



Kessler and Gehman Associates

Consultants • Broadcast • Wireless

Study created: 2019.12.16 10:20:13

Study build station data: LMS TV 2019-12-13

Proposal: WVBT D29 DT LIC VIRGINIA BEACH, VA

File number: BLCDT20020326ABB

Facility ID: 65387

Station data: User record

Record ID: 2321

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	WUNM-TV	D28	DT	CP	JACKSONVILLE, NC	BLANK0000034444	204.7 km
Yes	WRIC-TV	D28	DT	CP	PETERSBURG, VA	BLANK0000034784	123.4
Yes	WWPB	D29	DT	CP	HAGERSTOWN, MD	BLANK0000034108	339.4
Yes	WMDT	D29	DT	CP	SALISBURY, MD	BLANK0000027459	198.9
Yes	WUND-TV	D29	DT	CP	EDENTON, NC	BLANK0000025090	103.4
No	WSFX-TV	D29	DT	CP	WILMINGTON, NC	BLANK0000034230	335.2
Yes	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDT20050624ABB	314.9
No	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000081209	472.1
Yes	WCVW	D29	DT	CP	RICHMOND, VA	BLANK0000034129	123.4
No	WHIG-CD	D30	DC	CP	ROCKY MOUNT, NC	BLANK0000028657	152.8

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29

Latitude: 36 49 15.00 N (NAD83)

Longitude: 76 30 40.00 W

Height AMSL: 227.4 m

HAAT: 220.3 m

Peak ERP: 851 kW

Antenna: Omnidirectional

Elev Pattn: Generic

Elec Tilt: 0.50

40.2 dBu contour:

Azimuth	ERP	HAAT	Distance
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0.0 deg	851 kW	224.6 m	86.0 km
45.0	851	224.3	86.0
90.0	851	223.2	85.9
135.0	851	222.1	85.7
180.0	851	220.8	85.6
225.0	851	217.7	85.3
270.0	851	214.6	85.0
315.0	851	215.0	85.0

Distance to Canadian border: 690.5 km

Distance to Mexican border: 2273.6 km

Conditions at FCC monitoring station: Laurel MD

Bearing: 354.1 degrees Distance: 262.0 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:

Bearing: 287.3 degrees Distance: 2514.3 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%

IX check failure to BLANK0000034784 CP scenario 1, 2.85% interference caused - **PHASE 8

Proposal causes 0.01% interference to BLANK0000034108 CP scenario 2

Proposal causes 0.48% interference to BLANK0000027459 CP scenario 1

IX check failure to BLANK0000025090 CP scenario 1, 69.20% interference caused - **PHASE 7 - Coordinate

Proposal causes 0.25% interference to BLCDT20050624ABB LIC scenario 1

IX check failure to BLANK0000034129 CP scenario 1, 8.38% interference caused - **PHASE 8

Proposal causes no interference to BLCDT20020326ABB LIC