

## RF EMISSIONS STUDY

Special Operating Condition #3 of the underlying Construction Permit (BPFT-20090601AAW) requires that warning signs be posted and access be restricted at the antenna site. An RF Emissions Study has been performed to review the maximum power density that would exist at ground level. This is the Uncontrolled/General Population. The maximum exposure guideline was established in OET Bulletin No. 65, Edition 97-01, released August 1997.

The results of this RF Emissions Study are as follows:

There are 4 currently operating LPTV's and 3 currently operating FM translators located at the proposed site. One LPTV facility is temporarily off air and is in Digital transition. W269CF is being broken into two separate facilities (in this study), one for vertical and one for horizontal. The contribution of each of these facilities has been calculated. Enclosed as W269CF 101.7 Clarks Summit RFR Attachment Subparts are the results of the RF Emissions study for each of these 9 facilities (including the contribution from this facility). Included here is a summary indicating the total results of the studies of each of these facilities.

Facility 1 – W14CO-D, Clarks Summit, PA – Antenna – Andrew ALP12L2-HSW F=0.23  
Contribution – 0.36% Note: Already Flash Cut to Digital (prior to 8/9/2009).

Facility 2 – W19AR, Clarks Summit, PA – Antenna - Unknown (worst case antenna used) F=1  
Contribution – 12.87%

Facility 3 – W26CD, Scranton, PA – Antenna – ERI AL8 (from W26CD Study)  
Contribution – 2.50% Note: Currently off-air, analog antenna and transmitter removed from site.  
Digital facility information (to be installed) listed here.

Facility 4 – W48AQ, Clarks Summit, PA – Antenna – Bogner Unknown (worst case antenna used) F=1  
Contribution – 25.41%

Facility 5 – W51BP, Clarks Summit, PA – Antenna – Scala Unknown (worst case antenna used) F=1  
Contribution – 10.63%

Facility 6 – W274AO, Clarks Summit, PA – Antenna – Scala CL-FM F=0.39  
Contribution – 1.27%

Facility 7 – W212AT, Clarks Summit, PA – Antenna – Jampro JLLP-1 (worst case antenna used) F=1  
Contribution – 0.19%

Facility 8 – W269CF Vertical, Clarks Summit, PA – Antenna – Scala CA-2V F=0.35  
Contribution – 2.00%

Facility 9 – W269CF Horizontal, (New) Clarks Summit, PA – Antenna – Scala CA-2D F=0.41  
Contribution – 0.27%

The total contribution of all nine of these facilities is: 55.50% of the allowable FCC General Population/Uncontrolled Exposure Limit at ground level. This site is in compliance with RF Emission guidelines and will continue to be in compliance when the proposed antenna is added to the 7 currently operating and one proposed facilities at this site. It should be noted that access to the site is restricted and appropriate warning signs are posted at the site. This site will be in compliance with the RF Emission guidelines and with the Special Operating Conditions contained within BPFT-20090601AAW.