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**ENGINEERING STATEMENT FOR
PROPOSED STA FOR WGBP DTS2**

Introduction

This document will describe the proposed temporary facilities for WGBP DTS2 and the reason for the STA request.

Background

Currently, WGBP DTS2 is operating using STA with FCC file number Blank-0000189419 on its licensed antenna at 25% power due to transmitter and antenna instability. A recent site investigation trip has discovered damage to the antenna associated with the licensed DTS2 antenna. The damage is going to require significant analysis, repair, replacement, and downtime for the antenna. It is anticipated that replacement panels for the antenna may require 3 months for delivery and another month to obtain a tower crew and implement the replacements. Thus, CNZ believes it is necessary to install a temporary antenna until such time as repairs to the primary antenna can be accomplished.

Specific Facilities For the Temporary Antenna

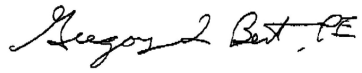
The proposed DTS2 facility consists of the existing transmitter and an ERI antenna model IC230ECW. The temporary antenna will have a center of radiation at 850 ft (259 meters) above ground level and an RCAMSL of 657 meters. Since the mounting height of the temporary antenna is slightly lower than the licensed antenna facility, a small amount of transmission line will be disconnected and saved for use when the licensed antenna is replaced.

The proposed facility generates an ERP of 200 kW using the existing transmitter and transmission line, and the I230ECW antenna with horizontal only polarization. The proposed facility will not cause or receive any interference as evidenced by the attached results from TV Study. The proposed facility will contribute an RF Exposure of less than 5% of the permissible OET-65 limits for general population exposure and thus it may be excluded from any such RF Exposure site study. The proposed facility ERP produces a contour that matches or is within the existing DTS2 contour as evidenced by the attached contour map.

Summary

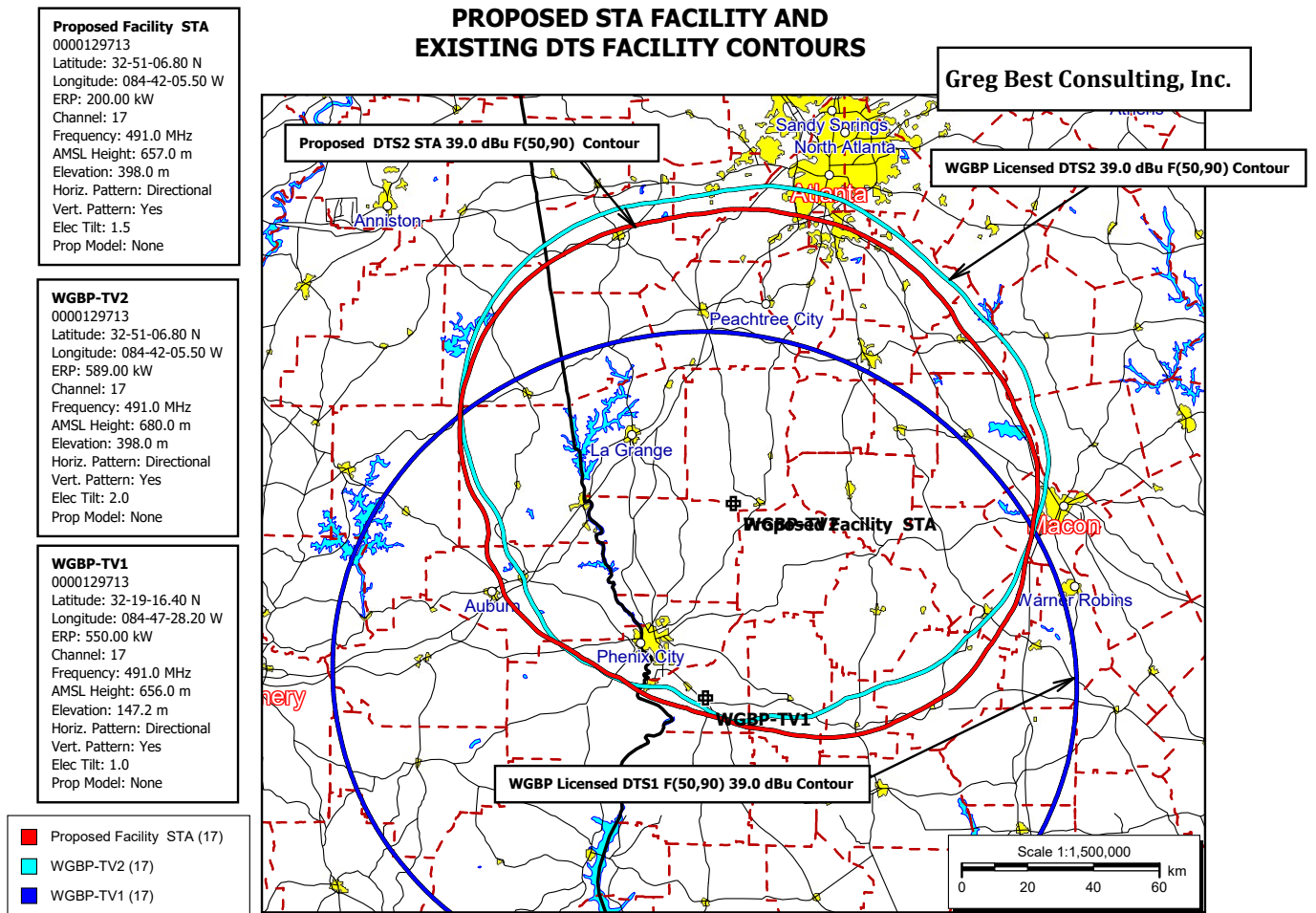
The proposed facility complies with constraints imposed by the current license. The public interest is served by the proposed facility and CNZ looks forward to getting the primary facility back to its authorized coverage as soon as possible.

Sincerely,

A handwritten signature in black ink that reads "Gregor A. Best, PE". The signature is written in a cursive style with a horizontal line extending from the end.

Consulting Engineer
Attachments

Map Showing Proposed STA Facility F(50,90) Contour and Licensed Facility F (50,90) Contours for DTS1 & DTS2



RF EXPOSURE ANALYSIS

This will serve as the exhibit to confirm that no significant Environmental Impact Assessment as defined in FCC Rule 1.1307 for the proposed facility is necessary. The site is not an Native American religious site, nor located in a flood plain area, nor officially designated wilderness area, nor officially designated wildlife preserve. Likewise, the proposed change of the facility does not include any lighting changes, nor creates any land disturbance or surface features to the existing facility.

To ensure the proposed facility does not create an RF Radiation Hazard, the calculation for this proposed facility is shown below. The RF radiation near the ground (2 meters above ground) can be calculated using the OET-65 formula for broadcast television stations taking into account the following factors

S= power density in watts per square meter

P= total Effective Radiated Power from the antenna

F= field radiated on the axis to the ground level

R= distance to the ground level (actually 2 meters above ground)

Therefore, given the following data for the proposed facility:

P= 200 kwatts

R=Radiation center above ground level – 2 meters)
= meters

F= 0.1 for UHF antennas

The RF radiation near the ground level can be calculated with the following result:

1.01 $\mu\text{watts}/\text{cm}^2$

which is 0.31 % of the general population exposure limit of 327 $\mu\text{w}/\text{cm}^2$ for this channel 17 facility

Since the contribution from this RF source is less than 5% of the MPE limit for Occupational/Controlled Exposure or General Population/Uncontrolled Exposure at any point on the ground, proposed facility is not considered a “significant contributor” to the RF exposure environment pursuant to OET Bulletin 65, Edition 97-01. The licensee, in coordination with the other users of the antenna facility, will reduce power or cease operation as necessary to protect persons having access to the tower or antenna from RF energy in excess of the FCC guidelines.

tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WGBP DTS2 STA, Model: Longley-Rice
Start: 2022.06.29 10:30:52

Study last edited: 2022.06.29 10:30:49

Proposal: WGBP DTS2 D17 DT STA WARM SPRINGS, GA
File number: WGBP DTS2 STA
Facility ID: 0
Station data: User record
Record ID: 101
Country: U.S.

Proposal "before": (none)

Study has been edited. Stations studied for impact of proposal:

Call	Chan	Svc	Status	City, State	File Number	Distance
W16DV-D	D16	LD	LIC	Alexander City, AL	BLANK0000190001	75.5 km
WRDP-LD	D16	LD	LIC	COLUMBUS, GA	BLANK0000178766	47.0
WRDP-LD	D16	LD	CP	COLUMBUS, GA	BLANK0000185006	59.6
DDW26DS-D	D16	LD	APP	LA GRANGE, GA	BLANK0000053055	43.8
WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	96.2
WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	162.5
WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK0000011374	208.1
WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	269.3
WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	262.9
WSB-TV	D17	LD	CP	ATLANTA, GA	BLANK0000137672	147.1
WJEA-LD	D17	LD	LIC	AUGUSTA, GA	BLANK0000179280	248.6
WJEA-LD	D17	LD	CP	AUGUSTA, GA	BLANK0000189899	273.2
WKSY-LD	D17	LD	CP	SUMMERVILLE/TRION, GA	BLANK0000074683	188.0
WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000190316	318.9
WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	111.4
WPGA-LD	D18-	LD	LIC	MACON, GA	BLANK0000163851	107.5

Record parameters as studied:

Channel: D17
Latitude: 32 51 6.80 N (NAD83)
Longitude: 84 42 5.50 W
Height AMSL: 657.0 m
HAAT: 395.5 m
Peak ERP: 200 kW
Antenna: I230WC HPOL SUPERPANEL 23.0 deg
Elev Pattn: Generic
Elec Tilt: 1.50

39.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	128 kW	396.8 m	92.2 km
45.0	128	392.1	91.9
90.0	198	391.5	95.1
135.0	59.2	426.9	88.3
180.0	3.65	411.4	69.1
225.0	3.38	408.1	68.5
270.0	56.4	330.8	80.7
315.0	197	406.4	96.1

Distance to Canadian border: 996.9 km

Distance to Mexican border: 1407.2 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 358.9 degrees Distance: 112.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 299.7 degrees Distance: 1997.9 km

No land mobile station failures found

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 BLANK0000190001 LIC scenario 1
Proposal causes no interference.

Interference to BLANK0000190001 LIC scenario 2
Proposal causes no interference.

Interference to BLANK0000178766 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired:	WRDP-LD	D16	LD	LIC	COLUMBUS, GA	BLANK0000178766		
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	47.0	km
	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDT20061013ABV	17.6	
	W16DV-D	D16	LD	LIC	Alexander City, AL	BLANK0000190001	65.2	
	WJHG-TV	D16	DT	LIC	PANAMA CITY, FL	BLANK0000068516	238.9	
	W16EE-D	D16	LD	APP	AUGUSTA, GA	BLANK0000186170	275.4	
	DDW26DS-D	D16	LD	APP	LA GRANGE, GA	BLANK0000053055	64.9	
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	207.4	
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	11.8	
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
136.9		113,543		128.8 109,156		56.4 59,613		0.00 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after		
WGBP DTS2 D17 DT STA		4.0		3,281		0.0		0
WRBL D15 DT LIC		72.5		49,543		8.1		5,058
W16DV-D D16 LD LIC		16.1		3,283		0.0		0
WJHG-TV D16 DT LIC		12.1		7,755		0.0		0
DDW26DS-D D16 LD APP		12.1		4,474		0.0		0
WPXA-TV D16 DT LIC		8.1		3,281		0.0		0
WGBP-TV D17 DD LIC		64.4		44,485		0.0		0

Interference to BLANK0000185006 CP scenario 1

Desired:	Call WRDP-LD	Chan D16	Svc LD	Status CP	City, State COLUMBUS, GA	File Number BLANK0000185006	Distance
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	59.6 km
	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDT20061013ABV	0.0
	W16DV-D	D16	LD	LIC	Alexander City, AL	BLANK0000190001	80.8
	WJHG-TV	D16	DT	LIC	PANAMA CITY, FL	BLANK0000068516	226.1
	DDW38EM-D	D16	LD	APP	ALBANY, GA	BLANK0000052733	89.1
	W16EE-D	D16	LD	APP	AUGUSTA, GA	BLANK0000186170	275.6
	DDW26DS-D	D16	LD	APP	LA GRANGE, GA	BLANK0000053055	82.3
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	221.8
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	21.1
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
6753.7		331,240		6680.9 331,140		3305.7 236,196	3305.7 236,196
Undesired		Total IX		Unique IX, before		Unique IX, after	
WGBP DTS2 D17 DT STA		16.1		231		0.0 0	
WRBL D15 DT LIC		3375.2		94,944		351.2 8,743	
W16DV-D D16 LD LIC		149.0		3,675		0.0 0	
WJHG-TV D16 DT LIC		125.1		931		0.0 0	
DDW38EM-D D16 LD APP		117.3		742		0.0 0	
DDW26DS-D D16 LD APP		72.5		1,078		0.0 0	
WPXA-TV D16 DT LIC		60.6		228		0.0 0	
WGBP-TV D17 DD LIC		3020.0		86,201		0.0 0	

Interference to BLANK0000053055 APP scenario 1

Desired:	Call DDW26DS-D	Chan D16	Svc LD	Status APP	City, State LA GRANGE, GA	File Number BLANK0000053055	Distance		
Undesireds:	WGBP DTS2 WRBL W16DV-D WALE-LD WJHG-TV W16EE-D WRDP-LD WPXA-TV WGBP-TV	D17 D15 D16 D16 D16 D16 D16 D16 D16 D17	DT DT LD LD DT LD LD DT DD	STA LIC LIC LIC LIC APP LIC LIC LIC LIC	WARM SPRINGS, GA COLUMBUS, GA Alexander City, AL MONTGOMERY, AL PANAMA CITY, FL AUGUSTA, GA COLUMBUS, GA ROME, GA OPELIKA, AL	WGBP DTS2 STA BLCDT20061013ABV BLANK0000190001 BLANK0000152783 BLANK0000068516 BLANK0000186170 BLANK0000178766 BLANK0000081827 BLANK0000129713	43.8 km 82.3 45.0 130.9 295.6 274.2 64.9 152.5 64.1		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
3454.0		123,431		3409.9 122,578		2941.3 116,089		2937.3 116,086	0.14 0.00
Undesired				Total IX		Unique IX, before		Unique IX, after	
WGBP DTS2 D17 DT STA				124.0 2,337		4.0 3		0 0	
WRBL D15 DT LIC				40.1 473		0.0 0		0.0 0	
W16DV-D D16 LD LIC				268.7 3,110		192.5 2,499		192.5 2,499	
WALE-LD D16 LD LIC				8.0 169		0.0 0		0.0 0	
WJHG-TV D16 DT LIC				4.0 0		0.0 0		0.0 0	
WPXA-TV D16 DT LIC				96.1 1,347		16.0 283		16.0 283	
WGBP-TV D17 DD LIC				228.1 3,485		156.0 2,509		59.9 410	

Interference to BLANK0000053055 APP scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	DDW26DS-D	D16	LD	APP	LA GRANGE, GA	BLANK0000053055	
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	43.8 km
	WRBL	D15	DT	LIC	COLUMBUS, GA	BLCDT20061013ABV	82.3
	W16DV-D	D16	LD	LIC	Alexander City, AL	BLANK0000190001	45.0
	WALE-LD	D16	LD	LIC	MONTGOMERY, AL	BLANK0000152783	130.9
	WJHG-TV	D16	DT	LIC	PANAMA CITY, FL	BLANK0000068516	295.6
	W16EE-D	D16	LD	APP	AUGUSTA, GA	BLANK0000186170	274.2

WRDP-LD	D16	LD	CP	COLUMBUS, GA	BLANK0000185006	82.3
WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	152.5
WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	64.1
Service area	123,431	Terrain-limited	3409.9	IX-free, before	IX-free, after	Percent New IX
3454.0	123,431	122,578	2913.2	115,228	2909.2 115,225	0.14 0.00
Undesired		Total IX		Unique IX, before	Unique IX, after	
WGBP DTS2 D17 DT STA	124.0	2,337			4.0 3	
WRBL D15 DT LIC	40.1	473	0.0	0	0.0 0	
W16DV-D D16 LD LIC	268.7	3,110	176.4	2,004	176.4 2,004	
WALE-LD D16 LD LIC	8.0	169	0.0	0	0.0 0	
WJHG-TV D16 DT LIC	4.0	0	0.0	0	0.0 0	
WRDP-LD D16 LD CP	108.4	2,117	28.1	861	28.1 861	
WPXA-TV D16 DT LIC	96.1	1,347	12.0	49	12.0 49	
WGBP-TV D17 DD LIC	228.1	3,485	148.0	2,464	55.9 393	

Interference to BLANK0000074865 LIC scenario 1
Proposal causes no interference.

Interference to BLANK0000081827 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	162.5 km
	WAFF	D15	DT	LIC	HUNTSVILLE, AL	BLANK0000111344	178.4
	WTNZ	D15	DT	LIC	KNOXVILLE, TN	BLANK0000081278	197.3
	W16DS-D	D16	DC	LIC	BIRMINGHAM, AL	BLANK0000080930	219.6
	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	187.0
	WSAV-TV	D16	DT	LIC	SAVANNAH, GA	BLANK0000055021	399.8
	WHTN	D16	DT	LIC	MURFREESBORO, TN	BLANK0000100650	254.7
	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	178.9
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	200.7
Service area	6,587,205	Terrain-limited	38026.4	IX-free, before	IX-free, after	Percent New IX	
41234.9	6,587,205	6,458,510	36576.0	6,364,561	36512.2 6,358,290	0.17 0.10	
Undesired		Total IX		Unique IX, before	Unique IX, after		
WGBP DTS2 D17 DT STA	127.6	15,402			63.8 6,271		
WAFF D15 DT LIC	377.8	12,906	11.9	554	11.9 554		
WTNZ D15 DT LIC	12.1	66	4.1	25	4.1 25		
W16DS-D D16 DC LIC	40.0	886	32.0	787	32.0 787		
WDMA-CD D16 DC LIC	291.7	29,396	267.7	28,464	263.7 28,011		
WSAV-TV D16 DT LIC	24.1	734	8.0	423	8.0 423		
WHTN D16 DT LIC	795.9	25,049	394.0	11,503	394.0 11,503		
WAAY-TV D17 DT LIC	453.6	15,530	75.7	2,507	75.7 2,507		
WGBP-TV D17 DD LIC	195.3	34,527	187.4	33,906	135.5 25,849		

Interference to BLANK0000011374 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUOA-LD	D17	LD	LIC	BIRMINGHAM, AL	BLANK0000011374	
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	208.1 km
	W16DS-D	D16	DC	LIC	BIRMINGHAM, AL	BLANK0000080930	0.3
	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	141.4
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	218.0
	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	70.2
	WEAR-TV	D17	DT	LIC	PENSACOLA, FL	BLANK0000121008	328.8
	WEPH	D17	DT	LIC	TUPELO, MS	BLANK0000062855	213.8
	W17EI-D	D17	LD	CP	JACKSON, TN	BLANK0000179410	301.7
	W18ET-D	D18	LD	LIC	BIRMINGHAM, AL	BLANK0000136285	5.0
Service area	896,036	Terrain-limited	4579.1	IX-free, before	IX-free, after	Percent New IX	
4951.2	896,036	872,107	3927.4	814,495	3927.4 814,495	0.00 0.00	
Undesired		Total IX		Unique IX, before	Unique IX, after		
WGBP DTS2 D17 DT STA	44.0	2,467			0.0 0		
W16DS-D D16 DC LIC	16.0	7,454	11.9	7,155	11.9 7,155		
WAAY-TV D17 DT LIC	356.2	22,731	164.3	14,701	164.3 14,701		
WGBP-TV D17 DD LIC	120.0	3,935	24.0	2,363	16.0 633		
WJMY-CD D17 DC LIC	379.5	26,617	235.5	20,181	235.5 20,181		
WEAR-TV D17 DT LIC	4.0	0	0.0	0	0.0 0		
WEPH D17 DT LIC	36.0	3,972	4.0	2,964	4.0 2,964		
W18ET-D D18 LD LIC	12.0	2,011	12.0	2,011	12.0 2,011		

Interference to BLANK0000163425 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	269.3 km
	W16DS-D	D16	DC	LIC	BIRMINGHAM, AL	BLANK0000080930	141.5
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	178.9
	WHTN	D16	DT	LIC	MURFREESBORO, TN	BLANK0000100650	149.9
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	296.1
	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	190.9

	WKMU	D17	DT	LIC	MURRAY, KY	BLANK0000087481	282.7		
	WKS0-TV	D17	DT	LIC	SOMERSET, KY	BLANK0000087465	310.8		
	WEPH	D17	DT	LIC	TUPELO, MS	BLANK0000062855	257.0		
Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
34887.6	1,531,377	32950.6	1,452,612	31678.5	1,403,161	31670.4	1,403,099	0.03	0.00
Undesired				Total IX		Unique IX, before		Unique IX, after	
WGBP DTS2	D17	DT	STA	343.8	20,534		8.1	62	
W16DS-D	D16	DC	LIC	8.0	461	0.0	0.0	0	
WPXA-TV	D16	DT	LIC	203.6	6,428	43.9	43.9	2,251	
WHTN	D16	DT	LIC	48.4	1,406	48.4	48.4	1,406	
WGBP-TV	D17	DD	LIC	619.4	30,971	351.5	171.8	7,153	
WJMY-CD	D17	DC	LIC	308.8	16,406	112.3	108.3	3,334	
WKMU	D17	DT	LIC	28.2	1,337	20.1	20.1	999	
WKS0-TV	D17	DT	LIC	8.0	360	4.0	4.0	168	
WEPH	D17	DT	LIC	464.2	12,226	311.8	311.8	7,602	

Interference to BLANK0000086812 LIC scenario 1
Proposal causes no interference.

Interference to BLANK0000137672 CP scenario 1

Desired:	Call WSB-TV	Chan D17	Svc LD	Status CP	City, State ATLANTA, GA	File Number BLANK0000137672	Distance
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	147.1 km
	W16EE-D	D16	LD	APP	AUGUSTA, GA	BLANK0000186170	143.1
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	90.3
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	182.9
	WJEA-LD	D17	LD	LIC	AUGUSTA, GA	BLANK0000179280	168.9
	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000190316	171.8
	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	53.1
	Service area	Terrain-limited		IX-free, before		IX-free, after	Percent New IX
	4091.3	645,582	4083.2	645,383	3161.4	456,726	3161.4 456,726 0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
WGBP DTS2	D17	DT	STA	44.0	8,474	0.0	0
WPXA-TV	D16	DT	LIC	4.0	3,084	0.0	0
WGBP-TV	D17	DD	LIC	152.4	24,082	44.2	2,622
WHNS	D17	DT	LIC	781.4	100,232	665.1	86,041
WUVG-DT	D18	DT	LIC	128.4	95,615	68.2	68,200

Interference to BLANK0000179280 LIC scenario 1
Proposal causes no interference.

Interference to BLANK0000189899 CP scenario 1
Proposal causes no interference.

Interference to BLANK0000074683 CP scenario 1

Desired:	Call WKSJ-LD	Chan D17	Svc LD	Status CP	City, State SUMMERVILLE/TRION, GA	File Number BLANK0000074683	Distance						
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	188.0 km						
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	62.0						
	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	116.9						
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	222.9						
	WJEA-LD	D17	LD	LIC	AUGUSTA, GA	BLANK0000179280	320.4						
	W18DS-D	D18	LD	LIC	CHATTANOOGA, TN	BLDTL20120320ABS	87.7						
Service area		Terrain-limited			IX-free, before	IX-free, after	Percent New IX						
4730.4		340,119			3946.4	267,235	3129.2	197,333	3129.2	197,333	0.00	0.00	
Undesired				Total IX		Unique IX, before		Unique IX, after					
WGBP DTS2 D17 DT STA				63.7		3,172		0.0		0			
WPXA-TV D16 DT LIC				658.0		59,818		382.9		44,823			
WAAY-TV D17 DT LIC				243.4		12,772		32.0		765			
WGBP-TV D17 DD LIC				219.0		12,998		43.8		4,555		27.9	
W18DS-D D18 LD LIC				83.3		4,591		47.6		2,519		47.6	

Interference to BLANK0000190316 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000190316	
Undesireds:	WGBP DTS2 D17 DT STA	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	318.9 km
	WPXA-TV D16 DT LIC	D16	DT	LIC	ROME, GA	BLANK0000081827	203.9
	WAPK-CD D16 DC LIC	D16	DC	LIC	BRISTOL VA/KINGSPORT, TN	BLANK0000070481	147.3
	WAAY-TV D17 DT LIC	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	354.3
	WGBP-TV D17 DD LIC	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	354.3
	WKS0-TV D17 DT LIC	D17	DT	LIC	SOMERSET, KY	BLANK0000087465	292.7
	WRAL-TV D17 DT LIC	D17	DT	LIC	RALEIGH, NC	BLANK0000143682	380.2
	WTAT-TV D17 DT LIC	D17	DT	LIC	CHARLESTON, SC	BLANK0000184941	371.1
	WVVA D17 DT LIC	D17	DT	LIC	BLUEFIELD, WV	BLANK0000087309	266.9

WCCB	D18	DT	LIC	CHARLOTTE, NC	BLANK0000097908	177.1	
WPXK-TV	D18	DT	LIC	JELLICO, TN	BLANK0000081463	145.9	
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
42319.4	2,549,610	34950.7	2,270,868	34441.9	2,251,756	34430.0	2,251,663
Undesired	Total IX		Unique IX, before		Unique IX, after		
WGBP DTS2 D17 DT STA	107.3	3,311			11.9	93	
WPXA-TV D16 DT LIC	4.0	752	4.0	752	4.0	752	
WAPK-CD D16 DC LIC	20.0	867	0.0	0	0.0	0	
WAAY-TV D17 DT LIC	12.0	0	4.0	0	4.0	0	
WGBP-TV D17 DD LIC	182.9	4,900	182.9	4,900	87.5	1,682	
WKSQ-TV D17 DT LIC	52.2	218	8.0	0	8.0	0	
WRAL-TV D17 DT LIC	60.4	2,774	24.2	1,043	24.2	1,043	
WTAT-TV D17 DT LIC	11.9	151	8.0	107	8.0	107	
WVVA D17 DT LIC	213.3	10,272	136.9	7,151	136.9	7,151	
WCCB D18 DT LIC	48.4	2,500	36.3	1,825	36.3	1,825	
WPXK-TV D18 DT LIC	28.2	24	8.0	22	8.0	22	

Interference to BLANK0000190316 LIC scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000190316	
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	318.9 km
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	203.9
	WAPK-CD	D16	DC	LIC	BRISTOL VA/KINGSPORT, TN	BLANK0000070481	147.3
	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	354.3
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	354.3
	WKSQ-TV	D17	DT	LIC	SOMERSET, KY	BLANK0000087465	292.7
	WRAL-TV	D17	DT	LIC	RALEIGH, NC	BLANK0000143682	380.2
	WTAT-TV	D17	DT	LIC	CHARLESTON, SC	BLANK0000184941	371.1
	WVVA	D17	DT	CP	BLUEFIELD, WV	BLANK0000127491	266.9
	WCCB	D18	DT	LIC	CHARLOTTE, NC	BLANK0000097908	177.1
	WPXK-TV	D18	DT	LIC	JELLICO, TN	BLANK0000081463	145.9
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
42319.4	2,549,610	34950.7	2,270,868	34425.8	2,250,412	34413.9	2,250,319
Undesired	Total IX		Unique IX, before		Unique IX, after		
WGBP DTS2 D17 DT STA	107.3	3,311			11.9	93	
WPXA-TV D16 DT LIC	4.0	752	4.0	752	4.0	752	
WAPK-CD D16 DC LIC	20.0	867	0.0	0	0.0	0	
WAAY-TV D17 DT LIC	12.0	0	4.0	0	4.0	0	
WGBP-TV D17 DD LIC	182.9	4,900	182.9	4,900	87.5	1,682	
WKSQ-TV D17 DT LIC	52.2	218	8.0	0	8.0	0	
WRAL-TV D17 DT LIC	60.4	2,774	24.2	1,043	24.2	1,043	
WTAT-TV D17 DT LIC	11.9	151	8.0	107	8.0	107	
WVVA D17 DT CP	233.4	11,713	153.1	8,495	153.1	8,495	
WCCB D18 DT LIC	48.4	2,500	32.3	1,728	32.3	1,728	
WPXK-TV D18 DT LIC	28.2	24	8.0	22	8.0	22	

Interference to BLANK0000081094 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	111.4 km
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	149.8
	WZDX	D18	DT	LIC	HUNTSVILLE, AL	BLANK0000108705	226.4
	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	244.5
	WCCB	D18	DT	LIC	CHARLOTTE, NC	BLANK0000097908	367.8
	WPXK-TV	D18	DT	LIC	JELLICO, TN	BLANK0000081463	247.0
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
33723.7	6,029,495	32261.8	5,965,975	30170.7	5,876,794	30154.8	5,876,599
Undesired	Total IX		Unique IX, before		Unique IX, after		
WGBP DTS2 D17 DT STA	688.0	25,508			15.9	195	
WGBP-TV D17 DD LIC	1095.9	33,340	1039.9	31,548	419.9	8,060	
WZDX D18 DT LIC	739.7	34,576	479.9	21,645	479.9	21,645	
WBMM D18 DT LIC	132.3	3,690	24.1	335	20.1	278	
WCCB D18 DT LIC	107.9	4,092	79.9	2,955	79.9	2,955	
WPXK-TV D18 DT LIC	351.1	28,632	175.4	18,416	175.4	18,416	

Interference to BLANK0000163851 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WPGA-LD	D18-	LD	LIC	MACON, GA	BLANK0000163851	
Undesireds:	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	107.5 km
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	117.2
	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	138.1
	W19DW-D	D19	LD	LIC	COLUMBUS, GA	BLANK0000158115	139.7
Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX
7207.9	430,809	7115.7	425,421	6136.7	409,308	6136.7	409,308
Undesired	Total IX		Unique IX, before		Unique IX, after		

WGBP DTS2 D17 DT STA	4.0	65			0.0	0
WGBP-TV D17 DD LIC	4.0	65	0.0	0	0.0	0
WUVG-DT D18 DT LIC	979.0	16,113	975.0	16,048	975.0	16,048

Interference to proposal scenario 1
85.14% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WGBP DTS2	D17	DT	STA	WARM SPRINGS, GA	WGBP DTS2 STA	
Undesireds:	WDMA-CD	D16	DC	LIC	MACON, GA	BLANK0000074865	96.2 km
	WPXA-TV	D16	DT	LIC	ROME, GA	BLANK0000081827	162.5
	WAAY-TV	D17	DT	LIC	HUNTSVILLE, AL	BLANK0000163425	269.3
	WGBP-TV	D17	DD	LIC	OPELIKA, AL	BLANK0000129713	38.6
	WJMY-CD	D17	DC	LIC	TUSCALOOSA, AL	BLANK0000086812	262.9
	WHNS	D17	DT	LIC	GREENVILLE, SC	BLANK0000190316	318.9
	WBMM	D18	DT	LIC	TUSKEGEE, AL	BLANK0000081490	145.5
	WUVG-DT	D18	DT	LIC	ATHENS, GA	BLANK0000081094	111.4

Service area	Terrain-limited	IX-free	Percent IX
23297.7 1,729,816	23169.7 1,722,158	3117.3 255,923	86.55 85.14

Undesired		Total IX	Unique IX	Prcnt Unique IX
WDMA-CD D16 DC LIC	68.1	23,980	0.0	0.00 0.00
WPXA-TV D16 DT LIC	32.2	9,537	0.0	0.00 0.00
WAAY-TV D17 DT LIC	171.9	19,906	0.0	0.00 0.00
WGBP-TV D17 DD LIC	20052.4	1,466,235	19075.4	82.33 68.34
WHNS D17 DT LIC	139.9	24,311	0.0	0.00 0.00
WUVG-DT D18 DT LIC	709.2	253,417	0.0	0.00 0.00