



October 16, 2019

W299DB (W300DK) Richmond, VA - Facility ID: 51896
Fill In Translator for WLES 590 AM Bon Air, VA Facility ID: 72504
Minor Modification of Construction Permit BLANK-0000100673

The purpose of this application for a minor modification of a Construction Permit is to change the antenna make, model and pattern, and to reduce the effective radiated power. The antenna location and height remain unchanged.

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

A channel study is included on the next sheet to show that the only protected contour within 16 km of the outgoing interference contours of the proposed translator is WBBT-FM 297A Powhatan, VA. Exhibit 13 attached to the application includes a contour to contour map showing this protection. All other authorized facilities are protected in accordance with 74.1204 of the rules.

A map is included to show compliance with 74.1232.

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 proposed antenna will have a maximum effective radiated power of less than 100 watts. Therefore, this proposal is categorically excluded 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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CHANNEL STUDY OF PROPOSED TRANSLATOR

REFERENCE CH# 299D - 107.7 MHz, Pwr= 0.05 kW DA, HAAT= 66.3 M, COR= 111.8 M DISPLAY DATES
 37 37 17.1 N. Average Protected F(50-50)= 7.0 km DATA 05-13-20
 77 22 14.0 W. Standard Directional SEARCH 05-13-20

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	DH VA	58.5 238.5	0.03 0000100673	37 37 17.60 77 22 12.90	0.250	21.1 112	6.3 Delmarva Educational Assoc	-31.1*
300D Richmond	W300DK	LIC	VA	225.5 45.4	16.93 BLFT20171017AAI	37 30 52.50 77 30 26.90	0.045	15.2 201	10.4 Delmarva Educational Assoc	-4.1
297A Powhatan	WBBT-FM	LIC	N VA	246.2 66.0	32.15 BMLED20180102AAL	37 30 16.50 77 42 13.00	1.400 207	2.2 282	27.6 Vpm Media Corporation	3.9
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	38.9 119	24.9 Davis Media, LLC	17.7
298A Warsaw	WNNT-FM	LIC	VA	56.4 236.8	65.28 BLH20081023AAQ	37 56 39.50 76 45 03.80	6.000 100	45.4 122	29.4 Real Media, Inc.	24.8

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 to 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.

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