

Spurious Emissions Measurements
Auxiliary Antenna System
WDVI Rochester, NY
WFXF Honeoye Falls, NY

Spurious Emission Measurements were taken on July 20, 2006 to comply with special condition 2 on construction permit BXPB-20051206ABK for WDVI and special condition 1 on construction permit BXPB-20051206ADB for WFXF to demonstrate compliance with the spurious emission requirements of 47 C.F.R Section 73.317(b) through 73.317(d) of the FCC Rules and Regulations.

Measurements were made using an Agilent 4402B spectrum analyzer S/N MY44211764 with both transmitters operating simultaneously into the combined antenna system. The analyzer was fed through a short length of RG-233/U double shielded 50 ohm coaxial cable from a Bird line section with a directional RF tap located in the transmission line at the combiner output.

All frequencies including harmonics of each carrier were checked up to the 10th harmonic. Special attention was paid to intermodulation products which might be produced by mixing of the two signals. No spurious emissions were observed that exceeded a level of -84db as referenced to the carrier frequency of each station. No harmonic emissions were observed that exceeded a level of -80db as referenced to the carrier frequency of each station.

The results of these measurements confirm that the combined operation of WDVI and WFXF is in compliance with section 73.317(b) through 73.317(d) of the FCC Rules and Regulations and thus complies with the special condition on each construction permit with regard to spurious emissions.