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Study build station data: LMS TV 2018-08-09 #196

Proposal: WBQC-LD D20 LD STA CINCINNATI, OH
File number: WBQC-LD STA Post-T
Facility ID: 168413
Station data: User record
Record ID: 2131
Country: U.S.

Search options:
Non-U.S. records included
Baseline record excluded if station has CP

Individual records excluded:
0000017721 WLWD-LD D20 LD LIC SPRINGFIELD, OH BLANK0000017721
20080819ACK W20CT-D D20 LD LIC AUGUSTA, KY BLDTT20080819ACK

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WL9DT-D	D19	LD	CP	FORT WAYNE, IN	BNPDTL20091228AAW	216.5 km
Yes	WIPB	D19	DT	CP	MUNCIE, IN	BLANK0000027189	132.1
Yes	WDKY-TV	D19	DT	CP	DANVILLE, KY	BLANK0000034383	139.2
No	WCLL-CD	D19	DC	LIC	COLUMBUS, OH	BLANK0000052505	157.3
No	WWME-CD	D20	DC	CP	CHICAGO, IL	BLANK0000034604	404.9
No	WAND	D20	DT	CP	DECATUR, IL	BLANK0000034594	382.6
No	W20ED-D	D20	LD	CP	DECATUR, IL	BDCDDTT20130322AII	392.9
No	WTSN-CD	D20	DC	LIC	EVANSVILLE, IN	BLDTL20120328AJA	272.0
No	WFFT-TV	D20	DT	APP	FORT WAYNE, IN	BLANK0000054642	228.3
No	WDGM-LD	D20	LD	CP	FORT WAYNE, IN	BLANK0000008633	216.5
No	WFFT-TV	D20	DT	CP	FORT WAYNE, IN	BLANK0000027652	228.3
No	WUVI-LD	D20	LD	LIC	WEST LAFAYETTE, IN	BLANK0000019528	354.4
No	WKUT-LD	D20	LD	APP	BOWLING GREEN, KY	BLANK0000052703	221.9
No	WTVS	D20	DT	CP	DETROIT, MI	BLANK0000027886	385.8
No	WHNE-LD	D20	LD	LIC	DETROIT, MI	BLDTL20140922ADJ	385.8
No	WUNF-TV	D20	DD	CP	ASHEVILLE, NC	BLANK0000029742	466.9
Yes	WLWT	D20	DT	CP	CINCINNATI, OH	BLANK0000034539	2.0
No	WLFM-LP	D20z	LD	APP	CLEVELAND, OH	BLANK0000054824	345.3
No	WOHZ-CD	D20	DC	CP	MANSFIELD, OH	BLANK0000026543	242.6
Yes	WLWD-LD	N20+	TX	LIC	SPRINGFIELD, OH	BLTT20051219ADW	107.8
No	WPGH-TV	D20	DT	CP	PITTSBURGH, PA	BLANK0000034375	412.8
No	WZTV	D20	DT	CP	NASHVILLE, TN	BLANK0000028847	376.7
No	WNPX-LP	N20-	TX	LIC	NASHVILLE, TN	BLTTL20021119ABM	376.3
No	WHSV-TV	D20	DT	CP	HARRISONBURG, VA	BLANK0000029912	462.7
Yes	WVPB-TV	D20	DT	BL	HUNTINGTON, WV	DTVBL71657	211.0
No	WOVA-LD	D20	LD	CP	PARKERSBURG, WV	BLANK0000052517	253.8
No	W20DY-D	D20	LD	CP	ROANOKE, WV	BNPDTL20100514AAR	343.2
No	W21DJ-D	D21	LD	CP	FORT WAYNE, IN	BNPDTL20091228AAU	216.5
No	WFYI	D21	DT	LIC	INDIANAPOLIS, IN	BLEDT20100803ADB	169.4
No	WRLW-CD	D21-	DC	CP	SALEM, IN	BLANK0000034328	149.4
Yes	WKYT-TV	D21	DT	CP	LEXINGTON, KY	BLANK0000034282	120.9
Yes	WBNS-TV	D21	DT	LIC	COLUMBUS, OH	BLCDT20021025ABK	157.3
No	W22DE	N22+	TX	LIC	DAYTON, OH	BLTTL20100511AAU	69.3

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D20
Mask: Stringent
Latitude: 39 7 30.40 N (NAD83)
Longitude: 84 29 56.00 W
Height AMSL: 464.3 m
HAAT: 0.0 m
Peak ERP: 15.0 kW
Antenna: ERI-ALP8M4CSOC20 0.0 deg
Elev Pattn: Generic
Elec Tilt: 1.00

49.4 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	252.1 m	54.7 km
45.0	12.0	229.1	52.2
90.0	6.69	287.5	52.4
135.0	5.68	282.0	51.3

180.0	6.85	270.4	51.6
225.0	5.68	245.0	49.3
270.0	6.69	236.3	49.7
315.0	12.0	230.8	52.3

Database HAAT does not agree with computed HAAT
Database HAAT: 0 m Computed HAAT: 254 m

Distance to Canadian border: 322.7 km

Distance to Mexican border: 1852.9 km

Conditions at FCC monitoring station: Allegan MI
Bearing: 342.9 degrees Distance: 405.8 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 280.3 degrees Distance: 1773.7 km

No land mobile station failures found

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 BLANK0000034539 CP scenario 1, 34.63% interference caused**
****IX check failure to BLANK0000034539 CP scenario 2, 34.60% interference caused**

---- Below is IX received by proposal WBQC-LD STA Post-T ----

****MX with BLANK0000054642 APP scenario 1, 88.83% interference received**
Proposal receives 88.83% interference from scenario 2