

OET-69 Interference Analysis (Proposed WSST-TV, Cordele, GA, Ch. 22) (TVStudy Results)

tvstudy v2.0.2

Database: localhost, Station Data: CDBS TV 2016 Apr, Study: Ix_UserRecord_8

Start: 2016.07.05 15:05:32

Study station data: CDBS TV 2016 Apr

Study record: WSST-TV D22 DT APP CORDELE, GA

Facility ID: 63867

Station data: User record

Record ID: 8

File number: PROPOSED

Country: U.S.

Zone: III

Stations potentially affected:

WPFN-CD	D22	DC	LIC	BLDTA20141222AAC	267.5 km
WSKC-CD	D22	DC	LIC	BLDTA20130417AAG	234.0
WOFL	D22	DT	LIC	BLCDT20110708AAV	449.2
WJCL	D22	DT	LIC	BLCDT20091013AFS	233.3
WBMM	D22	DT	LIC	BLCDT20090428ABH	202.7
WDHN	D21	DT	LIC	BLCDT20090303ACR	160.1
WJSP-TV	D23	DT	LIC	BLEDT20080521AAH	135.8
WPBA	D21	DT	LIC	BLEDT20041013ABK	213.2
WCNC-TV	D22	DT	LIC	BLCDT20031211ABN	454.7

No AM stations found within 2.0 km

Facility parameters as studied:

Latitude: 31 53 35.63 N (NAD83)

Longitude: 83 48 17.62 W

Height AMSL: 208.8 m

HAAT: 111.0 m

Peak ERP: 80.0 kW

Antenna: Omnidirectional

39.6 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	80.0 kW	114.7 m	64.3 km
45.0	80.0	96.7	62.3
90.0	80.0	88.3	61.2
135.0	80.0	95.8	62.2
180.0	80.0	111.2	64.0
225.0	80.0	124.7	65.2
270.0	80.0	126.0	65.3
315.0	80.0	126.8	65.4

Distance to Canadian border: 1092.0 km

Distance to Mexican border: 1434.2 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 338.8 degrees Distance: 235.1 km

ERP: 80.0 kW Field strength: 10.4 dBu, 0.0 mV/m

Facility is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 301.5 degrees Distance: 2124.6 km

Study cell size: 2.00 km

Profile resolution: 1.0 points/km

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

Maximum new IX to LPTV: 2.00%

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Scenario comparisons

Case	Baseline	Scenario A		Scenario B		Percent New IX	
Interference to WPFN-CD LIC, scenario 1		2883.9	164,016	2883.9	164,016	0.00	0.00
Interference to WPFN-CD LIC, scenario 2		2883.9	164,016	2883.9	164,016	0.00	0.00
Interference to WSKC-CD LIC, scenario 1		3368.7	2,697,371	3368.7	2,697,371	0.00	0.00
Interference to WSKC-CD LIC, scenario 2		3368.7	2,697,371	3368.7	2,697,371	0.00	0.00
Interference to WOFL LIC, scenario 1		37124.3	3,929,972	37124.3	3,929,972	0.00	0.00
Interference to WJCL LIC, scenario 1		32186.6	937,677	32186.6	937,677	0.00	0.00
Interference to WBMM LIC, scenario 1		17874.1	575,469	17874.1	575,469	0.00	0.00
Interference to WBMM LIC, scenario 2		17874.1	575,469	17874.1	575,469	0.00	0.00
Interference to WBMM LIC, scenario 3		17874.1	575,469	17874.1	575,469	0.00	0.00
Interference to WBMM LIC, scenario 4		17874.1	575,469	17874.1	575,469	0.00	0.00
Interference to WDHN LIC, scenario 1		22484.0	450,851	22484.0	450,851	0.00	0.00
Interference to WDHN LIC, scenario 2		22484.0	450,851	22484.0	450,851	0.00	0.00
Interference to WJSP-TV LIC, scenario 1		24936.4	1,367,744	24936.4	1,367,744	0.00	0.00
Interference to WPBA LIC, scenario 1		14516.9	4,760,588	14516.9	4,760,588	0.00	0.00
Interference to WPBA LIC, scenario 2		14516.9	4,760,588	14516.9	4,760,588	0.00	0.00
Interference to WCNC-TV LIC, scenario 1		36544.1	3,664,137	36544.1	3,664,137	0.00	0.00
Interference to WCNC-TV LIC, scenario 2		36544.1	3,664,137	36544.1	3,664,137	0.00	0.00

No IX check failures found