

May 6, 2021

W273DZ - Facility ID: 201653
Fill In Translator for WRJR AM Facility ID: 68741
Minor Modification of W273DZ License
FCC File No. BLANK-0000131469

W273DZ was first licensed on 1/29/2021. The translator has operated regularly from its permanent facility at the tower site of AM station WRJR AM. The present proposal to modify the translator is to move it to a nearby tower that is taller and that will provide better coverage,

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 created by the proposal.

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 FCC FM Model software predicts the proposed facility will create a maximum power density near the ground of $1.173 \mu\text{W}/\text{cm}^2$ 29.2 meters out from the tower. This is 0.6% 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

W273DZ.A Channel Study

REFERENCE CH# 273D - 102.5 MHz, Pwr= 0.25 kW DA, HAAT= 76.1 M, COR= 86.3 M DISPLAY DATES
 37 16 26.8 N. Average Protected F(50-50)= 11.3 km DATA 05-05-21
 76 44 45.0 W. Standard Directional SEARCH 05-06-21

CH CITY	CALL	TYPE STATE	ANT	AZI. <--	DIST FILE #	LAT. LNG.	Pwr(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*OUT* (Overlap in km)
273D Norfolk	W273DZ!	LIC VA	DCN	230.4 50.3	17.38 0000131469	37 10 28.00 76 53 49.00	0.145	37	---Reference--- Iglesia Nueva Vida Of High	
275B Norfolk	WOWI	LIC VA	CN	150.8 331.1	65.90 BLH20131212ATB	36 45 19.80 76 23 05.90	50.000 150	6.0 152	65.1 Ihm Licenses, LLC	0.0
272D Gloucester	W272EJ	LIC VA	DCN	49.1 229.2	23.17 BLFT20181016AAX	37 24 37.00 76 32 51.00	0.250	13.8 101	9.7 Wxgm, Inc.	1.7
271B Richmond	WRXL	LIC VA	CN	299.4 118.9	77.87 BLH19920608KG	37 36 52.50 77 30 54.90	20.000 241	5.9 301	66.4 Entercom License, LLC	9.8
273D Richmond	W273BB	CP VA	CN	299.3 118.9	77.85 BPFT20190529AAF	37 36 51.50 77 30 55.00	0.250	49.0 175	14.6 Positive Alternative Radio	25.8
273B Princess Anne	WBOC-FM	LIC MD	CN	45.6 226.2	133.90 BLH7539	38 06 43.40 75 39 12.70	50.000 152	138.7 157	66.0 Wboc, Inc.	26.5
274D Petersburg	W274BX	LIC VA	CN	265.6 85.2	56.18 BLFT20160713ABM	37 14 02.50 77 22 37.90	0.250	18.5 124	12.5 Radio One Licenses, LLC	26.7
273B Princess Anne	WBOC-FM	CP MD	CN	45.5 226.2	133.94 0000141568	38 06 47.00 75 39 15.00	50.000 144	137.3 147	64.7 Wboc, Inc.	27.9

Terrain database is NGDC 30 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 adjct.
 Call signs with exclamation marks need not be protected.
 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.