

## CHANNEL STUDY

W275CD, Vinton, VIRGINIA  
 Virginia Tech Foundation, Inc  
 CH# 275D - 102.9 MHz, Pwr= 0.048 kW, HAAT= 127.1 M, COR= 607 M  
 Average Protected F(50-50)= 9.66 km  
 Omni-directional  
 REFERENCE 37 13 56.0 N.  
 80 02 46.0 W.  
 DISPLAY DATES  
 DATA 07-01-14  
 SEARCH 08-23-14

CH CITY	CALL	TYPE ANT STATE	AZI <--	DIST FILE #	LAT LNG	PWR(kW) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
275D W275CD Vinton		CP _C_ VA	63.2 243.3	10.43 BNPFT20130829ADX	37 16 28.0 79 56 27.0	0.099 -59	18.5 336	5.6 Virginia Tech Foundation,	-22.9*	-44.2
273A WBZS Shawsville		LIC ZCX VA	247.1 67.0	10.60 BLH20130913ADG	37 11 42.0 80 09 23.0	0.150 591	0.3 1167	18.4 George S. Flinn, Jr.	3.1	-8.3*
274C1 WJJX Appomattox		RSV-A _N VA	83.9 264.7	111.15	37 19 55.0 78 47 45.0	100.000 299	102.9 506	70.6 Capstar Tx Lic	-5.8	19.4
274B WJJX Appomattox		LIC _CN VA	73.7 254.3	95.48 BLH19890602KC	37 28 07.0 79 00 27.0	22.000 227	76.1 439	64.4 Capstar Tx Lic	4.6	0.1
272D W272DI Roanoke		CP _C_ VA	74.7 254.9	21.34 BNPFT20130816ABD	37 16 57.0 79 48 48.0	0.010 182	0.2 542	8.6 Community Public Radio, In	6.5	12.1
276B1 WRON-FM Lewisburg		LIC ZCN WV	326.8 146.5	75.33 BLH20000626AFN	37 47 54.0 80 30 56.0	3.300 273	50.5 924	39.5 Radio Greenbrier, Lic	13.9	18.3
277C1 WAKG Danville		LIC _CN VA	132.7 313.1	80.19 BLH19900904KB	36 44 28.0 79 23 05.0	100.000 199	7.9 410	62.4 Piedmont Broadcasting Corp	59.5	17.3
275A WKQB Pocahontas		LIC NCX VA	269.6 88.9	107.07 BLH20110523AFW	37 13 12.0 81 15 20.0	0.100 454	71.0 1278	22.4 West Virginia - Virginia M	25.1	48.4
278D W278AJ Blacksburg		LIC _CN VA	262.7 82.4	38.89 BLFT19980519TH	37 11 12.0 80 28 54.0	0.065 134	0.6 745	11.7 Cumulus Licensing Lic	27.8	25.5
275D W275AW Danville		LIC _C_ VA	142.3 322.7	96.42 BLFT20070830ACP	36 32 38.0 79 23 11.0	0.038 61	19.2 222	5.7 Educational Information Co	64.7	49.2
278D W278BF Covington		LIC DC_ VA	9.1 189.1	63.14 BLFT20120213AAV	37 47 35.0 79 55 59.0	0.016 311	0.3 877	7.3 Wvjt, Lic	49.5	51.7

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 adjacent.  
 All separation margins (if shown) include rounding  
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, \_= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)  
 "\*\*\*affixed to 'IN' or 'OUT' values = site inside protected contour.