

ENGINEERING EXHIBIT

Incentive Auction Channel Reassignment

Application for Modification of Digital Television Station Construction Permit

prepared for

CBS Broadcasting Inc.
KYW-TV Philadelphia, PA
Facility ID 25453
Ch. 30 1000 kW 371 m

CBS Broadcasting Inc. (“CBS”) is the licensee of digital television station KYW-TV, Channel 26, Facility ID 25453, Philadelphia, PA. Reassignment of KYW-TV from Channel 26 to Channel 30 was specified in the *Incentive Auction Closing and Channel Reassignment Public Notice* (“CCRPN”, DA 17-317, released April 13, 2017). *CBS* herein proposes modification of the KYW-TV Channel 30 Construction Permit (“CP”, file# 0000024874). This application is intended to be filed during the second filing window.¹ The CP authorizes operation at 960 kW effective radiated power (“ERP”) at 371 meters antenna height above average terrain (“HAAT”). *CBS* proposes herein to increase the ERP to 1000 kW.

As with the current authorization, the proposed Channel 30 operation will employ a new antenna system to be top-mounted on the KYW-TV tower in lieu of the existing Channel 26 antenna. The existing tower structure corresponds to FCC Antenna Structure Registration number 1035474. No change to the overall structure height will result.

The proposed antenna is an elliptically polarized nondirectional Dielectric model TFU-28GBH/VP-R O6 (25 percent vertical polarization). The horizontally polarized ERP is 1000 kW and the vertically polarized ERP is 250 kW.

¹Public Notice “*Incentive Auction Task Force and Media Bureau Announce the Opening of the Second Filing Window for Eligible Full Power and Class A Television Station—October 3 Through November 2, 2017*” DA 17-911, released September 20, 2017.

Figure 1 supplies a map that demonstrates compliance with §73.625(a)(1) regarding coverage of the entire principal community. The proposed facility's predicted population exceeds 95 percent of the *CCRPN* baseline facility's population.

Interference study per FCC OET Bulletin 69² shows that the proposal complies with the 0.5 percent limit of new interference caused to pertinent nearby post-auction full service and Class A television stations and reassignments as required by §73.616. The interference study output report is provided as Table 1.

The proposed 1000 kW ERP exceeds the maximum allowed for the proposed antenna HAAT of 371 meters permitted by §73.622(f)(8)(i). Section 73.622(f)(5) permits the maximum ERP to be exceeded in order to provide the same geographic coverage area as the largest station within the same market. The total area within the proposed KYW-TV NLSC is 33,805 square kilometers, which does not exceed the NLSC area of WPVI-TV (46,052 sq. km, Ch. 6, Philadelphia PA, BLCDT-20111019ACJ). Thus, the 1000 kW ERP specified herein is in compliance with §73.622(f)(5) of the FCC's Rules.

The nearest FCC monitoring station is 167 km distant at Laurel MD. This exceeds by a large 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). The site location is beyond the border areas requiring international coordination.

Directional AM station WNWR (Fac ID 1027, 1540 kHz, Philadelphia PA) is located 0.6 km from the KYW-TV site. The KYW-TV tower structure is not base insulated or detuned at an AM frequency and the proposal will not result in a change in overall tower height. Thus, pursuant to §1.30002(d), construction of the proposed KYW-TV facility is not considered to be a

²FCC Office of Engineering and Technology Bulletin number 69, *Longley-Rice Methodology for Evaluating TV Coverage and Interference*, February 6, 2004 ("OET-69"). This analysis employed the FCC's current "TVStudy" software with the default application processing template settings, 2 km cell size, and 1 km terrain increment. Comparisons of various results of this computer program (run on a Mac processor) to the FCC's implementation of TVStudy show excellent correlation.

significant modification with respect to possible pattern distortion to WNWR, and CBS is not required to notify WNWR or install detuning apparatus to the existing tower.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed operation was evaluated for human exposure to RF energy using the procedures outlined in the FCC's OET Bulletin Number 65. Based on OET-65 equation (10), and considering 10 percent antenna relative field in downward elevations (pattern data shows less than 10 percent relative field at angles 15 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 $3.2 \mu\text{W}/\text{cm}^2$, which is 0.8 percent of the general population/uncontrolled maximum permitted exposure limit. This is well below the five percent threshold limit described in §1.1307(b) regarding sites with multiple emitters, categorically excluding the applicant from responsibility for taking any corrective action in the areas where the proposal's contribution is less than five percent.

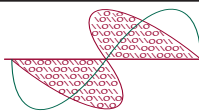
The general public will not be exposed to RF levels attributable to the proposal in excess of the FCC's guidelines. RF exposure warning signs will continue to be posted. With respect to worker safety, the applicant will coordinate exposure procedures with all pertinent stations and will reduce power 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. No increase in structure height is proposed.

List of Attachments

Figure 1	Proposed Coverage Contours
Figure 2	Maximum ERP per §73.622(f)
Table 1	OET Bulletin 69 Interference Study
Form 2100	Saved Version of Engineering Sections from FCC Form at Time of Upload

Chesapeake RF Consultants, LLC

Joseph M. Davis, P.E.	October 11, 2017	
207 Old Dominion Road	Yorktown, VA 23692	703-650-9600



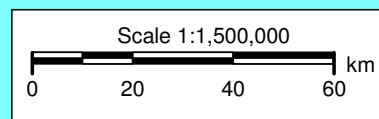
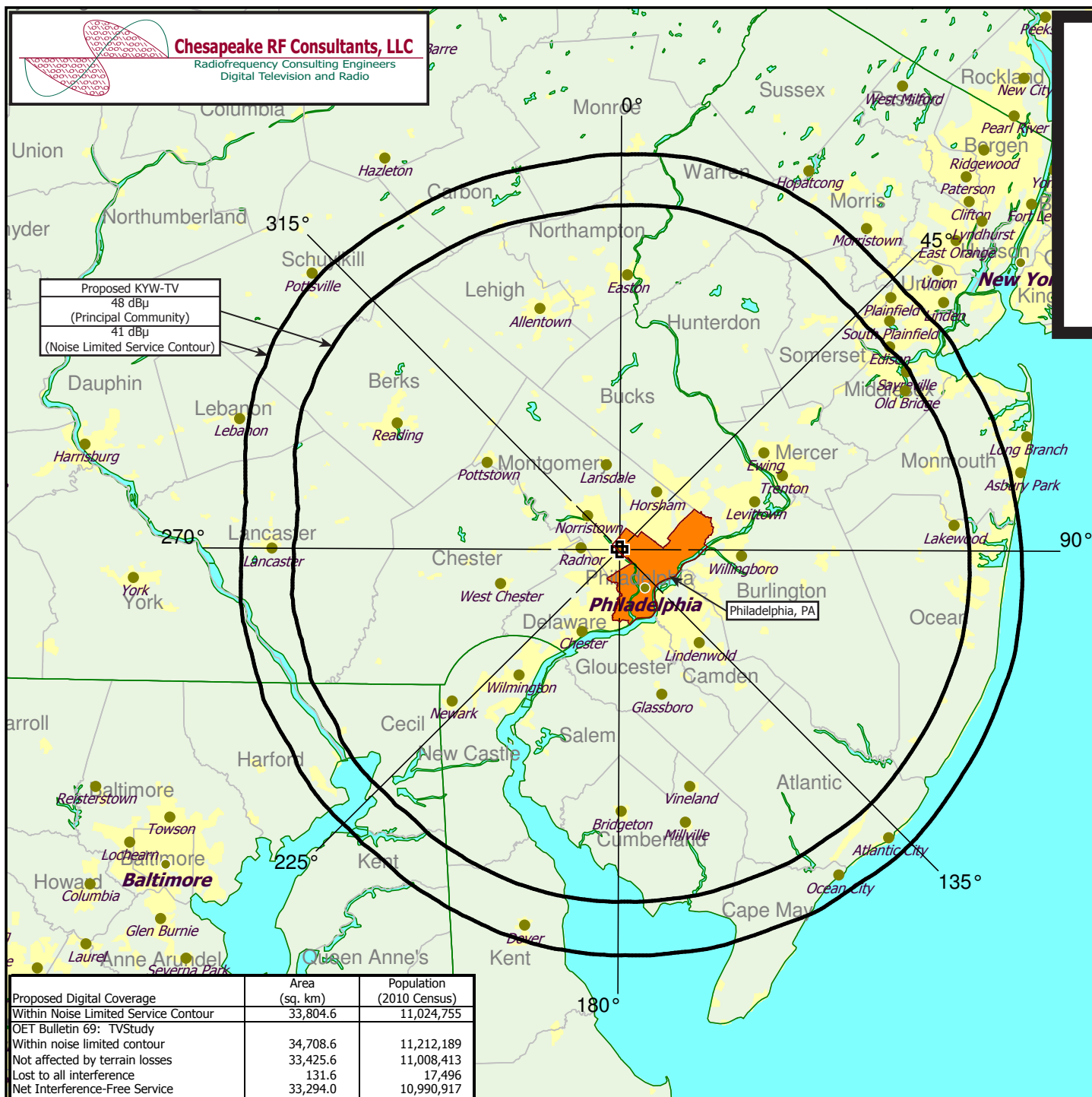
Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

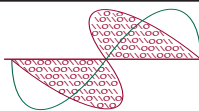
Figure 1
Proposed Coverage Contours
KYW-TV Philadelphia, PA
Facility ID 25453
Ch. 30 1000 kW 371 m

prepared for
CBS Broadcasting Inc.

October, 2017

Proposed KYW-TV
48 dBu
(Principal Community)
41 dBu
(Noise Limited Service Contour)





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

Figure 2
Maximum ERP per §73.622(f)
KYW-TV Philadelphia, PA
Facility ID 25453
Ch. 30 1000 kW 371 m

prepared for
CBS Broadcasting Inc.

October, 2017

Proposed KYW-TV
41 dBμ Contour (NLSC)
Area: 33,805 sq. km

WPVI-TV Ch. 6 Philadelphia, PA
BLCDT-20111019ACJ
28 dBμ Contour (NLSC)
Area: 46,052 sq. km

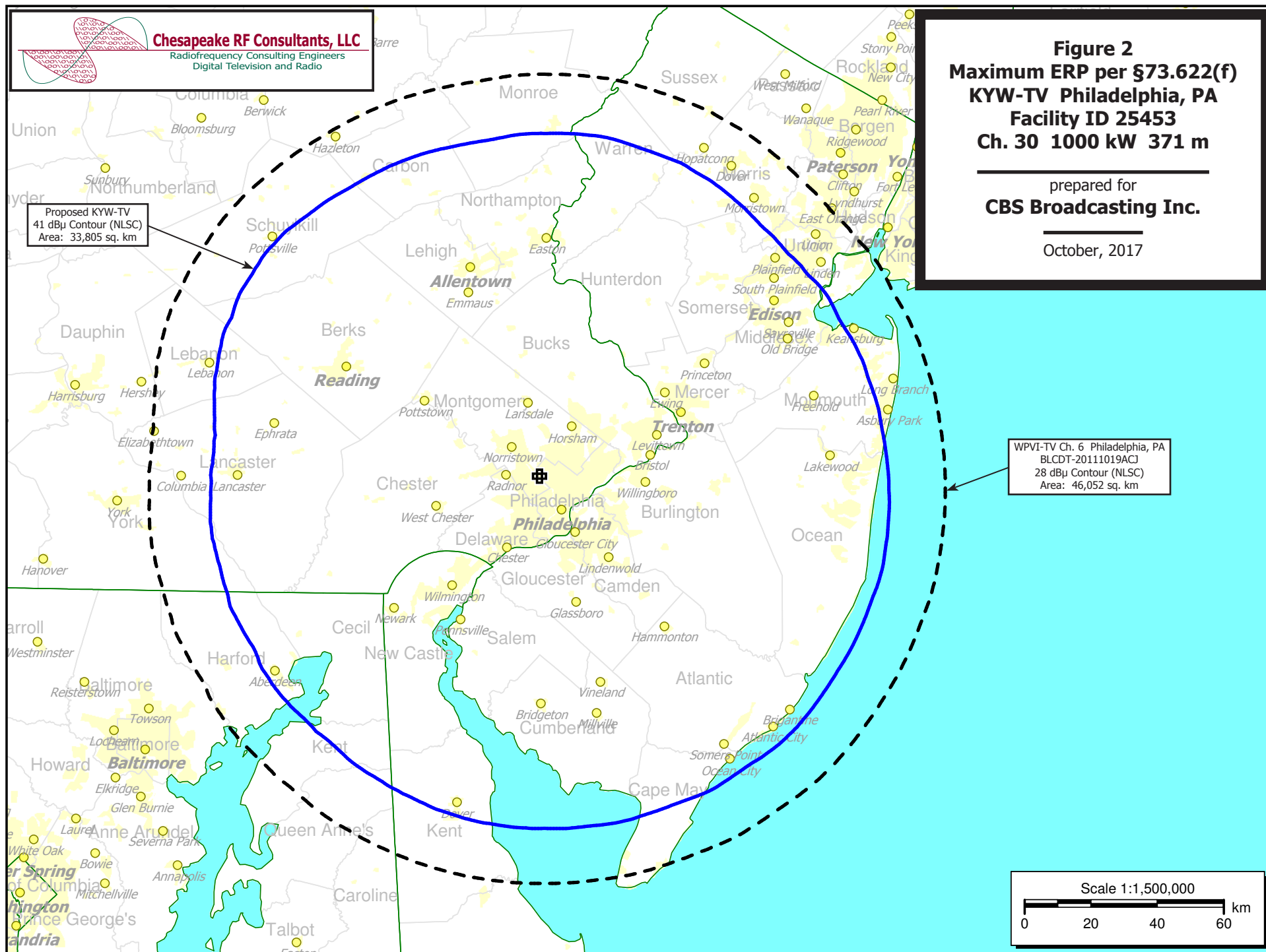
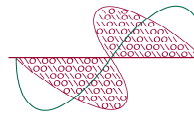


Table 1 KYW-TV OET Bulletin 69 Interference Study
(page 1 of 4)



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

tvstudy v2.2.3 (6K70F1)
Database: localhost, Study: KYW-TV 1000kW_Prop, Model: Longley-Rice
Start: 2017.10.11 15:45:09

Study created: 2017.10.11 15:44:28

Study build station data: LMS TV 2017-10-07 LMSTV

Proposal: KYW-TV D30 DT APP PHILADELPHIA, PA
File number: KYW-TV 1000kW Prop
Facility ID: 25453
Station data: User record
Record ID: 1246
Country: U.S.
Zone: I

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000025180	236.8 km
No	WMDT	D29	DT	CP	SALISBURY, MD	BLANK0000027459	176.4
No	WLNY-TV	D29	DT	CP	RIVERHEAD, NY	BLANK0000027106	218.5
No	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	204.1
Yes	WEDH	D30	DT	CP	HARTFORD, CT	BLANK0000025283	274.1
Yes	WIAV-CD	D30	DC	APP	WASHINGTON, DC	BLANK0000029340	199.7
Yes	WYDC	D30	DT	CP	CORNING, NY	BLANK0000026202	279.4
Yes	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	344.9
No	WBYD-CD	D30	DC	CP	PITTSBURGH, PA	BLANK0000027761	403.0
No	WPTG-CD	D30	DC	APP	PITTSBURGH, PA	BLANK0000029758	403.0
Yes	WAZT-CD	D30	DC	CP	WOODSTOCK, VA	BLANK0000027758	247.7
No	WETA-TV	D31	DT	APP	WASHINGTON, DC	BLANK0000029879	198.9
Yes	WMPT	D31	DT	CP	ANNAPOLIS, MD	BLANK0000025178	164.0
No	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	232.0
Yes	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000027331	0.4

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WNWR 1540 C DA2 D PHILADELPHIA, PA BP20161215ABM
WNWR 1540 C DA2 N PHILADELPHIA, PA BP20161215ABM
WNWR 1540 L DAD D PHILADELPHIA, PA BMML20120724AFT

Record parameters as studied:

Channel: D30
Latitude: 40 2 33.00 N (NAD83)
Longitude: 75 14 32.00 W
Height AMSL: 438.5 m
HAAT: 370.8 m
Peak ERP: 1000 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.75

40.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1000 kW	365.2 m	104.5 km
45.0	1000	335.5	101.9
90.0	1000	386.4	106.5
135.0	1000	420.4	109.6
180.0	1000	396.9	107.4
225.0	1000	348.0	103.0
270.0	1000	318.6	100.2
315.0	1000	395.1	107.3

ERP exceeds maximum

ERP: 1000 kW ERP maximum: 981 kW

**Proposal service area extends beyond baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 419.1 km

Table 1 KYW-TV OET Bulletin 69 Interference Study
(page 2 of 4)



Distance to Mexican border: 2543.2 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 234.7 degrees Distance: 166.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 280.1 degrees Distance: 2537.1 km

Study cell size: 2.00 km
Profile point spacing: 1.00 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

Interference to BLANK0000025283 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WEDH	D30	DT	CP	HARTFORD, CT	BLANK0000025283	
Undesireds:	KYW-TV	D30	DT	BL	PHILADELPHIA, PA	DTVBL25453	274.1 km
	KYW-TV	D30	DT	APP	PHILADELPHIA, PA	KYW-TV 1000kW Prop	274.1
	WLNY-TV	D29	DT	CP	RIVERHEAD, NY	BLANK0000027106	89.9
	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	250.3
	WVIT	D31	DT	CP	NEW BRITAIN, CT	BLANK0000027739	0.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
31028.8		5,031,424		27373.8		4,447,130	0.12 0.07
				4,534,744		26842.8	
Undesired			Total IX		Unique IX, before		Unique IX, after
KYW-TV D30 DT BL			314.6		55,628		270.3 42,877
KYW-TV D30 DT APP			346.6		58,757		302.2 46,006
WLNY-TV D29 DT CP			96.2		31,321		47.8 17,429
WUTR D30 DT LIC			16.0		126		12.0 38
WVIT D31 DT CP			124.5		11,390		116.5 10,161

Interference to BLANK0000029340 APP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WIAV-CD	D30	DC	APP	WASHINGTON, DC	BLANK0000029340	
Undesireds:	KYW-TV	D30	DT	BL	PHILADELPHIA, PA	DTVBL25453	199.8 km
	KYW-TV	D30	DT	APP	PHILADELPHIA, PA	KYW-TV 1000kW Prop	199.7
	WAZT-CD	D30	DC	CP	WOODSTOCK, VA	BLANK0000027758	53.9
	WETA-TV	D31	DT	APP	WASHINGTON, DC	BLANK0000029879	1.1
	WMPT	D31	DT	CP	ANNAPOLIS, MD	BLANK0000025178	41.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
8246.7		5,639,080		8182.9		4,396,033	0.00 0.00
				5,621,883		5562.6	
Undesired			Total IX		Unique IX, before		Unique IX, after
KYW-TV D30 DT BL			80.1		40,562		8.0 2,583
KYW-TV D30 DT APP			104.1		43,496		8.0 2,583
WAZT-CD D30 DC CP			624.5		268,299		232.1 104,842
WETA-TV D31 DT APP			2108.0		1,009,002		1439.9 670,750
WMPT D31 DT CP			531.8		282,944		244.1 100,648

Interference to BLANK0000026202 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WYDC	D30	DT	CP	CORNING, NY	BLANK0000026202	
Undesireds:	KYW-TV	D30	DT	BL	PHILADELPHIA, PA	DTVBL25453	279.4 km
	KYW-TV	D30	DT	APP	PHILADELPHIA, PA	KYW-TV 1000kW Prop	279.4
	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	191.3
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	93.8

Table 1 KYW-TV OET Bulletin 69 Interference Study
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Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
11372.4 393,843	9053.0 268,498	8752.4 263,587	8740.4 263,229	0.14 0.14

Undesired	Total IX	Unique IX, before	Unique IX, after
KYW-TV D30 DT BL	88.3 893	68.2 706	
KYW-TV D30 DT APP	104.3 1,282		80.2 1,064
WUTR D30 DT LIC	116.4 2,572	100.3 2,399	100.3 2,399
WSKG-TV D31 DT CP	116.0 1,633	112.0 1,619	108.0 1,588

Interference to BLCDT20040217ADC LIC, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUTR	D30	DT	LIC	UTICA, NY	BLCDT20040217ADC	
Undesireds:	KYW-TV	D30	DT	BL	PHILADELPHIA, PA	DTVBL25453	344.9 km
	KYW-TV	D30	DT	APP	PHILADELPHIA, PA	KYW-TV 1000kW Prop	344.9
	WKTV	D29	DT	LIC	UTICA, NY	BLCDT20060630ACL	19.7
	WEDH	D30	DT	CP	HARTFORD, CT	BLANK0000025283	250.3
	WYDC	D30	DT	CP	CORNING, NY	BLANK0000026202	191.3
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	136.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
14107.6 526,114	12682.2 481,957	10594.8 444,117	10594.8 444,117	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KYW-TV D30 DT BL	24.1 243	12.0 124	
KYW-TV D30 DT APP	24.1 243		12.0 124
WKTV D29 DT LIC	2035.5 37,311	1943.9 33,795	1943.9 33,795
WEDH D30 DT CP	107.4 3,735	23.9 233	23.9 233
WYDC D30 DT CP	8.0 82	8.0 82	8.0 82
WSKG-TV D31 DT CP	12.0 76	4.0 21	4.0 21

Interference to BLANK0000027758 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WAZT-CD	D30	DC	CP	WOODSTOCK, VA	BLANK0000027758	
Undesireds:	KYW-TV	D30	DT	BL	PHILADELPHIA, PA	DTVBL25453	247.7 km
	KYW-TV	D30	DT	APP	PHILADELPHIA, PA	KYW-TV 1000kW Prop	247.7
	WIAV-CD	D30	DC	APP	WASHINGTON, DC	BLANK0000029340	53.9
	WETA-TV	D31	DT	APP	WASHINGTON, DC	BLANK0000029879	54.2

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
3639.2 561,196	3047.3 507,675	2254.4 231,403	2254.4 231,403	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
KYW-TV D30 DT BL	44.2 1,524	8.0 118	
KYW-TV D30 DT APP	44.2 1,524		8.0 118
WIAV-CD D30 DC APP	784.9 276,154	740.7 274,196	740.7 274,196
WETA-TV D31 DT APP	8.0 552	0.0 0	0.0 0

Interference to BLANK0000025178 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMPT	D31	DT	CP	ANNAPOLIS, MD	BLANK0000025178	
Undesireds:	KYW-TV	D30	DT	BL	PHILADELPHIA, PA	DTVBL25453	164.0 km
	KYW-TV	D30	DT	APP	PHILADELPHIA, PA	KYW-TV 1000kW Prop	164.0
	WIAV-CD	D30	DC	APP	WASHINGTON, DC	BLANK0000029340	41.6
	WETA-TV	D31	DT	APP	WASHINGTON, DC	BLANK0000029879	41.2
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	233.5
	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000027331	164.1
	WHRO-TV	D31	DT	CP	HAMPTON-NORFOLK, VA	BLANK0000026987	244.9
	WBOC-TV	D32	DT	CP	SALISBURY, MD	BLANK0000028422	100.8
	WHP-TV	D32	DT	CP	HARRISBURG, PA	BLANK0000027770	150.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
23985.0 7,951,360	23741.9 7,919,943	8620.4 3,039,717	8620.4 3,039,717	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
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Table 1 KYW-TV OET Bulletin 69 Interference Study
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KYW-TV D30 DT BL	4.0	8	0.0	0		
KYW-TV D30 DT APP	4.0	8			0.0	0
WIAV-CD D30 DC APP	32.0	30,954	4.0	8,590	4.0	8,590
WETA-TV D31 DT APP	15021.6	4,858,289	13183.2	4,729,214	13183.2	4,729,214
WATM-TV D31 DT CP	107.4	7,256	4.0	24	4.0	24
WTFX-TV D31 DT CP	1318.3	100,119	51.9	8,859	51.9	8,859
WHRO-TV D31 DT CP	282.7	17,013	3.9	30	3.9	30
WBOC-TV D32 DT CP	405.3	12,159	0.0	0	0.0	0
WHP-TV D32 DT CP	8.1	238	0.0	0	0.0	0

Interference to BLANK0000027331 CP, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000027331	
Undesireds:	KYW-TV	D30	DT	BL	PHILADELPHIA, PA	DTVBL25453	0.4 km
	KYW-TV	D30	DT	APP	PHILADELPHIA, PA	KYW-TV 1000kW Prop	0.4
	WVIT	D31	DT	CP	NEW BRITAIN, CT	BLANK0000027739	273.8
	WETA-TV	D31	DT	APP	WASHINGTON, DC	BLANK0000029879	199.0
	WMPT	D31	DT	CP	ANNAPOLIS, MD	BLANK0000025178	164.1
	WSKG-TV	D31	DT	CP	BINGHAMTON, NY	BLANK0000028130	232.3
	WATM-TV	D31	DT	CP	ALTOONA, PA	BLANK0000028661	277.9
	WHP-TV	D32	DT	CP	HARRISBURG, PA	BLANK0000027770	142.5
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
25892.3 9,479,256		25307.8 9,285,052		23015.5 8,895,056		22979.3 8,886,963	0.16 0.09
Undesired			Total IX		Unique IX, before		Unique IX, after
KYW-TV D30 DT BL	220.8		29,995		168.6 24,566		
KYW-TV D30 DT APP	265.0		39,303				204.7 32,659
WVIT D31 DT CP	52.0		16,089		0.0 0		0.0 0
WETA-TV D31 DT APP	1117.4		225,811		236.8 52,511		236.8 52,511
WMPT D31 DT CP	1674.0		278,954		797.3 106,107		793.3 105,022
WSKG-TV D31 DT CP	8.0		4,465		4.0 3,926		4.0 3,926
WATM-TV D31 DT CP	349.5		59,271		76.2 10,725		76.2 10,725
WHP-TV D32 DT CP	201.4		32,295		28.2 4,161		28.2 4,161

Interference to proposal, scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	KYW-TV	D30	DT	APP	PHILADELPHIA, PA	KYW-TV 1000kW Prop	
Undesireds:	WEDH	D30	DT	CP	HARTFORD, CT	BLANK0000025283	274.1 km
	WIAV-CD	D30	DC	APP	WASHINGTON, DC	BLANK0000029340	199.7
	WMPT	D31	DT	CP	ANNAPOLIS, MD	BLANK0000025178	164.0
	WTFX-TV	D31	DT	CP	PHILADELPHIA, PA	BLANK0000027331	0.4
Service area		Terrain-limited		IX-free		Percent IX	
34708.6 11,212,189		33425.6 11,008,413		33294.0 10,990,917		0.39 0.16	
Undesired			Total IX		Unique IX		Prcnt Unique IX
WEDH D30 DT CP	4.0		2,045		2,045		0.01 0.02
WIAV-CD D30 DC APP	91.7		9,725		7,781		0.20 0.07
WMPT D31 DT CP	35.7		5,986		4,042		0.04 0.04
WTFX-TV D31 DT CP	24.0		1,684		1,684		0.07 0.02

**Channel and
Facility
Information**

Section	Question	Response
Proposed Community of License	Facility ID	25453
	State	Pennsylvania
	City	PHILADELPHIA
	DTV Channel	30
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	1

**Antenna Location
Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1035474
Coordinates (NAD83)	Latitude	40° 02' 33.0" N+
	Longitude	075° 14' 32.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	389.0 meters
	Support Structure Height	388.0 meters
	Ground Elevation (AMSL)	74.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	364.5 meters
	Height of Radiation Center Above Average Terrain	370.8 meters
	Height of Radiation Center Above Mean Sea Level	438.5 meters
	Effective Radiated Power	1000 kW

Antenna Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Non-Directional
	Do you have an Antenna ID?	
	Antenna ID	
Antenna Manufacturer and Model	Manufacturer:	DIE
	Model	TFU-28GBH/VP-R O6
	Rotation	
	Electrical Beam Tilt	0.75
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
DTV and DTS: Elevation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	

**Construction
Permit
Certifications**

Section	Question	Response
Post-Incentive Auction Expedited Processing	It will operate on the DTV channel for this station as established in the post-incentive auction channel reassignment public notice.	Yes
	It will operate post-incentive auction facilities that do not expand the noise-limited service contour in any direction beyond that established by the post-incentive auction channel reassignment public notice.	No
	It will operate post-incentive auction facilities that match or reduce by no more than five percent with respect to predicted population from those defined in the post-incentive auction channel reassignment public notice.	Yes
	The antenna structure to be used by this facility has been registered by the Commission and will not require re-registration to support the proposed antenna, OR the FAA has previously determined that the proposed structure will not adversely affect safety in air navigation and this structure qualifies for later registration under the Commission's phased registration plan, OR the proposed installation on this structure does not require notification to the FAA pursuant to 47 C.F.R. Section 17.7.	Yes
Environmental Effect	Would a Commission grant of Authorization for this location be an action which may have a significant environmental effect? (See Section 1.1306 of 47 C.F.R.)	No
Broadcast Facility	The proposed facility complies with the applicable engineering standards and assignment requirements of 47 C. F.R. Sections 73.616, 73.622(i), 73.623(e), 73.625, 73.1030, and 73.1125.	Yes