

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Soperton13d3kwCL713at180T, Model: Longley-Rice

Start: 2021.05.17 11:25:51

Study created: 2021.05.17 11:25:51

Study build station data: LMS TV 2021-05-16

Proposal: W47EP-D D13 LD APP SOPERTON, GA

Facility ID: 186379

Station data: User record

Record ID: 2170

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WFXL	D12	DT	CP	ALBANY, GA	BLANK0000035660	184.2 km
No	WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	184.2
No	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	121.4
No	W13DT-D	D13	LD	CP	MONTGOMERY, AL	BNPDTL20090825BZO	360.4
No	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	251.4
No	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDT20090220AAF	365.8
No	W45DX-D	D13	LD	CP	ATLANTA, GA	BLANK0000053166	238.1
No	DDWCZC-LD	D13	LD	APP	AUGUSTA, GA	BLANK0000051603	122.7
Yes	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	115.5
No	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	213.8
No	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLCDT20101014ABR	335.8
No	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	357.7
No	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	407.1
No	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	407.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D13
Mask: Stringent
Latitude: 32 25 11.20 N (NAD83)
Longitude: 82 23 27.00 W
Height AMSL: 82.0 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: KAT-CL-713 (ID 1001068) 180.0 deg
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	8.9 m	5.4 km
45.0	0.000	12.6	3.8
90.0	0.000	22.6	3.1
135.0	0.109	5.9	13.7
180.0	3.00	16.8	28.9
225.0	0.109	7.4	13.7
270.0	0.000	3.8	3.1
315.0	0.000	17.4	3.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 12 m

Distance to Canadian border: 1028.9 km

Distance to Mexican border: 1579.6 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 307.1 degrees Distance: 269.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 299.2 degrees Distance: 2209.8 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 BLCDT20090617AAN LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	
Undesireds:	W47EP-D	D13	LD	APP	SOPERTON, GA		115.5 km
	WFXL	D12	DT	CP	ALBANY, GA	BLANK0000035660	160.6
	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	334.7
	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDT20090220AAF	318.3
	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	232.7
	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLCDT20101014ABR	306.1
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	312.8

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
32865.1 1,182,470	31352.0 1,133,594	28899.4 1,020,397	28893.4 1,020,325	0.02 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W47EP-D D13 LD APP 19.1	163	6.0 72	
WFXL D12 DT CP 6.1	89	0.0 0	0.0 0
WTLV D13 DT LIC 313.4	3,626	230.6 2,735	217.5 2,644
WMBB D13 DT LIC 591.6	17,915	496.8 17,496	496.8 17,496
WBFL-CD D13- DC LIC 39.4	643	1.0 35	1.0 35
WLOS D13 DT LIC 1340.9	68,441	1142.6 47,006	1142.6 47,006
WRCB D13 DT CP 491.9	44,949	284.5 23,498	284.5 23,498

Interference to BLCDT20090617AAN LIC scenario 2

Desired:	Call WMAZ-TV	Chan D13	Svc DT	Status LIC	City, State MACON, GA	File Number BLCDT20090617AAN	Distance
Undesireds:	W47EP-D	D13	LD	APP	SOPERTON, GA		115.5 km
	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	334.7
	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDT20090220AAF	318.3
	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	232.7
	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLCDT20101014ABR	306.1
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	312.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32865.1 1,182,470		31352.0 1,133,594		28899.4 1,020,397		28893.4 1,020,325	0.02 0.01

Undesired	Total IX	Unique IX, before	Unique IX, after
W47EP-D D13 LD APP	19.1 163	6.0 72	
WTLV D13 DT LIC	313.4 3,626	230.6 2,735	217.5 2,644
WMBB D13 DT LIC	591.6 17,915	499.8 17,572	499.8 17,572
WBFL-CD D13- DC LIC	39.4 643	1.0 35	1.0 35
WLOS D13 DT LIC	1340.9 68,441	1142.6 47,006	1142.6 47,006
WRCB D13 DT CP	491.9 44,949	284.5 23,498	284.5 23,498

Interference to BLCDT20090617AAN LIC scenario 3

Desired:	Call WMAZ-TV	Chan D13	Svc DT	Status LIC	City, State MACON, GA	File Number BLCDT20090617AAN	Distance
Undesireds:	W47EP-D	D13	LD	APP	SOPERTON, GA		115.5 km
	WFXL	D12	DT	CP	ALBANY, GA	BLANK0000035660	160.6
	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	334.7
	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDT20090220AAF	318.3
	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	232.7
	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLCDT20101014ABR	306.1
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	312.8
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
32865.1 1,182,470		31352.0 1,133,594		28970.0 1,028,427		28964.0 1,028,355	0.02 0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
W47EP-D D13 LD APP	19.1	163			6.0	72
WFXL D12 DT CP	6.1	89	0.0	0	0.0	0
WTLV D13 DT LIC	313.4	3,626	230.6	2,735	217.5	2,644
WMBB D13 DT LIC	591.6	17,915	505.8	17,501	505.8	17,501
WBFL-CD D13- DC LIC	39.4	643	1.0	35	1.0	35
WLOS D13 DT LIC	1340.9	68,441	1190.2	49,947	1190.2	49,947
WRCB D13 DT LIC	364.6	33,973	213.9	15,468	213.9	15,468

Interference to BLCDDT20090617AAN LIC scenario 4

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDDT20090617AAN	
Undesireds:	W47EP-D	D13	LD	APP	SOPERTON, GA		115.5 km
	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDDT20090702AAJ	334.7
	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDDT20090220AAF	318.3
	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	232.7
	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLCDDT20101014ABR	306.1
	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDDT20110729ACZ	312.8

	Service area		Terrain-limited		IX-free, before		IX-free, after		Percent New IX
	32865.1	1,182,470	31352.0	1,133,594	28970.0	1,028,427	28964.0	1,028,355	0.02 0.01

Undesired		Total IX	Unique IX, before		Unique IX, after	
W47EP-D D13 LD APP	19.1	163			6.0	72
WTLV D13 DT LIC	313.4	3,626	230.6	2,735	217.5	2,644
WMBB D13 DT LIC	591.6	17,915	508.8	17,577	508.8	17,577
WBFL-CD D13- DC LIC	39.4	643	1.0	35	1.0	35
WLOS D13 DT LIC	1340.9	68,441	1190.2	49,947	1190.2	49,947
WRCB D13 DT LIC	364.6	33,973	213.9	15,468	213.9	15,468

Interference to proposal scenario 1

**MX: 4.87% interference received

Call	Chan	Svc	Status	City, State	File Number	Distance
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Desired: W47EP-D D13 LD APP SOPERTON, GA

Undesireds:	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	251.4 km
	DDWCZC-LD	D13	LD	APP	AUGUSTA, GA	BLANK00000051603	122.7
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	115.5

Service area		Terrain-limited		IX-free		Percent IX	
536.1	22,031	513.9	20,591	483.7	19,589	5.87	4.87

Undesired	Total IX	Unique IX	Prcnt Unique IX
WTLV D13 DT LIC	1.0 8 0.0	0	0.00 0.00
DDWCZC-LD D13 LD APP	3.0 13 0.0	0	0.00 0.00
WMAZ-TV D13 DT LIC	30.2 1,002 27.2	989	5.29 4.80