Kessler and Gehman Associates
Consultants • Broadcast • Wireless
ENGINEERING

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Study build station data: LMS TV 2019-07-30

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    Proposal: WJET-TV D28 DT CP ERIE, PA
 File number: BLANK0000029987
 Facility ID: 65749
Station data: User record
   Record ID: 2145
     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
No	WADL	D27	DT	CP	MOUNT CLEMENS, MI	BLANK0000027047	238.7 km
No	W16DO-D	D27	DC	CP	CLEVELAND, OH	BLANK0000034701	153.4
Yes	WQLN	D27	DT	CP	ERIE, PA	BLANK0000026514	0.4
No	WTAE-TV	D27	DT	LIC	PITTSBURGH, PA	BLANK0000059152	196.9
No	WFPT	D28	DT	LIC	FREDERICK, MD	BLANK0000078429	386.6
No	WSYM-TV	D28	DT	CP	LANSING, MI	BLANK0000026760	380.0
No	WLPC-CD	D28	DC	CP	Redford, MI	BLANK0000069220	247.2
Yes	WUHF	D28	DT	LIC	ROCHESTER, NY	BLCDT20050316AAK	236.9
No	WWDG-CD	D28	DC	LIC	UTICA, NY	BLANK0000001609	418.6
No	WWDG-CD	D28	DC	APP	UTICA, NY	BLANK0000035669	418.5
Yes	WSYX	D28	DT	CP	COLUMBUS, OH	BLANK0000027371	340.5
Yes	WPCB-TV	D28	DT	CP	GREENSBURG, PA	BLANK0000077660	184.7
No	WCAU	D28	DT	CP	PHILADELPHIA, PA	BLANK0000074277	461.9
Yes	WNEO	D29	DT	CP	ALLIANCE, OH	BLANK0000034304	144.2
No	WWAT-CD	D29	DC	CP	CHARLEROI, PA	BLANK0000073061	211.7
No	WQMY	D29	DT	LIC	WILLIAMSPORT, PA	BLCDT20090223ABU	262.2
No	WQMY	D29	DT	APP	WILLIAMSPORT, PA	BLANK0000035754	262.2
No	CIII-DT-27	D27	DT	LIC	PETERBOROUGH, ON	BLANKCANADA213	274.6
Yes	CICO-DT-59	D28	DT	LIC	CHATHAM, ON	BLANKCANADA167	171.9

No	CHCH-DT-3 D28	DT	LIC	MUSKOKA, ON	BLANKCANADA191	326.5
No	CKVP-DT D29	DT	LIC	FONTHILL, ON	BLANKCANADA172	128.8
No	CFMT-DT-1 D29	DT	LIC	LONDON, ON	BLANKCANADA188	146.5

No non-directional AM stations found within 0.8 km

Directional AM stations within 3.2 km:
WRIE 1260 L DA2 D ERIE, PA BL
WRIE 1260 L DA2 N ERIE, PA BL

Record parameters as studied:

Channel: D28
Latitude: 42 2 25.00 N (NAD83)
Longitude: 80 4 8.00 W
Height AMSL: 573.1 m
HAAT: 241.9 m
Peak ERP: 650 kW
Antenna: TFU-16WB-R S230 OS 0.0 deg
Elev Pattrn: Generic
Elec Tilt: 0.55

40.1 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	17.9 kW	354.5 m	73.8 km
45.0	15.4	228.3	64.2
90.0	69.9	164.4	67.2
135.0	381	172.0	76.5
180.0	612	148.5	77.2
225.0	597	208.7	82.0
270.0	349	302.6	89.3
315.0	48.4	356.3	80.4

**Proposal is within coordination distance of Canadian border
Distance to Canadian border: 39.3 km

Distance to Mexican border: 2340.3 km

Conditions at FCC monitoring station: Canandaigua NY
Bearing: 66.2 degrees   Distance: 249.4 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
Bearing: 272.8 degrees   Distance: 2109.9 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 BLANK0000029987 ----

Proposal receives 2.55% interference from scenario 1
No IX check failures found.