

tvstudy v2.2.1

Database: localhost, Study: WFSG 110KW, Model: Longley-Rice

Start: 2017.05.05 13:03:22

Study created: 2017.05.05 12:51:20

Study build station data: LMS TV 2017-05-03 (22)

Proposal: WFSG D28 DT BL PANAMA CITY, FL

File number: DTVBL6093

Facility ID: 6093

Station data: User record

Record ID: 208

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
WFNA	D27	DT	BL	GULF SHORES, AL	DTVBL83943	182.9 km
WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	226.6
WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	190.2
WMCF-TV	D28	DT	BL	MONTGOMERY, AL	DTVBL60829	227.8
WMAW-TV	D28	DT	BL	MERIDIAN, MS	DTVBL43169	359.7
WFBD	D29	DT	BL	DESTIN, FL	DTVBL81669	103.4

No AM stations found within 2.0 km

Record parameters as studied:

Channel: D28

Latitude: 30 22 3.00 N (NAD83)

Longitude: 85 55 28.00 W

Height AMSL: 161.0 m

HAAT: 151.7 m

Peak ERP: 110 kW

Antenna: Omnidirectional

40.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	110 kW	154.0 m	68.6 km
45.0	110	146.4	68.0
90.0	110	142.0	67.6
135.0	110	155.5	68.7
180.0	110	154.8	68.7
225.0	110	153.3	68.5
270.0	110	151.6	68.4
315.0	110	156.4	68.8

Proposal service area is within baseline plus 1.0%

Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1290.1 km

Distance to Mexican border: 1182.4 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 15.9 degrees Distance: 404.5 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 307.1 degrees Distance: 2053.3 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 DTVBL83943 BL, scenario 1  
Proposal causes no interference.

Interference to BLEDT20060706ACK LIC, scenario 1  
Proposal causes no interference.

Interference to BLCDT20090217ABY LIC, scenario 1  
Proposal causes no interference.

Interference to DTVBL60829 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMCF-TV	D28	DT	BL	MONTGOMERY, AL	DTVBL60829	
Undesireds:	WFSG	D28	DT	BL	PANAMA CITY, FL	DTVBL6093	227.8 km
	WFSG	D28	DT	BL	PANAMA CITY, FL	DTVBL6093	227.8
	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	9.3
	WELF-TV	D28	DT	BL	DALTON, GA	DTVBL60825	278.4
	WMAW-TV	D28	DT	BL	MERIDIAN, MS	DTVBL43169	273.8
	WBRC	D29	DT	BL	BIRMINGHAM, AL	DTVBL71221	133.0
	WFBD	D29	DT	BL	DESTIN, FL	DTVBL81669	163.9

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
17822.0	593,134	17412.1	590,008	16856.6	582,021	16860.6	582,021	-0.02	0.00
Undesired		Total IX		Unique IX, before		Unique IX, after			
WFSG D28 DT BL		105.3	1,448	52.7	463				
WFSG D28 DT BL		101.2	1,448			48.7	463		
WAIQ D27 DT LIC		181.4	2,881	129.1	1,769	129.1	1,769		
WELF-TV D28 DT BL		40.1	583	12.0	227	12.0	227		
WMAW-TV D28 DT BL		253.6	4,017	148.8	2,470	148.8	2,470		
WBRC D29 DT BL		124.1	1,649	88.1	1,495	88.1	1,495		

Interference to DTVBL60829 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMCF-TV	D28	DT	BL	MONTGOMERY, AL	DTVBL60829	
Undesireds:	WFSG	D28	DT	BL	PANAMA CITY, FL	DTVBL6093	227.8 km
	WFSG	D28	DT	BL	PANAMA CITY, FL	DTVBL6093	227.8
	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	9.3
	WELF-TV	D28	DT	BL	DALTON, GA	DTVBL60825	278.4
	WMAW-TV	D28	DT	BL	MERIDIAN, MS	DTVBL43169	273.8
	WBRC	D29	DT	BL	BIRMINGHAM, AL	DTVBL71221	133.0
	WFBD	D29	DT	BL	DESTIN, FL	DTVBL81669	163.9

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WMAW-TV D28 DT BL	253.6	4,017	148.8	2,470	148.8	2,470
WBRC D29 DT BL	124.1	1,649	88.1	1,495	88.1	1,495

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Interference to DTVBL43169 BL, scenario 1

Proposal causes no interference.

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Interference to DTVBL81669 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFBD	D29	DT	BL	DESTIN, FL	DTVBL81669	
Undesireds:	WFSG	D28	DT	BL	PANAMA CITY, FL	DTVBL6093	103.4 km
	WFSG	D28	DT	BL	PANAMA CITY, FL	DTVBL6093	103.4
	WMCF-TV	D28	DT	BL	MONTGOMERY, AL	DTVBL60829	163.9
	WBRC	D29	DT	BL	BIRMINGHAM, AL	DTVBL71221	276.9
	WYGA-CD	D29	DC	APP	ATLANTA, GA	BLANK0000024452	377.2
	WVUE-DT	D29	DT	LIC	NEW ORLEANS, LA	BLCDT20110502AEC	330.4
	WGIQ	D30	DT	BL	LOUISVILLE, AL	DTVBL710	146.0
	WEIQ	D30	DT	BL	MOBILE, AL	DTVBL721	118.0

Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX	
24822.6	817,961	24671.5	817,319	24152.2	812,724	24152.2	812,982	-0.00	-0.03
Undesired				Total IX		Unique IX, before		Unique IX, after	
WFSG D28 DT BL		192.3	2,474	192.3	2,474				
WFSG D28 DT BL		192.3	2,216			192.3	2,216		
WBRC D29 DT BL		111.5	1,313	99.6	1,269	99.6	1,269		
WVUE-DT D29 DT LIC		55.7	110	23.8	57	23.8	57		
WEIQ D30 DT BL		191.7	751	171.8	742	171.8	742		

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Interference to DTVBL81669 BL, scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WFBD	D29	DT	BL	DESTIN, FL	DTVBL81669	
Undesireds:	WFSG	D28	DT	BL	PANAMA CITY, FL	DTVBL6093	103.4 km
	WFSG	D28	DT	BL	PANAMA CITY, FL	DTVBL6093	103.4
	WMCF-TV	D28	DT	BL	MONTGOMERY, AL	DTVBL60829	163.9
	WBRC	D29	DT	BL	BIRMINGHAM, AL	DTVBL71221	276.9
	WYGA-CD	D29	DC	BL	ATLANTA, GA	DTVBL168094	377.2
	WVUE-DT	D29	DT	LIC	NEW ORLEANS, LA	BLCDT20110502AEC	330.4
	WGIQ	D30	DT	BL	LOUISVILLE, AL	DTVBL710	146.0
	WEIQ	D30	DT	BL	MOBILE, AL	DTVBL721	118.0

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Interference to proposal, scenario 1

0.81% interference

	Call	Chan	Svc	Status	City, State	File Number	Distance
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Undesireds:	WMCF-TV	D28	DT	BL	MONTGOMERY, AL	DTVBL60829	227.8 km
	WMAW-TV	D28	DT	BL	MERIDIAN, MS	DTVBL43169	359.7
	WFBD	D29	DT	BL	DESTIN, FL	DTVBL81669	103.4

Service area		Terrain-limited			IX-free	Percent IX	
14715.4	364,961	14679.4	364,796	14388.0	361,847	1.99	0.81

Undesired		Total IX		Unique IX	Prcnt Unique IX	
WMCF-TV D28 DT BL	151.6	1,633	143.7	1,464	0.98	0.40
WFBD D29 DT BL	147.8	1,485	139.8	1,316	0.95	0.36