

ENGINEERING EXHIBIT

Application for Minor Modification of Digital Low Power Television Station Construction Permit

prepared for

Gray Television Licensee, LLC

W31FB-D Eastabuchie, MS

Facility ID 186343

Ch. 31 4.1 kW Nondirectional

Gray Television Licensee, LLC (“Gray”) is the licensee of digital Low Power Television station W31FB-D, Channel 31, Eastabuchie MS, Facility ID 186343. W31FB-D, presently silent, is licensed to operate (file# 0000158644) with 4 kW effective radiated power (“ERP”), directional. A Construction Permit (“CP” file# 0000158644) authorizes W31FB-D to relocate to a different site and operate at 4.5 kW ERP nondirectional at increased antenna height. *Gray* herein seeks a modification of the CP to specify slightly increased antenna height (by 13.7 meters) and decreased nondirectional ERP at the currently authorized site.

As with the current authorization, the proposed facility will employ a new side-mounted antenna on the existing tower structure associated with FCC Antenna Structure Registration number 1059778, located 7.5 km (4.7 miles) from the W31FB-D licensed site. No change to the overall structure height is proposed. The antenna supporting structure is owned by *Gray* and is utilized by *Gray*’s full-service television station WALA-TV (Facility ID 4143, Mobile AL).

The proposed antenna is a Dielectric model DLP-8B having horizontal polarization. The proposed ERP is 4.1 kW 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 and authorized facilities, demonstrating compliance with §73.3572 for a minor change. As shown on Figure 1, the proposed 51 dB μ contour expands just slightly beyond that of the current CP.

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 Class A stations. 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 25 percent antenna relative field in downward elevations (pattern data shows 25 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 $0.09 \mu\text{W}/\text{cm}^2$, which is 0.02 percent of the general population / uncontrolled maximum permissible 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.

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 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.

Engineering Exhibit
Gray Television Licensee, LLC (WMBP-LD)
(page 3 of 3)

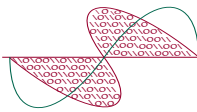


List of Attachments

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 2, 2022	
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
WMBP-LD Eastabuchie, MS
Facility ID 186343
Ch. 31 4.1 kW Nondirectional

prepared for
Gray Television Licensee, LLC

September, 2022

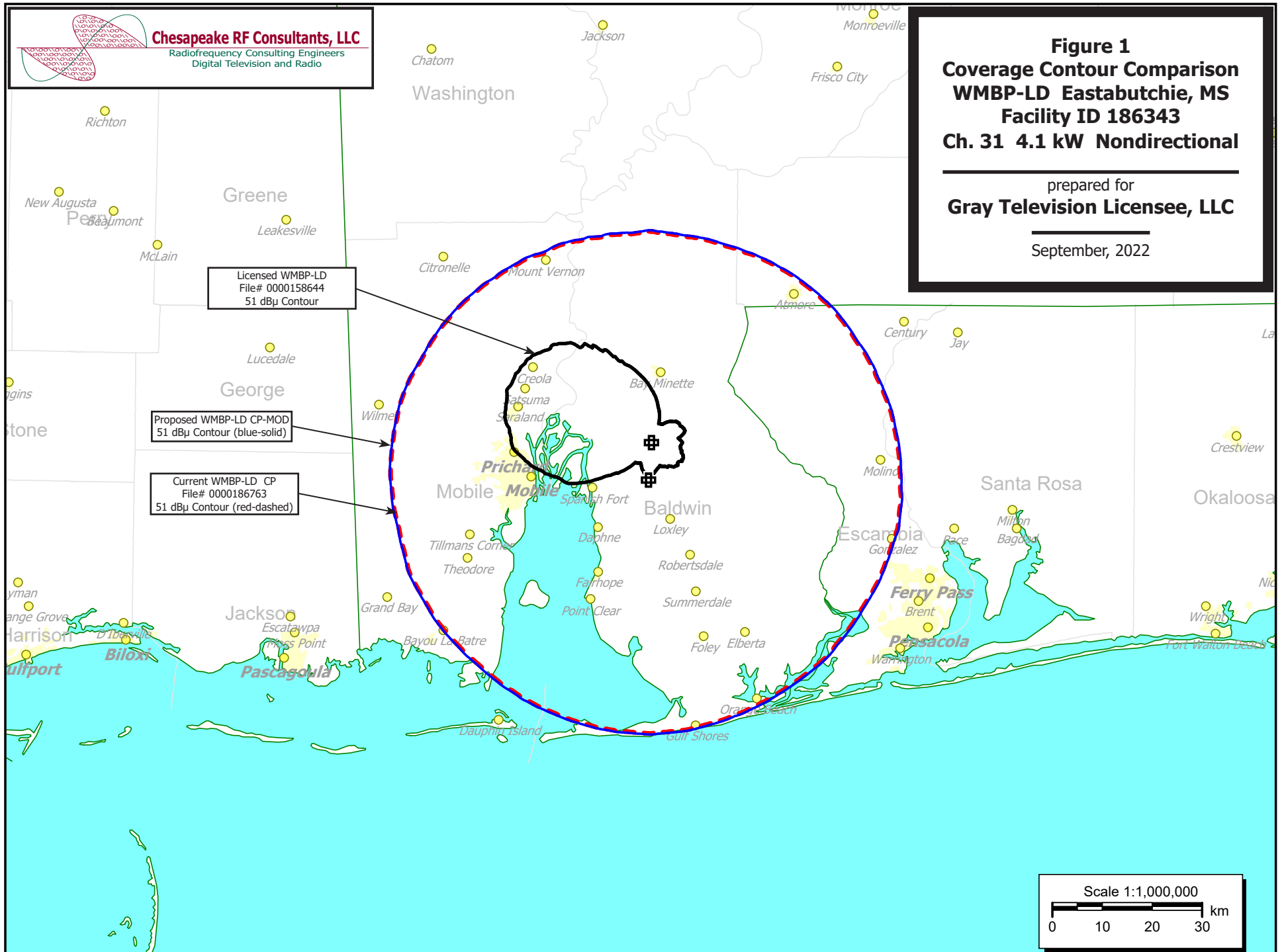


Table 1 WMBP-LD TVStudy Analysis of Proposal (page 1 of 5)



tvstudy v2.2.5 (4uoc83)
Database: localhost, Study: WMBP-LD 1059778 1045ft prop, Model: Longley-Rice
Start: 2022.09.02 15:49:18

Study created: 2022.09.02 15:49:18

Study build station data: LMS TV 2022-09-02

Proposal: WMBP-LD D31 LD APP EASTABUTCHIE, MS
File number: WMBP-LD 1059778 1045ft prop
Facility ID: 186343
Station data: User record
Record ID: 4633
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	WWBH-LD	N27	TX	LIC	MOBILE, AL	BLTTL19931029II	26.1 km
No	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	252.2
Yes	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	9.5
No	DW45DJ-D	D30	LD	APP	PANAMA CITY, FL	BLANK0000123144	200.6
No	W30EZ-D	D30	LD	LIC	PURVIS, MS	BLANK0000157972	157.9
No	W30EZ-D	D30	LD	CP	PURVIS, MS	BLANK0000195993	169.3
No	W30EZ-D	D30	LD	LIC	PURVIS, MS	BLANK0000197965	169.3
No	WAXC-LD	D31	LD	LIC	ALEXANDER CITY, AL	BLDTL20110329ABN	306.1
No	WSFG-LD	D31	LD	LIC	BERRY, AL	BLANK0000176885	334.2
Yes	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	189.1
No	W31EP-D	D31	LD	LIC	PANAMA CITY, FL	BLANK0000178762	201.7
No	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000152274	475.3
No	W31EU-D	D31	LD	LIC	COLUMBUS, GA	BLANK0000177389	324.5
No	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	426.0
No	WSWG	D31	DT	APP	VALDOSTA, GA	BLANK0000149841	426.0
No	KLAX-TV	D31	DT	LIC	ALEXANDRIA, LA	BLCDT20090622AGN	462.5
No	W31EL-D	D31	LD	LIC	BATON ROUGE, LA	BLANK0000157740	317.6
No	KNOV-CD	D31	DC	LIC	NEW ORLEANS, LA	BLANK0000087428	232.8
Yes	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	201.0
Yes	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	201.0
Yes	WGUD-LD	D31	LD	LIC	PASCAGOULA, MS	BLANK0000190566	76.8
No	WAAO-LD	D32	LD	LIC	ANDALUSIA, AL	BLANK0000155416	146.1
Yes	WLOX	D32	DT	LIC	BILOXI, MS	BLANK0000059502	123.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D31
Mask: Full Service
Latitude: 30 41 17.00 N (NAD83)
Longitude: 87 47 54.00 W
Height AMSL: 379.5 m
HAAT: 0.0 m
Peak ERP: 4.10 kW
Antenna: Omnidirectional
Elev Pattn: Generic
Elec Tilt: 1.00

50.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	4.10 kW	328.8 m	50.7 km
45.0	4.10	336.9	51.1
90.0	4.10	339.2	51.3
135.0	4.10	333.9	51.0
180.0	4.10	344.4	51.5
225.0	4.10	337.3	51.2

Table 1 WMBP-LD TV Study Analysis of Proposal
(page 2 of 5)



270.0 4.10 361.4 52.3
315.0 4.10 356.2 52.1

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 342 m

Distance to Canadian border: 1304.2 km

Distance to Mexican border: 1034.6 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 38.5 degrees Distance: 456.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 308.4 degrees Distance: 1889.6 km

Study cell size: 1.00 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 BLANK0000111746 LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	9.5 km
	WFBD	D29	DT	LIC	DESTIN, FL	BLANK0000131443	118.0
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLANK0000198139	330.2
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	261.7
	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	292.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
19085.7	1,053,327	18955.5	1,052,336	18737.6	1,046,854	18736.6 1,046,854	0.01 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WMBP-LD	D31 LD APP	1.0	0			1.0 0	
WFBD	D29 DT LIC	117.1	4,621	113.0	4,608	113.0 4,608	
WIAT	D30 DT LIC	5.1	109	0.0	0	0.0 0	
WGIQ	D30 DT LIC	4.0	13	0.0	0	0.0 0	
WLBT	D30 DT LIC	100.8	861	95.7	752	95.7 752	

Interference to BLANK0000111746 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	9.5 km
	WFBD	D29	DD	APP	DESTIN, FL	BLANK0000182313	81.3
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLANK0000198139	330.2
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	261.7
	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	292.6
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
19085.7	1,053,327	18955.5	1,052,336	18737.6	1,046,854	18736.6 1,046,854	0.01 0.00
Undesired		Total IX		Unique IX, before		Unique IX, after	
WMBP-LD	D31 LD APP	1.0	0			1.0 0	
WFBD	D29 DD APP	117.1	4,621	113.0	4,608	113.0 4,608	
WIAT	D30 DT LIC	5.1	109	0.0	0	0.0 0	
WGIQ	D30 DT LIC	4.0	13	0.0	0	0.0 0	
WLBT	D30 DT LIC	100.8	861	95.7	752	95.7 752	

Interference to BLANK0000001319 LIC scenario 1

Table 1 WMBP-LD TV Study Analysis of Proposal
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	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	189.1 km
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLANK0000198139	148.3
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	135.6
	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000152274	292.7
	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	340.6
	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	181.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32057.6 668,055		31706.4 662,566		30318.9 643,152		30313.9 643,152	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WMBP-LD D31 LD APP	17.2 1,195	5.1 0	
WIAT D30 DT LIC	217.4 7,653	157.5 5,590	157.5 5,590
WGIQ D30 DT LIC	86.9 501	46.5 380	46.5 380
WPCH-TV D31 DT LIC	291.4 4,384	177.2 2,122	177.2 2,122
WSWG D31 DT LIC	1.0 24	0.0 0	0.0 0
WGBC D31 DT CP	962.2 10,418	862.9 8,951	850.7 7,756

Interference to BLANK0000001319 LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	189.1 km
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLANK0000198139	148.3
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	135.6
	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000152274	292.7
	WSWG	D31	DT	LIC	VALDOSTA, GA	BLANK0000063722	340.6
	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	181.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32057.6 668,055		31706.4 662,566		30409.6 644,966		30402.5 644,353	0.02 0.10

Undesired	Total IX	Unique IX, before	Unique IX, after
WMBP-LD D31 LD APP	17.2 1,195	7.1 613	
WIAT D30 DT LIC	217.4 7,653	158.5 5,590	158.5 5,590
WGIQ D30 DT LIC	86.9 501	47.5 380	47.5 380
WPCH-TV D31 DT LIC	291.4 4,384	178.2 2,122	178.2 2,122
WSWG D31 DT LIC	1.0 24	0.0 0	0.0 0
WGBC D31 DT LIC	866.4 8,602	772.2 7,137	762.0 6,555

Interference to BLANK0000001319 LIC scenario 3

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	189.1 km
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLANK0000198139	148.3
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	135.6
	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000152274	292.7
	WSWG	D31	DT	APP	VALDOSTA, GA	BLANK0000149841	340.6
	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	181.0
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32057.6 668,055		31706.4 662,566		30318.9 643,152		30313.9 643,152	0.02 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WMBP-LD D31 LD APP	17.2 1,195	5.1 0	
WIAT D30 DT LIC	217.4 7,653	157.5 5,590	157.5 5,590
WGIQ D30 DT LIC	86.9 501	46.5 380	46.5 380
WPCH-TV D31 DT LIC	291.4 4,384	177.2 2,122	177.2 2,122
WSWG D31 DT APP	1.0 24	0.0 0	0.0 0
WGBC D31 DT CP	962.2 10,418	862.9 8,951	850.7 7,756

Interference to BLANK0000001319 LIC scenario 4

Call	Chan	Svc	Status	City, State	File Number	Distance
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Table 1 WMBP-LD TVStudy Analysis of Proposal
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Desired:	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319			
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	189.1	km	
	WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLANK0000198139	148.3		
	WGIQ	D30	DT	LIC	LOUISVILLE, AL	BLANK0000067031	135.6		
	WPCH-TV	D31	DT	LIC	ATLANTA, GA	BLANK0000152274	292.7		
	WSWG	D31	DT	APP	VALDOSTA, GA	BLANK0000149841	340.6		
	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	181.0		
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	Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
	32057.6	668,055	31706.4	662,566	30409.6	644,966	30402.5	644,353	0.02 0.10
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Undesired			Total IX		Unique IX, before		Unique IX, after		
WMBP-LD D31 LD APP		17.2		1,195			7.1	613	
WIAT D30 DT LIC		217.4		7,653	158.5	5,590	158.5	5,590	
WGIQ D30 DT LIC		86.9		501	47.5	380	47.5	380	
WPCH-TV D31 DT LIC		291.4		4,384	178.2	2,122	178.2	2,122	
WSWG D31 DT APP		1.0		24	0.0	0	0.0	0	
WGBC D31 DT LIC		866.4		8,602	772.2	7,137	762.0	6,555	
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Interference to BLANK0000035926 CP scenario 1									
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926			
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	201.0	km	
	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	159.4		
	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	181.0		
	WLMT	D31	DT	LIC	MEMPHIS, TN	BLCDT20050427ABN	342.7		
<hr/>									
	Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
	18538.9	255,013	18437.4	254,654	17949.6	253,039	17946.6	253,031	0.02 0.00
<hr/>									
Undesired			Total IX		Unique IX, before		Unique IX, after		
WMBP-LD D31 LD APP		11.1		8			3.0	8	
WLBT D30 DT LIC		21.1		285	15.1	215	15.1	215	
WNCF D31 DT LIC		468.7		1,393	443.7	1,293	435.6	1,293	
WLMT D31 DT LIC		23.0		37	4.0	7	4.0	7	
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Interference to BLCDT20071024AAK LIC scenario 1									
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK			
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	201.0	km	
	WLBT	D30	DT	LIC	JACKSON, MS	BLCDT20100119AEE	159.4		
	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	181.0		
	WLMT	D31	DT	LIC	MEMPHIS, TN	BLCDT20050427ABN	342.7		
<hr/>									
	Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
	18014.5	249,231	17922.0	248,962	17429.2	246,853	17428.2	246,853	0.01 0.00
<hr/>									
Undesired			Total IX		Unique IX, before		Unique IX, after		
WMBP-LD D31 LD APP		6.1		0			1.0	0	
WLBT D30 DT LIC		11.1		203	7.0	137	7.0	137	
WNCF D31 DT LIC		483.8		1,850	455.8	1,753	450.7	1,753	
WLMT D31 DT LIC		26.0		153	2.0	122	2.0	122	
<hr/>									
Interference to BLANK0000190566 LIC scenario 1									
Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance		
	WGUD-LD	D31	LD	LIC	PASCAGOULA, MS	BLANK0000190566			
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	76.8	km	
	W30EZ-D	D30	LD	LIC	PURVIS, MS	BLANK0000157972	109.9		
	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	209.3		
<hr/>									
	Service area	Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
	1227.7	95,121	1227.7	95,121	1227.7	95,121	1205.7	93,855	1.79 1.33

Table 1 WMBP-LD TV Study Analysis of Proposal
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Undesired	Total IX	Unique IX, before	Unique IX, after
WMBP-LD D31 LD APP 22.0	1,266		22.0 1,266

Interference to BLANK0000059502 LIC scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WLOX	D32	DT	LIC	BILOXI, MS	BLANK0000059502	
Undesireds:	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	123.6 km
	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	182.3
	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	324.6
	WPXL-TV	D33	DT	LIC	NEW ORLEANS, LA	BLANK0000105390	116.4
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
29860.4 1,176,288		29803.7 1,161,352		29763.6 1,160,425		29755.5 1,155,692	0.03 0.41

Undesired	Total IX	Unique IX, before	Unique IX, after
WMBP-LD D31 LD APP 8.1	4,733		8.1 4,733
WABG-TV D32 DT LIC 2.0	56	2.0 56	2.0 56
WPXL-TV D33 DT LIC 38.1	871	38.1 871	38.1 871

Interference to proposal scenario 1

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	
Undesireds:	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	9.5 km
	WGBC	D31	DT	CP	MERIDIAN, MS	BLANK0000035926	201.0
	WGUD-LD	D31	LD	LIC	PASCAGOULA, MS	BLANK0000190566	76.8

Service area	Terrain-limited	IX-free	Percent IX
8254.6 611,266	8228.2 610,924	8204.0 608,363	0.29 0.42

Undesired	Total IX	Unique IX	Prcnt Unique IX
WEIQ D30 DT LIC 21.2	2,555	18.1 2,498	0.22 0.41
WGBC D31 DT CP 2.0	6	1.0 6	0.01 0.00
WGUD-LD D31 LD LIC 4.0	57	2.0 0	0.02 0.00

Interference to proposal scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMBP-LD	D31	LD	APP	EASTABUTCHIE, MS	WMBP-LD 1059778 1045ft	
Undesireds:	WEIQ	D30	DT	LIC	MOBILE, AL	BLANK0000111746	9.5 km
	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	201.0
	WGUD-LD	D31	LD	LIC	PASCAGOULA, MS	BLANK0000190566	76.8

Service area	Terrain-limited	IX-free	Percent IX
8254.6 611,266	8228.2 610,924	8204.0 608,363	0.29 0.42

Undesired	Total IX	Unique IX	Prcnt Unique IX
WEIQ D30 DT LIC 21.2	2,555	19.2 2,498	0.23 0.41
WGBC D31 DT LIC 1.0	6	1.0 6	0.01 0.00
WGUD-LD D31 LD LIC 4.0	57	2.0 0	0.02 0.00

**Channel and
Facility
Information**

Section	Question	Response
Facility ID	186343	
State	Mississippi	
City	Eastabutchie	
LPD Channel	31	

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	Yes
	ASR Number	1059778
Coordinates (NAD83)	Latitude	30° 41' 17.0" N+
	Longitude	087° 47' 54.0" W-
	Structure Type	TOWER-A free standing or guyed struct
	Overall Structure Height	365.8 meters
	Support Structure Height	342.6 meters
	Ground Elevation (AMSL)	61.0 meters
Antenna Data	Height of Radiation Center Above Ground Level	318.5 meters
	Height of Radiation Center Above Mean Sea Level	379.5 meters
	Effective Radiated Power	4.1 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	DLP-8B_
	Rotation	
	Electrical Beam Tilt	1.0
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
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