

November 13, 2019

**W300DK Richmond, VA - Facility ID: 51896**  
**Fill In Translator for WLES AM Facility ID: 72504**  
**Minor Modification of BLFT-20171017AAI**

**47 C.F.R. Sections 74.1204, 74.1205, 74.1232, 74.1234, 74.1235**

The table on the next sheet shows the contour overlap values for the proposed translator. It shows that there is no prohibited overlap of the interfering contour from the proposed translator to the protected contours of nearby authorized facilities. Contour to contour maps are also attached to further demonstrate compliance with 47 C.F.R. 74.1204

A map is included to show compliance with 74.1232. Specifically the proposed translator's 60 dBu contour is wholly contained inside of both the daytime 2.0 mV/m contour and a 25-mile radius of WLES AM, as required. Further a detailed exhibit is attached that shows the proposed translator and W249CI Richmond operate in the same general area and carry the same programming content (rebroadcast WLES AM), but their 60 dBu contour do not have more than 50% overlap with each other.

**47 C.F.R. Section 1.1306**

A Commission grant of Authorization for this location would not be an action which will have a significant environmental effect. The FCC FM Model software predicts the proposed facility will create a maximum power density near the ground of  $0.1811 \mu\text{W}/\text{cm}^2$  165 meters out from the tower. This is less than 0.1% of the maximum power density for uncontrolled public access areas in accordance with OET Bulletin 65. The permittee/licensee in coordination with other users of the site will reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.



Carl E. Gluck, CPBE



PROPOSED MECHANICSVILLE VA TRANSLATOR ON CHANNEL 299

REFERENCE CH# 299D - 107.7 MHz, Pwr= 0.25 kW DA, HAAT= 125.6 M, COR= 165.2 MDISPLAY DATES  
 37 37 17.3 N. Average Protected F(50-50)= 14.4 km DATA 11-06-19  
 77 22 14.1 W. Standard Directional SEARCH 11-06-19

CH CITY	CALL	TYPE	ANT STATE	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*OUT* (Overlap in km)
300D Richmond	W300DK	LIC	VA	225.5 45.4	16.94 BLFT20171017AAI	37 30 52.50 77 30 26.90	0.045	15.6 201	10.4 Delmarva Educational Assoc	-7.7*
297A Powhatan	WBBT-FM	LIC N	VA	246.2 66.0	32.15 BMLE20180102AAL	37 30 16.50 77 42 13.00	1.400 207	2.2 282	27.6 Commonwealth Public Broadc	4.1
300A West Point	WBQK	LIC N	VA	111.0 291.3	52.86 BLH20050726ANA	37 27 00.50 76 48 44.90	4.000 100	37.7 119	24.9 Davis Media, LLC	11.2
298A Warsaw	AL8812	USE	VA	56.4 236.8	65.28 RM11234	37 56 39.49 76 45 03.85	6.000 100	46.1 124	29.8	13.8
298A Warsaw	WNNT-FM	LIC	VA	56.4 236.8	65.28 BLH20081023AAQ	37 56 39.50 76 45 03.80	6.000 100	45.7 122	29.4 Real Media, Inc.	14.1
245A Bowling Green	WWUZ	LIC	VA	359.9 179.9	38.20 BMLH20011030AAM	37 57 56.50 77 22 17.90	2.950 144	0.0 191	0.0 Alpha Media Licensee LLC	28.2M
299A Alberta	AL6341	RSV-A	VA	209.0 28.7	95.61 RM10185	36 52 02.53 77 53 29.99	6.000 100	88.2 198	29.6	36.0
299A Alberta	WWDW	LIC	VA	209.0 28.7	95.61 BMLH20090327AHS	36 52 02.50 77 53 30.00	2.200 163	81.9 255	28.3 First Media Radio, LLC	37.4
299B1 Norfolk	WMOV-FM	LIC Z	VA	132.8 313.4	132.01 BLH20110217AAQ	36 48 37.50 76 16 57.50	15.000 130	95.1 131	38.6 Cc Licenses, LLC	42.0
299B Manassas	WWWT-FM	LIC	VA	342.1 161.8	130.84 BLH20070809ABB	38 44 30.40 77 50 06.90	29.000 197	133.3 357	66.5 Washington Dc FCC License	43.7

Terrain database is NED 03 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
 In & Out distances between contours are shown at closest points. Reference Zone= East Zone, Co-3rd adjacent.  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 Incoming contour overlap is ignored.  
 "\*"affixed to 'IN' or 'OUT' values = site inside restricted contour.  
 « = Station meets FCC minimum distance spacing for its class.