



November 13, 2019

**W300DK Richmond, VA - Facility ID: 51896**  
**Fill In Translator for WLES AM Facility ID: 72504**  
**Minor Modification of CP BLANK-0000090139**

This application for a minor modification of CP File No. 0000090139 reduces the height of the translator antenna and changes the proposed directional antenna pattern. No other changes are proposed.

**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  $1.1889 \mu\text{W}/\text{cm}^2$  29.2 meters out from the tower. This is less than 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.

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REFERENCE CH# 299D - 107.7 MHz, Pwr= 0.25 kW DA, HAAT= 72.4 M, COR= 111.9 M DISPLAY DATES  
 37 37 17.6 N. Average Protected F(50-50)= 11.1 km DATA 01-27-20  
 77 22 12.9 W. Standard Directional SEARCH 01-27-20

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)
299D Richmond	W299DB/W3	CP	D VA	0.0 0.0	0.00 0000090139	37 37 17.60 77 22 12.90	0.250	19.4 166	5.8 Delmarva Educational Assoc	-20.0*<
300D Richmond	W300DK	LIC	VA	225.5 45.4	16.96 BLFT20171017AAI	37 30 52.50 77 30 26.90	0.045	14.7 201	10.5 Delmarva Educational Assoc	-3.4<
297A Powhatan	WBBT-FM	LIC	N VA	246.2 66.0	32.18 BMLED20180102AAL	37 30 16.50 77 42 13.00	1.400 207	2.2 282	27.9 Vpm Media Corporation	3.8
300A West Point	WBQK	LIC	N VA	111.0 291.4	52.84 BLH20050726ANA	37 27 00.50 76 48 44.90	4.000 100	37.2 119	24.5 Davis Media, LLC	17.2
298A Warsaw	WNNT-FM	LIC	VA	56.4 236.8	65.25 BLH20081023AAQ	37 56 39.50 76 45 03.80	6.000 100	45.3 122	29.4 Real Media, Inc.	20.6
245A	WWUZ	LIC		359.8	38.19	37 57 56.50	2.950	0.0	0.0 10.0R	28.2M

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 Terrain database is NGDC 30 SEC, R= 73.215 qualifying spacings or FCC minimum spacings in KM, M= Margin in KM  
 Contour distances are on direct line to and from reference station. 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.  
 < = Contour Overlap