

ENGINEERING EXHIBIT

Digital Low Power Television Station Application for Minor Modification of Licensed Facility prepared for

Gray Television Licensee, LLC
WDZC-LD Augusta, GA
Facility ID 184025
Ch. 29 15 kW Nondirectional

Gray Television Licensee, LLC (“Gray”) is the licensee of digital Low Power Television station WDZC-LD, Channel 29, Facility ID 184025, Augusta GA. WDZC-LD is licensed to operate at 5 kW effective radiated power (“ERP”) with a nondirectional antenna (file# 0000199567, granted September 13, 2022). *Gray* herein seeks a minor modification Construction Permit to relocate WDZC-LD and to utilize increased ERP and antenna height.

The proposed facility will employ the existing WDZC-LD antenna to be relocated and side-mounted on the tower structure associated with FCC Antenna Structure Registration number 1019162, located 34.6 km (21.5 miles) from the licensed site. No change to the overall structure height is proposed.

The WDZC-LD antenna is a Dielectric model TLP-12A/VP-R having elliptical polarization. The proposed ERP is 15 kW horizontally polarized and 4.5 kW vertically polarized using a “full service” out of channel emission mask. Figure 1 depicts the coverage contour of the proposed facility as well as that of the licensed facility, demonstrating compliance with §73.3572 for a minor change.

Interference study per OET Bulletin 69¹ shows that the proposal complies with the FCC’s interference protection requirements toward all digital television, television translator, LPTV, and

¹FCC 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, 1 km cell size, and 0.2 km terrain increment. Comparisons of various results of this computer program (run on a Mac processor) to the FCC’s implementation of

Class A stations. FCC processing of this proposal is requested using a 1.0 km cell size and 0.2 km terrain profile increment. The results, summarized in Table 1, show that any new interference does not exceed the FCC's interference limits (0.5 percent to full power and Class A stations, and 2.0 percent to secondary stations) to any facility.

Human Exposure to Radiofrequency Electromagnetic Field (Environmental)

The proposed facility 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 20 percent antenna relative field in downward elevations (pattern data shows 20 percent or less relative field at angles 10 to 90 degrees below the antenna), the calculated power density attributable to the proposed facility at locations near the transmitter site at a height of two meters above ground level is $4.4 \mu\text{W}/\text{cm}^2$, which is 1.2 percent of the general population / uncontrolled maximum permissible exposure limit. This is 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.

Engineering Exhibit
Gray Television Licensee, LLC (WDZC-LD)
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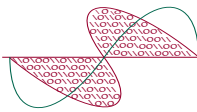


List of Attachments

Figure 1	Coverage Contour Comparison
Table 1	TVStudy Analysis of Proposal
Form 2100	Saved Version of Engineering Sections of FCC Form at Time of Upload

Chesapeake RF Consultants, LLC

Joseph M. Davis, P.E.	September 28, 2023	
207 Old Dominion Road	Yorktown, VA 23692	703-650-9600



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

Figure 1
Coverage Contour Comparison
WDZC-LD Augusta, GA
Facility ID 184025
Ch. 29 15 kW Nondirectional

prepared for
Gray Television Licensee, LLC

September, 2023

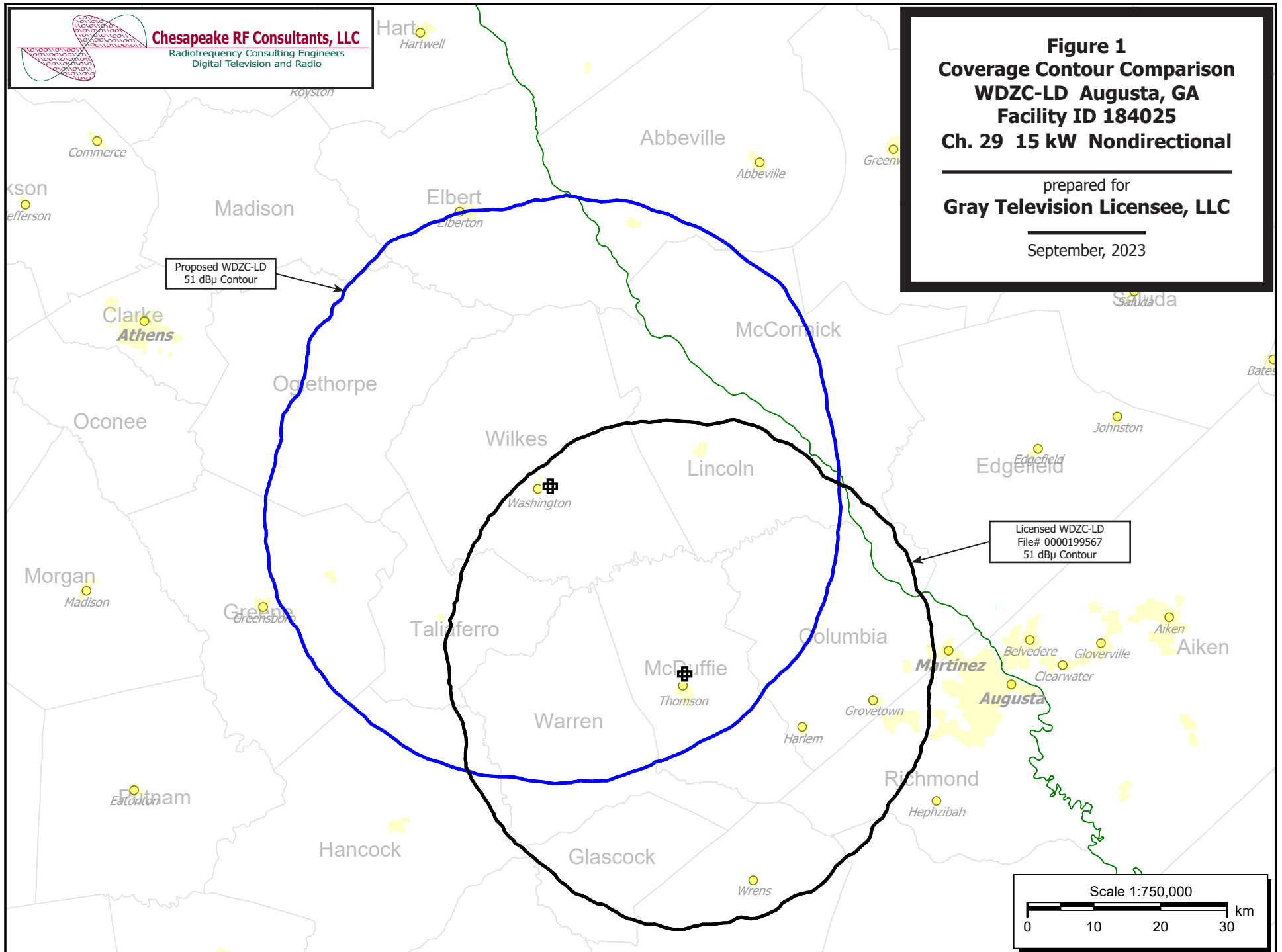


Table 1 WDZC-LD TVStudy Analysis of Proposal (page 1 of 5)



tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WDZC-LD 1019162_260-ft_, Model: Longley-Rice
Start: 2023.09.28 14:58:01

Study created: 2023.09.28 14:55:54

Study build station data: LMS TV 2023-09-25

Proposal: WDZC-LD D29 LD APP AUGUSTA, GA
File number: WDZC-LD 1019162 260-ft
Facility ID: 184025
Station data: User record
Record ID: 6
Country: U.S.

Build options:
Protect pre-transition records not on baseline channel

Search options:
Baseline record excluded if station has CP

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W31FE-D	N14+	TX	LIC	Savannah, GA	BLTT20040915ADW	171.9 km
No	WSST-LD	D28	LD	LIC	ALBANY, GA	BLANK0000169383	229.0
No	WDWW-LD	D28	LD	LIC	ATLANTA, GA	BLANK0000105503	149.9
Yes	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	90.1
No	WELF-TV	D28	DT	LIC	DALTON, GA	BLANK0000090766	275.6
No	W28EU-D	D28	LD	LIC	MACON, GA	BLANK0000112812	137.8
No	W28EW-D	D28	LD	LIC	TOCCOA, GA	BLANK0000167502	113.3
No	WBRC	D29	DT	LIC	BIRMINGHAM, AL	BLANK0000192788	378.7
No	WQMK-LD	D29	LD	LIC	CUSSETA, AL	BLANK0000143981	263.6
No	W29FJ-D	D29	LD	LIC	DOTHAN, AL	BLANK0000194772	375.3
No	WTMU-LD	D29	LD	LIC	MONTGOMERY, AL	BLANK0000218856	365.2
No	WGFL	D29	DT	LIC	HIGH SPRINGS, FL	BLANK0000100460	457.1
No	W29FO-D	D29	LD	LIC	TALLAHASSEE, FL	BLANK0000215012	359.9
No	WFXL	D29	DT	CP	ALBANY, GA	BLANK0000150485	288.4
Yes	W29DN-D	D29	LD	LIC	ATHENS, GA	BLANK0000179566	71.9
No	WYGA-CD	D29	DC	LIC	ATLANTA, GA	BLANK0000200786	151.6
No	W29FD-D	D29	LD	LIC	COLUMBUS, GA	BLANK0000095112	249.3
Yes	WJDO-LD	D29	LD	LIC	MACON, GA	BLANK0000186474	135.0
No	W29FE-D	D29	LD	LIC	BAT CAVE, ETC., NC	BLANK0000073778	191.8
No	WNCB-LD	D29	LD	LIC	FAYETTEVILLE, NC	BLANK0000107110	372.3
Yes	W29DE-D	D29	LD	LIC	HAYESVILLE, NC	BLANK0000138231	174.7
No	WSFX-TV	D29	DT	LIC	WILMINGTON, NC	BLANK0000219015	420.1
No	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLANK0000158591	354.5
No	W29EN-D	D29	LD	LIC	BEAUFORT-LADYS ISLAN, SC	BLANK0000210721	237.0
No	WAZS-LD	D29	LD	LIC	NORTH CHARLESTON, SC	BLDTL20100916ADH	259.1
Yes	WSQY-LD	D29	LD	LIC	SPARTANBURG, SC	BLANK0000136293	136.5
Yes	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000153954	226.7
No	WTCI	D29	DT	LIC	CHATTANOOGA, TN	BLANK0000001535	285.8
Yes	WKOP-TV	D29	DT	LIC	KNOXVILLE, TN	BLANK0000081273	274.9
No	W29FR-D	D29	LD	LIC	LEBANON-NASHVILLE, TN	BLANK0000154284	427.9
No	WCYB-TV	D29	LD	APP	BRISTOL, VA	BLANK0000010637	306.2
No	WBUD-LD	D30	LD	LIC	Atlanta, GA	BLANK0000140550	149.9
No	WAGT-CD	D30	DC	LIC	AUGUSTA, GA	BLANK0000063630	90.1
No	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	134.8
Yes	WYFF	D30	DT	LIC	GREENVILLE, SC	BLANK0000190317	152.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
Mask: Full Service
Latitude: 33 44 25.00 N (NAD83)
Longitude: 82 43 9.00 W
Height AMSL: 261.8 m
HAAT: 0.0 m
Peak ERP: 15.0 kW

Table 1 WDZC-LD TVStudy Analysis of Proposal
(page 2 of 5)



Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 0.50

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	101.1 m	43.7 km
45.0	15.0	130.9	46.3
90.0	15.0	102.9	43.9
135.0	15.0	117.0	45.3
180.0	15.0	116.3	45.2
225.0	15.0	116.1	45.2
270.0	15.0	93.9	42.9
315.0	15.0	98.2	43.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 110 m

Distance to Canadian border: 882.1 km

Distance to Mexican border: 1616.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 274.7 degrees Distance: 185.6 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 296.1 degrees Distance: 2114.6 km

Study cell size: 1.00 km
Profile point spacing: 0.20 km

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

Interference to BLANK0000116201 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	
Undesireds:	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162 260-ft	90.1 km
	WELF-TV	D28	DT	LIC	DALTON, GA	BLANK0000090766	365.5
	WMYV	D28	DT	LIC	GREENSBORO, NC	BLANK0000158590	329.6
	WHMC	D28	DT	LIC	CONWAY, SC	BLANK0000115805	259.2
	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000153954	154.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
40794.6 1,598,713		40401.1 1,589,702		40076.3 1,580,919		39787.6 1,579,217	0.72 0.11
Undesired		Total IX		Unique IX, before		Unique IX, after	
WDZC-LD D29 LD APP		295.7 1,782		288.7 1,702			
WELF-TV D28 DT LIC		9.9 102		9.9 102		3.0 22	
WMYV D28 DT LIC		65.4 1,776		39.3 866		39.3 866	
WHMC D28 DT LIC		154.9 6,053		60.6 4,742		60.6 4,742	
WRJA-TV D29 DT LIC		190.9 2,172		120.7 1,762		120.7 1,762	

Interference to BLANK0000179566 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W29DN-D	D29	LD	LIC	ATHENS, GA	BLANK0000179566	
Undesireds:	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162 260-ft	71.9 km
	WSQY-LD	D29	LD	LIC	SPARTANBURG, SC	BLANK0000136293	140.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
71.0 55,887		68.1 55,471		67.1 55,146		66.1 54,978	1.47 0.30
Undesired		Total IX		Unique IX, before		Unique IX, after	

Table 1 WDZC-LD TVStudy Analysis of Proposal
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WDZC-LD D29 LD APP	2.0	493			1.0	168
WSQY-LD D29 LD LIC	1.0	325	1.0	325	0.0	0

Interference to BLANK0000186474 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WJDO-LD	D29	LD	LIC	MACON, GA	BLANK0000186474	
Undesireds:	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162 260-ft	135.0 km
	W28EU-D	D28	LD	LIC	MACON, GA	BLANK0000112812	49.6
	WFXL	D29	DT	CP	ALBANY, GA	BLANK0000150485	160.2
	WYGA-CD	D29	DC	LIC	ATLANTA, GA	BLANK0000200786	133.3
	W29FD-D	D29	LD	LIC	COLUMBUS, GA	BLANK0000095112	124.8
	W30EU-D	D30	LD	CP	ALBANY, GA	BLANK0000210393	139.5
	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	0.5

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	6879.8 417,928	6794.8 416,644		6388.7 405,111		6388.7 405,111	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDZC-LD D29 LD APP	5.0 15	0.0 0	
W28EU-D D28 LD LIC	18.0 848	16.0 767	
WFXL D29 DT CP	366.1 10,391	342.1 9,695	
WYGA-CD D29 DC LIC	12.0 51	2.0 0	
W29FD-D D29 LD LIC	9.0 574	2.0 0	
WMGT-TV D30 DT LIC	27.0 396	19.0 373	

Interference to BLANK0000138231 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W29DE-D	D29	LD	LIC	HAYESVILLE, NC	BLANK0000138231	
Undesireds:	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162 260-ft	174.7 km
	WYGA-CD	D29	DC	LIC	ATLANTA, GA	BLANK0000200786	146.8
	WKOP-TV	D29	DT	LIC	KNOXVILLE, TN	BLANK0000081273	111.1

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	7278.7 151,249	5503.1 101,177		5487.1 100,925		5486.2 100,925	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDZC-LD D29 LD APP 1.0	0		1.0 0
WYGA-CD D29 DC LIC 2.0	0	2.0 0	2.0 0
WKOP-TV D29 DT LIC 14.0	252	14.0 252	14.0 252

Interference to BLANK0000136293 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSQY-LD	D29	LD	LIC	SPARTANBURG, SC	BLANK0000136293	
Undesireds:	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162 260-ft	136.5 km
	W29FE-D	D29	LD	LIC	BAT CAVE, ETC., NC	BLANK0000073778	55.3
	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLANK0000158591	256.0
	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000153954	229.0
	WYFF	D30	DT	LIC	GREENVILLE, SC	BLANK0000190317	26.0

	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	10061.9 1,211,815	9192.9 1,127,701		8473.6 1,068,114		8468.6 1,068,025	0.06 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
WDZC-LD D29 LD APP	15.0 779	5.0 89	
W29FE-D D29 LD LIC	353.4 28,143	308.4 24,386	
WXLV-TV D29 DT LIC	13.0 150	7.0 106	
WRJA-TV D29 DT LIC	7.0 44	2.0 0	
WYFF D30 DT LIC	400.9 35,095	349.9 31,294	

Interference to BLANK0000153954 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000153954	

Table 1 WDZC-LD TVStudy Analysis of Proposal
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Undesireds:	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162	260-ft	226.7 km
	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201		154.0
	WHMC	D28	DT	LIC	CONWAY, SC	BLANK0000115805		107.5
	WSFX-TV	D29	DT	LIC	WILMINGTON, NC	BLANK0000219015		193.9
	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLANK0000158591		224.5
	WAGT-CD	D30	DC	LIC	AUGUSTA, GA	BLANK0000063630		154.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
24629.2 1,203,432	24494.9 1,199,581	23734.7 1,186,478	23733.7 1,186,468	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDZC-LD D29 LD APP	11.0 1,075	1.0 10	
WJBF D28 DT LIC	50.5 2,162	30.7 1,072	30.7 1,072
WHMC D28 DT LIC	208.4 2,352	37.6 814	37.6 814
WSFX-TV D29 DT LIC	320.4 5,084	129.6 2,440	128.6 1,984
WXLV-TV D29 DT LIC	379.5 6,896	355.6 5,794	351.6 5,778
WAGT-CD D30 DC LIC	19.8 1,090	0.0 0	0.0 0

Interference to BLANK0000081273 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance		
Desired:	WKOP-TV	D29	DT	LIC	KNOXVILLE, TN	BLANK0000081273			
Undesireds:	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162	260-ft 274.9 km		
	WELF-TV	D28	DT	LIC	DALTON, GA	BLANK0000090766	185.8		
	WEMT	D28	DT	LIC	GREENEVILLE, TN	BLANK0000072087	173.2		
	WBRC	D29	DT	LIC	BIRMINGHAM, AL	BLANK0000192788	380.9		
	WYGA-CD	D29	DC	LIC	ATLANTA, GA	BLANK0000200786	252.9		
	WKGB-TV	D29	DT	LIC	BOWLING GREEN, KY	BLANK0000087457	268.3		
	WPTO	D29	DT	LIC	OXFORD, OH	BLANK0000214011	351.3		
	WCHS-TV	D29	DT	LIC	CHARLESTON, WV	BLANK0000167887	323.9		
	WDGA-CD	D30	DC	LIC	DALTON, GA	BLANK0000098047	170.1		
	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
32648.4	1,555,950	27754.1	1,408,343	27597.2	1,402,781	27594.2	1,402,781	0.01	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDZC-LD D29 LD APP	6.0 0	3.0 0	
WELF-TV D28 DT LIC	5.0 11	3.0 0	3.0 0
WEMT D28 DT LIC	68.7 3,367	68.7 3,367	68.7 3,367
WBRC D29 DT LIC	22.9 605	20.9 594	20.9 594
WYGA-CD D29 DC LIC	6.0 0	6.0 0	3.0 0
WKGB-TV D29 DT LIC	30.3 1,242	29.3 1,242	29.3 1,242
WPTO D29 DT LIC	4.0 0	2.0 0	2.0 0
WCHS-TV D29 DT LIC	23.1 300	22.1 300	22.1 300
WDGA-CD D30 DC LIC	1.0 48	1.0 48	1.0 48

Interference to BLANK0000190317 LIC scenario 1

Desired:	Call WYFF	Chan D30	Svc DT	Status LIC	City, State GREENVILLE, SC	File Number BLANK0000190317	Distance		
Undesireds:	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162	260-ft 152.8 km		
	WKOP-TV	D29	DT	LIC	KNOXVILLE, TN	BLANK0000081273	156.7		
	WAGT-CD	D30	DC	LIC	AUGUSTA, GA	BLANK0000063630	202.5		
	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	276.6		
	WKMR	D30	DT	LIC	MOREHEAD, KY	BLANK0000075044	348.1		
	WUNU	D30	DT	LIC	LUMBERTON, NC	BLANK0000114990	326.3		
	WDBJ	D30	DT	LIC	ROANOKE, VA	BLANK0000199694	319.3		
	WKTC	D31	DT	LIC	SUMTER, SC	BLANK0000093003	201.6		
	WBXX-TV	D31	DT	LIC	CROSSVILLE, TN	BLANK0000081641	191.8		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
45301.7	2,629,601	41836.8	2,438,796	41282.7	2,420,993	41282.7	2,420,993	0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WDZC-LD D29 LD APP	1.0 0	0.0 0	
WKOP-TV D29 DT LIC	7.9 0	3.0 0	3.0 0
WAGT-CD D30 DC LIC	373.9 4,471	356.0 4,019	356.0 4,019
WMGT-TV D30 DT LIC	29.8 1,031	18.0 706	18.0 706

Table 1 WDZC-LD TVStudy Analysis of Proposal
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WKMR D30 DT LIC	6.0	0	5.0	0	5.0	0
WUNU D30 DT LIC	55.8	3,874	45.8	3,545	45.8	3,545
WDBJ D30 DT LIC	105.5	9,173	94.5	8,717	94.5	8,717
WKTC D31 DT LIC	2.0	35	2.0	35	2.0	35
WBXX-TV D31 DT LIC	2.0	0	1.0	0	1.0	0

Interference to proposal scenario 1
2.02% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WDZC-LD	D29	LD	APP	AUGUSTA, GA	WDZC-LD 1019162	260-ft
Undesireds:	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	90.1 km
	WFXL	D29	DT	CP	ALBANY, GA	BLANK0000150485	288.4
	WYGA-CD	D29	DC	LIC	ATLANTA, GA	BLANK0000200786	151.6
	WJDO-LD	D29	LD	LIC	MACON, GA	BLANK0000186474	135.0
	WSQY-LD	D29	LD	LIC	SPARTANBURG, SC	BLANK0000136293	136.5
	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000153954	226.7
	WAGT-CD	D30	DC	LIC	AUGUSTA, GA	BLANK0000063630	90.1

Service area		Terrain-limited		IX-free		Percent IX	
6213.5	77,358	6109.4	76,860	6015.5	75,309	1.54	2.02
Undesired		Total IX		Unique IX		Prct Unique IX	
WJBF D28 DT LIC	39.6	1,021	14.9	415	0.24	0.54	
WFXL D29 DT CP	4.0	33	1.0	0	0.02	0.00	
WYGA-CD D29 DC LIC	1.0	55	1.0	55	0.02	0.07	
WJDO-LD D29 LD LIC	2.0	33	0.0	0	0.00	0.00	
WSQY-LD D29 LD LIC	51.4	475	48.4	442	0.79	0.58	
WRJA-TV D29 DT LIC	3.0	0	1.0	0	0.02	0.00	
WAGT-CD D30 DC LIC	24.8	606	0.0	0	0.00	0.00	

**Channel and
Facility
Information**

Section	Question	Response
Facility ID	184025	
State	Georgia	
City	AUGUSTA	
LPD Channel	29	

**Antenna Location
Data**

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1019162
Coordinates (NAD83)	Latitude	33° 44' 25.0" N+
	Longitude	082° 43' 09.0" W-
	Structure Type	GTOWER-Guyed Structure Used for Communication Purposes
	Overall Structure Height	96.0 meters
	Support Structure Height	91.4 meters
	Ground Elevation (AMSL)	182.6 meters
Antenna Data	Height of Radiation Center Above Ground Level	79.2 meters
	Height of Radiation Center Above Mean Sea Level	261.8 meters
	Effective Radiated Power	15 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:	Dielectric
	Model	TLP-12A/VP-R
	Rotation	
	Electrical Beam Tilt	0.5
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Elliptical
Elevation Radiation 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	
	Out-of-Channel Emission Mask:	Full Service