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Study build station data: LMS TV 2021-06-25

Proposal: W45DX-D CP D13 LD CP ATLANTA, GA
File number: ATL ch13 JAM slot 1 kw mech tilt 5 deg az 338
Facility ID: 61199
Station data: User record
Record ID: 259
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call Distance	Chan	Svc	Status	City, State	File Number
Yes	WCIQ 140.6 km	D12	DT	LIC	MOUNT CHEAHA, AL	BLANK0000117443
No	WDNV-LD 7.2	D12	LD	LIC	Atlanta, GA	BLANK0000004309
No	WRDW-TV 235.2	D12	DT	LIC	AUGUSTA, GA	BLCDDT20090227ABQ
No	W13DT-D 242.0	D13	LD	CP	MONTGOMERY, AL	BNPDTL20090825BZO
No	WTLV 472.4	D13	DT	LIC	JACKSONVILLE, FL	BLCDDT20090702AAJ
No	WMBB 396.6	D13	DT	LIC	PANAMA CITY, FL	BLCDDT20090220AAF
No	DDWCZC-LD 235.4	D13	LD	APP	AUGUSTA, GA	BLANK0000051603
Yes	WMAZ-TV 137.8	D13	DT	LIC	MACON, GA	BLCDDT20090617AAN
No	W13DU-D 300.8	D13	LD	CP	SOPERTON, GA	BLANK0000150688
No	W13DU-D 268.0	D13	LD	LIC	SOPERTON, GA	BLANK0000150050
No	WBFL-CD 361.6	D13-	DC	LIC	VALDOSTA, GA	BLANK0000004604
No	WBKO 408.7	D13	DT	CP	BOWLING GREEN, KY	BLANK0000035946
No	WBKO 408.7	D13	DT	LIC	BOWLING GREEN, KY	BLCDDT20090423ABM
No	WTOK-TV 437.4	D13	DT	LIC	MERIDIAN, MS	BLANK0000124908
Yes	WLOS 230.9	D13	DT	LIC	ASHEVILLE, NC	BLCDDT20101014ABR
No	WBTW 466.0	D13	DT	LIC	FLORENCE, SC	BLCDDT20090612AIR

Yes	WRCB	D13	DT	CP	CHATTANOOGA, TN	BLANK0000035995
	175.0					
Yes	WRCB	D13	DT	LIC	CHATTANOOGA, TN	BLCDT20110729ACZ
	175.0					

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:

WQXI 790 L DAN D ATLANTA, GA BML20061226ABR

WQXI 790 L DAN N ATLANTA, GA BML20061226ABR

Record parameters as studied:

Channel: D13
Mask: Full Service
Latitude: 33 48 26.40 N (NAD83)
Longitude: 84 20 21.50 W
Height AMSL: 400.0 m
HAAT: 0.0 m
Peak ERP: 1.00 kW
Antenna: Jampro 4 bay VHF slot 338.0 deg
Elev Pattn: Jampro 4 bay VHF slot
Mech Tilt: 5.00 @ 338.0 deg

48.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	0.434 kW	100.6 m	32.6 km
45.0	0.950	110.4	39.4
90.0	0.236	102.7	29.0
135.0	0.004	111.8	11.7
180.0	0.003	115.6	11.4
225.0	0.216	100.0	28.2
270.0	0.958	139.4	43.0
315.0	0.450	125.3	36.0

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 113 m

Distance to Canadian border: 886.7 km

Distance to Mexican border: 1490.8 km

Conditions at FCC monitoring station: Powder Springs GA

Bearing: 279.9 degrees Distance: 36.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 296.8 degrees Distance: 1977.2 km

Study cell size: 0.50 km
Profile point spacing: 0.50 km

Maximum new IX to full-service and Class A: 0.50%
Maximum new IX to LPTV: 2.00%

----- Below is IX received by proposal ATL ch13 JAM slot 1 kw -----

Proposal receives 3.56% interference from scenario 1
Proposal receives 3.42% interference from scenario 2
No IX check failures found.