

# CHANNEL STUDY

W209AG DECEMBER 2015)

ALLOCATION STUDY

REFERENCE  
37 13 56.0 N.  
80 02 46.0 W.

CH# 208D - 89.5 MHz, Pwr= 0.25 kW DA, HAAT= 0.0 M, COR= 607 M  
Average Protected F(50-50)= 7.09 km  
Standard Directional

DISPLAY DATES  
DATA 09-01-15  
SEARCH 12-13-15

| CH<br>CITY             | CALL    | TYPE<br>STATE | ANT | AZI<br><--     | DIST<br>FILE #             | LAT<br>LNG               | PWR(kW)<br>HAAT(M) | INT(km)<br>COR(M) | PRO(km)<br>LICENSEE                | *IN*<br>(Overlap in km) | *OUT*  |
|------------------------|---------|---------------|-----|----------------|----------------------------|--------------------------|--------------------|-------------------|------------------------------------|-------------------------|--------|
| 206C<br>Roanoke        | WVTF    | LIC _C_<br>VA |     | 248.2<br>68.1  | 9.96<br>BMLED20020418AAL   | 37 11 56.0<br>80 09 02.0 | 100.000<br>600     | 15.5<br>1187      | 96.6<br>Virginia Tech Foundation,  | -12.9*                  | -87.7* |
| 209D<br>Roanoke, Etc.  | W209AG  | LIC _C_<br>VA |     | 4.2<br>184.2   | 12.75<br>BLFT20100602AAG   | 37 20 48.0<br>80 02 08.0 | 0.033<br>230       | 20.8<br>694       | 14.0<br>Virginia Tech Foundation,  | -27.7*                  | -30.3* |
| 208D<br>Christiansburg | W208BN  | LIC DC_<br>VA |     | 262.2<br>82.0  | 36.62<br>BLFT20131218ELY   | 37 11 13.0<br>80 27 21.0 | 0.010<br>165       | 28.6<br>780       | 8.8<br>Bible Broadcasting Network  | -2.5                    | 0.3    |
| 208A<br>Mayodan        | WJHW    | LIC DCX<br>NC |     | 172.3<br>352.3 | 80.64<br>BLED20100223ACO   | 36 30 48.2<br>79 55 28.6 | 2.500<br>110       | 65.9<br>355       | 17.8<br>Church Planters Of America | -2.0                    | 19.1   |
| 208D<br>Lynchburg      | W208AP  | LIC _C_<br>VA |     | 79.6<br>260.1  | 79.72<br>BLFT20110930BAP   | 37 21 32.0<br>79 09 32.0 | 0.010<br>188       | 25.7<br>420       | 7.6<br>Virginia Tech Foundation,   | 32.0                    | 6.0    |
| 210A<br>Ferrum         | WFFC    | LIC DCX<br>VA |     | 166.7<br>346.7 | 36.36<br>BLED20050511ADV   | 36 54 50.0<br>79 57 07.0 | 1.100<br>207       | 2.0<br>573        | 25.4<br>Virginia Tech Foundation,  | 17.5                    | 9.7    |
| 210A<br>Radford        | WVRU-FM | LIC _CN<br>VA |     | 257.4<br>77.1  | 46.04<br>BLED19800922AM    | 37 08 26.0<br>80 33 11.0 | 0.500<br>5         | 1.6<br>623        | 8.5<br>Radford University          | 33.9                    | 36.1   |
| 208C<br>Johnson City   | WETS-FM | LIC _C_<br>TN |     | 245.1<br>63.9  | 206.02<br>BMLED20060802ATX | 36 26 02.0<br>82 08 08.0 | 66.000<br>692      | 170.6<br>1318     | 67.0<br>East Tennessee State Unive | 35.8                    | 101.1  |

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 restricted contour.