

ENGINEERING EXHIBIT

Incentive Auction Channel Reassignment

Application for Digital Television Station Construction Permit

prepared for

WYFF Hearst Television Inc.

WYFF(DT) Greenville, SC

Facility ID 53905

Ch. 30 945 kW 598 m

WYFF Hearst Television Inc. (“Hearst”) is the licensee of digital television station WYFF(DT), Channel 36, Facility ID 53905, Greenville, SC. *Hearst* herein proposes construction of the WYFF post-auction facility on Channel 30. Reassignment of WYFF from Channel 36 to Channel 30 was specified in the *Incentive Auction Closing and Channel Reassignment Public Notice (“CCRPN”, DA 17-317, released April 13, 2017)*.

The proposed Channel 30 operation will employ a new horizontally polarized nondirectional antenna system to be top-mounted on the WYFF tower in lieu of the existing Channel 36 antenna. *Hearst* proposes to operate WYFF with an effective radiated power (“ERP”) of 945 kW at 598 meters antenna height above average terrain (“HAAT”). The existing tower structure corresponds to FCC Antenna Structure Registration number 1052729. No change to the overall structure height will result.

A map is supplied as Figure 1 which depicts the standard predicted coverage contours. This map includes the location of Greenville, WYFF’s principal community. As demonstrated thereon, the proposed facility complies with §73.625(a)(1) as the entire principal community will be encompassed by the 48 dBμ contour.

The proposed noise limited service contour (“NLSC”) extends slightly beyond that of the *CCRPN* parameters of 884 kW ERP and 596 meters HAAT. The proposal complies with §73.3700(b)(ii) as described in the following.

WYFF's reassignment facility suffers from a 0.24 percent loss of interference-free population¹ when compared to that of its baseline² pre-auction facility. Therefore WYFF qualifies under §73.3700(b)(ii)(A) for a contour extension due to the loss of coverage area resulting from the new channel assignment. A population summary is provided below.

WYFF Interference-Free Service Population

November 2015 Pre-Auction Baseline (Ch. 36):	2,350,463
April 2017 Reassignment Baseline (Ch. 30):	2,344,730
Change:	-0.24%

Interference study per FCC OET Bulletin 69³ 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. This satisfies §73.3700(b)(ii)(C) for the proposed NLSC extension.

The amount of NLSC extension does not exceed one percent in any direction. Figure 2 supplies a coverage contour comparison of the proposed WYFF facility to the reassignment facility's contour and a one percent extension distance of the reassignment facility's contour. Here, the contour level is adjusted with the dipole factor to match FCC application processing. Table 1's results also demonstrate that the proposed contour is within the baseline contour plus one percent. Therefore the proposed contour extension complies with §73.3700(b)(ii)(B).

¹CCRPN "Coverage Baseline for Post-Auction Table of Allotments".

²"Final Digital Television Baseline Coverage Area And Population Served Information Related To Incentive Auction Repacking," DA 15-1296, Public Notice, Released November 12, 2015.

³FCC 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 "TVStudy" software with the default application processing template settings (at 8 radial HAAT count) with 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.

The proposed WYFF facility's terrain-limited population provides a 101.0 percent match of the *CCRPN* baseline facility, as detailed in the following table. The OET Bulletin 69 report summary in Table 1 also concludes that the proposed service area population is more than 95 percent of the baseline population.

Terrain Limited Population - Match of Reassignment		
Population Summary (2010 Census)	Reassignment Parameters	Proposed Facility
OET Bulletin 69: TVStudy		
Within Noise Limited Contour	2,584,963	2,607,578
Not affected by terrain losses	2,372,754	2,397,040
Match of Reassignment	---	101.02%

The proposed 945 kW ERP exceeds the maximum allowed for the proposed antenna HAAT of 598 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 WYFF NLSC is 43,014 square kilometers, which does not exceed the NLSC area of WSPA-TV (47,519 sq. km, Ch. 7, Spartanburg, SC, BLC DT-20090918ACF). Thus, the 945 kW ERP specified herein is in compliance with §73.622(f)(5) of the FCC's Rules.

The nearest FCC monitoring station is 239 km distant at Powder Springs GA. 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). There are no authorized AM stations within 3 kilometers of the site. The site location is beyond the border areas requiring international coordination.

Human Exposure to Radiofrequency Electromagnetic Field

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 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 $5.0 \mu\text{W}/\text{cm}^2$, which is 1.3 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. The proposed transmitting antenna will be installed on an existing antenna support structure which was constructed prior to March 16, 2001. No increase in structure height is proposed.

List of Attachments

Figure 1	Proposed Coverage Contours
Figure 2	Proposed Contour Expansion
Figure 3	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.	April 20, 2017	
207 Old Dominion Road	Yorktown, VA 23692	703-650-9600

Figure 1
Proposed Coverage Contours
WYFF(DT) Greenville, SC
Facility ID 53905
Ch. 30 945 kW 598 m

prepared for
WYFF Hearst Television Inc.

April, 2017

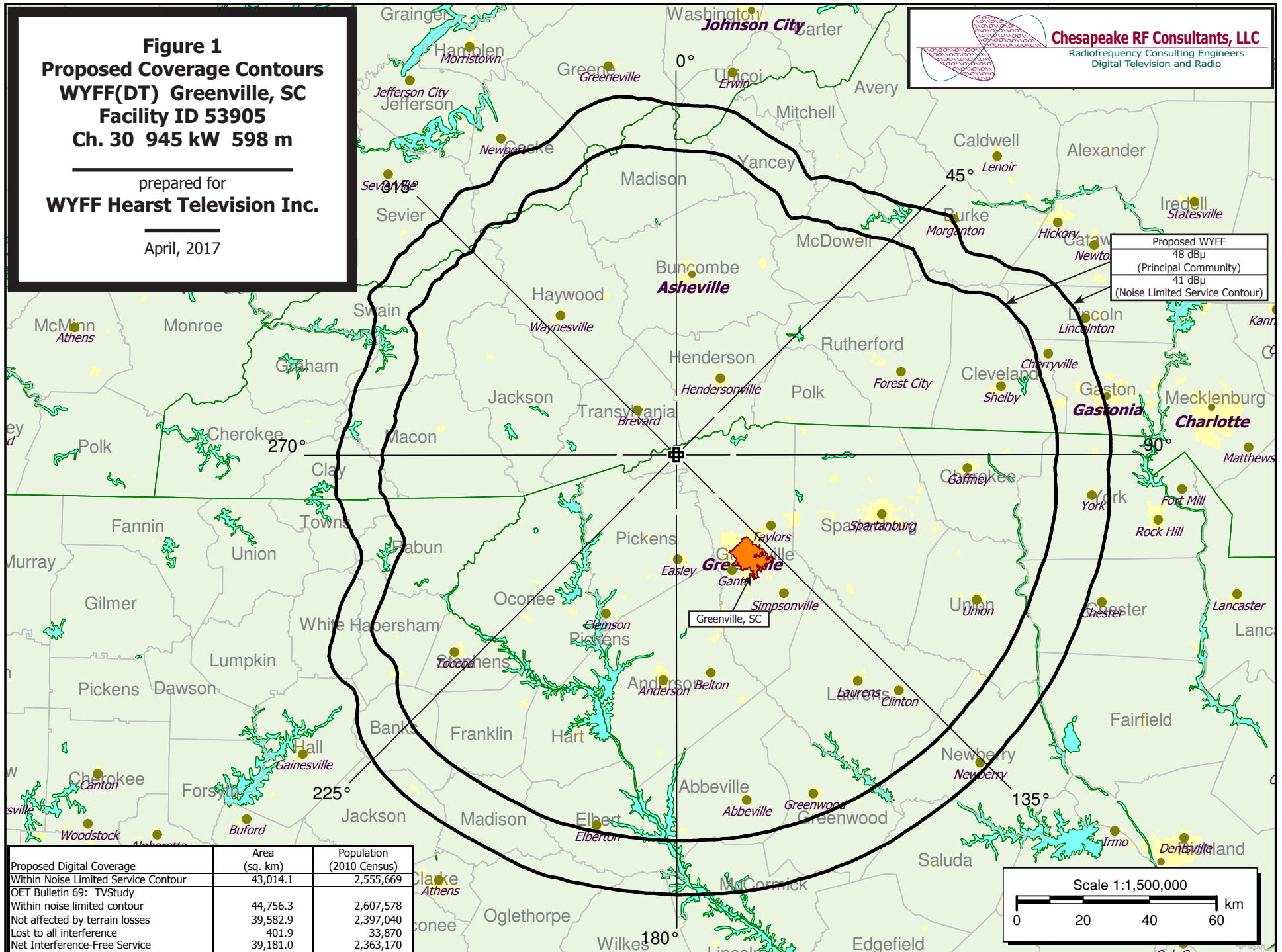
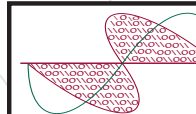


Figure 2
Proposed Contour Expansion
WYFF(DT) Greenville, SC
Facility ID 53905
Ch. 30 945 kW 598 m

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 Radiofrequency Consulting Engineers
 Digital Television and Radio

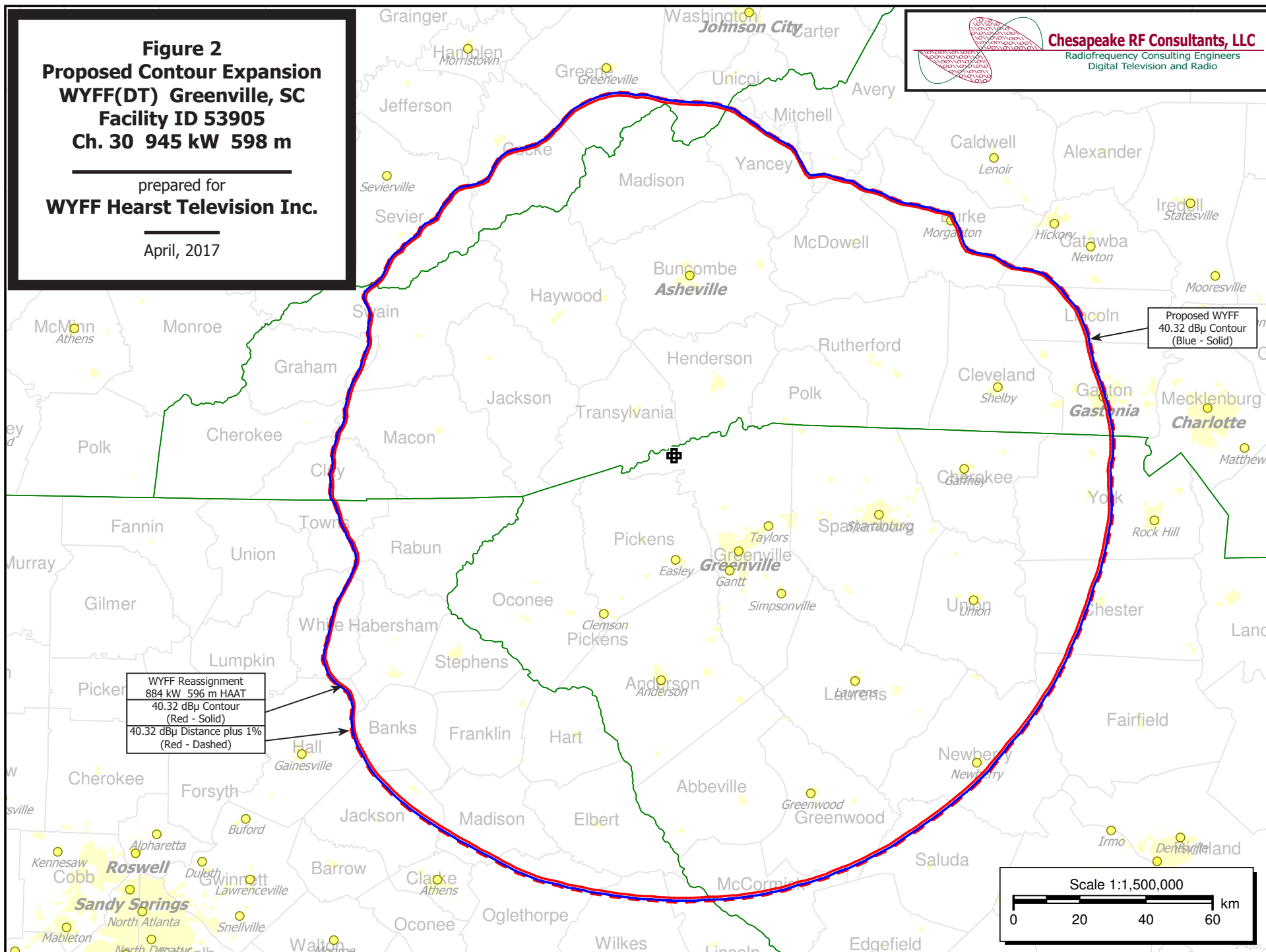
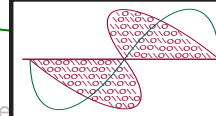


Figure 3
Maximum ERP per §73.622(f)
WYFF(DT) Greenville, SC
Facility ID 53905
Ch. 30 945 kW 598 m

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April, 2017



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Radiofrequency Consulting Engineers
Digital Television and Radio

WSPA-TV Ch. 7 Spartanburg, SC
BLCDT-20090918ACF
36 dBu Contour (NLSC)
Area: 47,519 sq. km

Proposed WYFF
41 dBu Contour (NLSC)
Area: 43,014 sq. km

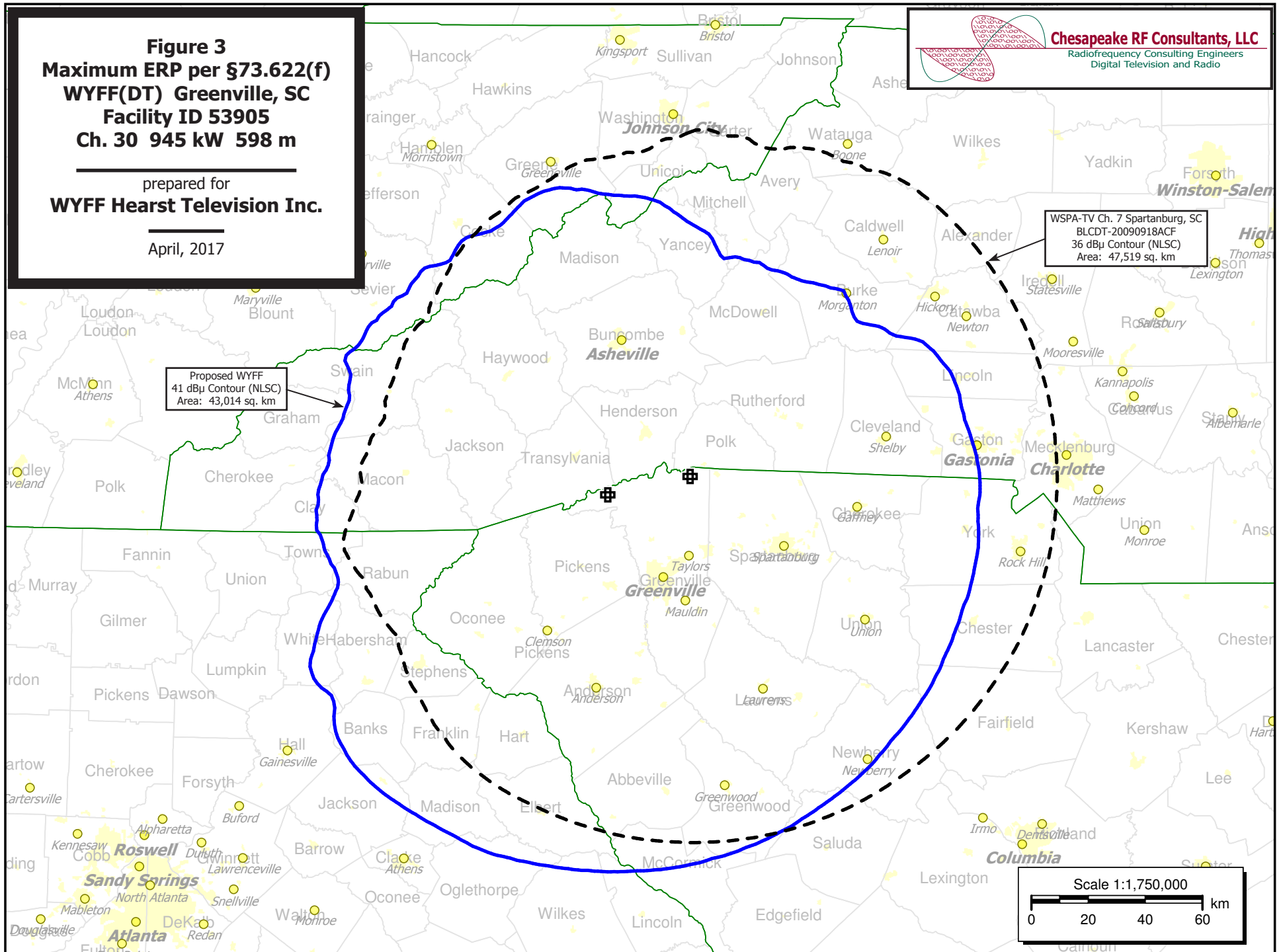
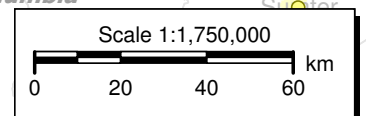


Table 1 WYFF OET Bulletin 69 Interference Study

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tvstudy v2.2.0

Database: localhost, Study: WYFF TOP 945KW 8-rad, Model: Longley-Rice
Start: 2017.04.20 11:32:24

Study created: 2017.04.20 11:32:17

Study build station data: LMS TV Saturday

Proposal: WYFF D30 DT BL GREENVILLE, SC
File number: WYFF TOP 945KW
Facility ID: 53905
Station data: User record
Record ID: 68
Country: U.S.

Records before 2017-04-13 excluded if not on baseline channel

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WRJA-TV	D29	DT	BL	SUMTER, SC	DTVBL61012	254.0 km
WKOP-TV	D29	DT	BL	KNOXVILLE, TN	DTVBL18267	156.7
WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	426.0
WGIQ	D30	DT	BL	LOUISVILLE, AL	DTVBL710	459.4
WDGA-CD	D30	DC	BL	DALTON, GA	DTVBL49235	223.7
WMGT-TV	D30	DT	BL	MACON, GA	DTVBL43847	276.6
WKPC-TV	D30	DT	BL	LOUISVILLE, KY	DTVBL21432	461.9
WKMR	D30	DT	BL	MOREHEAD, KY	DTVBL34202	348.1
WUNU	D30	DT	BL	LUMBERTON, NC	DTVBL69416	326.3
W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	370.3
WNAB	D30	DT	BL	NASHVILLE, TN	DTVBL73310	399.1
WDBJ	D30	DT	BL	ROANOKE, VA	DTVBL71329	319.3
WPCH-TV	D31	DT	BL	ATLANTA, GA	DTVBL64033	215.1
WGHP	D31	DT	BL	HIGH POINT, NC	DTVBL72106	262.2
WKTC	D31	DT	BL	SUMTER, SC	DTVBL40902	201.6
WBXX-TV	D31	DT	BL	CROSSVILLE, TN	DTVBL72971	191.8

Data is not available for AM station check

Record parameters as studied:

Channel: D30
Latitude: 35 6 43.00 N (NAD83)
Longitude: 82 36 23.00 W
Height AMSL: 1196.2 m
HAAT: 597.9 m
Peak ERP: 945 kW
Antenna: Omnidirectional

40.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	945 kW	395.7 m	106.7 km
45.0	945	386.4	105.9
90.0	945	813.9	131.6
135.0	945	857.8	133.2
180.0	945	858.1	133.2
225.0	945	785.5	130.6
270.0	945	352.4	102.8
315.0	945	332.9	101.1

ERP exceeds maximum

ERP: 945 kW ERP maximum: 330 kW

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 729.7 km

Distance to Mexican border: 1702.7 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 235.0 degrees Distance: 238.6 km
ERP: 945 kW Field strength: 16.9 dBu, 0.0 mV/m

Table 1 WYFF OET Bulletin 69 Interference Study (page 2 of 5)



Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 292.4 degrees Distance: 2061.4 km

Study cell size: 2.00 km
Profile resolution: 1.0 points/km

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

Interference to DTVBL61012 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL18267 BL, scenario 1
Proposal causes no interference.

Interference to BLCDT20021219AAV LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL710 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL49235 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WDGA-CD	D30	DC	BL	DALTON, GA	DTVBL49235	
Undesireds:	WYFF	D30	DT	BL	GREENVILLE, SC	DTVBL53905	223.7 km
	WYFF	D30	DT	BL	GREENVILLE, SC	WYFF TOP 945KW	223.7
	WYGA-CD	D29	DC	BL	ATLANTA, GA	DTVBL168094	125.4
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	215.4
	WGIQ	D30	DT	BL	LOUISVILLE, AL	DTVBL710	337.4
	WMGT-TV	D30	DT	BL	MACON, GA	DTVBL43847	257.9
	WNAB	D30	DT	BL	NASHVILLE, TN	DTVBL73310	234.1
	WPCH-TV	D31	DT	BL	ATLANTA, GA	DTVBL64033	120.3

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	5905.1	573,606	5121.9	532,425	5082.2	531,248	5078.2 530,811 0.08 0.08
Undesired				Total IX	Unique IX, before	Unique IX, after	
WYFF D30 DT BL			11.9	407	11.9	407	
WYFF D30 DT BL			15.9	844		15.9 844	
WIAT D30 DT LIC			27.8	770	27.8	770	

Interference to DTVBL43847 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMGT-TV	D30	DT	BL	MACON, GA	DTVBL43847	
Undesireds:	WYFF	D30	DT	BL	GREENVILLE, SC	DTVBL53905	276.6 km
	WYFF	D30	DT	BL	GREENVILLE, SC	WYFF TOP 945KW	276.6
	WYGA-CD	D29	DC	BL	ATLANTA, GA	DTVBL168094	132.8
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	312.7
	WGIQ	D30	DT	BL	LOUISVILLE, AL	DTVBL710	210.2
	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	249.7
	WDGA-CD	D30	DC	BL	DALTON, GA	DTVBL49235	257.9
	W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	270.9
	WPCH-TV	D31	DT	BL	ATLANTA, GA	DTVBL64033	137.6

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	15346.7	601,894	15298.7	601,309	15042.7	596,917	15034.7 596,917 0.05 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	

Table 1 WYFF OET Bulletin 69 Interference Study
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WYFF D30 DT BL	175.7	2,181	131.8	913		
WYFF D30 DT BL	183.7	2,181			139.8	913
WIAT D30 DT LIC	4.0	412	0.0	0	0.0	0
WGIQ D30 DT BL	124.2	3,479	80.3	2,211	80.3	2,211

Interference to DTVBL21432 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL34202 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WKMR	D30	DT	BL	MOREHEAD, KY	DTVBL34202	
Undesireds:	WYFF	D30	DT	BL	GREENVILLE, SC	DTVBL53905	348.1 km
	WYFF	D30	DT	BL	GREENVILLE, SC	WYFF TOP 945KW	348.1
	WPTO	D29	DT	BL	OXFORD, OH	DTVBL25065	144.5
	WCHS-TV	D29	DT	BL	CHARLESTON, WV	DTVBL71280	133.5
	WKPC-TV	D30	DT	BL	LOUISVILLE, KY	DTVBL21432	212.8
	WHIZ-TV	D30	DT	BL	ZANESVILLE, OH	DTVBL61216	230.0
	WNAB	D30	DT	BL	NASHVILLE, TN	DTVBL73310	367.7
	WDBJ	D30	DT	BL	ROANOKE, VA	DTVBL71329	305.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
16731.6		368,367		16041.5		343,473	15878.1 340,032 15878.1 340,032 0.00 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after
WYFF D30 DT BL			7.9		165		4.0 165
WYFF D30 DT BL			7.9		165		4.0 165
WCHS-TV D29 DT BL			23.8		800		15.9 549
WKPC-TV D30 DT BL			43.6		641		35.7 636
WHIZ-TV D30 DT BL			76.0		1,499		60.0 1,038
WDBJ D30 DT BL			43.8		862		19.9 527

Interference to DTVBL69416 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WUNU	D30	DT	BL	LUMBERTON, NC	DTVBL69416	
Undesireds:	WYFF	D30	DT	BL	GREENVILLE, SC	DTVBL53905	326.3 km
	WYFF	D30	DT	BL	GREENVILLE, SC	WYFF TOP 945KW	326.3
	WSFX-TV	D29	DT	BL	WILMINGTON, NC	DTVBL72871	107.9
	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDT20050624ABB	138.3
	WRJA-TV	D29	DT	BL	SUMTER, SC	DTVBL61012	151.8
	WHIG-CD	D30	DC	BL	ROCKY MOUNT, NC	DTVBL168101	167.9
	W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	334.1
	WDBJ	D30	DT	BL	ROANOKE, VA	DTVBL71329	284.6
	WGHP	D31	DT	BL	HIGH POINT, NC	DTVBL72106	134.0
	WKTC	D31	DT	BL	SUMTER, SC	DTVBL40902	174.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
22778.9		1,120,751		22666.9		1,117,099	22067.5 1,094,157 22067.5 1,094,157 0.00 0.00
Undesired			Total IX		Unique IX, before		Unique IX, after
WYFF D30 DT BL			91.6		329		35.6 39
WYFF D30 DT BL			95.5		329		35.6 39
WSFX-TV D29 DT BL			4.0		157		4.0 157
WXLV-TV D29 DT LIC			121.2		3,665		4.0 0
WDBJ D30 DT BL			483.0		21,829		200.9 10,541
WGHP D31 DT BL			302.9		11,916		60.6 893

Interference to BLDTL20110110AAR LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL73310 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL71329 BL, scenario 1

Table 1 WYFF OET Bulletin 69 Interference Study
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Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDBJ	D30	DT	BL	ROANOKE, VA	DTVBL71329	
Undesireds:	WYFF	D30	DT	BL	GREENVILLE, SC	DTVBL53905	319.3 km
	WYFF	D30	DT	BL	GREENVILLE, SC	WYFF TOP 945KW	319.3
	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDT20050624ABB	150.5
	WCHS-TV	D29	DT	BL	CHARLESTON, WV	DTVBL71280	204.2
	WKMR	D30	DT	BL	MOREHEAD, KY	DTVBL34202	305.9
	WUNU	D30	DT	BL	LUMBERTON, NC	DTVBL69416	284.6
	WHIG-CD	D30	DC	BL	ROCKY MOUNT, NC	DTVBL168101	256.2
	WHIZ-TV	D30	DT	BL	ZANESVILLE, OH	DTVBL61216	342.9
	WBYD-CD	D30	DC	BL	PITTSBURGH, PA	DTVBL68395	361.7
	WAZT-CD	D30	DC	BL	WOODSTOCK, VA	DTVBL57905	284.7
	WGHP	D31	DT	BL	HIGH POINT, NC	DTVBL72106	156.2
	WOAY-TV	D31	DT	BL	OAK HILL, WV	DTVBL66804	121.9
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
45760.7 1,606,844		39719.2 1,417,957		38827.1 1,379,614		38819.1 1,379,130	0.02 0.04

Undesired	Total IX	Unique IX, before	Unique IX, after
WYFF D30 DT BL 351.0	16,279	171.5	5,124
WYFF D30 DT BL 370.9	19,038		
WXLV-TV D29 DT LIC 295.2	22,077	175.5	9,491
WCHS-TV D29 DT BL 27.7	109	4.0	0
WKMR D30 DT BL 63.6	347	39.9	257
WUNU D30 DT BL 239.2	10,594	75.7	2,388
WHIZ-TV D30 DT BL 51.4	133	19.8	31
WAZT-CD D30 DC BL 4.0	0	4.0	0
WGHP D31 DT BL 83.7	6,218	8.0	50
WOAY-TV D31 DT BL 154.6	4,921	111.0	4,806

Interference to DTVBL64033 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL72106 BL, scenario 1
Proposal causes no interference.

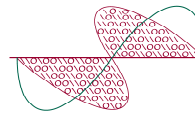
Interference to DTVBL40902 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL72971 BL, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1
1.41% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WYFF	D30	DT	BL	GREENVILLE, SC	WYFF TOP 945KW			
Undesireds:	WYGA-CD	D29	DC	BL	ATLANTA, GA	DTVBL168094	221.2 km		
	WKOP-TV	D29	DT	BL	KNOXVILLE, TN	DTVBL18267	156.7		
	WDGA-CD	D30	DC	BL	DALTON, GA	DTVBL49235	223.7		
	WMGT-TV	D30	DT	BL	MACON, GA	DTVBL43847	276.6		
	WKMR	D30	DT	BL	MOREHEAD, KY	DTVBL34202	348.1		
	WUNU	D30	DT	BL	LUMBERTON, NC	DTVBL69416	326.3		
	W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	370.3		
	WNAB	D30	DT	BL	NASHVILLE, TN	DTVBL73310	399.1		
	WDBJ	D30	DT	BL	ROANOKE, VA	DTVBL71329	319.3		
	WPCH-TV	D31	DT	BL	ATLANTA, GA	DTVBL64033	215.1		
	WKTC	D31	DT	BL	SUMTER, SC	DTVBL40902	201.6		
	WBXX-TV	D31	DT	BL	CROSSVILLE, TN	DTVBL72971	191.8		
Service area		Terrain-limited			IX-free	Percent IX			
44756.3	2,607,578	39582.9	2,397,040	39181.0	2,363,170	1.02	1.41		
Undesired				Total IX	Unique IX	Prcnt Unique IX			
WKOP-TV	D29	DT	BL	16.1	0	4.0	0	0.01	0.00

Table 1 WYFF OET Bulletin 69 Interference Study
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Chesapeake RF Consultants, LLC
Radiofrequency Consulting Engineers
Digital Television and Radio

WMGT-TV D30 DT BL	63.7	2,384	63.7	2,384	0.16	0.10
WKMR D30 DT BL	8.0	24	4.0	24	0.01	0.00
WUNU D30 DT BL	76.4	7,957	32.0	5,083	0.08	0.21
WDBJ D30 DT BL	282.0	26,308	241.7	23,505	0.61	0.98
WKTC D31 DT BL	4.0	71	0.0	0	0.00	0.00
WBXX-TV D31 DT BL	8.1	0	0.0	0	0.00	0.00

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	53905
	State	South Carolina
	City	GREENVILLE
	DTV Channel	30
Facility Type	Facility Type	Commercial
	Station Type	Main
Zone	Zone	2

Antenna Location Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1052729
Coordinates (NAD83)	Latitude	35° 06' 43.0" N+
	Longitude	082° 36' 23.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	263.0 meters
	Support Structure Height	246.4 meters
	Ground Elevation (AMSL)	940.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	255.6 meters
	Height of Radiation Center Above Average Terrain	597.9 meters
	Height of Radiation Center Above Mean Sea Level	1196.2 meters
	Effective Radiated Power	945 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-24GTH-R 04
	Rotation	
	Electrical Beam Tilt	1
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
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