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Study build station data: LMS TV 2018-04-30

Proposal: W44DC-D D17 LD LIC COLUMBUS, OH

File number: W44DC displace to chan 17

Facility ID: 49182

Station data: User record

Record ID: 185

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	WCUH-LD	D16	LD	CP	FORT WAYNE, IN	BLANK0000008088	208.1 km
No	W16DO-D	D16	DC	LIC	CLEVELAND, OH	BLANK0000001124	193.1
No	WOSU-TV	D16	DT	CP	COLUMBUS, OH	BLANK0000033620	22.7
Yes	WPTD	D16	DT	LIC	DAYTON, OH	BLEDT20090923ACN	107.9
No	W16DM-D	D16	LD	CP	LIMA, OH	BNPDTL20100609AFI	165.7
No	WOOH-LP	N16-	TX	LIC	ZANESVILLE, OH	BLTT20021211AAM	90.7
No	WOOH-LP	D16	LD	APP	ZANESVILLE, OH	BDFCDTT20060330ADJ	90.7
No	WINP-TV	D16	DT	CP	PITTSBURGH, PA	BLANK0000034405	265.4
No	W16CV-D	D16	LD	CP	PARKERSBURG, WV	BPDTL20140627ABI	150.2
No	W16CV-D	D16	LD	LIC	PARKERSBURG, WV	BLDTL20140527AHW	150.2
No	WODP-LD	D17	LD	APP	FORT WAYNE, IN	BLANK0000052702	208.1
No	WYIN	D17	DT	LIC	GARY, IN	BLEDT20040206AAA	399.2
No	WISH-TV	D17	LD	LIC	INDIANAPOLIS, IN	BLCDT20110207ACU	271.0
No	WALV-CD	D17	DC	CP	INDIANAPOLIS, IN	BLANK0000028083	268.8
No	WPBI-LD	D17	LD	APP	LAFAYETTE, IN	BLANK0000052788	328.0

No	WKPC-TV	D17	DT LIC	LOUISVILLE, KY	BMLEDT20120625ABZ	300.3
No	WKOH	D17	DT CP	OWENSBORO, KY	BLANK0000034642	440.2
No	WKSO-TV	D17	DT CP	SOMERSET, KY	BLANK0000025331	348.5
No	WKSO-TV	D17	DT APP	SOMERSET, KY	BLANK0000034631	348.5
No	WOTV	D17	DT CP	BATTLE CREEK, MI	BLANK0000034787	353.6
No	WXMI	D17	LD LIC	GRAND RAPIDS, MI	BLCDT20141105ACV	313.1
No	KSET-LD	D17	LD APP	MIDLAND, MI	BLANK0000052621	397.1
No	WUNE-TV	D17	DT LIC	LINVILLE, NC	BLEDT20091118ADR	446.5
Yes	WBNX-TV	D17	DT CP	AKRON, OH	BLANK0000028072	193.1
Yes	WCET	D17	DT CP	CINCINNATI, OH	BLANK0000026835	158.9
Yes	WKYC	D17	DT LIC	CLEVELAND, OH	BLCDT20090619ADC	193.6
Yes	WDEM-CD	D17	DC LIC	COLUMBUS, OH	BLDTA20090223ACT	0.0
No	W23DE-D	D17	LD APP	LIMA, OH	BLANK0000051874	131.6
Yes	WQCW	D17	DT LIC	PORTSMOUTH, OH	BLCDT20100422ABY	177.5
No	WJMB-CD	D17	DC LIC	BUTLER, PA	BLDTA20121108ALX	285.5
No	WKOP-TV	D17	DT LIC	KNOXVILLE, TN	BLEDT20040405ACC	449.3
No	WFXR	D17	DT LIC	ROANOKE, VA	BLCDT20090609ABS	396.7
No	WVVA	D17	DT CP	BLUEFIELD, WV	BLANK0000027470	341.7
No	WISE-TV	D18	DT LIC	FORT WAYNE, IN	BLCDT20091103ACK	221.4
No	WFWA	D18	DT CP	FORT WAYNE, IN	BLANK0000034724	221.9
No	WSTR-TV	D18	DT CP	CINCINNATI, OH	BLANK0000034777	154.1
No	WCBZ-CD	D18	DC CP	Columbus, OH	BLANK0000034600	16.5
Yes	WKEF	D18	DT LIC	DAYTON, OH	BLANK0000004293	108.3
No	WLQP-LP	N18z	TX LIC	LIMA, OH	BLTTL19990407JA	124.3
No	W43CZ-D	D18	LD APP	MANSFIELD, OH	BLANK0000053016	94.0
No	WLPX-TV	D18	DT CP	CHARLESTON, WV	BLANK0000034886	198.6
No	WLWD-LD	N20+	TX LIC	SPRINGFIELD, OH	BLTT20051219ADW	71.2

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D17

Mask: Full Service

Latitude: 39 58 16.00 N (NAD83)

Longitude: 83 1 40.00 W

Height AMSL: 355.5 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: Jampro Wide Cardiod A pattern #37 30.0 deg

Elev Pattn: Generic

Elec Tilt: 1.00

49.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	12.8 kW	122.7 m	46.3 km
45.0	14.1	101.4	44.8
90.0	14.7	113.1	46.2
135.0	9.64	125.5	45.1
180.0	2.36	138.5	38.8
225.0	1.16	97.1	31.8
270.0	6.94	84.8	39.2
315.0	14.6	95.9	44.3

Database HAAT does not agree with computed HAAT

Database HAAT: 0 m Computed HAAT: 110 m

Proposal 24.04 dBu contour does not cross Canadian border

Distance to Canadian border: 191.8 km

Distance to Mexican border: 2009.4 km

Conditions at FCC monitoring station: Allegan MI

Bearing: 321.1 degrees Distance: 381.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 277.8 degrees Distance: 1883.5 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%

**IX check failure to BLDTA20090223ACT LIC scenario 1, 99.77% interference caused

---- Below is IX received by proposal W44DC displace to chan ----

**MX with BLANK0000051874 APP scenario 1, 9.65% interference received