

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: bluffton27d4kwinceltiat240f, Model: Longley-Rice

Start: 2021.08.31 10:14:12

Study created: 2021.08.31 10:14:12

Study build station data: LMS TV 2021-08-31

Proposal: W27DV-D D27 LD LIC BLUFFTON - HILTON HE, SC

Facility ID: 186373

Station data: User record

Record ID: 967

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	DWLOW-LP	N19-	TX	APP	BEAUFORT, SC	BLTT20000302AAU	58.5 km
No	W45BZ	D26+	LD	CP	JACKSONVILLE, FL	BLANK0000054939	203.2
No	WGXA	D26	DT	LIC	MACON, GA	BLANK0000074961	229.9
No	WNEH	D26	DT	LIC	GREENWOOD, SC	BLANK0000153952	268.3
No	WTGS	D26	DT	LIC	HARDEEVILLE, SC	BLANK0000112289	10.6
No	WGEI-LD	D27	LD	CP	ENTERPRISE, AL	BLANK0000054046	404.5
No	WAIQ	D27	DT	LIC	MONTGOMERY, AL	BLEDT20060706ACK	476.3
No	WOCD-LD	D27	LD	LIC	DUNNELLON, FL	BLANK0000154197	355.0
No	WOCD-LD	D27	LD	APP	DUNNELLON, FL	BLANK0000158154	337.8
No	WOCD-LD	N27-	TX	LIC	DUNNELLON, FL	BLTTTL20090331AEX	358.1
No	WYME-CD	D27	DC	LIC	GAINESVILLE, FL	BLANK0000098965	301.4
No	WWRJ-LD	D27	LD	LIC	JACKSONVILLE, FL	BLANK0000149999	200.6
No	WWRJ-LD	D27	LD	CP	JACKSONVILLE, FL	BLANK0000150180	203.2
No	WWRJ-LD	N27-	TX	LIC	JACKSONVILLE, FL	BLTTTL20140115AAF	200.6
No	WRDQ	D27	DT	LIC	ORLANDO, FL	BLANK0000149085	391.5
No	WTXL-TV	D27	DT	LIC	TALLAHASSEE, FL	BLCDT20090217ABY	303.3
No	WAGA-TV	D27	DT	LIC	ATLANTA, GA	BLANK0000152298	345.7
No	WRDW-TV	D27	DT	CP	AUGUSTA, GA	BLANK0000150357	157.5

No	W27DK-D	D27	LD	CP	COLUMBUS, GA	BNPDTL20090825BYF	335.1
No	WUNW	D27	DD	CP	CANTON, NC	BLANK0000113389	416.5
No	WUNW	D27	DT	LIC	CANTON, NC	BLEDT20110921AAA	416.5
No	WGTV-CD	D27	DC	LIC	CHARLOTTE, NC	BLANK0000120552	364.1
No	WBSE-LD	D27	LD	LIC	CHARLESTON, SC	BLANK0000091083	145.8
No	WPDE-TV	D27	DT	LIC	FLORENCE, SC	BLANK0000120367	309.4
No	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	156.8
No	W28FE-D	D28	LD	CP	LENOX, GA	BLANK0000155607	228.6
No	WJNI-LD	D28	LD	CP	NORTH CHARLESTON, SC	BLANK0000054748	141.7

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D27
Mask: Stringent
Latitude: 32 5 14.10 N (NAD83)
Longitude: 81 14 18.50 W
Height AMSL: 16.9 m
HAAT: 0.0 m
Peak ERP: 4.00 kW
Antenna: ELTI-ELTI UHF Panel (ID 1008435) 240.0 deg
Elev Pattn: Generic

50.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.030 kW	10.5 m	7.4 km
45.0	0.007	11.9	5.2
90.0	0.013	13.0	6.0
135.0	0.009	11.2	5.5
180.0	0.277	14.0	12.8
225.0	3.26	13.6	23.3
270.0	1.96	11.6	21.0
315.0	0.034	7.3	7.6

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 12 m

Distance to Canadian border: 1070.8 km

Distance to Mexican border: 1666.6 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 302.2 degrees Distance: 380.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 299.3 degrees Distance: 2322.4 km

Study cell size: 1.00 km

Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%

Maximum new IX to LPTV: 2.00%

Interference to proposal scenario 1

18.57% interference received

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W27DV-D	D27	LD	LIC	BLUFFTON - HILTON HE, SC		
Undesireds:	WTGS	D26	DT	LIC	HARDEEVILLE, SC	BLANK0000112289	10.6 km
	WWRJ-LD	D27	LD	LIC	JACKSONVILLE, FL	BLANK0000149999	200.6
	WRDW-TV	D27	DT	CP	AUGUSTA, GA	BLANK0000150357	157.5

	Service area		Terrain-limited		IX-free		Percent IX
	521.4	46,603	521.4	46,603	286.4	37,948	45.08 18.57
Undesired							
WTGS D26 DT LIC		230.0		6,739	228.0	6,540	43.72 14.03

WRDW-TV D27 DT CP	7.1	2,115	5.0	1,916	0.97	4.11
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