



Kessler and Gehman Associates
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tvstudy v2.2.2

Database: localhost, Study: **WGMB-D24 665 kW (1% Expansion)**, Model: Longley-Rice
Start: 2017.06.14 14:35:28

Study created: 2017.06.14 14:35:21

Study build station data: LMS TV 2017-06-13 (9)

Proposal: **WGMB-TV D24 DT BL BATON ROUGE, LA**
File number: DTVBL12520
Facility ID: 12520
Station data: User record
Record ID: 359
Country: U.S.
Zone: III

Non-U.S. records included

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
KLPB-TV	D23	DT	LIC	LAFAYETTE, LA	BLEDT20130820AAH	96.6 km
WLAE-TV	D23	DT	BL	NEW ORLEANS, LA	DTVBL18819	132.9
WWJX	D23	DT	LIC	JACKSON, MS	BLCDT20110824ABD	211.7
WSRE	D24	DT	BL	PENSACOLA, FL	DTVBL17611	352.9
KFAM-CD	D24	DC	BL	LAKE CHARLES, LA	DTVBL59500	195.7
WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	331.2
KETH-TV	D24	DT	LIC	HOUSTON, TX	BLEDT20101019ABX	416.3
WLPB-TV	D25	DT	LIC	BATON ROUGE, LA	BLEDT20101201ALR	8.6
WXXV-TV	D25	DT	BL	GULFPORT, MS	DTVBL53517	217.4

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24

Latitude: 30 19 35.00 N (NAD83)
Longitude: 91 16 36.00 W

Height AMSL: 426.7 m

HAAT: 422.6 m

Peak ERP: 665 kW

Antenna: TFU30JSC/VP-R C200 0.0 deg

39.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	503 kW	422.7 m	104.2 km
45.0	658	419.3	106.6
90.0	551	419.9	104.8
135.0	374	421.3	101.2
180.0	81.5	423.7	89.2
225.0	112	425.2	91.5
270.0	52.1	424.6	86.2
315.0	321	424.3	100.1

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1477.4 km

Distance to Mexican border: 734.8 km

Conditions at FCC monitoring station: Kingsville TX

Bearing: 245.1 degrees Distance: 718.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 314.5 degrees Distance: 1666.2 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 BLEDT20130820AAH LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	KLPB-TV	D23	DT	LIC	LAFAYETTE, LA	BLEDT20130820AAH	
Undesireds:	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	96.5 km
	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	96.6
	KWBJ-CD	D22	DC	LIC	MORGAN CITY, LA	BLDTA20090512AAZ	123.4
	KDCG-CD	D22	DC	LIC	OPELOUSAS, LA	BLDTA20140813AAQ	30.8
	WLAE-TV	D23	DT	BL	NEW ORLEANS, LA	DTVBL18819	227.1
	KSLA	D23	DT	BL	SHREVEPORT, LA	DTVBL70482	304.7
	WWJX	D23	DT	LIC	JACKSON, MS	BLCDDT20110824ABD	266.8
	KLTJ	D23	DT	LIC	GALVESTON, TX	BLEDT20110127ACD	321.8
	KFAM-CD	D24	DC	BL	LAKE CHARLES, LA	DTVBL59500	99.3

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
24881.7 749,053	24881.7 749,053	24729.3 745,254	24705.2 745,241	0.10 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WGMB-TV D24 DT BL 52.1	345	52.1 345	
WGMB-TV D24 DT BL 76.1	358		76.1 358
KDCG-CD D22 DC LIC 8.0	0	8.0 0	8.0 0
KFAM-CD D24 DC BL 92.3	3,454	92.3 3,454	92.3 3,454

Interference to DTVBL18819 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL18819 BL, scenario 2
Proposal causes no interference.

Interference to BLCDDT20110824ABD LIC, scenario 1
Proposal causes no interference.

Interference to BLCDDT20110824ABD LIC, scenario 2
Proposal causes no interference.

Interference to DTVBL17611 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSRE	D24	DT	BL	PENSACOLA, FL	DTVBL17611	
Undesireds:	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	352.9 km
	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	352.9
	WDPM-DT	D23	DT	LIC	MOBILE, AL	BLCDT20090420AAD	0.0
	WBXA-CD	D24	DC	LIC	BIRMINGHAM, AL	BLANK0000001638	328.1
	WTLF	D24	DT	LIC	TALLAHASSEE, FL	BLCDT20030303ABF	305.6
	WXTX	D24	DT	CP	COLUMBUS, GA	BLANK0000024780	330.3
	W39CA-D	D24	DC	BL	FULTON, MS	DTVBL68910	388.0
	WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	216.7
	WAKA	D25	DT	BL	SELMA, AL	DTVBL701	188.2
	WAWD	D25	DT	BL	FORT WALTON BEACH, FL	DTVBL54938	73.1
	WXXV-TV	D25	DT	BL	GULFPORT, MS	DTVBL53517	139.5

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
33716.0 1,355,168	33636.5 1,354,781	32956.3 1,351,115	32956.3 1,351,115	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WGMB-TV D24 DT BL 4.0	14	0.0 0	
WGMB-TV D24 DT BL 4.0	14		0.0 0
WDPM-DT D23 DT LIC 8.0	96	8.0 96	8.0 96
WXTX D24 DT CP 19.8	95	4.0 47	4.0 47
WMDN D24 DT LIC 568.4	2,693	548.5 2,631	548.5 2,631
WAWD D25 DT BL 20.0	0	20.0 0	20.0 0
WXXV-TV D25 DT BL 79.9	830	79.9 830	79.9 830

Interference to DTVBL17611 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSRE	D24	DT	BL	PENSACOLA, FL	DTVBL17611	
Undesireds:	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	352.9 km
	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	352.9
	WDPM-DT	D23	DT	LIC	MOBILE, AL	BLCDT20090420AAD	0.0
	WBXA-CD	D24	DC	LIC	BIRMINGHAM, AL	BLANK0000001638	328.1

WTLF	D24	DT	LIC	TALLAHASSEE, FL	BLCDT20030303ABF	305.6
WXTX	D24	DT	BL	COLUMBUS, GA	DTVBL12472	330.3
W39CA-D	D24	DC	BL	FULTON, MS	DTVBL68910	388.0
WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	216.7
WAKA	D25	DT	BL	SELMA, AL	DTVBL701	188.2
WAWD	D25	DT	BL	FORT WALTON BEACH, FL	DTVBL54938	73.1
WXXV-TV	D25	DT	BL	GULFPORT, MS	DTVBL53517	139.5

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
33716.0	1,355,168	33636.5	1,354,781	32956.3	1,351,115	32956.3	1,351,115	0.00	0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
WGMB-TV D24 DT BL	4.0	14	0.0
WGMB-TV D24 DT BL	4.0	14	0.0
WDPM-DT D23 DT LIC	8.0	96	8.0
WXTX D24 DT BL	31.8	95	4.0
WMDN D24 DT LIC	568.4	2,693	536.6
WAWD D25 DT BL	20.0	0	20.0
WXXV-TV D25 DT BL	79.9	830	79.9

Interference to DTVBL59500 BL, scenario 1
Proposal causes no interference.

Interference to BLCDT20090304ADW LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	
Undesireds:	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	331.2 km
	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	331.2
	WVUA-CD	D23	DC	LIC	TUSCALOOSA/NORTHPORT, AL	BLANK0000001646	143.7
	WWJX	D23	DT	LIC	JACKSON, MS	BLCDT20110824ABD	158.0
	WBXA-CD	D24	DC	LIC	BIRMINGHAM, AL	BLANK0000001638	217.9
	WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000004828	334.4
	WSRE	D24	DT	BL	PENSACOLA, FL	DTVBL17611	216.7
	WXTX	D24	DT	CP	COLUMBUS, GA	BLANK0000024780	358.2
	W39CA-D	D24	DC	BL	FULTON, MS	DTVBL68910	196.5
	WXXV-TV	D25	DT	BL	GULFPORT, MS	DTVBL53517	179.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20490.7 278,227	20414.2 278,018	20277.3 277,339	20277.3 277,339	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
WGMB-TV D24 DT BL	12.1 69	12.1 69		
WGMB-TV D24 DT BL	12.1 69		12.1 69	
WHIQ D24 DT LIC	16.0 30	8.0 30	8.0 30	
WSRE D24 DT BL	108.7 555	104.7 555	104.7 555	
W39CA-D D24 DC BL	12.0 25	4.0 25	4.0 25	

Interference to BLCDT20090304ADW LIC, scenario 2

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	
Undesireds:	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	331.2 km
	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	331.2
	WVUA-CD	D23	DC	LIC	TUSCALOOSA/NORTHPORT, AL	BLANK0000001646	143.7
	WWJX	D23	DT	LIC	JACKSON, MS	BLCDT20110824ABD	158.0
	WBXA-CD	D24	DC	LIC	BIRMINGHAM, AL	BLANK0000001638	217.9
	WHIQ	D24	DT	LIC	HUNTSVILLE, AL	BLANK0000004828	334.4
	WSRE	D24	DT	BL	PENSACOLA, FL	DTVBL17611	216.7
	WXTX	D24	DT	BL	COLUMBUS, GA	DTVBL12472	358.2
	W39CA-D	D24	DC	BL	FULTON, MS	DTVBL68910	196.5
	WXXV-TV	D25	DT	BL	GULFPORT, MS	DTVBL53517	179.1

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
20490.7 278,227	20414.2 278,018	20277.3 277,339	20277.3 277,339	0.00 0.00
Undesired	Total IX	Unique IX, before	Unique IX, after	
WGMB-TV D24 DT BL	12.1 69	12.1 69		
WGMB-TV D24 DT BL	12.1 69		12.1 69	
WHIQ D24 DT LIC	16.0 30	8.0 30	8.0 30	
WSRE D24 DT BL	108.7 555	104.7 555	104.7 555	
W39CA-D D24 DC BL	12.0 25	4.0 25	4.0 25	

Interference to BLEDT20101019ABX LIC, scenario 1

Proposal causes no interference.

Interference to BLEDT20101201ALR LIC, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WLPB-TV	D25	DT	LIC	BATON ROUGE, LA	BLEDT20101201ALR	
Undesireds:	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	8.6 km
	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	8.6
	WMAO-TV	D25	DT	LIC	GREENWOOD, MS	BLEDT20090612AAI	339.6
	WXXV-TV	D25	DT	BL	GULFPORT, MS	DTVBL53517	209.6
	KBCA	D26	DT	BL	ALEXANDRIA, LA	DTVBL16940	148.1
	WGNO	D26	DT	LIC	NEW ORLEANS, LA	BLCDT20121019AAK	128.7
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
21734.8	1,219,624	21659.2	1,219,407	21270.5	1,211,599	21250.5 1,207,858	0.09 0.31
Undesired		Total IX		Unique IX, before		Unique IX, after	
WGMB-TV D24 DT BL	127.7	1,083	123.6	1,083			
WGMB-TV D24 DT BL	147.7	4,824			143.6	4,824	
WMAO-TV D25 DT LIC	27.8	26	27.8	26	27.8	26	
WXXV-TV D25 DT BL	8.0	0	8.0	0	8.0	0	
WGNO D26 DT LIC	229.2	6,699	225.2	6,699	225.2	6,699	

Interference to DTVBL53517 BL, scenario 1
Proposal causes no interference.

Interference to proposal, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WGMB-TV	D24	DT	BL	BATON ROUGE, LA	DTVBL12520	
Undesireds:	KLPB-TV	D23	DT	LIC	LAFAYETTE, LA	BLEDT20130820AAH	96.6 km
	WLAE-TV	D23	DT	BL	NEW ORLEANS, LA	DTVBL18819	132.9
	WSRE	D24	DT	BL	PENSACOLA, FL	DTVBL17611	352.9
	KFAM-CD	D24	DC	BL	LAKE CHARLES, LA	DTVBL59500	195.7
	WMDN	D24	DT	LIC	MERIDIAN, MS	BLCDT20090304ADW	331.2

WLPB-TV D25 DT LIC BATON ROUGE, LA BLEDT20101201ALR

8.6

Service area	Terrain-limited	IX-free	Percent IX
30416.5 1,742,708	30348.9 1,742,600	30317.1 1,742,544	0.10 0.00
Undesired	Total IX	Unique IX	Prcnt Unique IX
KFAM-CD D24 DC BL	4.0 14	4.0 14	0.01 0.00
WMDN D24 DT LIC	23.9 32	23.9 32	0.08 0.00
WLPB-TV D25 DT LIC	4.0 10	4.0 10	0.01 0.00