



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

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Study build station data: LMS TV 2022-07-24

Proposal: WDVM-TV D23 DT APP HAGERSTOWN, MD
File number: WDVM Height Increase
Facility ID: 25045
Station data: User record
Record ID: 2953
Country: U.S.
Zone: I

Build options:
Protect pre-transition records not on baseline channel

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

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
Yes	WMPB	D22	DT	LIC	BALTIMORE, MD	BLANK0000166001	96.9 km
No	WTOO-CD	D22	DC	LIC	BOLIVAR, PA	BLANK0000099914	168.7
No	WTOO-CD	D22	DC	CP	BOLIVAR, PA	BLANK0000154235	151.6
No	WWKH-CD	D22	DC	LIC	UNIONTOWN, PA	BLANK0000189129	175.5
No	WCVE-TV	D22	DT	LIC	RICHMOND, VA	BLANK0000112529	181.8
No	WKPI-TV	D23	DT	LIC	PIKEVILLE, KY	BLANK0000087418	458.5
Yes	WMJF-CD	D23	DC	LIC	TOWSON, MD	BLANK0000116949	109.8
No	WNGT-CD	D23	DC	LIC	RALEIGH, NC	BLANK0000143970	389.7
Yes	WNJS	D23	DT	LIC	CAMDEN, NJ	BLANK0000125056	264.8
Yes	WETM-TV	D23	DT	LIC	ELMIRA, NY	BLANK0000129877	339.7
No	WFTY-DT	D23	DT	LIC	SMITHTOWN, NY	BLCDT20120427ABO	458.7
No	WWHO	D23	DT	LIC	CHILLICOTHE, OH	BLANK0000129743	453.5
Yes	WPXI	D23	DT	LIC	PITTSBURGH, PA	BLANK0000080213	236.8
No	WAPW-CD	D23	DC	LIC	ABINGDON, ETC., VA	BLANK0000116775	409.0
No	WITD-CD	D23	DC	LIC	CHESAPEAKE, VA	BLANK0000001500	282.4
Yes	WTVR-TV	D23	DT	LIC	RICHMOND, VA	BLANK0000185678	181.8

No	WMDO-CD	D24	DC	LIC	WASHINGTON, DC	BLANK00000167891	68.5
No	WDPB	D24	DT	LIC	SEAFORD, DE	BLANK00000080899	199.6
Yes	WTAJ-TV	D24	DT	LIC	ALTOONA, PA	BLANK00000079898	167.1
No	WRLH-TV	D24	DT	LIC	RICHMOND, VA	BLANK00000186907	181.8
No	WDCO-CD	D24	DC	LIC	WOODSTOCK, VA	BLANK00000138193	68.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D23
 Latitude: 39 8 16.50 N (NAD83)
 Longitude: 77 49 57.60 W
 Height AMSL: 533.3 m
 HAAT: 347.2 m
 Peak ERP: 1000 kW
 Antenna: Dielectric-TFU-34ETT/VP-R CT150 (ID 1009565) 0.0 deg
 Elev Pattn: Dielectric-TFU-34ETT/VP-R CT150
 Elec Tilt: 2.60

39.7 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	867 kW	382.4 m	106.2 km
45.0	682	293.0	95.3
90.0	916	362.8	104.9
135.0	774	379.2	104.8
180.0	188	354.8	90.9
225.0	240	257.5	81.2
270.0	994	374.6	106.8
315.0	667	373.7	102.9

Distance to Canadian border: 408.3 km

Distance to Mexican border: 2302.1 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 87.7 degrees Distance: 87.2 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 281.5 degrees Distance: 2337.9 km

Study cell size: 2.00 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%

Proposal causes 0.00% interference to BLANK0000166001 LIC scenario 1

Proposal causes 0.10% interference to BLANK0000116949 LIC scenario 1

Proposal causes no interference to BLANK0000125056 LIC

Proposal causes no interference to BLANK0000129877 LIC

Proposal causes no interference to BLANK0000080213 LIC

Proposal causes no interference to BLANK0000185678 LIC

Proposal causes no interference to BLANK0000079898 LIC

---- Below is IX received by proposal WDVm Height Increase ----

Proposal receives 38.37% interference from scenario 1 - **Applicant accepts the receive interference**

No IX check failures found.