

Exhibit 30 – Statement A
NATURE OF THE PROPOSAL
prepared for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW(Max-DA) 223 m

CBS Radio Inc. of Washington, DC (“*CBS Radio*”), licensee¹ of WJFK-FM (Ch. 294B, Manassas, VA), herein proposes changes to the WJFK-FM main antenna directional pattern and maximum effective radiated power (“ERP”). This application is contingent on the changes specified in the simultaneously-filed Application for Construction Permit of WWMX(FM) (Ch. 294B, Baltimore, MD).²

The proposed facility will operate with an ERP of 20 kW (Max-DA) with no changes in coordinates or height. As shown in the attached **Exhibit 30 – Figure 1** coverage contour map, continued principal community coverage of Manassas, Virginia is predicted. The conventionally-predicted 70 dB μ contour encompasses 92% of the area and 100% of the population of Manassas, which exceeds the present policy minimum. Coverage was also predicted using the Longley-Rice method. As shown by the blue contour line in the same exhibit and the following table, the first occurrence of a Longley-Rice predicted field strength less than 70 dB μ is well beyond the conventionally predicted contour and easily encompasses the principal community.

<u>Azimuth</u>	<u>FCC-Method</u> <u>70 dBμ Distance</u>	<u>Longley-Rice Method</u> <u>70 dBμ Distance</u>	<u>Difference</u>
235°	30.4 km	41.8 km	11.4 km (+27.3%)
240°	30.1 km	45.6 km	15.5 km (+34.0%)
245°	29.9 km	44.1 km	14.2 km (+32.2%)

As detailed in the table on the following page, the proposed facility will remain short spaced to multiple stations.

¹ FCC File Number BMLH-20081216BLA.

² Notably, the WWMX(FM) application is not contingent on changes proposed for WJFK-FM. Thus, *CBS Radio* respectfully requests that the WWMX(FM) Construction Permit not be conditioned on construction of the proposed WJFK-FM facility.

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 (page 2 of 4)

REFERENCE						DISPLAY DATES		
38 52 28.0 N.		CLASS = B				DATA	10-22-12	
77 13 24.0 W.		Current Spacings to 3rd Adj.				SEARCH	10-22-12	
----- Channel 294 - 106.7 MHz -----								
Call	Channel	Location		Azi	Dist	FCC	Margin	

WJFK-FM	LIC-D 294B	Manassas	VA	0.0	0.00	241.0	-241.0	
WWMX	LIC 293B	Baltimore	MD	43.8	71.33	169.0	-97.7	
WWEF	LIC 295B	Myersville	MD	334.4	77.04	169.0	-92.0	
WZCY-FM	LIC 294B	Hershey	PA	20.2	153.69	241.0	-87.3	
WRQX	LIC 297B	Washington	DC	55.8	15.03	74.0	-59.0	
WBTJ	LIC-D 293B	Richmond	VA	192.4	154.76	169.0	-14.2	
WAFX	LIC 295C	Suffolk	VA	169.7	233.62	217.0	16.6	

According to information retrieved from the FCC Media Bureau Reference Room and the FCC's CDBS engineering database, it is understood that the short spacings to WZCY-FM, WWMX(FM), WVEF(FM), WBTJ(FM), and WRQX(FM) have existed since 1964 when the minimum distance spacing table was enacted. Therefore, WJFK-FM operates under the grandfathering provisions of §73.213(a) with respect to those stations.

An overview of the licensed and proposed WWMX protected and interfering contours is provided in **Exhibit 30 - Figure 2** for co-channel station WZCY-FM and in **Exhibit 30 - Figure 3** for first-adjacent stations WWMX(FM), WVEF(FM), and WBTJ(FM).

Interference areas were predicted and evaluated using the procedure specified in §73.213(a). The results of the interference area studies are provided in **Exhibit 30 – Figures 4 – 19** and summarized below. Notably, the proposed change, along with the proposed modification to WWMX, results in a decrease in the total area and population subject to co-channel or first-adjacent interference, caused and received. Further, there is no increase in interference area or population from the proposed facility to any co-channel or first-adjacent short-spaced station. Thus, it is believed that the proposed facility changes serve the public interest as specified in §73.213(a)(2).

There is no further study of the WJFK-FM proposal with respect to third-adjacent station WRQX because §73.213(a)(4) excludes grandfathered third-adjacent stations from distance separation and interference requirements.

Exhibit 30 - Statement A
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(page 3 of 4)

Interference Area	Licensed WJFK-FM	Proposed WJFK-FM	Difference
WZCY-FM from WJFK-FM	Area: 884.5 km ² Population: 83,605 Exhibit 30 – Figure 4	Area: 882.3 km ² Population: 83,589 Exhibit 30 – Figure 5	Area: -2.2 km ² Population: -16
WWMX(FM) (Licensed or Proposed) from WJFK-FM	Area: 2,729.3 km ² Population: 2,433,044 (To Licensed WWMX) Exhibit 30 – Figure 8	Area: 2,723.8 km ² Population: 2,373,388 (To Proposed WWMX) Exhibit 30 – Figure 9	Area: -5.5 km ² Population: -59,656
WWEG(FM) from WJFK-FM	Area: 2,858.6 km ² Population: 1,133,842 Exhibit 30 – Figure 12	Area: 2,832.9 km ² Population: 1,132,035 Exhibit 30 – Figure 13	Area: -25.7 km ² Population: -1,807
WBTJ(FM) from WJFK-FM	Area: 20.3 km ² Population: 438 Exhibit 30 – Figure 16	Area: 17.3 km ² Population: 120 Exhibit 30 – Figure 17	Area: -3 km ² Population: -318
WZCY-FM to WJFK-FM	Area: 1,368.0 km ² Population: 359,918 Exhibit 30 – Figure 6	Area: 1,389.1 km ² Population: 367,926 Exhibit 30 – Figure 7	Area: 21.1 km ² Population: 8,008
WWMX(FM) (Licensed or Proposed) to WJFK-FM	Area: 2,753.6 km ² Population: 1,430,230 (From Licensed WWMX) Exhibit 30 – Figure 10	Area: 2,726.2 km ² Population: 1,367,248 (From Proposed WWMX) Exhibit 30 – Figure 11	Area: -27.4 km ² Population: -62,982
WWEG(FM) to WJFK-FM	Area: 2,768.3 km ² Population: 757,181 Exhibit 30 – Figure 14	Area: 2,761.7 km ² Population: 760,743 Exhibit 30 – Figure 15	Area: -6.6 km ² Population: 3,562
WBTJ(FM) to WJFK-FM	Area: 8.0 km ² Population: 2,736 Exhibit 30 – Figure 18	Area: 6.5 km ² Population: 2,787 Exhibit 30 – Figure 19	Area: -1.5 km ² Population: 51
Total	Area: 13,390.6 km ² Population: 6,200,994	Area: 13,339.8 km ² Population: 6,087,836	Area: -50.8 km ² Population: -113,158

Pertinent data for determining the distances to the contour included the antenna elevation above mean sea level, geographic coordinates, effective radiated power, and, where appropriate, directional antenna patterns. The contours were determined using digitized 3 arc-second U.S.G.S. terrain data along radials spaced every degree from the transmitter site and an implementation of the Commission's TVFMFS computer program which simulates the FM propagation curves. The detailed distances to the principal community contours were then used with a GIS mapping program to generate the attached maps.

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(page 4 of 4)

The proposed site is located more than 400 km from both the Canadian and Mexican borders, well beyond the coordination distances with either country. The nearest FCC monitoring station is 47.5 km distant at Laurel, Maryland. This distance exceeds by a great margin the threshold minimum distance specified in §73.1030 that would suggest consideration of the monitoring station. With respect to AM stations, according to information extracted from the Commission's Media Bureau database, there are no facilities within 3.2 km of the site.

It is therefore believed that the proposed facility satisfies all of the pertinent Commission Rules and Policies now in effect regarding allocation matters.

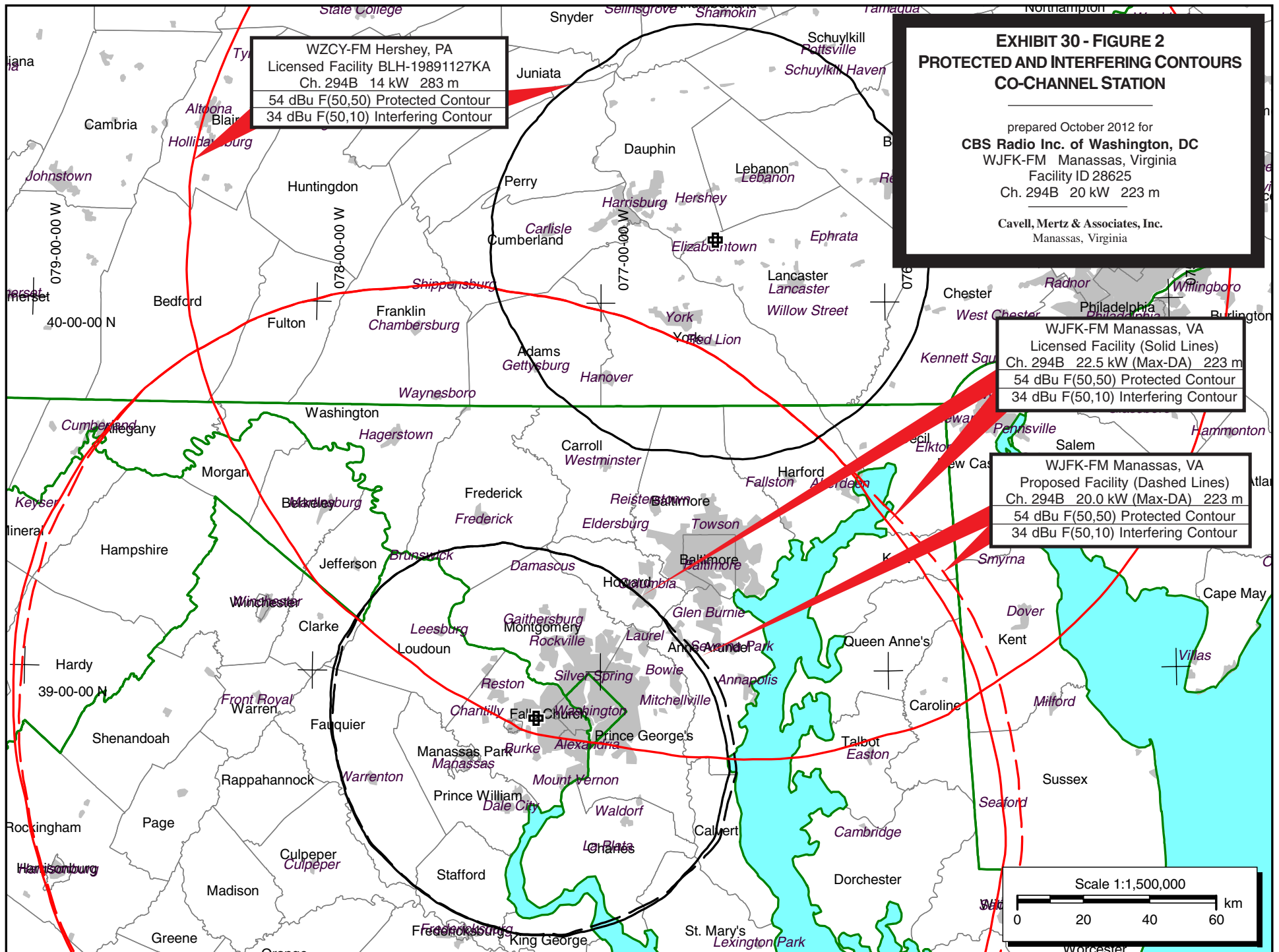


EXHIBIT 30 - FIGURE 3 **PROTECTED AND INTERFERING CONTOURS** **FIRST-ADJACENT CHANNEL STATIONS**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
 WJFK-FM Manassas, Virginia
 Facility ID 28625
 Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
 Manassas, Virginia

WWMX(FM) Baltimore, MD
 Licensed Facility (Solid Lines)
 Ch. 293B 8.3 kW 347 m
 54 dBu F(50,50) Protected Contour
 48 dBu F(50,10) Interfering Contour

WWEG(FM) Myersville, MD
 Licensed Facility BLH-20070518AAX
 Ch. 295B 15.5 kW 260 m
 54 dBu F(50,50) Protected Contour
 48 dBu F(50,10) Interfering Contour

WJFK-FM Manassas, VA
 Licensed Facility (Solid Lines)
 Ch. 294B 22.5 kW (Max-DA) 223 m
 54 dBu F(50,50) Protected Contour
 48 dBu F(50,10) Interfering Contour

WJFK-FM Manassas, VA
 Proposed Facility (Dashed Lines)
 Ch. 294B 20.0 kW (Max-DA) 223 m
 54 dBu F(50,50) Protected Contour
 48 dBu F(50,10) Interfering Contour

WBTJ(FM) Richmond, VA
 Licensed Facility BLH-20101005ACH
 Ch. 293B 14.5 kW (Max-DA) 280 m
 54 dBu F(50,50) Protected Contour
 48 dBu F(50,10) Interfering Contour

WWMX(FM) Baltimore, MD
 Proposed Facility (Dashed Lines)
 Ch. 293B 11.0 kW 288.2 m
 54 dBu F(50,50) Protected Contour
 48 dBu F(50,10) Interfering Contour

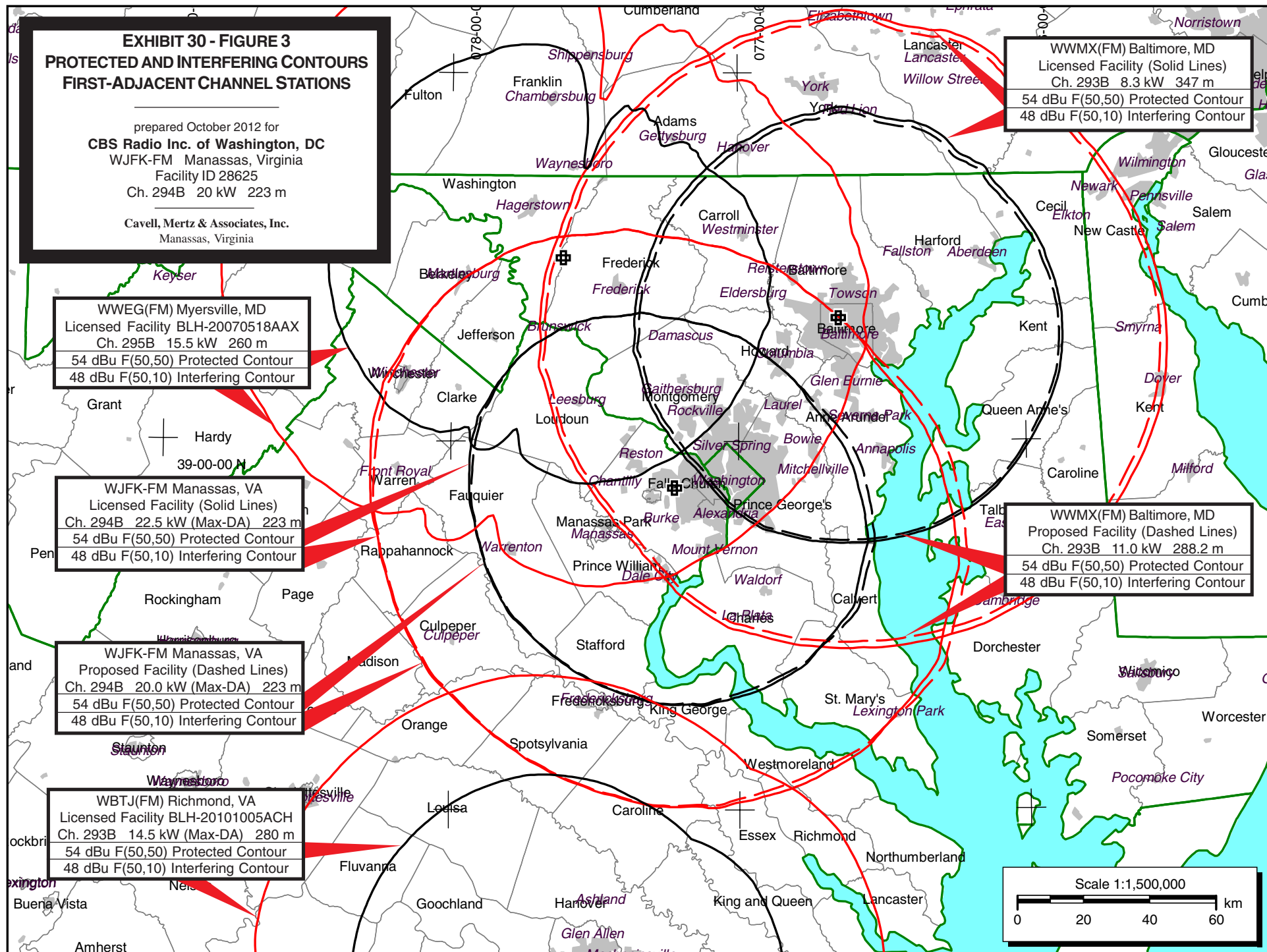
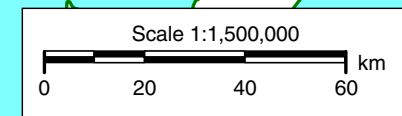


EXHIBIT 30 - FIGURE 4 **WZCY-FM PREDICTED INTERFERENCE** **FROM LICENSED WJFK-FM**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WZCY-FM Hershey, PA
Licensed Facility BLH-19891127KA
Ch. 294B 14 kW 283 m
54 dBu F(50,50) Protected Contour

WJFK-FM Manassas, VA
Licensed Facility BMLH-20081216BLA
Ch. 294B 22.5 kW (Max-DA) 223 m
34 dBu F(50,10) Interfering Contour

Existing Interference Within 54 dBu Contour:
Area (sq km) 884.5
Population (2010 Census) 83,605

Scale 1:1,250,000
0 10 20 30 km

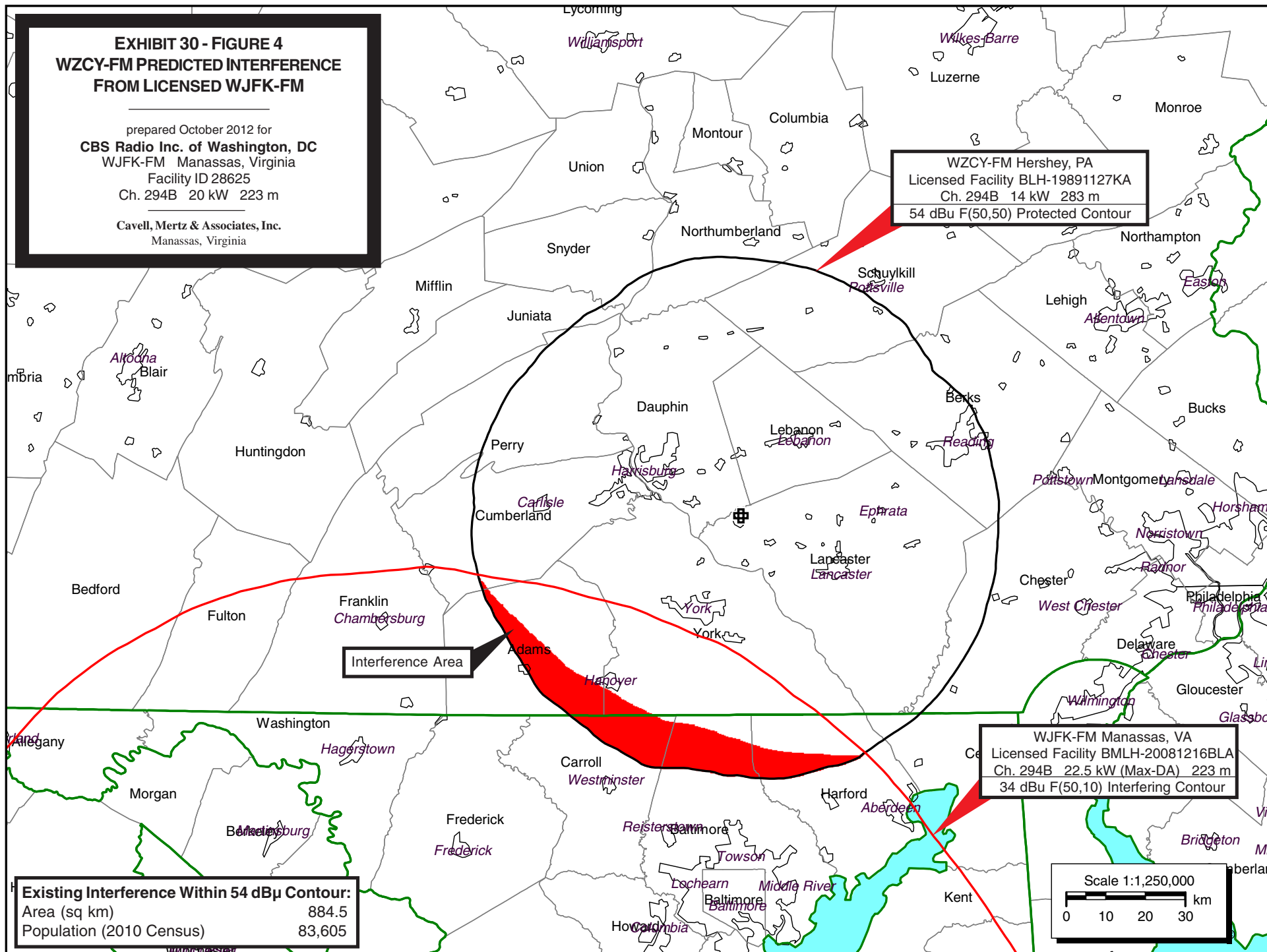


EXHIBIT 30 - FIGURE 5

WZCY-FM PREDICTED INTERFERENCE FROM PROPOSED WJFK-FM

prepared October 2012 for
CBS Radio Inc. of Washington, DC
 WJFK-FM Manassas, Virginia
 Facility ID 28625
 Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
 Manassas, Virginia

WZCY-FM Hershey, PA
 Licensed Facility BLH-19891127KA
 Ch. 294B 14 kW 283 m
 54 dBu F(50,50) Protected Contour

WJFK-FM Manassas, VA
 Proposed Facility
 Ch. 294B 20 kW (Max-DA) 223 m
 34 dBu F(50,10) Interfering Contour

Proposed Interference Within 54 dBu Contour:
 Area (sq km) 882.3
 Population (2010 Census) 83,589

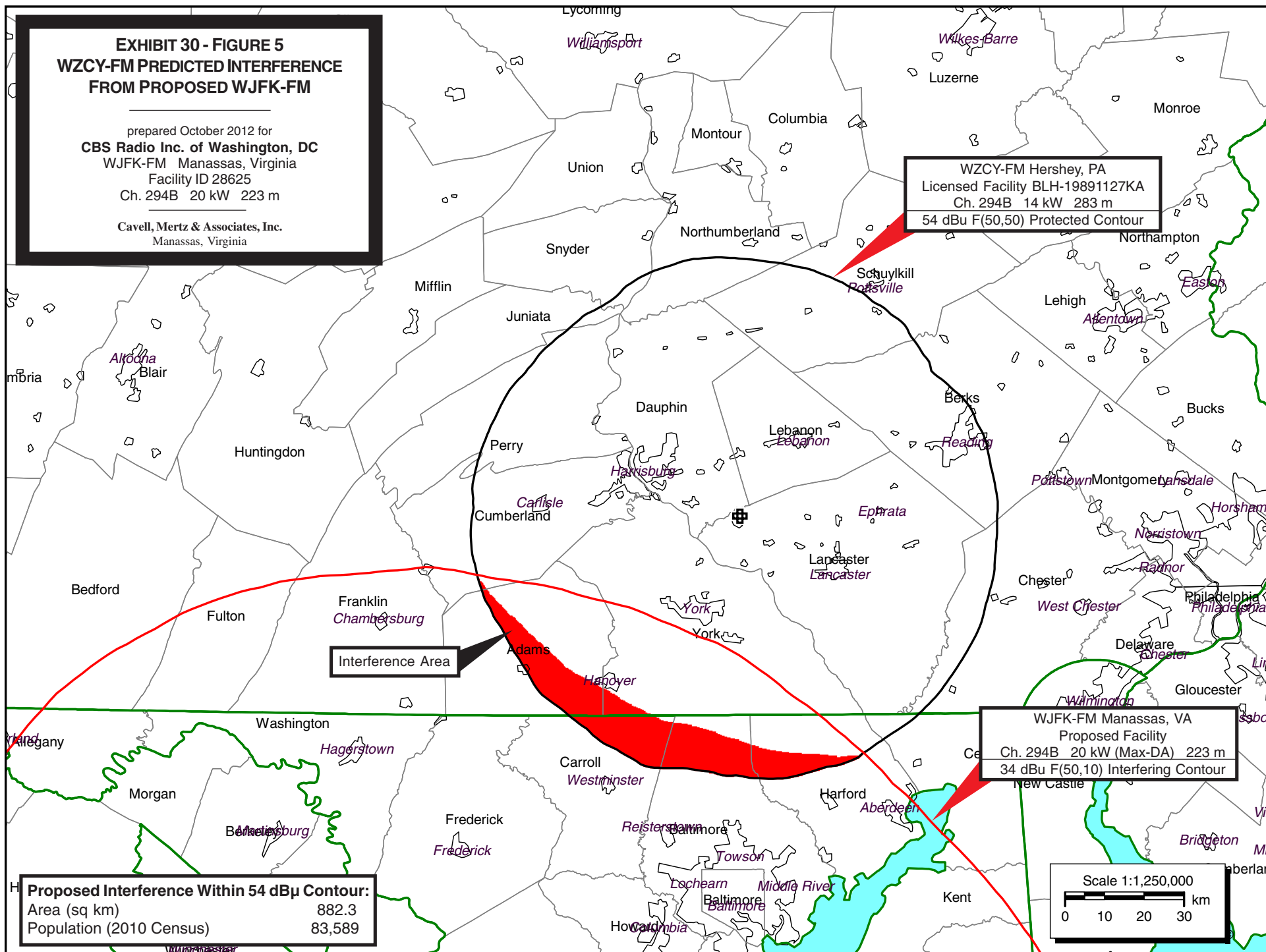
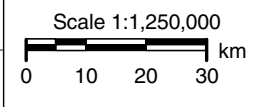


EXHIBIT 30 - FIGURE 6 **WZCY-FM PREDICTED INTERFERENCE** **TO LICENSED WJFK(FM)**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WZCY-FM Hershey, PA
Licensed Facility BLH-19891127KA
Ch. 294B 14 kW 283 m
34 dBu F(50,10) Interfering Contour

WJFK-FM Manassas, VA
Licensed Facility BMLH-20081216BLA
Ch. 294B 22.5 kW (Max-DA) 223 m
54 dBu F(50,50) Protected Contour

Interference Area

Existing Interference Within 54 dBu Contour:
Area (sq km) 1,368.0
Population (2010 Census) 359,918

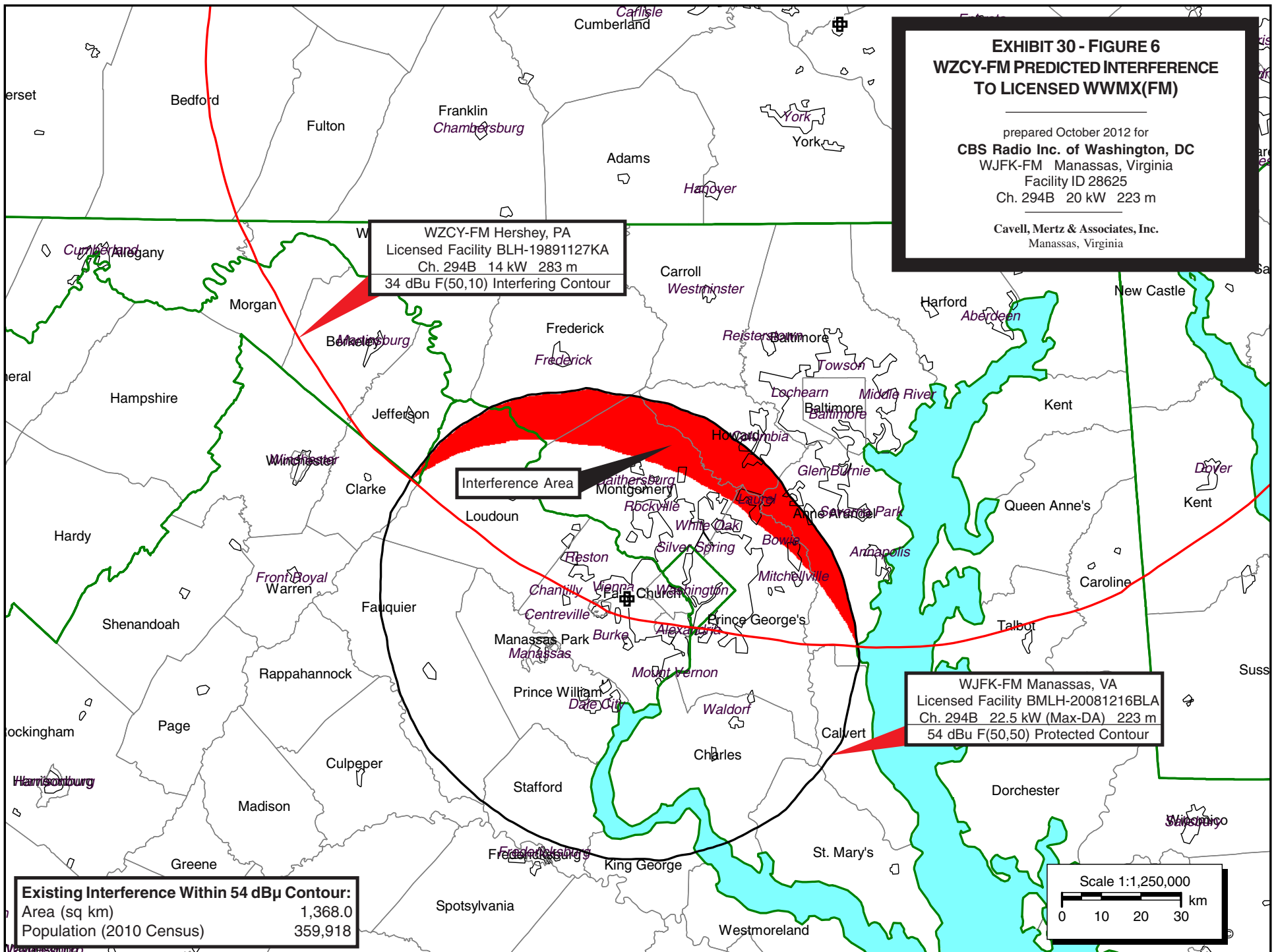
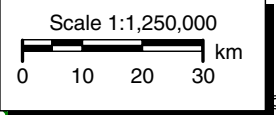


EXHIBIT 30 - FIGURE 7 WZCY-FM PREDICTED INTERFERENCE TO PROPOSED WJFK-FM

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WZCY-FM Hershey, PA
Licensed Facility BLH-19891127KA
Ch. 294B 14 kW 283 m
34 dBu F(50,10) Interfering Contour

Interference Area

WJFK-FM Manassas, VA
Proposed Facility
Ch. 294B 20 kW (Max-DA) 223 m
54 dBu F(50,50) Protected Contour

Proposed Interference Within 54 dBu Contour:
Area (sq km) 1,389.1
Population (2010 Census) 367,926

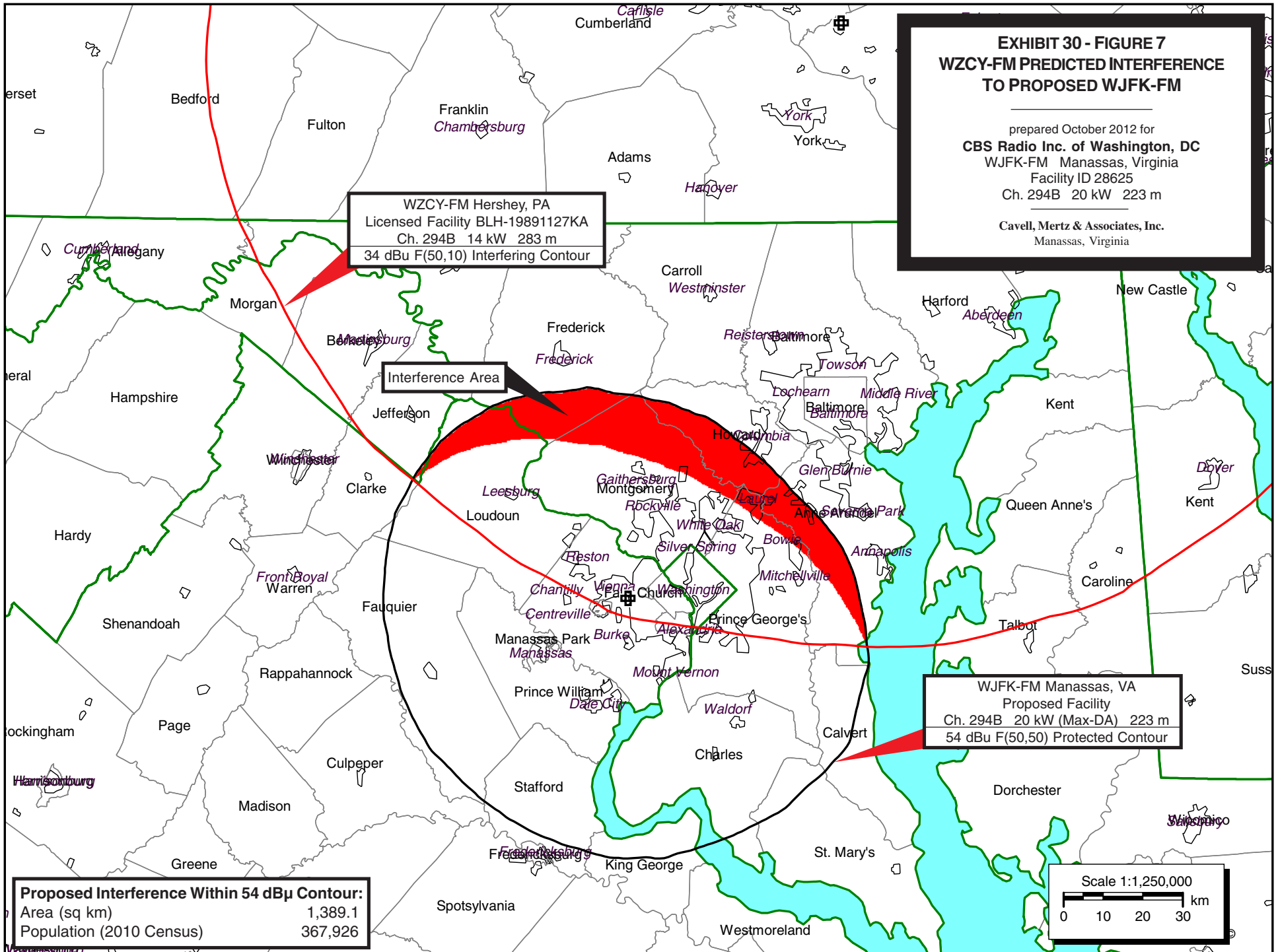
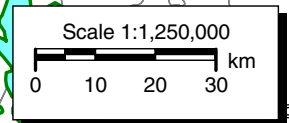


EXHIBIT 30 - FIGURE 8 **WWMX(FM) PREDICTED INTERFERENCE** **FROM LICENSED WJFK-FM**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WWMX(FM) Baltimore, MD
Licensed Facility BLH-20030502AAI
Ch. 293B 8.3 kW 347 m
54 dBu F(50,50) Protected Contour

WJFK-FM Manassas, VA
Licensed Facility BMLH-20081216BLA
Ch. 294B 22.5 kW (Max-DA) 223 m
48 dBu F(50,10) Interfering Contour

Existing Interference Within 54 dBu Contour:
Area (sq km) 2,729.3
Population (2010 Census) 2,433,044

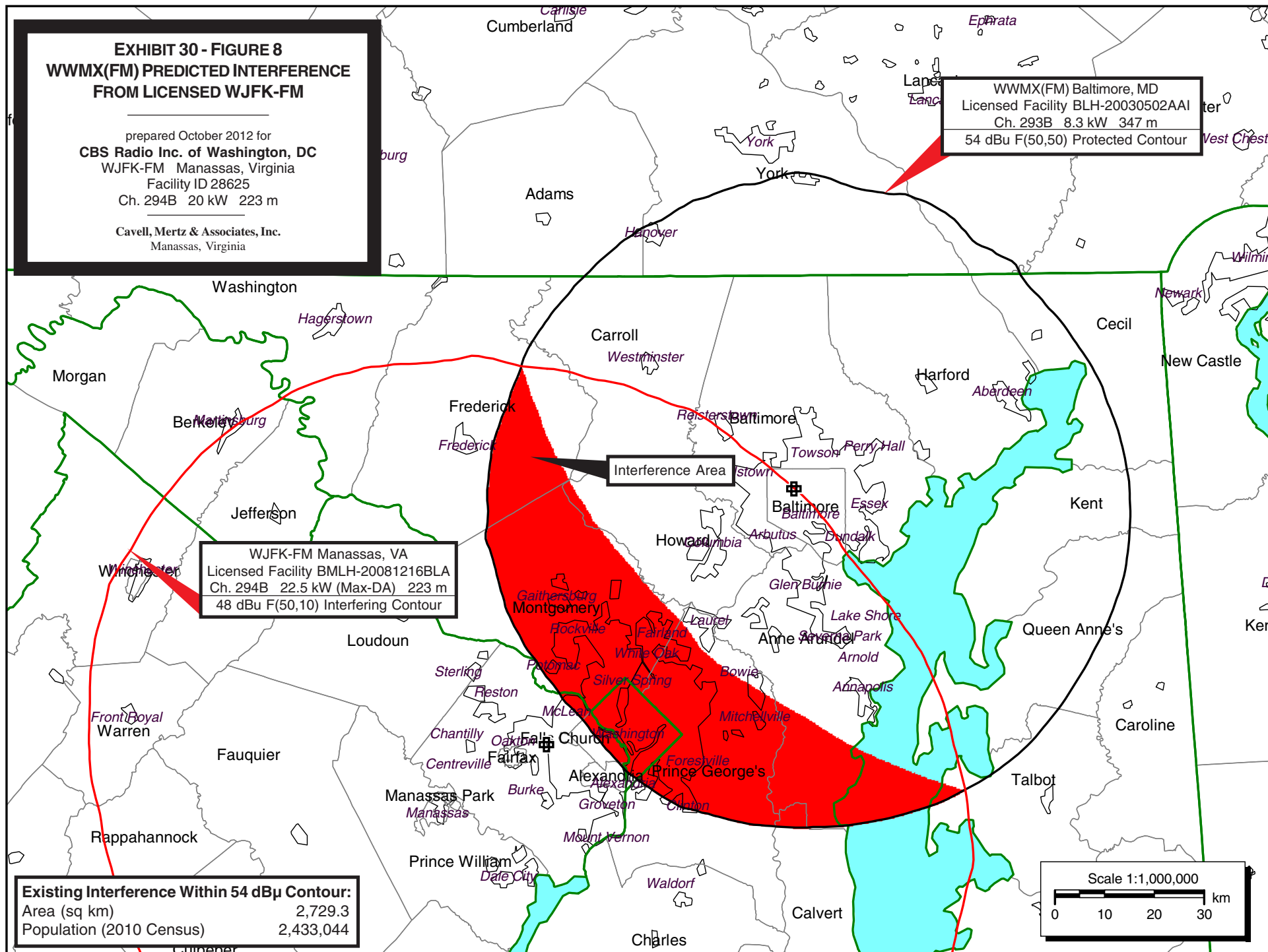


EXHIBIT 30 - FIGURE 9 **WWMX(FM) PREDICTED INTERFERENCE** **FROM PROPOSED WJFK-FM**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WWMX(FM) Baltimore, MD
Licensed Facility BLH-20030502AAI
Ch. 293B 8.3 kW 347 m
54 dBu F(50,50) Protected Contour

WJFK-FM Manassas, VA
Proposed Facility
Ch. 294B 20 kW (Max-DA) 223 m
48 dBu F(50,10) Interfering Contour

Proposed Interference Within 54 dBu Contour:
Area (sq km) 2,723.8
Population (2010 Census) 2,373,388

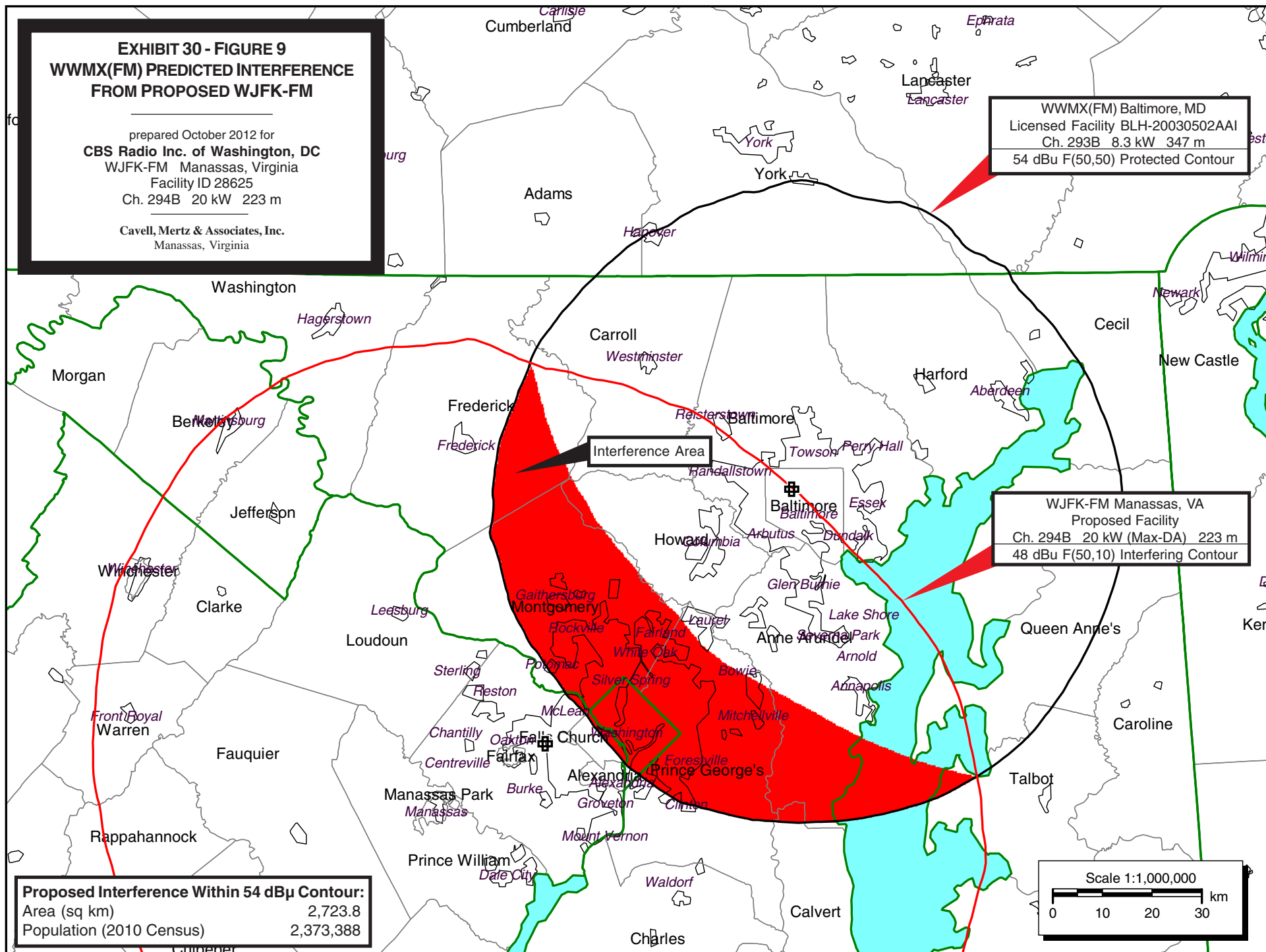
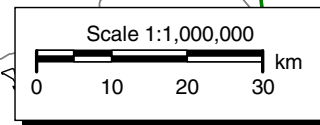


EXHIBIT 30 - FIGURE 10 **WWMX(FM) PREDICTED INTERFERENCE** **TO LICENSED WJFK-FM**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WWMX(FM) Baltimore, MD
Licensed Facility BLH-20030502AAI
Ch. 293B 8.3 kW 347 m
48 dBu F(50,10) Interfering Contour

WJFK-FM Manassas, VA
Licensed Facility BMLH-20081216BLA
Ch. 294B 22.5 kW (Max-DA) 223 m
54 dBu F(50,50) Protected Contour

Interference Area

Existing Interference Within 54 dBu Contour:
Area (sq km) 2,753.6
Population (2010 Census) 1,430,230

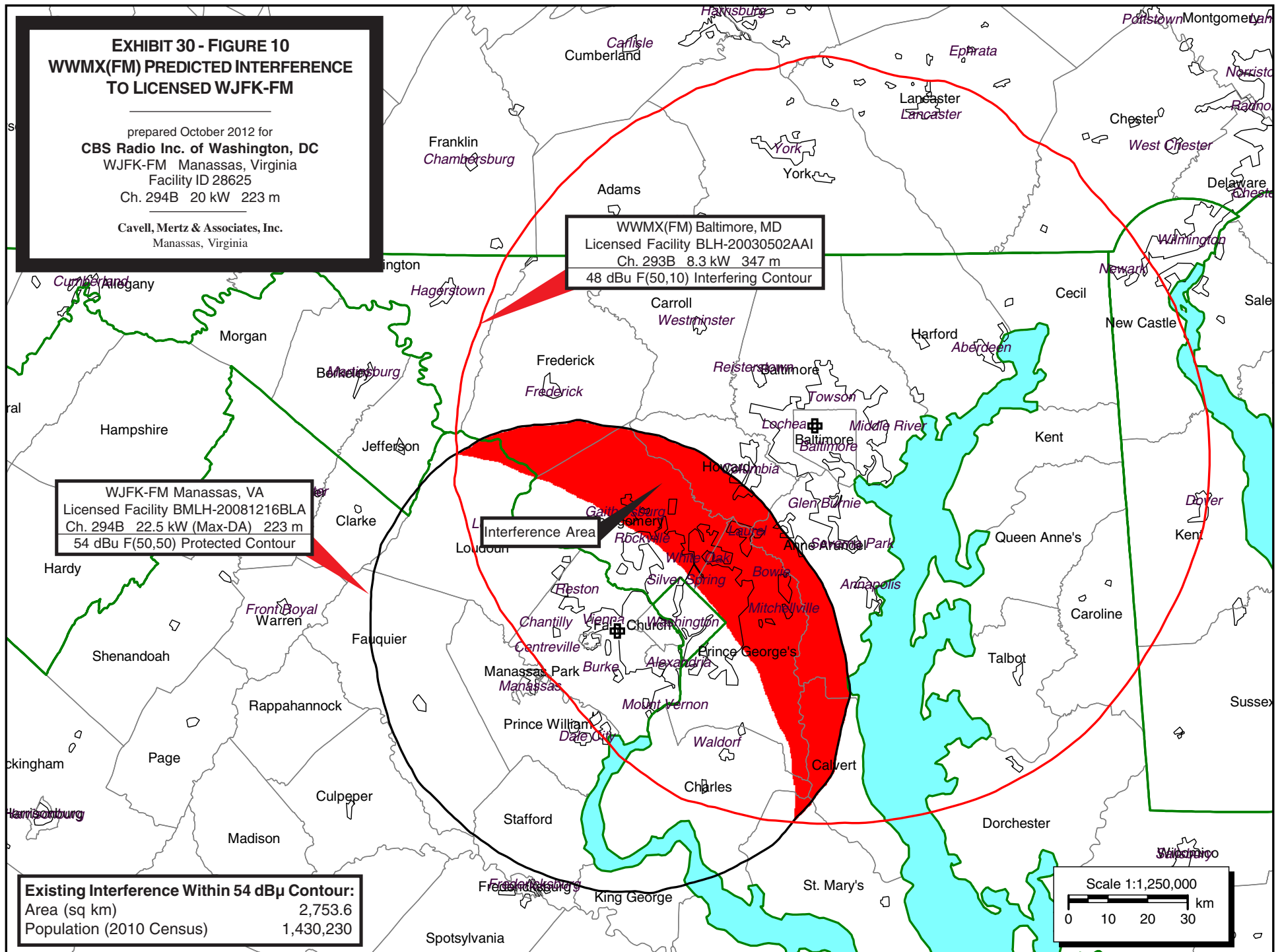
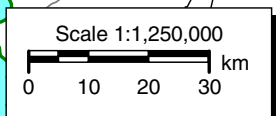


EXHIBIT 30 - FIGURE 11 **WWMX(FM) PREDICTED INTERFERENCE** **TO PROPOSED WJFK-FM**

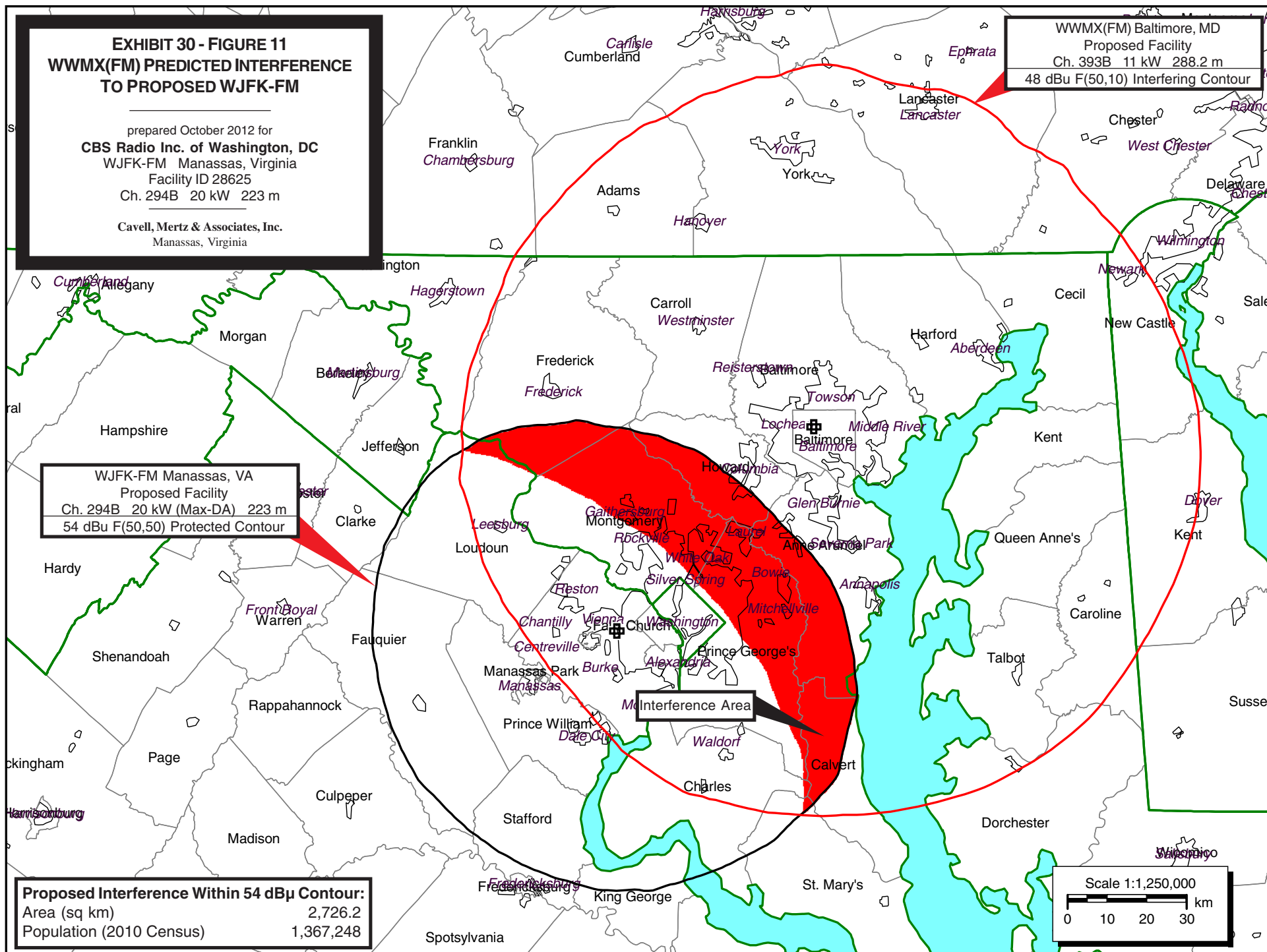
prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WWMX(FM) Baltimore, MD
Proposed Facility
Ch. 393B 11 kW 288.2 m
48 dBu F(50,10) Interfering Contour

WJFK-FM Manassas, VA
Proposed Facility
Ch. 294B 20 kW (Max-DA) 223 m
54 dBu F(50,50) Protected Contour

Proposed Interference Within 54 dBu Contour:
Area (sq km) 2,726.2
Population (2010 Census) 1,367,248



WWEG(FM) Myersville, MD
Licensed Facility BLH-20070518AAX
Ch. 295B 15.5 kW 260 m
54 dBu F(50,50) Protected Contour

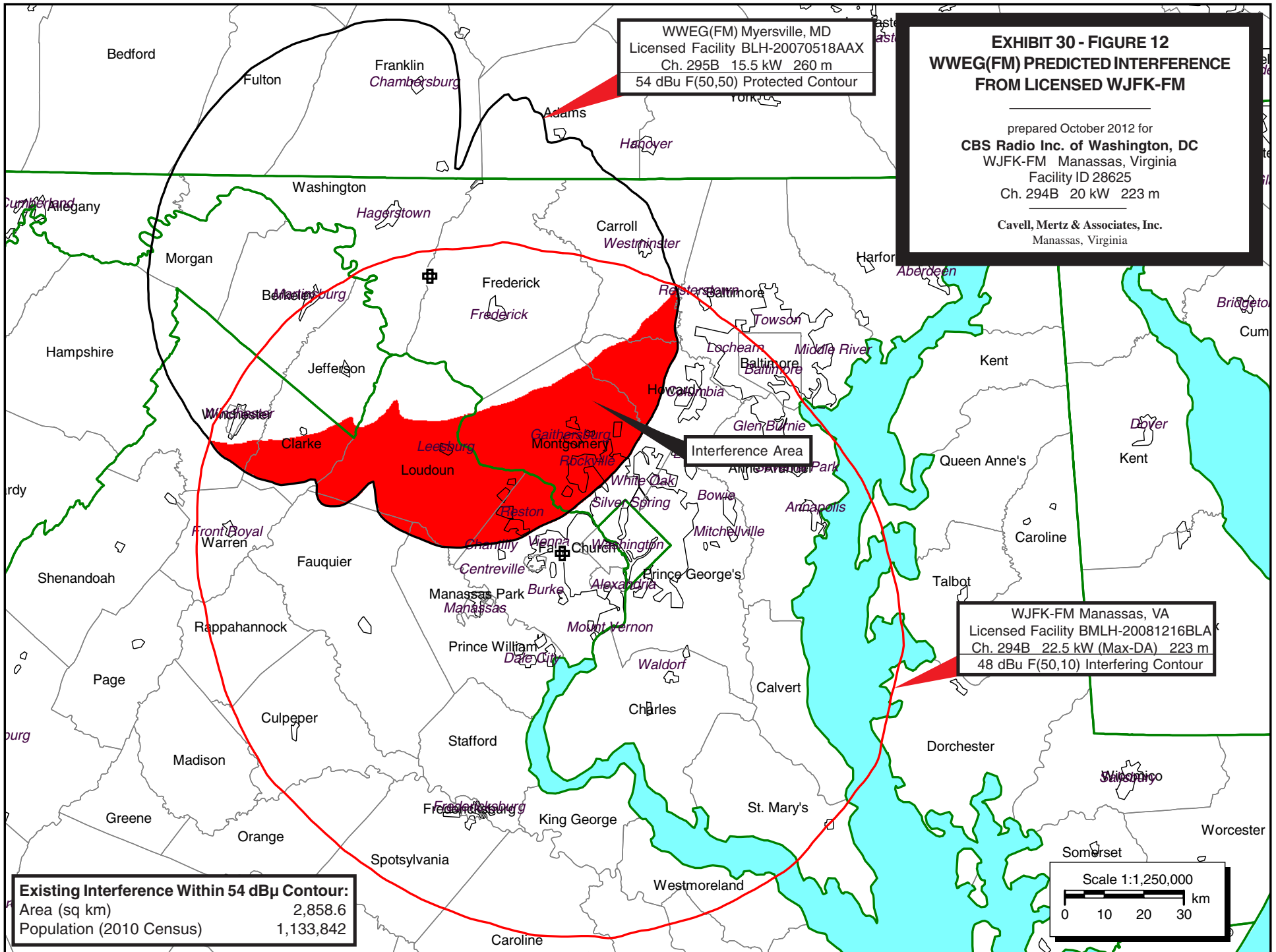
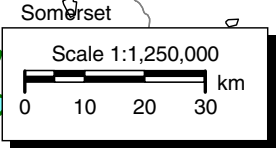
EXHIBIT 30 - FIGURE 12
WWEG(FM) PREDICTED INTERFERENCE
FROM LICENSED WJFK-FM

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m
Cavell, Mertz & Associates, Inc.
Manassas, Virginia

Interference Area

WJFK-FM Manassas, VA
Licensed Facility BMLH-20081216BLA
Ch. 294B 22.5 kW (Max-DA) 223 m
48 dBu F(50,10) Interfering Contour

Existing Interference Within 54 dBu Contour:
Area (sq km) 2,858.6
Population (2010 Census) 1,133,842



WWEG(FM) Myersville, MD
Licensed Facility BLH-20070518AAX
Ch. 295B 15.5 kW 260 m
54 dBu F(50,50) Protected Contour

EXHIBIT 30 - FIGURE 13
WWEG(FM) PREDICTED INTERFERENCE
FROM PROPOSED WJFK-FM

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WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WJFK-FM Manassas, VA
Proposed Facility
Ch. 294B 20 kW (Max-DA) 223 m
48 dBu F(50,10) Interfering Contour

Interference Area

Proposed Interference Within 54 dBu Contour:
Area (sq km) 2,832.9
Population (2010 Census) 1,132,035

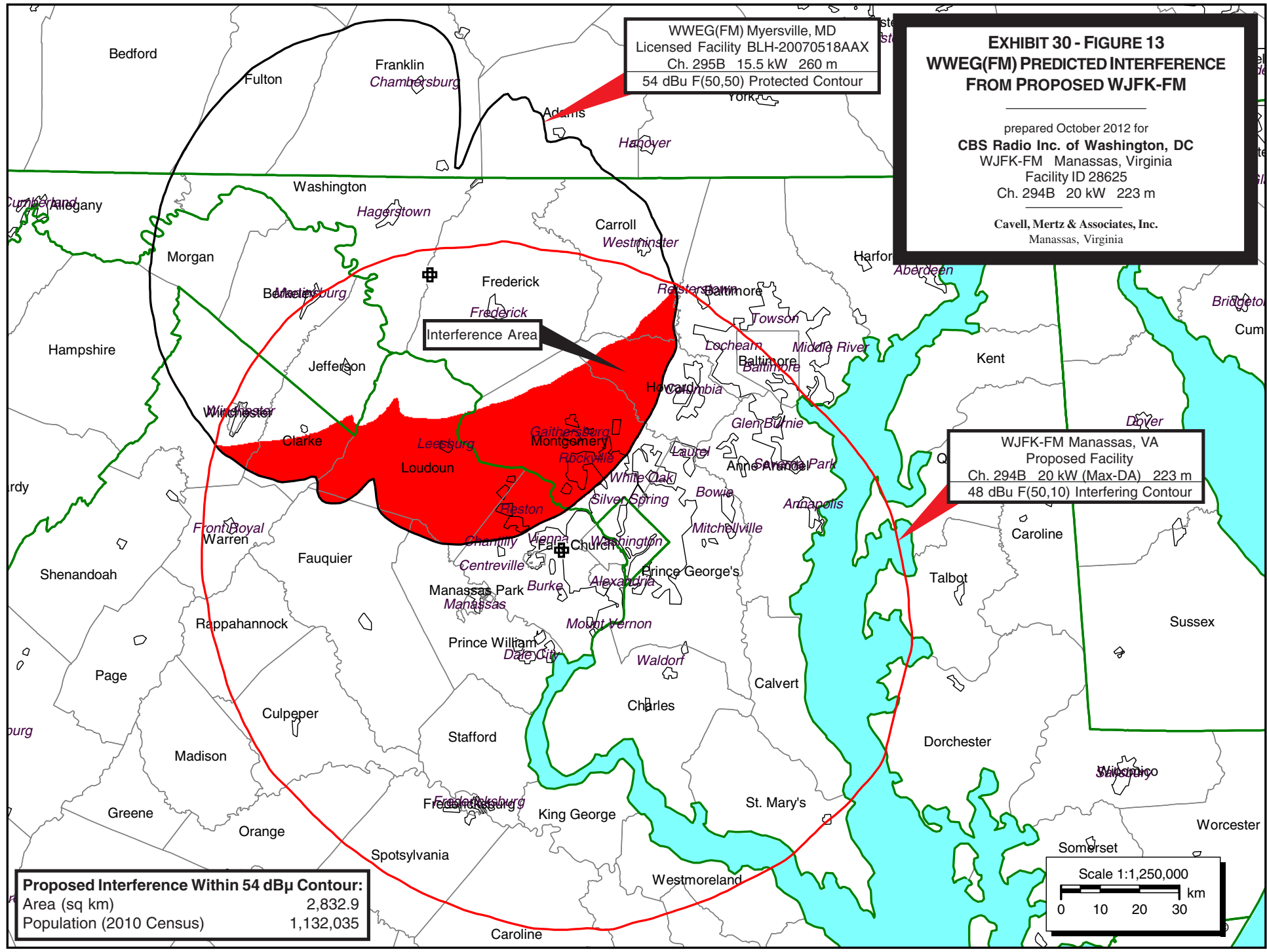
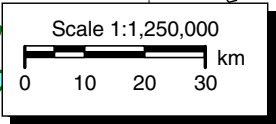


EXHIBIT 30 - FIGURE 14 **WWEG(FM) PREDICTED INTERFERENCE** **TO LICENSED WJFK-FM**

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WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WWEG(FM) Myersville, MD
Licensed Facility BLH-20070518AAX
Ch. 295B 15.5 kW 260 m
48 dBu F(50,10) Interfering Contour

WJFK-FM Manassas, VA
Licensed Facility BMLH-20081216BLA
Ch. 294B 22.5 kW (Max-DA) 223 m
54 dBu F(50,50) Protected Contour

Existing Interference Within 54 dBu Contour:
Area (sq km) 2,768.3
Population (2010 Census) 757,181

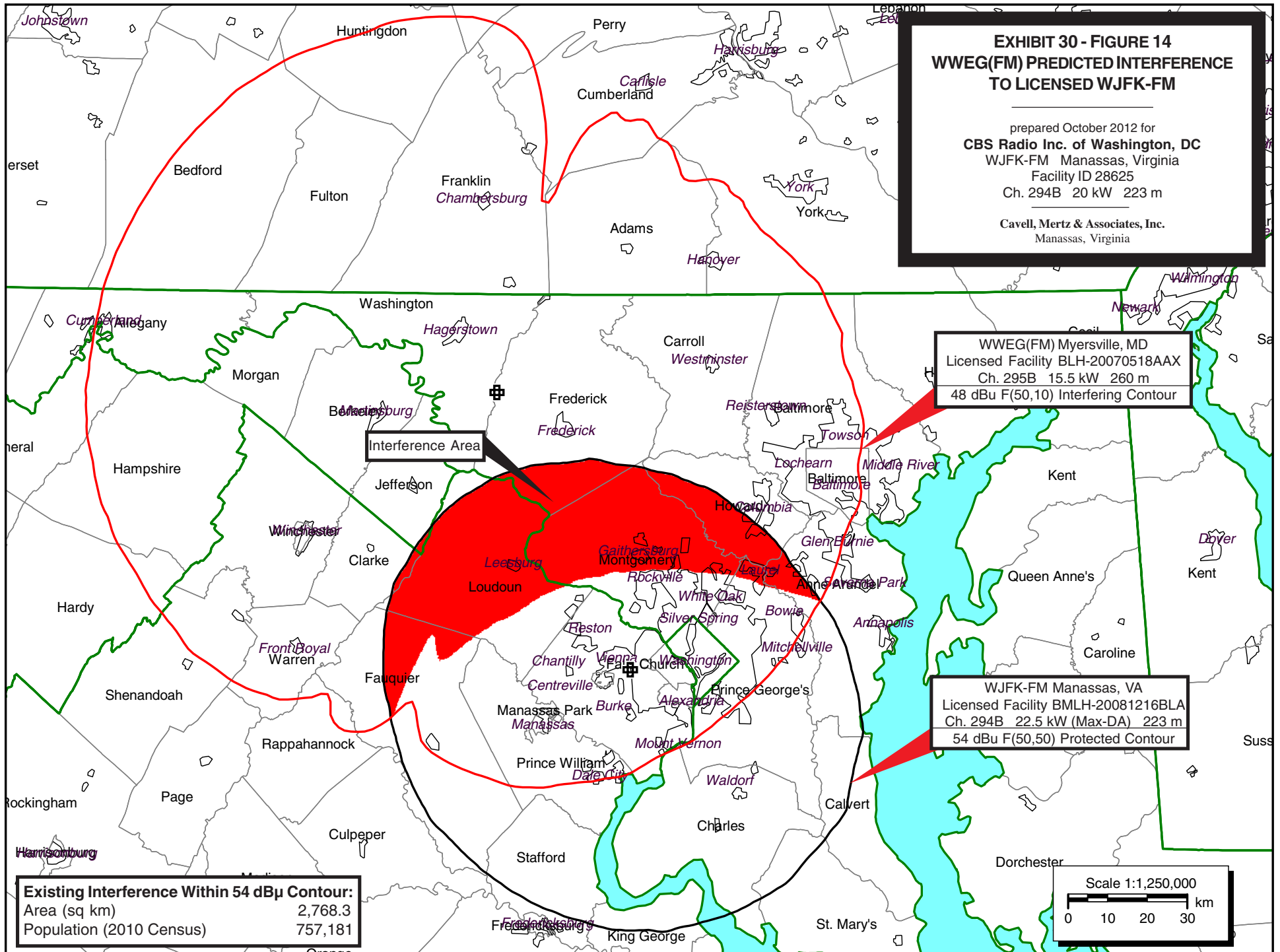
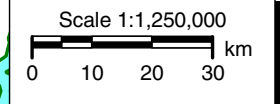


EXHIBIT 30 - FIGURE 16 **WBTJ(FM) PREDICTED INTERFERENCE** **FROM LICENSED WJFK-FM**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
 WJFK-FM Manassas, Virginia
 Facility ID 28625
 Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
 Manassas, Virginia

WJFK-FM Manassas, VA
 Licensed Facility BMLH-20081216BLA
 Ch. 294B 22.5 kW (Max-DA) 223 m
 54 dBu F(50,10) Interfering Contour

WBTJ(FM) Richmond, VA
 Licensed Facility BLH-20101005ACH
 Ch. 293B 14.5 kW (Max-DA) 280 m
 54 dBu F(50,50) Protected Contour

Existing Interference Within 54 dBu Contour:
 Area (sq km) 20.3
 Population (2010 Census) 438

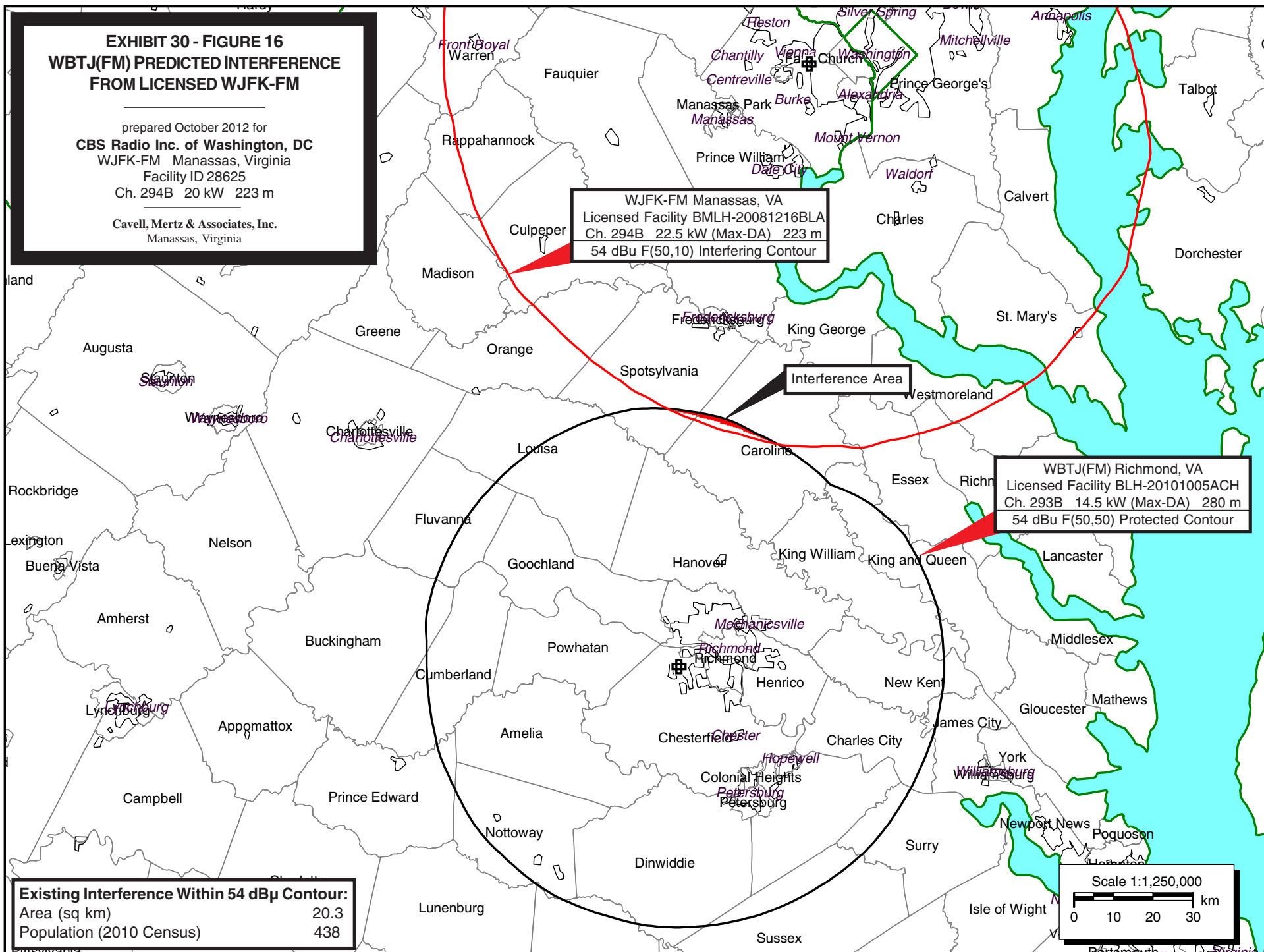


EXHIBIT 30 - FIGURE 17
WBTJ(FM) PREDICTED INTERFERENCE
FROM PROPOSED WJFK-FM

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WJFK-FM Manassas, VA
Proposed Facility
Ch. 294B 20 kW (Max-DA) 223 m
48 dBu F(50,10) Interfering Contour

WBTJ(FM) Richmond, VA
Licensed Facility BLH-20101005ACH
Ch. 293B 14.5 kW (Max-DA) 280 m
54 dBu F(50,50) Protected Contour

Interference Area

Proposed Interference Within 54 dBu Contour:
Area (sq km) 17.3
Population (2010 Census) 120

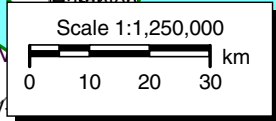


EXHIBIT 30 - FIGURE 18 **WBTJ(FM) PREDICTED INTERFERENCE** **TO LICENSED WJFK-FM**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
 WJFK-FM Manassas, Virginia
 Facility ID 28625
 Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
 Manassas, Virginia

WJFK-FM Manassas, VA
 Licensed Facility BMLH-20081216BLA
 Ch. 294B 22.5 kW (Max-DA) 223 m
 54 dBu F(50,50) Protected Contour

WBTJ(FM) Richmond, VA
 Licensed Facility BLH-20101005ACH
 Ch. 293B 14.5 kW (Max-DA) 280 m
 48 dBu F(50,10) Interfering Contour

Interference Area

Existing Interference Within 54 dBu Contour:
 Area (sq km) 8.0
 Population (2010 Census) 2,736

Scale 1:1,250,000
 0 10 20 30 km

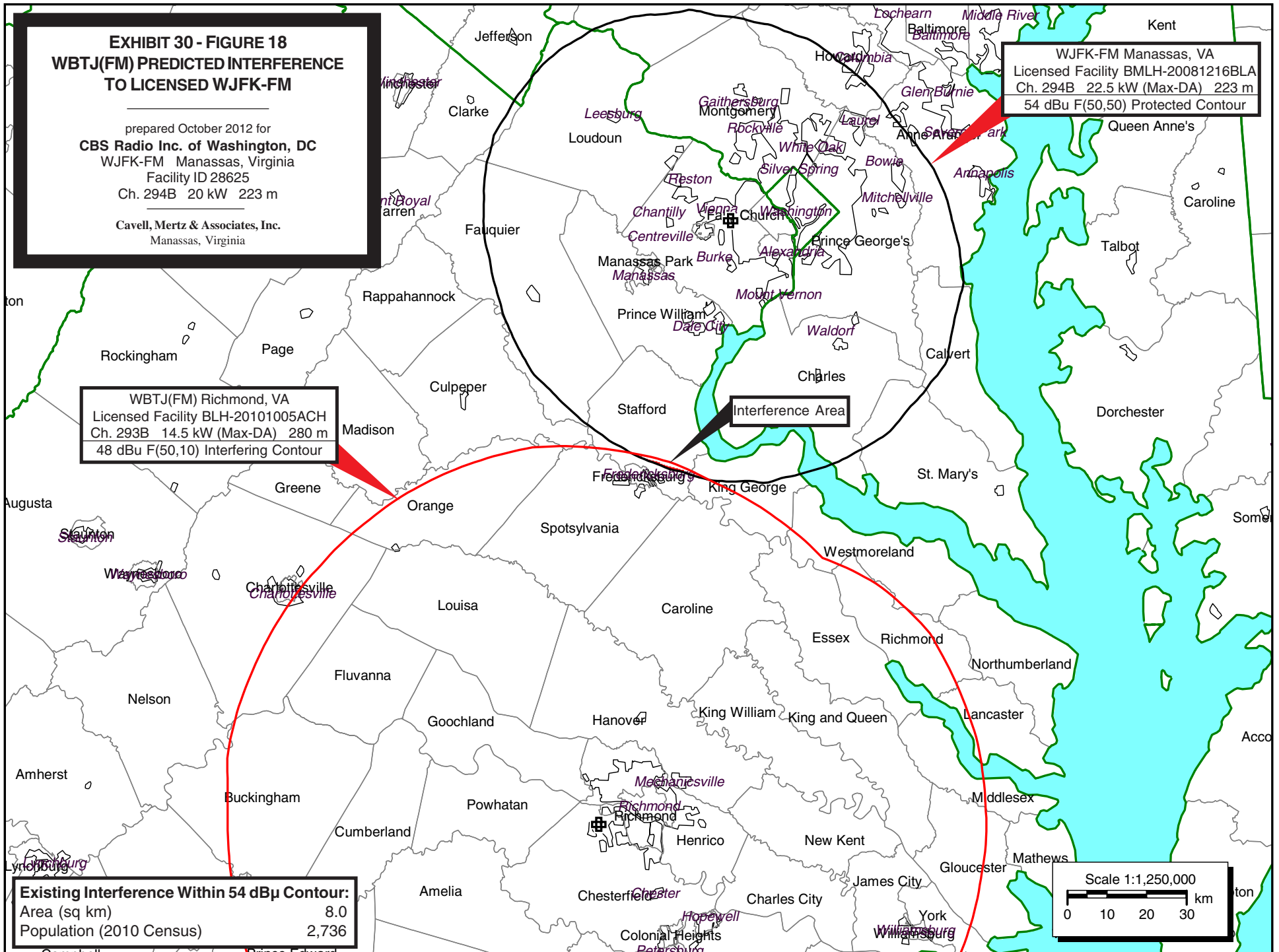


EXHIBIT 30 - FIGURE 19 **WBTJ(FM) PREDICTED INTERFERENCE** **TO PROPOSED WJFK-FM**

prepared October 2012 for
CBS Radio Inc. of Washington, DC
WJFK-FM Manassas, Virginia
Facility ID 28625
Ch. 294B 20 kW 223 m

Cavell, Mertz & Associates, Inc.
Manassas, Virginia

WJFK-FM Manassas, VA
Proposed Facility
Ch. 294B 20 kW (Max-DA) 223 m
54 dBu F(50,50) Protected Contour

WBTJ(FM) Richmond, VA
Licensed Facility BLH-20101005ACH
Ch. 293B 14.5 kW (Max-DA) 280 m
48 dBu F(50,10) Interfering Contour

Interference Area

Proposed Interference Within 54 dBu Contour:

Area (sq km)	6.5
Population (2010 Census)	2,787

Scale 1:1,250,000
0 10 20 30 km

