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Study build station data: LMS TV 2018-03-21 (45)

Proposal: WDYL-LD D15 LD LIC LOUISVILLE, KY
File number: BLDTL20130823ACI
Facility ID: 38464
Station data: User record
Record ID: 1030
Country: U.S.

Build options:

Protect pre-transition records not on baseline channel
Protect baseline records from LPTV

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WTIU	D14	DT	LIC	BLOOMINGTON, IN	BLEDT20030925AVS	103.3 km
No	WELW-LD	D14	LD	CP	EVANSVILLE, IN	BNPDTL20090825BAH	138.3
No	W14DG-D	D14	LD	LIC	BOWLING GREEN, KY	BLANK0000020945	166.4
No	WLKY	D14	DT	CP	LOUISVILLE, KY	BLANK0000034536	1.0
No	WLKY	D14	DT	BL	LOUISVILLE, KY	DTVBL53939	1.0
No	WKSO-TV	D14	DT	LIC	SOMERSET, KY	BMLED20120608AAL	160.2
No	WAFF	D15	DT	CP	HUNTSVILLE, AL	BLANK0000025101	410.9
No	WAFF	D15	DT	APP	HUNTSVILLE, AL	BLANK0000034153	410.9
No	WAFF	D15	DT	BL	HUNTSVILLE, AL	DTVBL591	410.9
No	WFDE-LD	D15	LD	LIC	CHAMPAIGN, IL	BLANK0000014111	248.5
No	WSEC	D15	DT	LIC	JACKSONVILLE, IL	BLEDT20031031ADN	388.5
No	W15BU-D	D15	DC	CP	JOHNSON CITY, IL	BLANK0000035857	276.3
No	W15BU-D	D15	DC	LIC	JOHNSON CITY, IL	BLDTA20090804AAF	276.3
No	WICS	D15	DT	CP	SPRINGFIELD, IL	BLANK0000027418	350.9
No	WICS	D15	DT	APP	SPRINGFIELD, IL	BLANK0000034386	350.9
No	WICS	D15	DT	BL	SPRINGFIELD, IL	DTVBL25686	350.9
No	NEW	D15	LD	APP	EVANSVILLE, IN	BNPDTL20090825BAG	158.1
Yes	WYYW-CD	D15	DC	LIC	EVANSVILLE, IN	BLDTA20130109AGB	131.8
No	WCZA-LD	D15	LD	LIC	Indianapolis, IN	BLANK0000004258	228.6
No	WCZA-LD	D15	LD	CP	Indianapolis, IN	BLANK0000004325	183.8
Yes	WTTK	D15	DT	CP	KOKOMO, IN	BLANK0000034055	172.2
Yes	WTTK	D15	DT	BL	KOKOMO, IN	DTVBL56526	172.2
Yes	WREP-LD	D15	LD	LIC	MARTINSVILLE, IN	BLDTL20090710AEP	130.0
Yes	WLCU-CD	D15	DC	CP	CAMPBELLSVILLE, KY	BLANK0000028622	121.1
Yes	WLCU-CD	D15	DC	BL	CAMPBELLSVILLE, KY	DTVBL8500	121.1

Yes	WKMR	D15	DT	LIC	MOREHEAD, KY	BMLEDT20120503ADU	213.5
Yes	WXIX-TV	D15	DT	CP	NEWPORT, KY	BLANK0000034161	140.1
Yes	WXIX-TV	D15	DT	BL	NEWPORT, KY	DTVBL39738	140.1
No	WPBM-CD	D15	DC	CP	SCOTTSDALE, KY	BLANK0000026401	171.6
No	WPBM-CD	D15	DC	BL	SCOTTSDALE, KY	DTVBL30580	171.6
No	KPOB-TV	D15	DT	LIC	POPLAR BLUFF, MO	BLCDDT20090623ABU	441.8
No	K38HD-D	D15	LD	APP	ST. LOUIS, MO	BLANK0000036804	383.1
No	WOHL-CD	D15	DC	APP	LIMA, OH	BLANK0000029918	305.7
No	WOHL-CD	D15	DC	BL	LIMA, OH	DTVBL68549	302.5
No	WQCW	D15	DT	CP	PORTSMOUTH, OH	BLANK0000025192	315.6
No	WQCW	D15	DT	BL	PORTSMOUTH, OH	DTVBL65130	316.5
No	WTNZ	D15	DT	CP	KNOXVILLE, TN	BLANK0000034160	311.7
No	WTNZ	D15	DT	BL	KNOXVILLE, TN	DTVBL19200	311.6
No	WZTV	D15	DT	LIC	NASHVILLE, TN	BLCDDT20050309ACM	248.3
No	W43BO	D15	LD	CP	MARION, ETC., VA	BDISDTL20090910AAZ	411.7
No	W16CE	D15	LD	CP	CHARLESTON, WV	BDISDTL20120605ABM	364.6
No	WDNI-CD	D16	DC	CP	INDIANAPOLIS, IN	BLANK0000034782	160.8
No	WDNI-CD	D16	DC	BL	INDIANAPOLIS, IN	DTVBL28199	160.8
Yes	WJYL-CD	D16	DC	LIC	JEFFERSONVILLE, IN	BLANK0000001140	1.0
No	WBKI	D16	DT	CP	SALEM, IN	BLANK0000029887	1.9
No	WBKI	D16	DT	BL	SALEM, IN	DTVBL34167	1.9
No	W16CZ-D	D16	LD	CP	TERRE HAUTE, IN	BNPDTL20100128AHQ	165.6
No	WNKY	D16	DT	LIC	BOWLING GREEN, KY	BLANK0000007775	150.8
No	WPTD	D16	DT	LIC	DAYTON, OH	BLEDT20090923ACN	203.8
No	WHTN	D16	DT	CP	MURFREESBORO, TN	BLANK0000034213	259.0
No	WHTN	D16	DT	BL	MURFREESBORO, TN	DTVBL11117	259.0

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D15
 Mask: Full Service
 Latitude: 38 21 55.20 N (NAD83)
 Longitude: 85 50 24.20 W
 Height AMSL: 400.5 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: DIE-TLP16-I (ID 19135) 350.0 deg
 Elev Pattn: Generic
 Elec Tilt: 1.00

48.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	8.89 kW	191.4 m	49.2 km
45.0	11.7	248.1	53.8
90.0	11.6	248.2	53.8
135.0	2.05	262.2	45.5
180.0	2.77	255.9	46.7
225.0	4.29	146.7	42.7
270.0	15.0	162.6	50.1
315.0	8.89	147.9	46.5

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 208 m

Distance to Canadian border: 454.5 km

Distance to Mexican border: 1709.6 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 358.9 degrees Distance: 471.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 282.8 degrees Distance: 1676.7 km

No land mobile station failures found

Proposal is not within the Offshore Radio Service protected area

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 BLDTL20130823ACI ----

Proposal receives 35.98% interference from scenario 1
No IX check failures found.