

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Hinesville13d3kwSAM270T, Model: Longley-Rice

Start: 2021.06.30 16:16:35

Study created: 2021.06.30 16:16:35

Study build station data: LMS TV 2021-06-30

Proposal: W13DU-D D13 LD APP Hinesville, GA

Facility ID: 186379

Station data: User record

Record ID: 412

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	LIC	ALBANY, GA	BLC DT20070725AFF	204.0 km
No	WRDW-TV	D12	DT	LIC	AUGUSTA, GA	BLC DT20090227ABQ	175.6
No	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLC DT20090702AAJ	174.6
No	WMBB	D13	DT	LIC	PANAMA CITY, FL	BLC DT20090220AAF	380.2
No	WEDU	D13	DT	LIC	TAMPA, FL	BLANK0000139567	445.2
No	WEDU	D13	DT	CP	TAMPA, FL	BLANK0000143916	445.2
No	W45DX-D	D13	LD	CP	ATLANTA, GA	BLANK0000053166	324.0
No	DDWCZC-LD	D13	LD	APP	AUGUSTA, GA	BLANK0000051603	176.8
Yes	WMAZ-TV	D13	DT	LIC	MACON, GA	BLC DT20090617AAN	195.3
No	WBFL-CD	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604	194.9
No	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLC DT20101014ABR	409.4
No	WBTW	D13	DT	LIC	FLORENCE, SC	BLC DT20090612AIR	363.6

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D13
Mask: Stringent
Latitude: 31 49 53.00 N (NAD83)
Longitude: 81 47 20.70 W
Height AMSL: 39.4 m
HAAT: 0.0 m
Peak ERP: 3.00 kW
Antenna: SAM-SAM-160 (ID 1005900) 270.0 deg
Elev Pattn: Generic

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.003 kW	13.0 m	5.4 km
45.0	0.027	17.9	9.7
90.0	0.059	14.5	11.8
135.0	0.027	17.8	9.7
180.0	0.003	22.8	5.4
225.0	0.677	22.6	21.4
270.0	3.00	16.6	28.9
315.0	0.677	1.4	21.4

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 16 m

Distance to Canadian border: 1095.6 km

Distance to Mexican border: 1608.1 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 310.3 degrees Distance: 355.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 300.3 degrees Distance: 2291.5 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:	W13DU-D	D13	LD	APP	Hinesville, GA		195.3 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	BLANK00000004604	232.7
	WLOS	D13	DT	LIC	ASHEVILLE, NC	BLCDT20101014ABR	306.1
	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK00000035995	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	28893.3 1,020,337 0.02 0.01
Undesired				Total IX	Unique IX, before		Unique IX, after
W13DU-D D13 LD APP				41.3	1,114	6.0	60
WTLV D13 DT LIC				313.4	3,626	230.6	2,735
WMBB D13 DT LIC				591.6	17,915	499.8	17,572
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

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	Hinesville, GA		195.3 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	1,028,367	0.02	0.01

Undesired	Total IX	Unique IX, before		Unique IX, after	
W13DU-D D13 LD APP	41.3	1,114		6.0	60
WTLV D13 DT LIC	313.4	3,626	230.6	2,735	213.5
WMBB D13 DT LIC	591.6	17,915	508.8	17,577	508.8
WBFL-CD D13- DC LIC	39.4	643	1.0	35	0.0
WLOS D13 DT LIC	1340.9	68,441	1190.2	49,947	1190.2
WRCB D13 DT LIC	364.6	33,973	213.9	15,468	213.9

Interference to proposal scenario 1
7.57% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W13DU-D	D13	LD	APP	Hinesville, GA		
Undesireds:	WTLV	D13	DT	LIC	JACKSONVILLE, FL	BLCDDT20090702AAJ	174.6 km
	WMAZ-TV	D13	DT	LIC	MACON, GA	BLCDDT20090617AAN	195.3

Service area	Terrain-limited	IX-free	Percent IX
815.7	15,738	764.2	4.90
		14,357	7.57

Undesired	Total IX	Unique IX	Prcnt Unique IX
WTLV D13 DT LIC	25.2	718	13.1
WMAZ-TV D13 DT LIC	26.3	639	14.2
		536	1.63
		457	2.94