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Study build station data: LMS TV 2019-04-16

Proposal: WUHO-LP D18+ LD LIC KALAMAZOO, MI
File number: BLTTL20060103ABT
Facility ID: 16649
Station data: User record
Record ID: 2353
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
No	WEIJ-LD	D17	LD	CP	FORT WAYNE, IN	BLANK0000054397	139.1 km
No	WYIN	D17	DT	LIC	GARY, IN	BLEDT20040206AAA	182.7
No	WOTV	D17	DT	CP	BATTLE CREEK, MI	BLANK0000034787	30.9
No	WOTV	D17	DT	BL	BATTLE CREEK, MI	DTVBL10212	30.9
No	WCMV	D17	DT	LIC	CADILLAC, MI	BLEDT20050914AAI	274.1
Yes	WXMI	D17	LD	LIC	GRAND RAPIDS, MI	BLCDT20141105ACV	38.1
No	WMNN-LD	D17	LD	CP	LAKE CITY, MI	BLANK0000054262	215.5
No	WFFC-LD	D17	LD	CP	MIDLAND, MI	BLANK0000052621	187.2
No	WOIW-LD	D17	LD	LIC	Lima, OH	BLANK0000068365	209.6
No	WBME-CD	D17	DC	CP	MILWAUKEE, WI	BLANK0000034630	208.8
No	WYTU-LD	D17	LD	LIC	MILWAUKEE, WI	BLDTL20120731ALQ	208.8
No	WBME-CD	D17	DC	BL	MILWAUKEE, WI	DTVBL71422	208.8
No	WBXC-CD	D18	DC	CP	CHAMPAIGN/URBANA, IL	BLANK0000034661	329.0
No	WBXC-CD	D18	DC	BL	CHAMPAIGN/URBANA, IL	DTVBL70428	329.0
No	WMEU-CD	D18	DC	CP	CHICAGO, IL	BLANK0000034599	173.6
No	WMEU-CD	D18	DC	BL	CHICAGO, IL	DTVBL168662	173.6
No	WMKB-LP	D18z	LD	CP	Rochelle, IL	BLANK0000054707	297.7
No	NEW	D18	LD	APP	DELPHI, IN	BNPDTL20100510ADO	201.8
Yes	WFWA	D18	DT	LIC	FORT WAYNE, IN	BLANK0000063130	139.1
No	WAWV-TV	D18	DT	CP	TERRE HAUTE, IN	BLANK0000028343	372.7
No	WAWV-TV	D18	DT	BL	TERRE HAUTE, IN	DTVBL65247	372.7
No	W18BT	N18-	TX	LIC	ALPENA, MI	BLTTL19981113JB	359.8
No	WDWO-CD	D18	DC	LIC	DETROIT, MI	BLDTA20130108ABZ	189.9
No	WBWM-LD	D18	LD	CP	MT PLEASANT, MI	BDCCDTL20121130BNU	129.0
Yes	W18ER-D	D18	LD	LIC	MUSKEGON, MI	BLANK0000068548	119.5

No	WURO-LD	D18	LD	LIC	ROSCOMMON, MI	BLDTL20141113AFT	260.4
Yes	WEYI-TV	D18	DT	CP	SAGINAW, MI	BLANK0000034331	184.2
Yes	WEYI-TV	D18	DT	BL	SAGINAW, MI	DTVBL72052	184.2
No	WPBN-TV	D18	LD	CP	TRAVERSE CITY, MI	BLANK0000058651	273.7
No	WSTR-TV	D18	DT	CP	CINCINNATI, OH	BLANK0000034777	358.1
No	WSTR-TV	D18	DT	BL	CINCINNATI, OH	DTVBL11204	358.1
No	WCBZ-CD	D18	DC	LIC	Columbus, OH	BLANK0000069165	329.0
No	WKEF	D18	DT	LIC	DAYTON, OH	BLANK0000004293	309.6
No	WPNM-LP	N18z	TX	LIC	LEIPSIC, OH	BLTTL19990407JA	220.5
No	W43CZ-D	D18	LD	CP	MANSFIELD, OH	BLANK0000053016	315.6
No	WOIO	D18	LD	APP	SHAKER HEIGHTS, OH	BLANK0000054106	362.3
No	WDTJ-LD	D18	LD	LIC	TOLEDO, OH	BLDTL20121219ABP	185.9
No	WMSN-TV	D18	DT	CP	MADISON, WI	BLANK0000034381	330.7
No	WMSN-TV	D18	DT	BL	MADISON, WI	DTVBL10221	330.7
Yes	WVTV	D18	DT	LIC	MILWAUKEE, WI	BLCDDT20101012ADH	206.2
No	WGN-TV	D19	DT	LIC	CHICAGO, IL	BMLCDT20080201APP	173.6
No	W19DT-D	D19	LD	CP	FORT WAYNE, IN	BNPDTL20091228AAW	150.6
No	WIPB	D19	DT	CP	MUNCIE, IN	BLANK0000027189	247.5
No	WIPB	D19	DT	BL	MUNCIE, IN	DTVBL3646	247.5
No	WUDL-LD	D19	LD	LIC	DETROIT, MI	BLANK0000008200	201.0
No	WXMI	D19	DT	LIC	GRAND RAPIDS, MI	BLCDDT20030117ABD	42.0
No	WFKB-LD	D19	LD	CP	MIDLAND, MI	BLANK0000052620	187.2
No	WFND-LD	D19	LD	LIC	FINDLAY, OH	BLANK0000055157	211.0

Non-directional AM stations within 0.8 km:

WKPR 1440 L ND2 D KALAMAZOO, MI BL20181105ACL

WKPR 1440 L ND2 N KALAMAZOO, MI BL20181105ACL

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D18+

Mask: Full Service

Latitude: 42 18 52.00 N (NAD83)

Longitude: 85 36 54.00 W

Height AMSL: 340.0 m

HAAT: 0.0 m

Peak ERP: 15.0 kW

Antenna: AND-ALP12W (ID 16493) 0.0 deg

Elev Pattn: Generic

49.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	90.1 m	43.6 km
45.0	13.4	82.7	42.0
90.0	12.8	78.4	41.1
135.0	4.66	87.7	37.5
180.0	0.871	70.5	26.7
225.0	4.66	52.1	31.8
270.0	12.8	75.2	40.7
315.0	13.4	96.6	43.9

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 79 m

Proposal 24.15 dBu contour does not cross Canadian border
Distance to Canadian border: 204.7 km

Distance to Mexican border: 1982.8 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 319.3 degrees Distance: 42.7 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 268.2 degrees Distance: 1652.9 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 BLTTTL20060103ABT ----

Proposal receives 19.03% interference from scenario 1
No IX check failures found.