

tvstudy v2.2.2

Database: localhost, Study: WVUP-CD CH 30 12.6 KW, Model: Longley-Rice
Start: 2017.06.21 10:40:39

Study created: 2017.06.21 10:40:29

Study build station data: LMS TV 2017-06-02 (11)

Proposal: WVUP-CD D30 DC APP TALLAHASSEE, FL
File number: WVUP-CD CH 30 12.6 KW
Facility ID: 3032
Station data: User record
Record ID: 507
Country: U.S.

Stations potentially affected:

Call	Chan	Svc	Status	City, State	File Number	Distance
WFBF	D29	DT	BL	DESTIN, FL	DTVBL81669	245.0 km
WGFL	D29	DT	BL	HIGH SPRINGS, FL	DTVBL7727	188.6
WIAT	D30	DT	LIC	BIRMINGHAM, AL	BLCDT20021219AAV	406.0
WGIQ	D30	DT	BL	LOUISVILLE, AL	DTVBL710	172.9
WEIQ	D30	DT	BL	MOBILE, AL	DTVBL721	353.1
WEFS	D30	DT	LIC	COCOA, FL	BLEDT20130801ABM	374.1
WRMD-CD	D30	DC	BL	TAMPA, FL	DTVBL74559	337.4
WMGT-TV	D30	DT	BL	MACON, GA	DTVBL43847	249.6
W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	370.7
WOGX	D31	DT	LIC	Ocala, FL	BLCDT20020730ABS	225.4
WSWG	D31	DT	BL	VALDOSTA, GA	DTVBL28155	103.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D30
Mask: Stringent
Latitude: 30 34 28.00 N (NAD83)
Longitude: 84 12 9.00 W
Height AMSL: 303.0 m
HAAT: 0.0 m
Peak ERP: 12.6 kW
Antenna: Omnidirectional

50.3 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.6 kW	253.4 m	52.7 km
45.0	12.6	256.0	52.8
90.0	12.6	252.0	52.6
135.0	12.6	262.8	53.2
180.0	12.6	267.6	53.5
225.0	12.6	257.5	52.9
270.0	12.6	259.0	53.0
315.0	12.6	263.4	53.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 259 m

Proposal service area is within baseline plus 1.0%
Proposal service area population is more than 95.0% of baseline

Distance to Canadian border: 1241.5 km

Distance to Mexican border: 1345.0 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 352.5 degrees Distance: 368.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 304.9 degrees Distance: 2173.3 km

Study cell size: 2.00 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 DTVBL81669 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL81669 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL81669 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL81669 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL7727 BL, scenario 1
Proposal causes no interference.

Interference to BLCDT20021219AAV LIC, scenario 1
Proposal causes no interference.

Interference to BLCDT20021219AAV LIC, scenario 2
Proposal causes no interference.

Interference to BLCDT20021219AAV LIC, scenario 3
Proposal causes no interference.

Interference to BLCDT20021219AAV LIC, scenario 4
Proposal causes no interference.

Interference to DTVBL710 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL710 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL710 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL710 BL, scenario 4
Proposal causes no interference.

Interference to DTVBL721 BL, scenario 1
Proposal causes no interference.

Interference to BLEDT20130801ABM LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL74559 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL43847 BL, scenario 1
Proposal causes no interference.

Interference to DTVBL43847 BL, scenario 2
Proposal causes no interference.

Interference to DTVBL43847 BL, scenario 3
Proposal causes no interference.

Interference to DTVBL43847 BL, scenario 4
Proposal causes no interference.

Interference to BLDTL20110110AAR LIC, scenario 1
Proposal causes no interference.

Interference to BLDTL20110110AAR LIC, scenario 2
Proposal causes no interference.

Interference to BLCDT20020730ABS LIC, scenario 1
Proposal causes no interference.

Interference to DTVBL28155 BL, scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WSWG	D31	DT	BL	VALDOSTA, GA	DTVBL28155	
Undesireds:	WVUP-CD	D30	DC	BL	TALLAHASSEE, FL	DTVBL3032	103.8 km
	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD CH 30 12.6 KW	103.8
	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	340.6
	WPAN	D31	DT	BL	FORT WALTON BEACH, FL	DTVBL31570	356.7
	WOGX	D31	DT	LIC	OCALA, FL	BLCDT20020730ABS	224.7
	WTMO-CD	D31	DC	LIC	ORLANDO, FL	BLDTA20110815ACQ	339.3
	WPCH-TV	D31	DT	BL	ATLANTA, GA	DTVBL64033	306.8
	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	149.3
Service area		Terrain-limited		IX-free, before		IX-free, after	Percent New IX
13514.6	363,166	13510.6	363,135	13470.8	362,870	13466.8 362,817	0.03 0.01
Undesired		Total IX		Unique IX, before		Unique IX, after	
WVUP-CD D30 DC BL		20.0	181	20.0	181		
WVUP-CD D30 DC APP		24.0	234			24.0 234	
WNCF D31 DT LIC		11.9	68	4.0	26	4.0 26	
WPCH-TV D31 DT BL		15.8	58	7.9	16	7.9 16	

Interference to proposal, scenario 1
1.06% interference

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Desired:	WVUP-CD	D30	DC	APP	TALLAHASSEE, FL	WVUP-CD CH 30 12.6 KW	
Undesireds:	WGIQ	D30	DT	BL	LOUISVILLE, AL	DTVBL710	172.9 km
	WRMD-CD	D30	DC	BL	TAMPA, FL	DTVBL74559	337.4
	WMGT-TV	D30	DT	BL	MACON, GA	DTVBL43847	249.6
	WSWG	D31	DT	BL	VALDOSTA, GA	DTVBL28155	103.8
Service area		Terrain-limited		IX-free		Percent IX	
8811.2	440,292	8795.2	440,277	8635.6	435,589	1.81 1.06	
Undesired		Total IX		Unique IX		Prcnt Unique IX	
WGIQ D30 DT BL		159.6	4,688	159.6	4,688	1.81 1.06	