Study created: 2019.05.30 12:32:12

Study build station data: LMS TV 2019-05-30

Proposal: W33BW D33 LD LIC ASHLAND, OH
File number: BLTTL20020211ABL
Facility ID: 49181
Station data: User record
Record ID: 170
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	WPNM-LP	N18z	TX	LIC	LEIPSIC, OH	BLTTL19990407JA	160.0 km
No	WANE-TV	D32	DT	CP	FORT WAYNE, IN	BLANK0000034806	243.7
No	WDIV-TV	D32	DT	CP	DETROIT, MI	BLANK0000027872	206.6
No	WOUB-TV	D32	DT	LIC	ATHENS, OH	BLANK0000068360	159.9
No	W32ED-D	D32	LD	CP	CANTON, OH	BLANK0000013880	83.5
No	WRAP-LP	N32-	TX	LIC	CLEVELAND, OH	BLTTL20110902ABQ	102.0
No	WYFX-LD	D32	LD	CP	YOUNGSTOWN, OH	BLANK0000053007	144.4
No	WYFX-LD	D32	LD	APP	YOUNGSTOWN, OH	BLANK0000071956	144.4
No	WMAQ-TV	D33	DT	CP	CHICAGO, IL	BLANK0000034535	461.6
No	WTIU	D33	DT	CP	BLOOMINGTON, IN	BLANK0000034852	398.4
No	W33DC-D	D33	LD	CP	FORT WAYNE, IN	BNPDTL20091228AAX	233.0
No	WQDE-LD	D33	LD	LIC	WOLCOTT, IN	BLANK0000001378	359.8
No	WKHA	D33	DT	CP	HAZARD, KY	BLANK0000029749	402.2
No	WHPS-CD	D33	DC	LIC	DETROIT, MI	BLDTA20150115AAJ	195.6
Yes	WKAR-TV	D33	DT	LIC	EAST LANSING, MI	BLANK0000054990	278.4
No	WOHO-CD	D33	DC	LIC	HOLLAND, MI	BLDTA20120316ACT	379.3
No	WOKZ-CD	D33	DC	CP	KALAMAZOO, MI	BLANK0000027731	326.0
No	WGRZ	D33	DT	APP	BUFFALO, NY	BLANK0000035664	380.6
No	WGRZ	D33	DT	LIC	BUFFALO, NY	BLCDT20050705AAG	380.6
No	WSTR-TV	D33	DT	LIC	CINCINNATI, OH	BLCDT20091117ACS	254.8
Yes	WCSN-LD	D33	LD	LIC	COLUMBUS, OH		

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BLDTL20100728AAG        100.7
Yes  WHIO-TV   D33        DT  CP      DAYTON, OH
BLANK0000025295         199.0
Yes  WFMJ-TV   D33        DT  CP      YOUNGSTOWN, OH
BLANK0000033638         145.5
No   WPXI      D33        LD  LIC     PITTSBURGH, PA
BLCDT20130111ABQ        171.8
No   WOCW-LP   D33+       LD  CP      CHARLESTON, WV
BLANK0000071987         257.3
No   W40AS-D   D33        LD  CP      MOOREFIELD, WV
BLANK0000054682         350.6
No   WNPB-TV   D33        DT  LIC     MORGANTOWN, WV
BLEDT20121205ACJ        246.1
No   WISE-TV   D34        DT  LIC     FORT WAYNE, IN
BLANK0000064330         244.2
No   WKBD-TV   D34        DT  CP      DETROIT, MI
BLANK0000058478         210.0
No   WCET      D34        DT  LIC     CINCINNATI, OH
BLEDT20061031AAR        260.6
Yes  WQHS-DT   D34        DT  LIC     CLEVELAND, OH
BLCDT20031030AGJ         87.4
No   WKEF      D34        DT  CP      DAYTON, OH
BLANK0000034522         200.0
No   W38ET-D   D34        LD  APP     EASTLAKE, OH
BLANK0000054261         149.2
No   WPXI      D34        LD  CP      PITTSBURGH, PA
BLANK0000054534         171.8
No   WVPB-TV   D34        DT  LIC     HUNTINGTON, WV
BLEDT20120214AAS        250.6
No   WNPB-TV   D34        DT  CP      MORGANTOWN, WV
BLANK0000034624         246.1
No   W51EG-D   D34        LD  CP      PARKERSBURG, WV
BLANK0000054632         181.4
No   W51EG-D   D34        LD  APP     PARKERSBURG, WV
BLANK0000073090         183.5
No   W41AP     N41-       TX  LIC     SANDUSKY, OH
BLTTL19891227IS          85.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

    Channel: D33
       Mask: Full Service
   Latitude:  40 44 50.20 N (NAD83)
  Longitude:  82 18 53.60 W
Height AMSL: 550.7 m
       HAAT: 0.0 m
   Peak ERP: 15.0 kW
    Antenna: JAM-JA/LS-BC-12 (ID 39928) 313.0 deg
Elev Pattrn: Generic
  Elec Tilt: 0.75

50.6 dBu contour:
Azimuth      ERP       HAAT   Distance
  0.0 deg   4.50 kW   195.5 m   43.8 km
 45.0      0.530      217.5     33.9
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90.0	0.753	190.0	34.2
135.0	1.24	210.0	37.9
180.0	0.700	215.8	35.2
225.0	0.576	186.6	32.6
270.0	5.62	199.4	45.2
315.0	14.8	211.7	50.8

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 203 m

**Proposal 25.60 dBu contour crosses Canadian border, coordination required
Distance to Canadian border: 103.5 km

Distance to Mexican border: 2105.7 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 305.5 degrees Distance: 366.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 275.6 degrees Distance: 1933.4 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 BLTTL20020211ABL ----

Proposal receives 14.81% interference from scenario 1
No IX check failures found.