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Study build station data: LMS TV 2018-05-24 (70)

Proposal: WMJN-LD D32 LD LIC HUNTSVILLE, RI
File number: BLDTL20150126ABT
Facility ID: 10593
Station data: User record
Record ID: 1718
Country: U.S.

Build options:
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WQMK-LD	N18+	TX	LIC	CUSSETA, AL	BLTTL20100527ABG	156.7 km
No	WAXC-LD	D31	LD	LIC	ALEXANDER CITY, AL	BLDTL20110329ABN	103.6
No	WSFG-LD	D31	LD	APP	BERRY, AL	BLANK0000029418	95.6
No	WNCF	D31	DT	LIC	MONTGOMERY, AL	BLANK0000001319	177.9
No	WPCH-TV	D31	DT	CP	ATLANTA, GA	BLANK0000025264	202.8
No	WPCH-TV	D31	DT	BL	ATLANTA, GA	DTVBL64033	202.8
No	WGBC	D31	DT	APP	MERIDIAN, MS	BLANK0000035926	254.9
No	WGBC	D31	DT	LIC	MERIDIAN, MS	BLCDT20071024AAK	254.9
Yes	WAXC-LD	D32	LD	CP	ALEXANDER CITY, AL	BDISDTL20120831ABQ	103.6
No	WAAO-LD	D32	LD	APP	ANDALUSIA, AL	BLANK0000053714	266.4
Yes	W32EQ-D	D32	LD	CP	TUSCALOOSA, AL	BLANK0000010947	156.0
No	WFSU-TV	D32	DT	LIC	TALLAHASSEE, FL	BLEDT20030730ACW	416.9
Yes	WSB-TV	D32	DT	CP	ATLANTA, GA	BLANK0000025134	200.7
Yes	WSB-TV	D32	DT	APP	ATLANTA, GA	BLANK0000034812	200.7
Yes	WSB-TV	D32	DT	BL	ATLANTA, GA	DTVBL23960	200.7
No	W32DU-D	D32	LD	CP	Columbus, GA	BLANK0000009479	160.7
No	W32DU-D	D32	LD	LIC	Columbus, GA	BLDTL20140226AGL	156.0
No	W11DD-D	D32	LD	APP	HARTWELL & ROYSTON, GA	BLANK0000053811	337.3
No	W32ET-D	D32	LD	CP	AUBURN, MS	BNPDTL20100510AGA	201.9
No	WLOX	D32	DT	CP	BILOXI, MS	BLANK0000034159	412.4
No	WLOX	D32	DT	BL	BILOXI, MS	DTVBL13995	412.4
No	WABG-TV	D32	DT	LIC	GREENWOOD, MS	BLCDT20051024ABR	373.4
No	W32EP-D	D32	LD	CP	TUPELO, MS	BDCCDTL20120625ACW	201.9
No	W18BL-D	D32	DC	CP	ADAMSVILLE, TN	BLANK0000034140	235.9
No	W18BL-D	D32	DC	BL	ADAMSVILLE, TN	DTVBL68911	237.1
Yes	WOOT-LD	D32	LD	APP	CHATTANOOGA, ETC., TN	BLANK0000054055	206.8
Yes	WNPX-TV	D32	DT	CP	COOKEVILLE, TN	BLANK0000034404	282.3
Yes	WNPX-TV	D32	DT	BL	COOKEVILLE, TN	DTVBL28468	282.3
No	WQEO-LD	D32	LD	APP	JACKSON, TN	BLANK0000053627	342.8

No	WEEE-LP	N32+	TX	CP	KNOXVILLE, TN	BPTTL20120508ADS	343.8
No	WEEE-LP	N32+	TX	LIC	KNOXVILLE, TN	BLTT19980717JA	337.1
No	WEEE-LP	D32	LD	CP	KNOXVILLE, TN	BMPDTA20120605AAP	343.8
No	WWHL-LP	D33-	LD	CP	DECATUR, AL	BLANK0000022311	64.5
No	WWHL-LP	N33-	TX	LIC	DECATUR, AL	BLTT20060817AEG	108.4
Yes	WPXH-TV	D33	DT	CP	GADSDEN, AL	BLANK0000034874	18.1
Yes	WPXH-TV	D33	DT	BL	GADSDEN, AL	DTVBL73312	18.1
No	WFRZ-LD	D33	LD	APP	MONTGOMERY, AL	BLANK0000053015	151.5
No	WIRE-CD	D33	DC	CP	ATLANTA, GA	BLANK0000025104	200.9
No	WIRE-CD	D33	DC	BL	ATLANTA, GA	DTVBL55108	200.9
No	WJCN-LD	D33	LD	LIC	LAGRANGE, GA	BLDTL20130411AAA	159.0
No	W30DF-D	D33	LD	CP	OLIVE HILL, TN	BDISDTL20131219GLJ	215.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D32
 Mask: Full Service
 Latitude: 33 44 13.00 N (NAD83)
 Longitude: 86 31 59.00 W
 Height AMSL: 686.0 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: BOG-B16UB (ID 18054) 300.0 deg
 Elev Pattn: Generic

50.5 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	11.6 kW	406.3 m	59.9 km
45.0	0.864	374.9	43.9
90.0	0.693	442.2	44.5
135.0	0.846	447.5	45.8
180.0	0.759	443.4	45.1
225.0	5.81	380.8	54.9
270.0	13.8	438.6	62.5
315.0	13.9	411.3	61.2

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 418 m

Distance to Canadian border: 945.0 km

Distance to Mexican border: 1320.6 km

Conditions at FCC monitoring station: Powder Springs GA
Bearing: 84.7 degrees Distance: 167.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 298.6 degrees Distance: 1801.4 km

Study cell size: 1.00 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%

---- Below is IX received by proposal BLDTL20150126ABT ----

Proposal receives 4.42% interference from scenario 1
Proposal receives 4.42% interference from scenario 2
**MX with BLANK0000034812 APP scenario 3, 4.35% interference received
**MX with BLANK0000034812 APP scenario 4, 4.35% interference received