National Public Radio, Washington, D.C.

DTV Channel 6 to FM D/U Ratio Study

Philadelphia, Pennsylvania Area Study
Station List and Technical Parameters

Channel 6 DTV Station

WPVI-DT6 (assumed Channel 6 operation), Philadelphia, Pennsylvania
8.77 kW ERP (FCC maximum for assumed height)
Nondirectional azimuth pattern, elevation pattern of Figure 2
Radiation center 332 meters HAAT, FCC DTV application site.

FM Stations*

WPEB(FM), 88.1 MHz, Philadelphia, Pennsylvania
1 *watt* ERP, 60 meters HAAT, nondirectional (as permitted)
D/U Ratios: -14, -3, and +3 dB

WXPN(FM), 88.5 MHz, Philadelphia, Pennsylvania
5 kW ERP, 280 meters HAAT, nondirectional (as licensed)
D/U Ratios: -26, -7, and +l dB

WBYO(FM), 88.7 MHz, Sellersville, Pennsylvania
0.9 kW ERP, 133 meters HAAT, directional (as licensed)
D/U Ratios: -27, -11, and 0 dB

WYBF(FM), 89.1 MHz, Radnor Township, Pennsylvania
0.7 kW ERP, 68 meters HAAT, directional (as licensed)
D/U Ratios: -27, -18, and -2 dB

WSJI(FM), 89.5 MHz, Cherry Hill, New Jersey
2 kW ERP, 55 meters HAAT, directional (as licensed)
D/U Ratios: -28, -23, and-3 dB

WRTI(FM), 90.1 MHz, Philadelphia, Pennsylvania
12.5 kW ERP, 308 meters HAAT, directional (as licensed)
D/U Ratios: -31 and -6 dB

WHYY-FM, 90.9 MHz, Philadelphia, Pennsylvania
13.5 kW ERP, 280 meters HAAT, nondirectional (as licensed)
D/U Ratios: -42 and -9 dB

---

* Directional transmitting antenna azimuth pattern, if any, taken from FCC database. Unity elevation pattern assumed. FCC-authorized transmitting locations. See letter text for WBYO and WYBF polarization assumptions.