to the proposed facility is  $96.5 \mu\text{W}/\text{cm}^2$ , which is 48.3 percent of the general population/uncontrolled maximum permitted exposure limit ("MPE").

According to CDBS data, the only other authorized non-excluded emitter at or near this site is a CP authorizing WHRF(FM) (Ch. 252A, Belle Haven, VA, 6 kW ERP). *HRETA* is also the permittee of WHRF, which is currently unbuilt and will be placed on the same tower structure as the proposed WHRX facility. The WHRF CP (BMPED-20100610ABU) specifies 6 kW ERP with an antenna centered 50 meters AGL. As described in the application underlying BMPED-20100610ABU, WHRF's calculated signal density at two meters above ground level is 5.9 percent of the general population/uncontrolled MPE limit (based on use of a 6 element Jampro JLPC antenna with one wavelength element spacing). Considering the simultaneous operation of WHRX and WHRF, the total calculated signal density at two meters above ground level is 54.2 percent of the general population/uncontrolled MPE limit.

Under a separate application (BMPED-20110803ABJ), *HRETA* is seeking a modification of the WHRF CP to increase its antenna height to be centered 64 meters AGL while maintaining 6 kW ERP. Under this scenario, WHRF will employ a 2 element Shively model 6810 antenna or equivalent with one wavelength element spacing. Considering 50 percent antenna relative field in downward elevations (manufacturer's pattern data shows less than 50 percent relative field at angles 25 to 90 degrees below the antenna), WHRF's calculated signal density at two meters above ground level will be  $26 \mu\text{W}/\text{cm}^2$ , which is 13 percent of the general population/uncontrolled MPE limit. The total calculated signal density at two meters above ground level attributable to WHRX and WHRF will be 61.3 percent of the general population/uncontrolled MPE limit.

The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will be posted. With respect to worker safety, the

applicant will coordinate exposure procedures with all pertinent stations and will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from RF electromagnetic field exposure in excess of FCC guidelines.

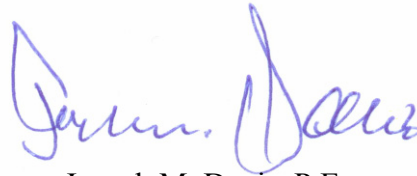
This exhibit is limited to the evaluation of exposure to RF electromagnetic field. The proposed transmitting antenna will be side-mounted on an existing antenna support structure which was constructed prior to March 16, 2001 and the proposed increase in structure height does not exceed 10 percent of the structure's overall height.<sup>2</sup>

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<sup>2</sup>See "Nationwide Programmatic Agreement Regarding The Section 106 National Historic Preservation Act Review Process," Report and Order, FCC 04-222, October 5, 2004.

### **Certification**

The undersigned hereby certifies that the foregoing statement and associated attachments were prepared by him or under his direction, and that they are true and correct to the best of his knowledge and belief.



Joseph M. Davis, P.E.  
October 27, 2011

**Chesapeake RF Consultants, LLC**  
207 Old Dominion Road  
Yorktown, VA 23692  
703-650-9600

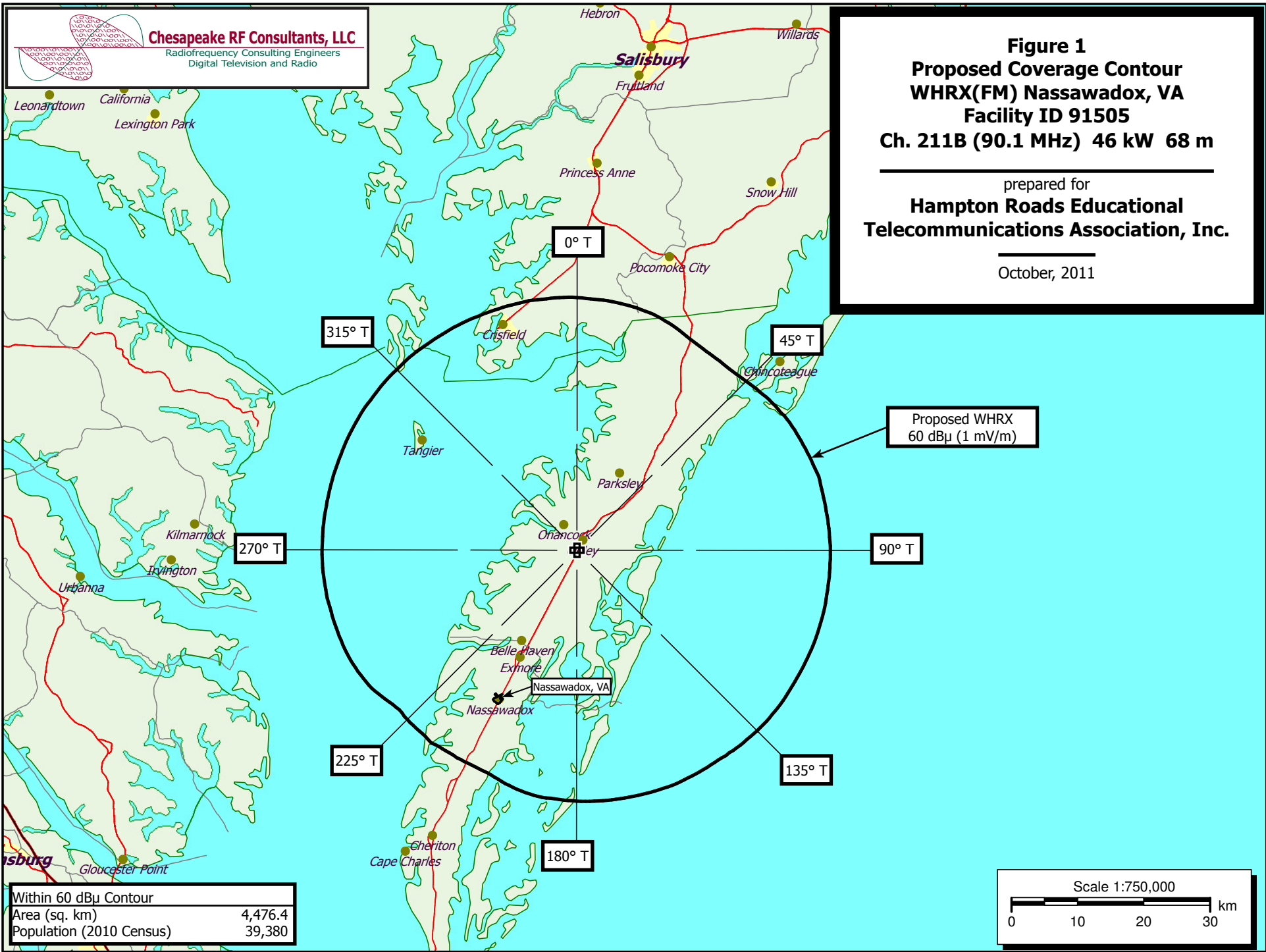
### List of Attachments

Figure 1	Proposed Coverage Contour
Figure 2	Coverage Contour Comparison
Figure 3	Co-Channel Allocation Study
Figure 4, 4A	First-Adjacent Channel Allocation Study
Figure 5	Second and Third-Adjacent Channel Allocation Study
Figure 6	TV Channel 6 Allocation Study
Table 1	Contour Protection "FM Over" Report
Form 340	Saved Version of Engineering Sections from FCC Form at Time of Upload

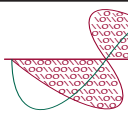
*This material was entered October 27, 2011 for filing electronically. Since the FCC's electronic filing system may be accessed by anyone with the applicant's account number and password, and electronic data may otherwise be altered in an unauthorized fashion, we cannot be responsible for changes made subsequent to our entry of this data and related attachments.*



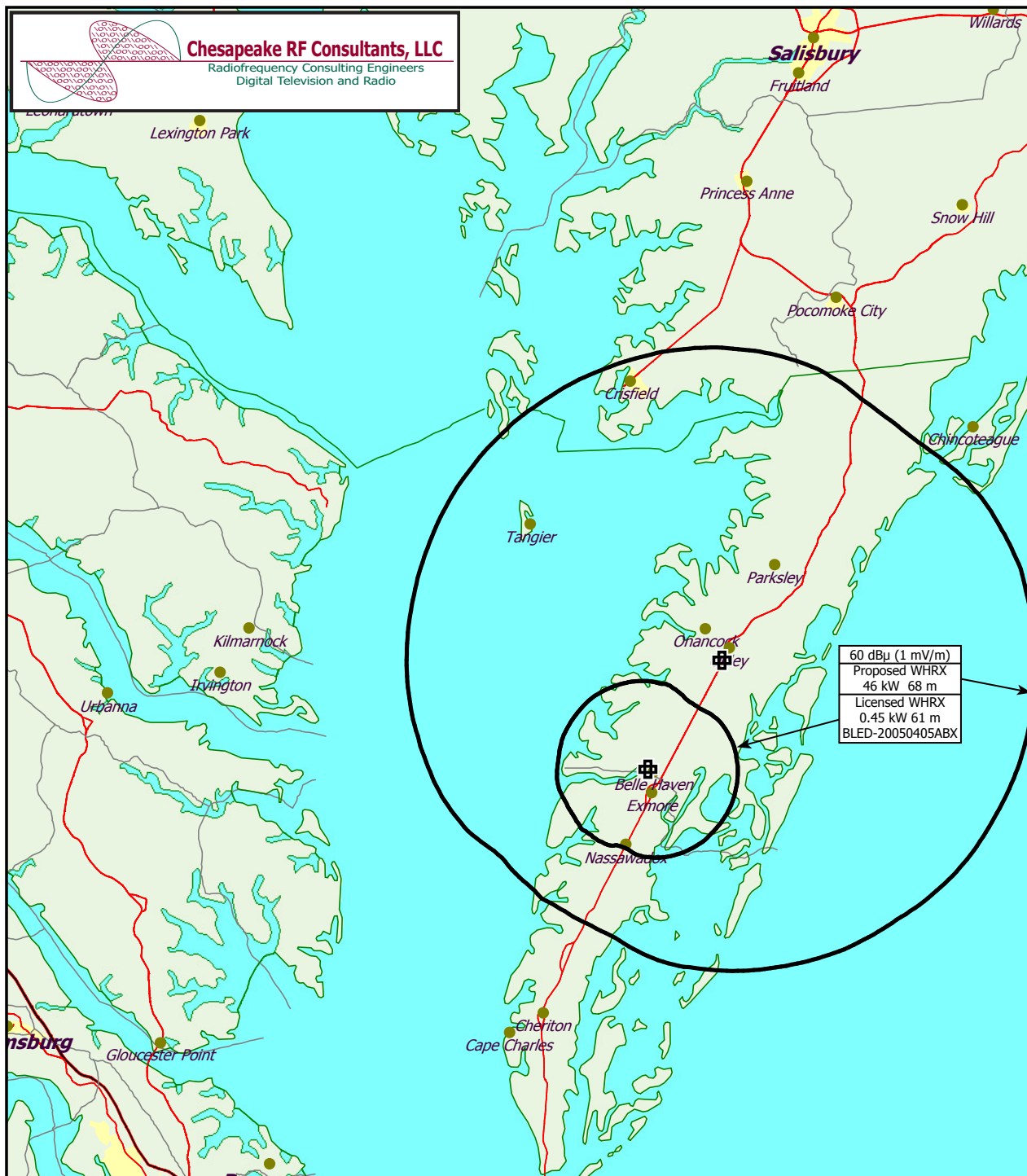
**Figure 1**  
**Proposed Coverage Contour**  
**WHRX(FM) Nassawadox, VA**  
**Facility ID 91505**  
**Ch. 211B (90.1 MHz) 46 kW 68 m**  
 prepared for  
**Hampton Roads Educational**  
**Telecommunications Association, Inc.**  
 October, 2011







**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

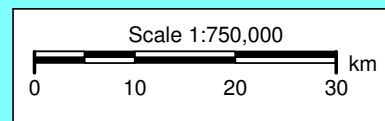


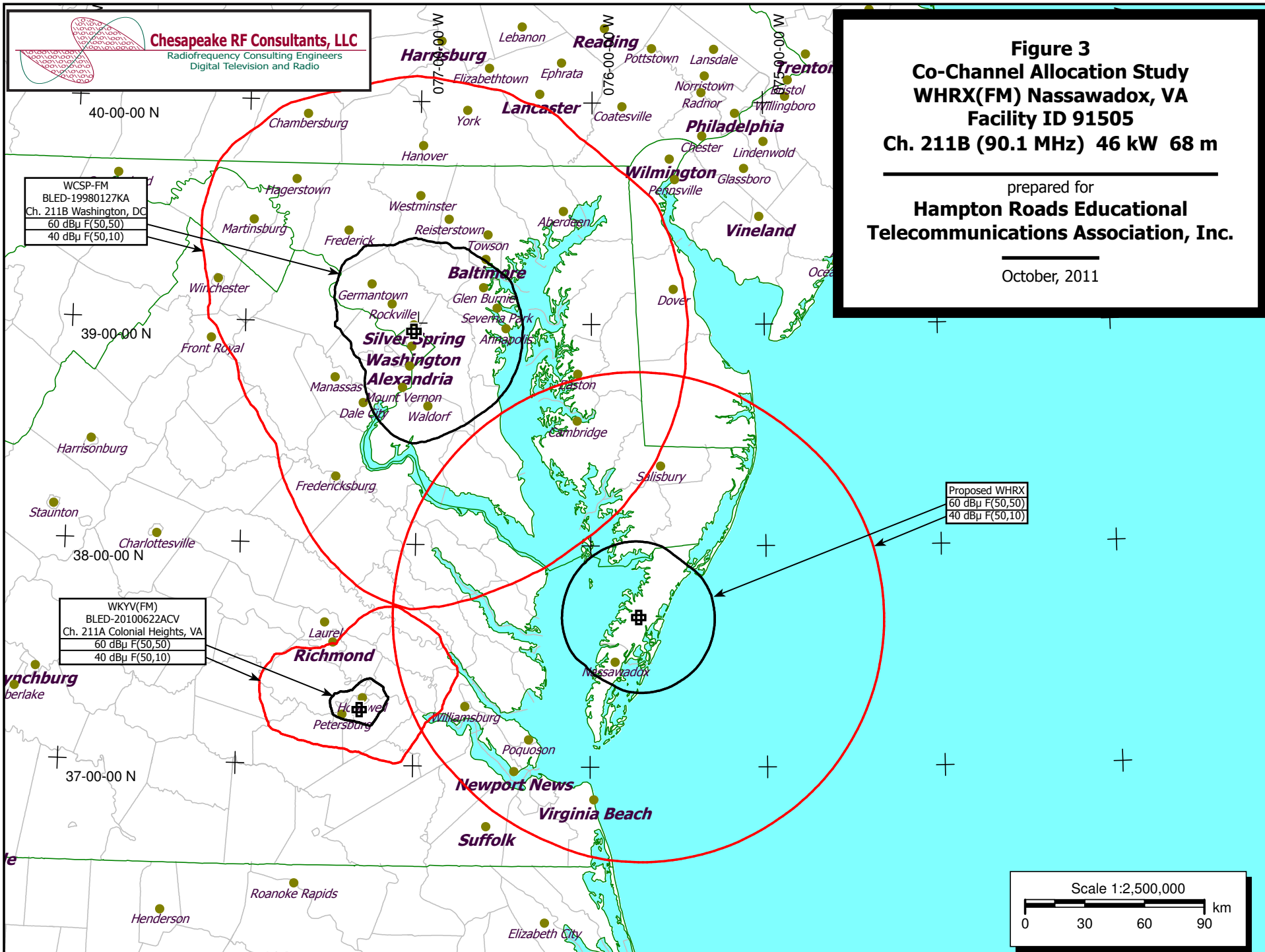
**Figure 2**  
**Coverage Contour Comparison**  
**WHRX(FM) Nassawadox, VA**  
**Facility ID 91505**  
**Ch. 211B (90.1 MHz) 46 kW 68 m**

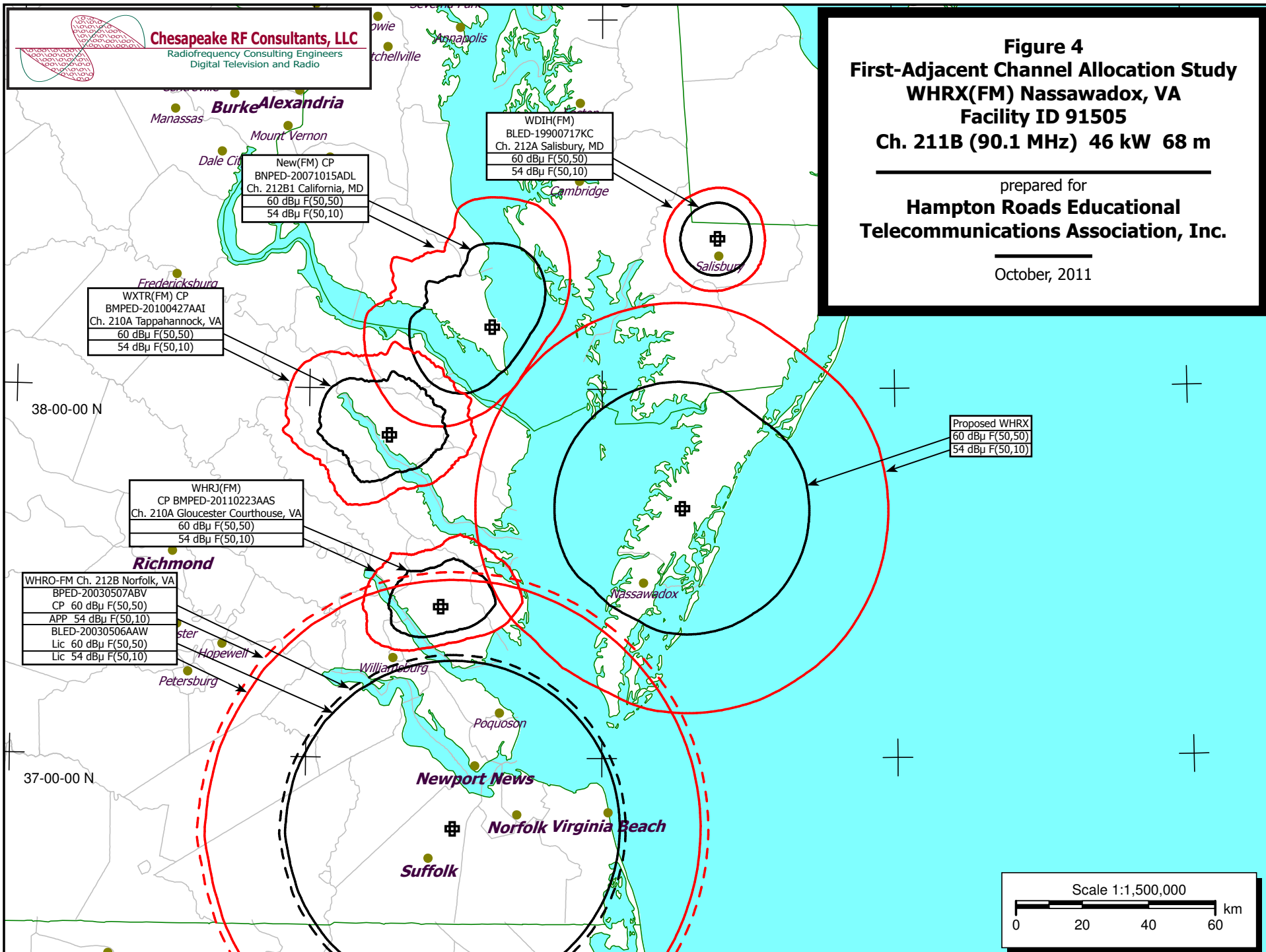
prepared for  
**Hampton Roads Educational**  
**Telecommunications Association, Inc.**

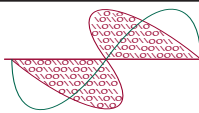
October, 2011

60 dBu (1 mV/m)
Proposed WHRX
46 kW 68 m
Licensed WHRX
0.45 kW 61 m
BLED-20050405ABX









**Chesapeake RF Consultants, LLC**  
Radiofrequency Consulting Engineers  
Digital Television and Radio

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37-20-00 N

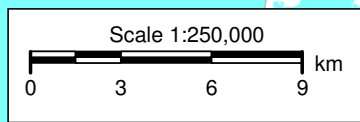
WHRJ(FM)  
CP BMPED-20110223AAS  
Ch. 210A Gloucester Courthouse, VA  
60 dBμ F(50,50)  
54 dBμ F(50,10)

**Figure 4A - Detail**  
**First-Adjacent Channel Allocation Study**  
**WHRX(FM) Nassawadox, VA**  
**Facility ID 91505**  
**Ch. 211B (90.1 MHz) 46 kW 68 m**

prepared for  
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October, 2011

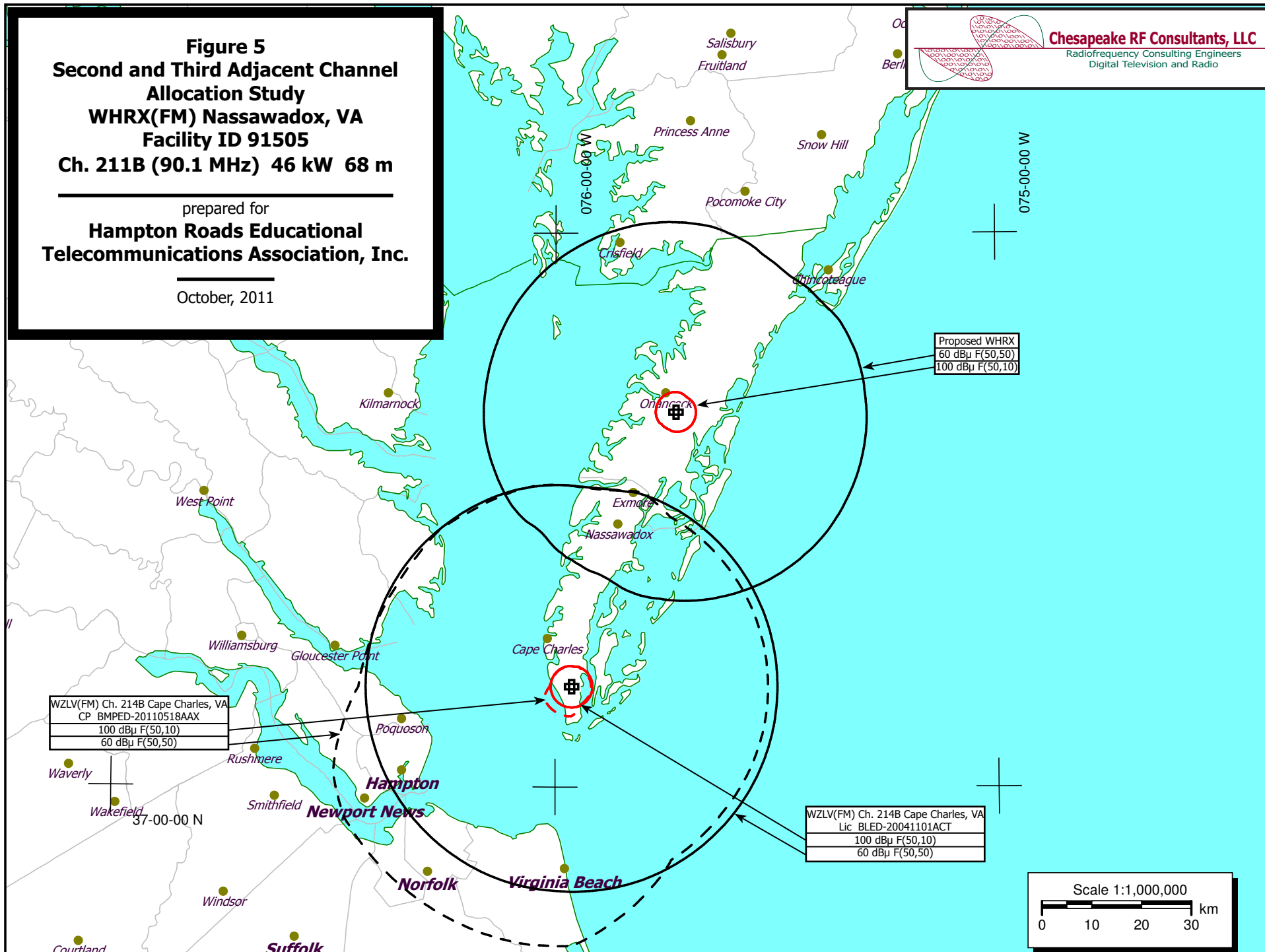
Proposed WHRX  
60 dBμ F(50,50)  
54 dBμ F(50,10)



**Figure 5**  
**Second and Third Adjacent Channel**  
**Allocation Study**  
**WHRX(FM) Nassawadox, VA**  
**Facility ID 91505**  
**Ch. 211B (90.1 MHz) 46 kW 68 m**

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October, 2011





**Figure 6**  
**TV Channel 6 Allocation Study**  
**WHRX(FM) Nassawadox, VA**  
**Facility ID 91505**  
**Ch. 211B (90.1 MHz) 46 kW 68 m**

prepared for  
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October, 2011

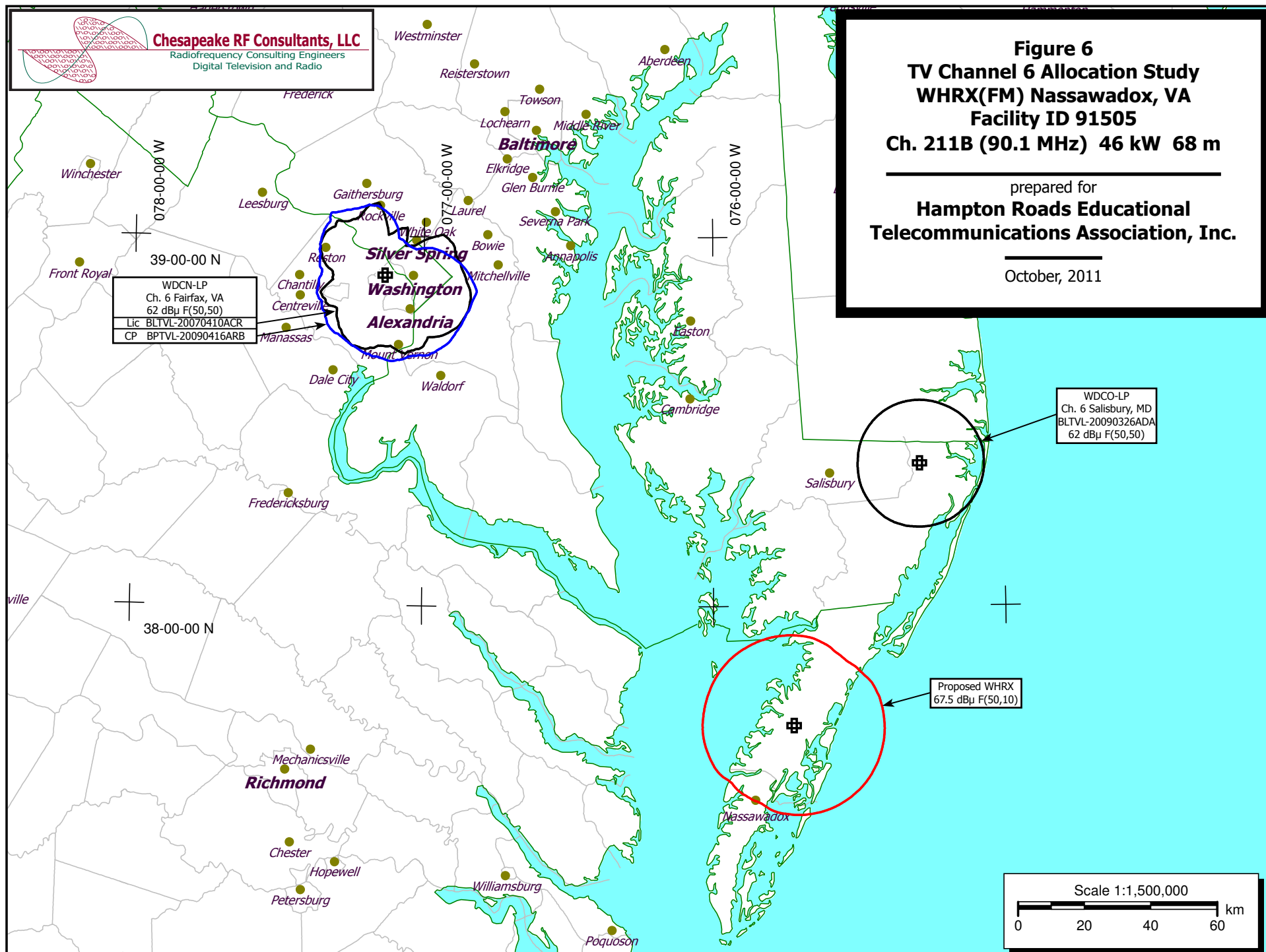
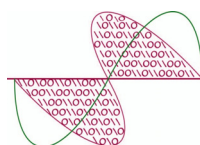


Table 1

**Contour Protection "FM Over" Report****RE: WHRJ (FM) Gloucester Courthouse, VA****Hampton Roads Educational Telecommunications Association Inc.**

WHRX(FM) Nassawadox, VA

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**Chesapeake RF Consultants, LLC**Radiofrequency Consulting Engineers  
Digital Television and Radio

10-26-2011

Terrain Data: NED 03 SEC

FMOver Analysis

WHRX Proposed

WHRJ

BMPED20110223AAS

Channel = 211B

Max ERP = 46 kW

RCAMSL = 72.5 M

N. Lat. 37 40 38.0

W. Lng. 75 43 37.0

Protected

60 dBu

Channel = 210A

Max ERP = 0.75 kW

RCAMSL = 95.1 M

N. Lat. 37 24 36.0

W. Lng. 76 32 52.0

Interfering

54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
188.0	046.0000	0067.7	037.6	096.2	000.5085	0092.0	067.7	34.21	
189.0	046.0000	0067.4	037.5	096.1	000.5103	0092.0	067.1	34.41	
190.0	046.0000	0067.2	037.5	096.1	000.5120	0091.9	066.4	34.61	
191.0	046.0000	0066.8	037.4	096.0	000.5148	0091.9	065.8	34.83	
192.0	046.0000	0066.5	037.3	095.8	000.5174	0091.9	065.1	35.04	
193.0	046.0000	0066.0	037.2	095.7	000.5212	0091.9	064.5	35.26	
194.0	046.0000	0065.6	037.2	095.5	000.5250	0091.9	063.9	35.48	
195.0	046.0000	0065.2	037.0	095.4	000.5294	0091.8	063.2	35.70	
196.0	046.0000	0064.5	036.9	095.1	000.5352	0091.8	062.6	35.94	
197.0	046.0000	0064.1	036.8	094.9	000.5403	0091.8	062.0	36.18	
198.0	046.0000	0063.5	036.7	094.7	000.5465	0091.7	061.4	36.42	
199.0	046.0000	0062.8	036.5	094.4	000.5537	0091.7	060.9	36.67	
200.0	046.0000	0062.2	036.4	094.1	000.5604	0091.7	060.3	36.92	
201.0	046.0000	0061.7	036.2	093.8	000.5678	0091.7	059.7	37.17	
202.0	046.0000	0061.3	036.2	093.6	000.5743	0091.7	059.1	37.42	
203.0	046.0000	0061.2	036.1	093.3	000.5798	0091.7	058.5	37.67	
204.0	046.0000	0061.2	036.1	093.1	000.5857	0091.7	057.9	37.92	
205.0	046.0000	0061.0	036.1	092.8	000.5925	0091.7	057.4	38.17	
206.0	046.0000	0060.9	036.1	092.6	000.5994	0091.7	056.8	38.43	
207.0	046.0000	0060.9	036.0	092.3	000.6061	0091.8	056.2	38.70	
208.0	046.0000	0061.0	036.1	092.1	000.6125	0091.8	055.6	38.96	
209.0	046.0000	0061.0	036.1	091.8	000.6201	0091.9	055.1	39.22	
210.0	046.0000	0061.2	036.1	091.5	000.6270	0092.0	054.5	39.49	
211.0	046.0000	0061.0	036.1	091.2	000.6366	0092.1	054.0	39.76	
212.0	046.0000	0061.0	036.1	090.8	000.6461	0092.2	053.4	40.04	
213.0	046.0000	0061.1	036.1	090.5	000.6547	0092.3	052.9	40.31	
214.0	046.0000	0061.3	036.1	090.2	000.6641	0092.5	052.3	40.59	
215.0	046.0000	0061.4	036.2	089.8	000.6740	0092.5	051.8	40.85	
216.0	046.0000	0061.8	036.3	089.5	000.6824	0092.5	051.2	41.12	
217.0	046.0000	0062.4	036.4	089.2	000.6905	0092.6	050.6	41.40	
218.0	046.0000	0061.9	036.3	088.6	000.7055	0092.8	050.2	41.66	
219.0	046.0000	0061.4	036.2	088.1	000.7208	0092.9	049.8	41.92	
220.0	046.0000	0061.4	036.2	087.6	000.7345	0093.2	049.3	42.19	
221.0	046.0000	0061.2	036.1	087.0	000.7493	0093.3	048.9	42.46	
222.0	046.0000	0061.4	036.2	086.5	000.7500	0093.5	048.4	42.65	
223.0	046.0000	0061.3	036.1	086.0	000.7500	0093.5	048.0	42.81	
224.0	046.0000	0061.3	036.1	085.4	000.7500	0093.6	047.6	42.97	

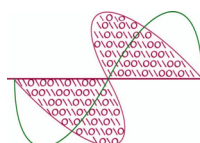


Table 1

**Contour Protection "FM Over" Report****RE: WHRJ (FM) Gloucester Courthouse, VA****Hampton Roads Educational Telecommunications Association Inc.**

WHRX(FM) Nassawadox, VA

(page 2 of 6)

**Chesapeake RF Consultants, LLC**Radiofrequency Consulting Engineers  
Digital Television and Radio

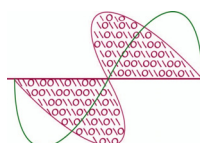
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
225.0	046.0000	0061.2	036.1	084.8	000.7500	0093.6	047.2	43.12	
226.0	046.0000	0061.1	036.1	084.2	000.7500	0093.6	046.8	43.26	
227.0	046.0000	0060.7	036.0	083.5	000.7500	0093.6	046.5	43.37	
228.0	046.0000	0060.6	036.0	082.9	000.7500	0093.4	046.1	43.49	
229.0	046.0000	0061.1	036.1	082.3	000.7500	0093.2	045.7	43.65	
230.0	046.0000	0061.5	036.2	081.7	000.7500	0093.0	045.3	43.79	
231.0	046.0000	0062.3	036.4	081.1	000.7500	0092.9	044.8	43.96	
232.0	046.0000	0063.0	036.5	080.5	000.7500	0092.7	044.3	44.12	
233.0	046.0000	0063.9	036.8	079.9	000.7500	0092.3	043.8	44.28	
234.0	046.0000	0064.6	036.9	079.3	000.7500	0092.1	043.4	44.43	
235.0	046.0000	0065.4	037.1	078.6	000.7500	0091.7	043.0	44.57	
236.0	046.0000	0066.2	037.3	077.9	000.7500	0091.6	042.6	44.72	
237.0	046.0000	0066.7	037.4	077.1	000.7500	0091.2	042.2	44.82	
238.0	046.0000	0066.9	037.4	076.3	000.7500	0090.9	041.9	44.90	
239.0	046.0000	0067.3	037.5	075.5	000.7500	0090.9	041.7	45.02	
240.0	046.0000	0067.7	037.6	074.6	000.7500	0090.9	041.4	45.12	
241.0	046.0000	0068.2	037.7	073.8	000.7500	0090.8	041.1	45.22	
242.0	046.0000	0068.4	037.8	072.9	000.7500	0090.6	041.0	45.28	
243.0	046.0000	0068.8	037.9	072.0	000.7500	0090.4	040.8	45.34	
244.0	046.0000	0069.1	037.9	071.1	000.7500	0090.0	040.6	45.37	
245.0	046.0000	0069.2	037.9	070.2	000.7500	0089.8	040.5	45.39	
246.0	046.0000	0069.4	038.0	069.2	000.7500	0089.2	040.4	45.38	
247.0	046.0000	0069.6	038.0	068.3	000.7500	0088.5	040.3	45.34	
248.0	046.0000	0069.6	038.0	067.4	000.7500	0088.1	040.3	45.31	
249.0	046.0000	0069.6	038.0	066.4	000.7500	0087.7	040.3	45.26	
250.0	046.0000	0069.8	038.1	065.5	000.7500	0087.5	040.3	45.25	
251.0	046.0000	0069.9	038.1	064.5	000.7500	0087.6	040.4	45.23	
252.0	046.0000	0069.9	038.1	063.6	000.7500	0087.6	040.4	45.21	
253.0	046.0000	0070.1	038.1	062.6	000.7500	0087.4	040.5	45.15	
254.0	046.0000	0070.2	038.2	061.7	000.7500	0087.3	040.6	45.11	
255.0	046.0000	0070.2	038.2	060.8	000.7500	0087.5	040.8	45.06	
256.0	046.0000	0070.2	038.2	059.9	000.7500	0087.8	040.9	45.02	
257.0	046.0000	0070.4	038.2	059.0	000.7500	0087.0	041.1	44.88	
258.0	046.0000	0070.6	038.3	058.1	000.7500	0086.3	041.3	44.75	
259.0	046.0000	0070.8	038.3	057.2	000.7500	0085.8	041.4	44.62	
260.0	046.0000	0070.9	038.3	056.3	000.7500	0085.7	041.7	44.51	
261.0	046.0000	0070.9	038.3	055.5	000.7500	0085.4	042.0	44.37	
262.0	046.0000	0070.9	038.3	054.7	000.7500	0084.9	042.3	44.21	
263.0	046.0000	0070.9	038.3	053.9	000.7500	0084.3	042.6	44.03	
264.0	046.0000	0071.1	038.4	053.1	000.7500	0083.4	042.9	43.83	
265.0	046.0000	0071.2	038.4	052.3	000.7500	0082.3	043.2	43.59	
266.0	046.0000	0071.3	038.4	051.5	000.7500	0081.0	043.6	43.33	
267.0	046.0000	0071.2	038.4	050.8	000.7500	0080.2	044.0	43.10	
268.0	046.0000	0071.2	038.4	050.1	000.7500	0079.8	044.3	42.91	
269.0	046.0000	0071.3	038.4	049.4	000.7500	0079.3	044.7	42.72	
270.0	046.0000	0071.3	038.4	048.8	000.7500	0079.0	045.2	42.52	
271.0	046.0000	0071.2	038.4	048.2	000.7500	0078.7	045.6	42.33	
272.0	046.0000	0071.2	038.4	047.5	000.7500	0078.1	046.1	42.10	
273.0	046.0000	0071.1	038.4	047.0	000.7500	0078.5	046.6	41.97	
274.0	046.0000	0071.2	038.4	046.4	000.7500	0078.9	047.1	41.84	
275.0	046.0000	0071.2	038.4	045.8	000.7500	0080.0	047.6	41.77	
276.0	046.0000	0071.2	038.4	045.3	000.7500	0079.9	048.1	41.58	

Table 1

**Contour Protection "FM Over" Report****RE: WHRJ (FM) Gloucester Courthouse, VA****Hampton Roads Educational Telecommunications Association Inc.**

WHRX(FM) Nassawadox, VA

(page 3 of 6)

**Chesapeake RF Consultants, LLC**Radiofrequency Consulting Engineers  
Digital Television and Radio

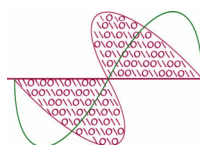
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
277.0	046.0000	0071.1	038.4	044.8	000.7500	0080.3	048.6	41.43	
278.0	046.0000	0071.1	038.4	044.4	000.7500	0080.8	049.1	41.29	
279.0	046.0000	0071.0	038.4	043.9	000.7500	0079.8	049.7	41.01	
280.0	046.0000	0071.0	038.4	043.5	000.7500	0079.1	050.2	40.75	
281.0	046.0000	0071.0	038.4	043.1	000.7500	0078.8	050.8	40.53	
282.0	046.0000	0071.0	038.3	042.7	000.7500	0078.6	051.4	40.31	
283.0	046.0000	0071.0	038.3	042.3	000.7500	0078.7	052.0	40.11	
284.0	046.0000	0071.0	038.3	041.9	000.7500	0078.9	052.5	39.92	
285.0	046.0000	0071.1	038.4	041.6	000.7500	0078.8	053.1	39.71	
286.0	046.0000	0071.1	038.4	041.3	000.7500	0078.7	053.7	39.49	
287.0	046.0000	0071.2	038.4	041.0	000.7500	0078.5	054.3	39.26	
288.0	046.0000	0071.1	038.4	040.7	000.7500	0078.3	054.9	39.03	
289.0	046.0000	0071.1	038.4	040.4	000.7500	0078.1	055.6	38.80	
290.0	046.0000	0071.1	038.4	040.2	000.7500	0078.1	056.2	38.58	
291.0	046.0000	0071.1	038.4	039.9	000.7500	0078.5	056.8	38.39	
292.0	046.0000	0071.1	038.4	039.7	000.7500	0078.8	057.4	38.20	
293.0	046.0000	0071.2	038.4	039.5	000.7500	0078.6	058.1	37.97	
294.0	046.0000	0071.3	038.4	039.3	000.7500	0078.2	058.7	37.73	
295.0	046.0000	0071.4	038.4	039.1	000.7500	0077.9	059.4	37.50	
296.0	046.0000	0071.4	038.4	038.9	000.7500	0077.8	060.0	37.28	
297.0	046.0000	0071.5	038.5	038.8	000.7500	0077.8	060.7	37.07	
298.0	046.0000	0071.5	038.5	038.7	000.7500	0078.0	061.3	36.87	
299.0	046.0000	0071.5	038.5	038.5	000.7500	0078.2	062.0	36.68	
300.0	046.0000	0071.6	038.5	038.4	000.7500	0078.2	062.6	36.48	
301.0	046.0000	0071.6	038.5	038.3	000.7500	0078.2	063.3	36.29	
302.0	046.0000	0071.7	038.5	038.2	000.7500	0078.2	064.0	36.09	
303.0	046.0000	0071.8	038.5	038.1	000.7500	0078.3	064.6	35.91	
304.0	046.0000	0071.7	038.5	038.1	000.7500	0078.3	065.3	35.72	
305.0	046.0000	0071.6	038.5	038.1	000.7500	0078.3	066.0	35.53	
306.0	046.0000	0071.5	038.5	038.1	000.7500	0078.4	066.6	35.34	
307.0	046.0000	0071.5	038.5	038.0	000.7500	0078.4	067.3	35.16	

Table 1

**Contour Protection "FM Over" Report****RE: WHRJ (FM) Gloucester Courthouse, VA****Hampton Roads Educational Telecommunications Association Inc.**

WHRX(FM) Nassawadox, VA

(page 4 of 6)

**Chesapeake RF Consultants, LLC**Radiofrequency Consulting Engineers  
Digital Television and Radio

10-26-2011      Terrain Data: NED 03 SEC      FMOver Analysis

WHRJ      BMPED20110223AAS

WHRX Proposed

Channel = 210A  
 Max ERP = 0.75 kW  
 RCAMSL = 95.1 M  
 N. Lat. 37 24 36.0  
 W. Lng. 76 32 52.0  
 Protected  
 60 dBu

Channel = 211B  
 Max ERP = 46 kW  
 RCAMSL = 72.5 M  
 N. Lat. 37 40 38.0  
 W. Lng. 75 43 37.0  
 Interfering  
 54 dBu

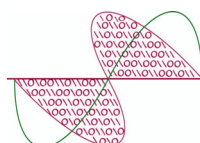
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
007.0	000.5243	0080.7	013.9	257.5	046.0000	0070.5	072.4	51.16	
008.0	000.5475	0079.7	013.9	257.5	046.0000	0070.5	072.1	51.23	
009.0	000.5712	0079.8	014.1	257.6	046.0000	0070.5	071.9	51.30	
010.0	000.5954	0078.9	014.2	257.5	046.0000	0070.5	071.6	51.37	
011.0	000.6249	0079.1	014.3	257.6	046.0000	0070.5	071.3	51.45	
012.0	000.6551	0078.3	014.4	257.6	046.0000	0070.5	071.0	51.52	
013.0	000.6860	0078.2	014.6	257.6	046.0000	0070.5	070.7	51.60	
014.0	000.7177	0078.6	014.8	257.7	046.0000	0070.5	070.4	51.69	
015.0	000.7500	0079.2	015.0	257.7	046.0000	0070.5	070.1	51.78	
016.0	000.7500	0077.8	014.9	257.5	046.0000	0070.5	069.9	51.82	
017.0	000.7500	0077.3	014.9	257.4	046.0000	0070.5	069.7	51.87	
018.0	000.7500	0076.6	014.8	257.2	046.0000	0070.5	069.5	51.92	
019.0	000.7500	0077.4	014.9	257.2	046.0000	0070.4	069.3	51.99	
020.0	000.7500	0078.4	015.0	257.1	046.0000	0070.4	069.0	52.06	
021.0	000.7500	0078.3	015.0	257.0	046.0000	0070.4	068.8	52.11	
022.0	000.7500	0078.3	014.9	256.9	046.0000	0070.4	068.6	52.17	
023.0	000.7500	0077.9	014.9	256.7	046.0000	0070.4	068.4	52.22	
024.0	000.7500	0078.4	015.0	256.6	046.0000	0070.3	068.1	52.28	
025.0	000.7500	0079.3	015.0	256.6	046.0000	0070.3	067.9	52.35	
026.0	000.7500	0080.0	015.1	256.5	046.0000	0070.3	067.6	52.42	
027.0	000.7500	0078.7	015.0	256.2	046.0000	0070.2	067.5	52.44	
028.0	000.7500	0077.7	014.9	256.0	046.0000	0070.2	067.4	52.47	
029.0	000.7500	0077.1	014.8	255.8	046.0000	0070.2	067.2	52.51	
030.0	000.7500	0077.4	014.9	255.7	046.0000	0070.2	067.0	52.57	
031.0	000.7500	0077.3	014.9	255.5	046.0000	0070.2	066.9	52.62	
032.0	000.7500	0077.3	014.8	255.4	046.0000	0070.2	066.7	52.66	
033.0	000.7500	0077.0	014.8	255.2	046.0000	0070.2	066.5	52.71	
034.0	000.7500	0076.6	014.8	255.0	046.0000	0070.2	066.4	52.74	
035.0	000.7500	0077.0	014.8	254.8	046.0000	0070.2	066.2	52.80	
036.0	000.7500	0078.0	014.9	254.7	046.0000	0070.2	066.0	52.86	
037.0	000.7500	0078.6	015.0	254.6	046.0000	0070.2	065.7	52.92	
038.0	000.7500	0078.5	015.0	254.4	046.0000	0070.2	065.6	52.96	
039.0	000.7500	0077.8	014.9	254.2	046.0000	0070.2	065.5	52.99	
040.0	000.7500	0078.4	015.0	254.0	046.0000	0070.2	065.3	53.04	
041.0	000.7500	0078.6	015.0	253.8	046.0000	0070.2	065.2	53.08	
042.0	000.7500	0078.8	015.0	253.6	046.0000	0070.2	065.0	53.12	
043.0	000.7500	0078.7	015.0	253.4	046.0000	0070.2	064.9	53.15	

Table 1

**Contour Protection "FM Over" Report****RE: WHRJ (FM) Gloucester Courthouse, VA****Hampton Roads Educational Telecommunications Association Inc.**

WHRX(FM) Nassawadox, VA

(page 5 of 6)

**Chesapeake RF Consultants, LLC**Radiofrequency Consulting Engineers  
Digital Television and Radio

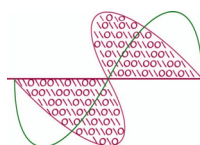
Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
044.0	000.7500	0079.9	015.1	253.3	046.0000	0070.1	064.6	53.22	
045.0	000.7500	0080.1	015.1	253.1	046.0000	0070.1	064.5	53.25	
046.0	000.7500	0079.6	015.1	252.9	046.0000	0070.0	064.4	53.27	
047.0	000.7500	0078.5	015.0	252.6	046.0000	0070.0	064.4	53.27	
048.0	000.7500	0078.4	015.0	252.4	046.0000	0070.0	064.3	53.29	
049.0	000.7500	0079.1	015.0	252.2	046.0000	0070.0	064.1	53.34	
050.0	000.7500	0079.7	015.1	252.0	046.0000	0069.9	064.0	53.38	
051.0	000.7500	0080.4	015.2	251.8	046.0000	0069.9	063.8	53.42	
052.0	000.7500	0081.7	015.3	251.6	046.0000	0069.9	063.6	53.48	
053.0	000.7500	0083.3	015.5	251.4	046.0000	0069.8	063.4	53.55	
054.0	000.7500	0084.4	015.6	251.2	046.0000	0069.8	063.2	53.60	
055.0	000.7500	0085.1	015.6	251.0	046.0000	0069.8	063.0	53.64	
056.0	000.7500	0085.5	015.7	250.8	046.0000	0069.9	062.9	53.68	
057.0	000.7500	0085.8	015.7	250.6	046.0000	0069.9	062.8	53.70	
058.0	000.7500	0086.2	015.8	250.3	046.0000	0069.9	062.7	53.73	
059.0	000.7500	0087.0	015.8	250.1	046.0000	0069.8	062.6	53.77	
060.0	000.7500	0087.8	015.9	249.8	046.0000	0069.8	062.5	53.80	
061.0	000.7500	0087.4	015.9	249.6	046.0000	0069.7	062.5	53.80	
062.0	000.7500	0087.3	015.9	249.3	046.0000	0069.7	062.4	53.80	
063.0	000.7500	0087.5	015.9	249.1	046.0000	0069.6	062.4	53.82	
064.0	000.7500	0087.7	015.9	248.8	046.0000	0069.6	062.3	53.83	
065.0	000.7500	0087.5	015.9	248.6	046.0000	0069.6	062.3	53.83	
066.0	000.7500	0087.6	015.9	248.3	046.0000	0069.6	062.3	53.83	
067.0	000.7500	0088.0	015.9	248.1	046.0000	0069.6	062.3	53.85	
068.0	000.7500	0088.4	016.0	247.8	046.0000	0069.7	062.2	53.86	
069.0	000.7500	0089.0	016.1	247.5	046.0000	0069.7	062.2	53.88	
070.0	000.7500	0089.8	016.1	247.3	046.0000	0069.6	062.1	53.90	
071.0	000.7500	0090.0	016.2	247.0	046.0000	0069.6	062.1	53.90	
072.0	000.7500	0090.4	016.2	246.8	046.0000	0069.5	062.1	53.90	
073.0	000.7500	0090.6	016.2	246.5	046.0000	0069.5	062.1	53.89	
074.0	000.7500	0090.8	016.3	246.2	046.0000	0069.4	062.1	53.88	
075.0	000.7500	0090.9	016.3	246.0	046.0000	0069.4	062.1	53.87	
076.0	000.7500	0090.8	016.3	245.7	046.0000	0069.3	062.2	53.85	
077.0	000.7500	0091.2	016.3	245.5	046.0000	0069.2	062.2	53.84	
078.0	000.7500	0091.6	016.3	245.2	046.0000	0069.2	062.2	53.83	
079.0	000.7500	0091.9	016.4	244.9	046.0000	0069.2	062.3	53.82	
080.0	000.7500	0092.3	016.4	244.7	046.0000	0069.1	062.3	53.80	
081.0	000.7500	0092.8	016.5	244.4	046.0000	0069.2	062.3	53.80	
082.0	000.7500	0093.1	016.5	244.1	046.0000	0069.1	062.4	53.78	
083.0	000.7500	0093.4	016.5	243.9	046.0000	0069.0	062.5	53.75	
084.0	000.7500	0093.6	016.6	243.6	046.0000	0068.9	062.5	53.72	
085.0	000.7500	0093.6	016.6	243.4	046.0000	0068.9	062.6	53.69	
086.0	000.7500	0093.5	016.5	243.1	046.0000	0068.8	062.8	53.65	
087.0	000.7500	0093.3	016.5	242.9	046.0000	0068.7	062.9	53.60	
088.0	000.7223	0092.9	016.3	242.7	046.0000	0068.7	063.2	53.51	
089.0	000.6950	0092.7	016.1	242.6	046.0000	0068.6	063.5	53.42	
090.0	000.6684	0092.5	015.9	242.5	046.0000	0068.6	063.8	53.33	
091.0	000.6412	0092.1	015.7	242.3	046.0000	0068.5	064.2	53.23	
092.0	000.6145	0091.9	015.5	242.2	046.0000	0068.5	064.5	53.14	
093.0	000.5885	0091.7	015.3	242.1	046.0000	0068.4	064.8	53.06	
094.0	000.5630	0091.7	015.1	242.0	046.0000	0068.4	065.1	52.98	
095.0	000.5381	0091.8	014.9	241.9	046.0000	0068.4	065.4	52.90	

Table 1

**Contour Protection "FM Over" Report****RE: WHRJ (FM) Gloucester Courthouse, VA****Hampton Roads Educational Telecommunications Association Inc.**

WHRX(FM) Nassawadox, VA

(page 6 of 6)

**Chesapeake RF Consultants, LLC**Radiofrequency Consulting Engineers  
Digital Television and Radio

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)	IX (km)
096.0	000.5137	0091.9	014.8	241.8	046.0000	0068.3	065.6	52.82	
097.0	000.4899	0092.0	014.6	241.7	046.0000	0068.3	065.9	52.74	
098.0	000.4667	0092.0	014.4	241.6	046.0000	0068.3	066.2	52.65	
099.0	000.4440	0092.3	014.2	241.5	046.0000	0068.2	066.5	52.58	
100.0	000.4219	0092.9	014.1	241.4	046.0000	0068.2	066.8	52.51	
101.0	000.4047	0093.6	014.0	241.3	046.0000	0068.2	067.0	52.44	
102.0	000.3879	0094.0	013.9	241.2	046.0000	0068.2	067.2	52.38	
103.0	000.3715	0094.3	013.8	241.1	046.0000	0068.2	067.5	52.31	
104.0	000.3554	0094.2	013.6	241.1	046.0000	0068.2	067.8	52.23	
105.0	000.3397	0094.0	013.4	241.0	046.0000	0068.2	068.1	52.16	
106.0	000.3243	0094.0	013.3	241.0	046.0000	0068.2	068.3	52.09	
107.0	000.3093	0093.8	013.1	240.9	046.0000	0068.2	068.6	52.01	
108.0	000.2947	0093.5	013.0	240.9	046.0000	0068.2	068.9	51.93	
109.0	000.2804	0093.2	012.8	240.9	046.0000	0068.2	069.2	51.86	
110.0	000.2664	0093.2	012.6	240.9	046.0000	0068.2	069.5	51.79	
111.0	000.2555	0093.1	012.5	240.8	046.0000	0068.1	069.7	51.72	
112.0	000.2449	0092.8	012.3	240.8	046.0000	0068.1	070.0	51.65	
113.0	000.2344	0092.8	012.2	240.8	046.0000	0068.1	070.2	51.58	
114.0	000.2242	0092.7	012.1	240.8	046.0000	0068.1	070.5	51.51	
115.0	000.2143	0092.5	011.9	240.8	046.0000	0068.1	070.7	51.45	
116.0	000.2045	0092.2	011.8	240.8	046.0000	0068.1	071.0	51.38	
117.0	000.1950	0092.1	011.7	240.8	046.0000	0068.1	071.2	51.32	
118.0	000.1857	0092.1	011.5	240.8	046.0000	0068.1	071.5	51.25	
119.0	000.1766	0092.2	011.4	240.8	046.0000	0068.1	071.7	51.19	
120.0	000.1678	0092.2	011.2	240.8	046.0000	0068.1	071.9	51.13	
121.0	000.1610	0092.2	011.1	240.8	046.0000	0068.1	072.2	51.07	
122.0	000.1543	0092.2	011.0	240.8	046.0000	0068.1	072.4	51.01	
123.0	000.1478	0092.1	010.9	240.8	046.0000	0068.1	072.6	50.95	
124.0	000.1414	0092.1	010.8	240.8	046.0000	0068.1	072.8	50.89	
125.0	000.1352	0092.0	010.7	240.8	046.0000	0068.2	073.1	50.84	
126.0	000.1290	0092.0	010.5	240.9	046.0000	0068.2	073.3	50.78	

**Section VII Preparer's Certification**

I certify that I have prepared Section VII (Engineering Data) on behalf of the applicant, and that after such preparation, I have examined and found it to be accurate and true to the best of my knowledge and belief.

Name JOSEPH M. DAVIS, P.E.	Relationship to Applicant (e.g., Consulting Engineer) CONSULTING ENGINEER	
Signature	Date 10/27/2011	
Mailing Address CHESAPEAKE RF CONSULTANTS LLC 207 OLD DOMINION ROAD		
City YORKTOWN	State or Country (if foreign address) VA	Zip Code 23692-
Telephone Number (include area code) 7036509600	E-Mail Address (if available) JOSEPH.DAVIS@RF-CONSULTANTS.COM	

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND/OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a)(1)), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).

**Section VII - FM Engineering****TECHNICAL SPECIFICATIONS**

Ensure that the specifications below are accurate. Contradicting data found elsewhere in this application will be disregarded. All items must be completed. The response "on file" is not acceptable.

**TECH BOX**

1.	Channel Number: 211											
2.	Class (select one): <input type="radio"/> D <input type="radio"/> A <input type="radio"/> B1 <input checked="" type="radio"/> B <input type="radio"/> C3 <input type="radio"/> C2 <input type="radio"/> C1 <input type="radio"/> C0 <input type="radio"/> C											
3.	Antenna Location Coordinates: (NAD 27) Latitude: Degrees 37 Minutes 40 Seconds 38 <input checked="" type="radio"/> North <input type="radio"/> South Longitude: Degrees 75 Minutes 43 Seconds 37 <input checked="" type="radio"/> West <input type="radio"/> East											
4.	Proposed Assignment Coordinates: (NAD 27) - RESERVED CHANNELS ABOVE 220 ONLY <input checked="" type="checkbox"/> Not Applicable Latitude: Degrees Minutes Seconds <input type="radio"/> North <input type="radio"/> South Longitude: Degrees Minutes Seconds <input type="radio"/> West <input type="radio"/> East											
5.	Antenna Structure Registration Number: 1027475 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Notification filed with FAA											
6.	Overall Tower Height Above Ground Level:										67.1 meters	
7.	Height of Radiation Center Above Mean Sea Level:										72.5 meters(H) 72.5 meters(V)	
8.	Height of Radiation Center Above Ground Level:										59.1 meters(H) 59.1 meters(V)	
9.	Height of Radiation Center Above Average Terrain:										68.0 meters(H) 68.0 meters(V)	
10.	Effective Radiated Power:										46 kW(H) 46 kW(V)	
11.	Maximum Effective Radiated Power: (Beam-Tilt Antenna ONLY) <input checked="" type="checkbox"/> Not Applicable										kW(H) kW(V)	
12.	Directional Antenna Relative Field Values: <input checked="" type="checkbox"/> Not applicable (Nondirectional) Rotation (Degrees): <input type="checkbox"/> No Rotation											
	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value	Degrees	Value
	0		10		20		30		40		50	
	60		70		80		90		100		110	
	120		130		140		150		160		170	
	180		190		200		210		220		230	
	240		250		260		270		280		290	
	300		310		320		330		340		350	
	Additional Azimuths											

[Relative Field Polar Plot](#)

<b>NOTE: In addition to the information called for in this section, an explanatory exhibit providing full particulars must be submitted for each question for which a "No" response is provided.</b>	
<b>CERTIFICATION</b>	
<b>AUXILIARY ANTENNA APPLICANTS ARE NOT REQUIRED TO RESPOND TO ITEMS 13-17. PROCEED TO ITEM 18.</b>	
13.	<b>Main Studio Location.</b> The proposed main studio location complies with 47 C.F.R. Section 73.1125. <input type="radio"/> Yes <input checked="" type="radio"/> No See Explanation in [Exhibit 15]
14.	<b>Community Coverage.</b> The proposed facility complies with 47 C.F.R. Section 73.315. (Channels 221 and above) or 47 C.F.R. Section 73.515 (Channels 220 and below). <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 16]
15.	<b>Interference.</b> The proposed facility complies with all of the following applicable rule sections. Check all that apply: <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 17]
<b>Contour Overlap Requirements.</b>	
a. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.509 <b>Exhibit Required.</b> [Exhibit 18]	
<b>Spacing Requirements.</b>	
b. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.207 with respect to station(s)	
<b>Grandfathered Short-Spaced.</b>	
c. <input type="checkbox"/> 47 C.F.R. Section 73.213(a) with respect to station(s) <b>Exhibit Required.</b> [Exhibit 19]	
<b>Contour Protection.</b>	
d. <input type="checkbox"/> 47 C.F.R. Section 73.215(a) with respect to station(s) <b>Exhibit Required.</b> [Exhibit 20]	
<b>Television Channel 6 Protection.</b>	
e. <input checked="" type="checkbox"/> 47 C.F.R. Section 73.525 with respect to station(s) <b>Exhibit Required.</b> [Exhibit 21]	
16.	<b>Reserved Channels Above 220.</b> a. <b>Availability of Channels.</b> The proposed facility complies with the assignment requirements of 47 C.F.R. Section 73.203. <input type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 22]
17.	<b>International Borders.</b> The proposed antenna location is not within 320 kilometers of the common border between the United States and Canada or Mexico. <input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> Canada <input type="radio"/> Mexico [Exhibit 23] If "No," specify the country and provide an exhibit of compliance with all provisions of the relevant International Agreement.
18.	<b>Environmental Protection Act.</b> The proposed facility is excluded from environmental processing under 47. C.F.R. Section 1.1306 (i.e., The facility will not have a significant environmental impact and complies with the maximum permissible radiofrequency electromagnetic exposure limits for controlled and uncontrolled environments). Unless the applicant can determine compliance through the use of the RF worksheets in Worksheet #7, an <b>Exhibit is required.</b> <input checked="" type="radio"/> Yes <input type="radio"/> No See Explanation in [Exhibit 24] By checking "Yes" above, the applicant also certifies that it, in coordination with other users of the site, will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic exposure in excess of FCC guidelines.
19.	<b>Community of License Change - Section 307(b).</b> If the application is being submitted to change the facility's community of license, then the applicant certifies that it has attached an exhibit containing information demonstrating that the proposed community of license change comports with the fair distribution of service policies underlying Section 307(b) of the Communications Act of 1934, as amended (47 U.S.C. Section 307(b)). <input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A [Exhibit 25] An exhibit is required unless this question is not applicable.
<b>PREPARER'S CERTIFICATION ON PAGE 8 MUST BE COMPLETED AND SIGNED.</b>	