



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

Study created: 2020.07.10 08:51:42

Study build station data: LMS TV 2020-07-09

Proposal: WOWK-TV D10 DT CP HUNTINGTON, WV

File number: BLANK0000034807

Facility ID: 23342

Station data: User record

Record ID: 2468

Country: U.S.

Zone: I

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	WTOV-TV	D9	DT	LIC	STEUBENVILLE, OH	BLCDT20111206ACB	245.5 km
No	WJHL-TV	D9	DT	LIC	JOHNSON CITY, TN	BLANK00000116747	230.6
Yes	WVPB-TV	D9	DT	CP	HUNTINGTON, WV	BLANK00000034622	1.4
No	WTHI-TV	D10	DT	LIC	TERRE HAUTE, IN	BLCDT20090622ACG	455.3
Yes	WOIO	D10	DT	CP	SHAKER HEIGHTS, OH	BLANK00000035655	322.1
Yes	WOIO	D10	DT	LIC	SHAKER HEIGHTS, OH	BLANK00000040178	323.3
Yes	WBIR-TV	D10	DT	LIC	KNOXVILLE, TN	BLCDT20090619ADG	317.3
No	WWBT	D10	DT	LIC	RICHMOND, VA	BLANK00000108718	426.8
Yes	WVNS-TV	D11	DT	CP	LEWISBURG, WV	BLANK00000029985	154.5

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D10

Latitude: 38 30 21.10 N (NAD83)

Longitude: 82 12 32.30 W

Height AMSL: 636.4 m

HAAT: 408.3 m

Peak ERP: 37.0 kW

Antenna: Omnidirectional

Elev Pattn: Generic

Elec Tilt: 0.75

36.0 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	37.0 kW	428.7 m	113.4 km
45.0	37.0	410.9	111.7
90.0	37.0	372.8	108.6
135.0	37.0	417.8	112.4
180.0	37.0	414.5	112.1
225.0	37.0	416.5	112.2
270.0	37.0	410.5	111.7
315.0	37.0	394.5	110.3

ERP exceeds maximum

ERP: 37.0 kW ERP maximum: 11.4 kW

Proposal 21.00 dBu contour does not cross Canadian border

Distance to Canadian border: 352.8 km

Distance to Mexican border: 1958.0 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 79.4 degrees Distance: 472.1 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 282.6 degrees Distance: 1981.7 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 0.43% interference to BLANK0000034622 CP scenario 1
Proposal causes 0.01% interference to BLANK0000035655 CP scenario 1
Proposal causes 0.00% interference to BLANK0000040178 LIC scenario 1
Proposal causes 0.19% interference to BLCDT20090619ADG LIC scenario 5
Proposal causes 0.31% interference to BLANK0000029985 CP scenario 1

---- Below is IX received by proposal BLANK0000034807 ----

Proposal receives 0.29% interference from scenario 1
No IX check failures found.