Kessler and Gehman Associates
Consultants • Broadcast • Wireless
ENGINEERING

Study created: 2019.07.29 12:11:54

Study build station data: LMS TV 2019-07-22

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    Proposal: WTAJ-TV D24 DT CP ALTOONA, PA
 File number: BLANK0000034754
 Facility ID: 23341
Station data: User record
   Record ID: 2143
     Country: U.S.
        Zone: I
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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	WDVM-TV	D23	DT	CP	HAGERSTOWN, MD	BLANK0000034764	108.4 km
No	WMJF-CD	D23	DC	CP	TOWSON, MD	BLANK0000029914	203.1
No	WETM-TV	D23	DT	CP	ELMIRA, NY	BLANK0000029984	215.5
Yes	WPXI	D23	DT	CP	PITTSBURGH, PA	BLANK0000034876	132.6
No	WDPB	D24	DT	CP	SEAFORD, DE	BLANK0000072089	322.4
No	WPXD-TV	D24	DT	CP	ANN ARBOR, MI	BLANK0000034355	457.8
No	WTEN	D24	DT	CP	ALBANY, NY	BLANK0000034757	433.5
Yes	WPXJ-TV	D24	DT	CP	BATAVIA, NY	BLANK0000064525	246.3
Yes	WNYE-TV	D24	DT	APP	NEW YORK, NY	BLANK0000035705	376.2
Yes	WNYE-TV	D24	DT	LIC	NEW YORK, NY	BLEDT20071228ABM	376.2
No	WONO-CD	D24	DC	CP	SYRACUSE, ETC., NY	BLANK0000034941	334.9
No	WONO-CD	D24	DC	APP	SYRACUSE, ETC., NY	BLANK0000071755	334.9
Yes	WEAO	D24	DT	CP	AKRON, OH	BLANK0000075952	274.5
No	WDEM-CD	D24	DC	LIC	COLUMBUS, OH	BLANK0000071611	394.7
Yes	W24DB-D	D24z	DC	LIC	CLARKS SUMMIT, PA	BLANK0000004543	247.2
Yes	DW24BB-D	D24	DC	BL	EAST STROUDSBURG, PA	DTVBL68137	252.4
Yes	WPHA-CD	D24	DC	LIC	PHILADELPHIA, PA	BLDTA20130920ADK	277.9
Yes	WPHA-CD	D24	DC	CP	PHILADELPHIA, PA	BLANK0000036105	277.9
Yes	WRLH-TV	D24	DT	CP	RICHMOND, VA	BLANK0000034147	347.1

Yes	WDCO-CD	D24	DC	CP	WOODSTOCK, VA	BLANK0000073063	215.0
Yes	WVAH-TV	D24	DT	CP	CHARLESTON, WV	BLANK0000027764	381.8
No	WNUV	D25	DT	LIC	BALTIMORE, MD	BLANK0000059729	205.0
No	WSKA	D25	DT	CP	CORNING, NY	BLANK0000034484	208.8
Yes	KDKA-TV	D25	DT	LIC	PITTSBURGH, PA	BLCDT20041004ACS	133.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D24
Latitude: 40 34 1.00 N (NAD83)
Longitude: 78 26 29.00 W
Height AMSL: 850.2 m
HAAT: 327.0 m
Peak ERP: 788 kW
Antenna: Omnidirectional
Elev Pattrn: Generic
Elec Tilt: 0.70

39.8 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	788 kW	199.3 m	83.8 km
45.0	788	373.3	104.2
90.0	788	444.6	110.7
135.0	788	403.6	107.0
180.0	788	443.8	110.6
225.0	788	162.9	80.5
270.0	788	271.3	93.3
315.0	788	316.9	99.1

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 244.6 km

Distance to Mexican border: 2352.9 km

Conditions at FCC monitoring station: Laurel MD
Bearing: 137.9 degrees Distance: 208.3 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 277.6 degrees Distance: 2260.2 km

Study cell size: 0.50 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 BLANK0000034754 ----

**MX with BLANK0000035705 APP scenario 1, 4.03% interference received
Proposal receives 4.03% interference from scenario 2
**MX with BLANK0000035705 APP scenario 3, 4.03% interference received
Proposal receives 4.03% interference from scenario 4