

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: Columbus25d1kwinceltiat330fA1, Model: Longley-Rice

Start: 2022.05.04 11:41:27

Study created: 2022.05.04 11:41:27

Study build station data: LMS TV 2022-05-03 #164

Proposal: W25FW-D D25 LD CP COLUMBUS, GA

Facility ID: 185777

Station data: User record

Record ID: 2042

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	WBXA-CD	D24	DC	CP	BIRMINGHAM, AL	BLANK00000035776	212.4 km
No	WTLF	D24	DT	CP	TALLAHASSEE, FL	BLANK00000035775	215.7
No	WTLF	D24	DT	LIC	TALLAHASSEE, FL	BLCDT20030303ABF	222.7
No	WXTX	D24	DT	LIC	COLUMBUS, GA	BLANK00000064021	0.7
No	WGTA	D24	DT	LIC	TOCCOA, GA	BLANK00000001315	277.3
No	WKNI-LP	N25-	TX	APP	ANDALUSIA, AL	BLTTL20050131AAD	191.1
No	WCQT-LP	D25	LD	CP	CULLMAN, AL	BLANK00000149635	263.4
No	W25FC-D	D25	LD	LIC	JASPER, AL	BLANK00000155760	273.0
No	WAKA	D25	DT	LIC	SELMA, AL	BLANK00000081489	181.1
No	W25EA-D	D25	LD	CP	CHIPLEY, FL	BNPDTL20090825AWD	200.7
No	WAWD	D25	DT	LIC	FORT WALTON BEACH, FL	BLANK00000088510	291.3
No	WJXE-LD	D25	LD	LIC	GAINESVILLE, FL	BLANK00000068976	397.7
No	W16CX-D	D25	LD	LIC	PANAMA CITY, FL	BLANK00000180097	238.9
No	W16CX-D	D25	LD	CP	PANAMA CITY, FL	BLANK00000164428	238.9
No	W25EN-D	D25	LD	CP	TALLAHASSEE, FL	BLANK00000147139	234.0
No	W25ED-D	D25	LD	CP	ALBANY, GA	BLANK00000012039	133.1
No	WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	158.4
Yes	DW25EG-D	D25	LD	APP	COLUMBUS, GA	BLDTL20121226AAY	10.6
No	W25EM-D	D25	LD	CP	COLUMBUS, GA	BNPDTL20090825AXS	17.6
No	WQIX-LD	D25	LD	LIC	VIDALIA, GA	BLANK00000116268	261.9
No	W25FP-D	D25	LD	LIC	YOUNG HARRIS, GA	BLANK00000136498	286.4

No	W25FP-D	D25	LD	CP	YOUNG HARRIS, GA	BLANK0000162659	297.2
No	WLMS-LD	N25z	TX	LIC	COLUMBUS, MS	BLTT20031126AOI	349.3
No	WLMS-LD	D25	LD	LIC	COLUMBUS, MS	BLANK0000121952	377.2
No	WLMS-LD	D25	LD	APP	COLUMBUS, MS	BLANK0000150116	349.3
No	WXXV-TV	D25	DT	LIC	GULFPORT, MS	BLANK0000090276	438.4
No	WJZY	D25	DT	LIC	BELMONT, NC	BLANK0000146872	471.8
No	WZRB	D25	DT	LIC	COLUMBIA, SC	BLANK0000081456	402.1
No	WYHB-CD	D25	DC	LIC	CHATTANOOGA, TN	BLANK0000102891	308.0
No	WYHB-CD	D25	DC	CP	CHATTANOOGA, TN	BLANK0000127542	308.0
No	WJFB	D25	DT	LIC	LEBANON, TN	BLANK0000147261	458.3
No	WDLE-LP	D25+	LD	CP	PIGEON FORGE, TN	BLANK0000139392	389.3
No	WGEI-LD	D26	LD	LIC	ENTERPRISE, AL	BLANK0000014108	145.0
No	WTJP-TV	D26	DT	LIC	GADSDEN, AL	BLCDT20110304ACB	209.5
No	W26FE-D	D26	LD	LIC	MONTGOMERY, AL	BLANK0000178731	129.5
No	WBIF	D26	DT	LIC	MARIANNA, FL	BLANK0000072044	230.6
No	WDRJ-LD	D26	LD	LIC	ALBANY, GA	BLANK0000179071	112.8
No	WTBS-LD	N26-	TX	LIC	ATLANTA, GA	BLTTL20000620AEP	151.9
No	WYBU-CD	D26	DC	LIC	COLUMBUS, GA	BLANK0000117350	16.0
No	WLVO-LD	D26	LD	LIC	CUMMING, GA	BLANK0000008263	158.4
No	WGXA	D26	DT	LIC	MACON, GA	BLANK0000074961	128.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D25
 Mask: Full Service
 Latitude: 32 27 29.00 N (NAD83)
 Longitude: 84 53 8.00 W
 Height AMSL: 126.0 m (Adjusted based on actual ground elevation calculation)
 HAAT: 0.0 m
 Peak ERP: 1.00 kW
 Antenna: ELTI-ELTI UHF Panel (ID 1008435) 330.0 deg
 Elev Pattn: Generic

49.9 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.490 kW	-8.0 m	15.0 km
45.0	0.008	0.7	5.5

90.0	0.008	14.5	5.4
135.0	0.002	13.8	3.7
180.0	0.003	26.3	4.3
225.0	0.002	40.3	4.5
270.0	0.069	26.6	9.2
315.0	0.815	7.9	17.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 15 m

Distance to Canadian border: 1043.0 km

Distance to Mexican border: 1370.8 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 5.5 degrees Distance: 156.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 300.9 degrees Distance: 2005.1 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%

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Interference to BLDL20121226AAY APP scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	DW25EG-D	D25	LD	APP	COLUMBUS, GA	BLDL20121226AAY	
Undesireds:	W25FW-D	D25	LD	CP	COLUMBUS, GA		10.6 km
	WXTX	D24	DT	LIC	COLUMBUS, GA	BLANK0000064021	10.8
	WAKA	D25	DT	LIC	SELMA, AL	BLANK0000081489	176.1
	W16CX-D	D25	LD	LIC	PANAMA CITY, FL	BLANK0000180097	245.6

WATL	D25	DT	LIC	ATLANTA, GA	BLCDT20020716AAH	153.1
W25EM-D	D25	LD	CP	COLUMBUS, GA	BNPDTL20090825AXS	28.1
W25FP-D	D25	LD	LIC	YOUNG HARRIS, GA	BLANK0000136498	281.2
WYHB-CD	D25	DC	LIC	CHATTANOOGA, TN	BLANK0000102891	299.2
WYBU-CD	D26	DC	LIC	COLUMBUS, GA	BLANK0000117350	11.6

IX	Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New
2075.2	297,126	2016.9	296,695	1268.3	252,812
0.34				1266.3	251,963
					0.16

Undesired	Total IX	Unique IX, before	Unique IX, after
W25FW-D D25 LD CP	8.0	987	2.0
WXTX D24 DT LIC	617.3	32,469	124.4
WAKA D25 DT LIC	93.3	4,251	3.0
WATL D25 DT LIC	106.5	3,408	1.0
W25EM-D D25 LD CP	5.0	34	2.0
WYBU-CD D26 DC LIC	592.1	38,726	105.3

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Interference to proposal scenario 1

**MX: 2.38% interference received

Desired:	Call	Chan	Svc	Status	City, State	File Number	Distance
	W25FW-D	D25	LD	CP	COLUMBUS, GA		
Undesireds:	WXTX	D24	DT	LIC	COLUMBUS, GA	BLANK0000064021	0.7 km
	W16CX-D	D25	LD	LIC	PANAMA CITY, FL	BLANK0000180097	238.9
	DW25EG-D	D25	LD	APP	COLUMBUS, GA	BLDTL20121226AAY	10.6
	W25FP-D	D25	LD	LIC	YOUNG HARRIS, GA	BLANK0000136498	286.4
	WYHB-CD	D25	DC	LIC	CHATTANOOGA, TN	BLANK0000102891	308.0
	WYBU-CD	D26	DC	LIC	COLUMBUS, GA	BLANK0000117350	16.0

Service area	Terrain-limited	IX-free	Percent IX
279.9	161,947	278.9	160,523
		272.9	156,705
			2.16
			2.38

Undesired	Total IX	Unique IX	Prcnt Unique IX
WXTX D24 DT LIC	4.0	1,736	2.0
DW25EG-D D25 LD APP	2.0	2,082	2.0
WYBU-CD D26 DC LIC	2.0	1,715	0.0

