



Kessler and Gehman Associates
Consultants • Broadcast • Wireless

Study created: 2019.12.16 10:53:04

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: 2323
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

All post-transition APP, CP, and baseline records excluded

All records for new LPTV stations excluded

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	WRDC	D28	DT	LIC	DURHAM, NC	BLCDT20090612AID	221.6 km
Yes	WMPB	D29	DT	LIC	BALTIMORE, MD	BLEDT20090330AEX	292.9
No	WUNJ-TV	D29	DT	LIC	WILMINGTON, NC	BLEDT20080821AAH	318.2
Yes	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDT20050624ABB	314.9
No	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000081209	472.1

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: 815 kW
Antenna: Omnidirectional
Elev Pattn: None

40.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	815 kW	224.6 m	85.6 km
45.0	815	224.3	85.6
90.0	815	223.2	85.5
135.0	815	222.1	85.4
180.0	815	220.8	85.2
225.0	815	217.7	84.9
270.0	815	214.6	84.6
315.0	815	215.0	84.7

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%

Proposal causes 0.09% interference to BLEDT20090330AEX LIC scenario 1

IX check failure to BLCDT20050624ABB LIC scenario 1, 0.77% interference caused - **2.0 IX Allowable for Repack

Proposal causes no interference to BLCDT20020326ABB LIC