

CHANNEL STUDY

W I S T A R R O A D R I C H M O N D , V A REFERENCE CH# 277L1 - 103.3 MHz, Pwr= 0.039 kW, HAAT= 48.8 M, COR= 106 M 37 37 21.0 N. Average Protected F(50-50)= 5.69 km 77 30 01.0 W. Omni-directional DISPLAY DATES DATA 10-31-13 SEARCH 11-04-13										
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*
279B Richmond	WURV	LIC _CY VA	208.1 28.1	14.34 BLH19831117BF	37 30 31.0 77 34 37.0	20.000 256	5.9 325	66.9 Sm-wurv, Lic	3.2	-53.4*
275D Ashland	W275BQ«	LIC _C_ VA	1.7 181.7	13.72 BLFT20110525AAL	37 44 46.0 77 29 44.0	0.250	1.1 150	12.2 Fifth Estate Broadcasting,	13.5R	0.22M
276D Middleton	W276BZ«	LIC _C_ VA	216.1 36.0	15.12 BLFT20090610AEC	37 30 45.0 77 36 05.0	0.010 134	9.5 200	6.7 Stucomm, Inc	14.5R	0.6M
277B Onley-onancock	WESR-FM«	LIC _CN VA	85.7 266.8	160.62 BMLH624	37 43 02.0 75 41 01.0	50.000 98	131.5 107	58.2 Eastern Shore Radio, Inc.	111.5R	49.1M
276A Culpeper	WJMA«	LIC ZCX VA	336.1 155.8	104.86 BLH20090826AAF	38 29 04.0 77 59 22.0	6.000 86	45.3 210	29.3 Piedmont Communications, I	55.5R	49.4M
278B Washington	WTOP-FM«	LIC DC_ DC	13.6 193.8	150.11 BMLH20110215ABQ	38 56 10.0 77 05 33.0	44.000 158	78.5 228	65.7 Washington Dc Fcc License	96.5R	53.6M
278A Crozet	WMRY«	LIC _CN VA	289.0 108.3	114.23 BLED19950524KC	37 57 02.0 78 43 46.0	0.280 446	47.6 732	30.5 James Madison University B	55.5R	58.7M

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= - Zone 1, Co to 2nd 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.
 « = Station meets FCC minimum distance spacing for its class.
 Reference station has protected zone issue: