

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Baxley13d3kwSAM40T, Model: Longley-Rice

Start: 2021.06.19 16:09:38

Study created: 2021.06.19 16:09:38

Study build station data: LMS TV 2021-06-16

Proposal: W13DU-D D13 LD APP Baxley, GA

Facility ID: 186379

Station data: User record

Record ID: 249

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	162.2 km
No	WFXL	D12	DT	LIC	ALBANY, GA	BLCDT20070725AFF	162.2
No	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLCDT20090227ABQ	186.4
No	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	177.7
No	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLCDT20090220AAF	339.7
No	WEDU	D13	DT	LIC	TAMPA, FL	BLANK0000139567	435.4
No	WEDU	D13	DT	CP	TAMPA, FL	BLANK0000143916	435.4
No	W45DX-D	D13	LD	CP	ATLANTA, GA	BLANK0000053166	300.8
No	DDWCZC-LD	D13	LD	APP	AUGUSTA, GA	BLANK0000051603	187.7
Yes	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	166.5
No	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	160.4
No	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLCDT20101014ABR	409.8
No	WBTW	D13	DT	LIC	FLORENCE, SC	BLCDT20090612AIR	396.1
No	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995	473.7
No	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ	473.7

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: 31 45 53.00 N (NAD83)  
Longitude: 82 13 38.00 W  
Height AMSL: 69.0 m  
HAAT: 0.0 m  
Peak ERP: 3.00 kW  
Antenna: SAM-SAM-160 (ID 1005900) 40.0 deg  
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	1.19 kW	25.3 m	24.2 km
45.0	2.91	21.1	28.8
90.0	0.307	16.5	17.7
135.0	0.003	16.8	5.4
180.0	0.030	17.6	10.0
225.0	0.055	13.5	11.6
270.0	0.024	8.6	9.5
315.0	0.003	14.2	5.4

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m    Computed HAAT: 17 m

Distance to Canadian border: 1101.8 km

Distance to Mexican border: 1566.7 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 315.7 degrees    Distance: 329.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 300.7 degrees    Distance: 2259.6 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%

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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:	W13DU-D	D13	LD	APP	Baxley, GA		166.5 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	28899.4	1,020,397	0.00    0.00

Undesired		Total IX	Unique IX, before	Unique IX, after
W13DU-D D13 LD APP	1.0	0	0.0	0
WFXL D12 DT CP	6.1	89	0.0	0
WTLV D13 DT LIC	313.4	3,626	230.6	2,735
WMBB D13 DT LIC	591.6	17,915	496.8	17,496
WBFL-CD D13- DC LIC	39.4	643	1.0	35
WLOS D13 DT LIC	1340.9	68,441	1142.6	47,006
WRCB D13 DT CP	491.9	44,949	284.5	23,498

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Interference to BLCDT20090617AAN LIC scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	
Undesireds:	W13DU-D	D13	LD	APP	Baxley, GA		166.5 km
	WFXL	D12	DT	CP	ALBANY, GA	BLANK00000035660	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	BLANK00000004604	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	28970.0 1,028,427	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W13DU-D D13 LD APP 1.0	0	0.0 0	0.0 0
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	229.6 2,735
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

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Interference to proposal scenario 1  
5.06% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W13DU-D	D13	LD	APP	Baxley, GA		
Undesireds:	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDT20090702AAJ	177.7 km
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDT20090617AAN	166.5

Service area	Terrain-limited	IX-free	Percent IX
812.6 4,785	808.6 4,741	786.3 4,501	2.75 5.06

Undesired	Total IX	Unique IX	Prcnt Unique IX
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WTLV D13 DT LIC	14.1	213	11.1	137	1.37	2.89
WMAZ-TV D13 DT LIC	11.1	103	8.1	27	1.00	0.57