

## EXHIBIT # 1: Interference Analysis

According to standard analysis, using FCC F:50/50 and F:50/10 coverage and interference curves, the proposed station fails to meet interference standards for a number of full power NTSC and DTV stations. However, as is permitted under section 74 of the Commission's rules, an additional analysis utilizing methods described under FCC Technical Bulletin OET-69 was performed and the proposed station meets all of these criteria. The submitted analysis was performed using a Longley-Rice method developed by the FCC to analyze potential overlapping interference areas and their effect on the areas which are determined to be previously interference free. As described under the rules, any interference increase to any full power station is impermissible. The FCC methods require rounding of the results of the analysis to the nearest percent to adjust for tolerance errors in the computer analysis program output. Accordingly, the results in this analysis are rounded, as required.

As required under guidelines of OET-69, the analysis is described as follows:

The proposed and affected stations were analyzed using an automated "flr" program called "tv\_process" using a Sun Microsystems UltraSparc II SunBlade computer under Solaris 8 UNIX. The program is the exact Fortran code developed by the FCC for their Longley-Rice analysis, with modifications made to the population data section to properly read the data files. This modification has been submitted to and is known by the FCC OET.

Analyses were performed, known as a "before" analysis, including all of the other full power NTSC and DTV stations, but without the proposed station, to establish interference baselines with which to compare the proposed station's interference. Then, "after" analyses were done with the combination of all of the full power NTSC and DTV stations, along with the proposed station, and the result of these were then compared to determine if there would be additional interference caused.

Under this analysis, the results indicate no additional population interference percentage to any of the affected stations.

The affected stations, with their "before" and "after" results, are as follows:

WMGT DT Macon, GA

Before:

Results for: 40A GA MACON	DTVPLN	DTVP1060	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	429086	12926.4	
not affected by terrain losses	429069	12918.4	
lost to NTSC IX	46	16.1	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	0	0.0	
lost to all IX	46	16.1	
Interference%			0.0107%

After:

Results for: 40A GA MACON	DTVPLN	DTVP1060	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	429086	12926.4	
not affected by terrain losses	429069	12918.4	
lost to NTSC IX	83	28.1	
lost to additional IX by ATV	0	0.0	
lost to ATV IX only	0	0.0	
lost to all IX	83	28.1	
Interference%			0.019%
Result:			0.0%

### WDSI TV Chattanooga TN:

Before:

Results for: 40A TN CHATTANOOGA	DTVPLN	DTVP1081	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	910867	22948.7	
not affected by terrain losses	825210	18996.4	
lost to NTSC IX	24811	1069.2	
lost to additional IX by ATV	372	24.0	
lost to ATV IX only	601	44.0	
lost to all IX	25183	1093.2	
Interference%			3.05%

After:

Results for: 40A TN CHATTANOOGA	DTVPLN	DTVP1081	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	910867	22948.7	
not affected by terrain losses	825210	18996.4	
lost to NTSC IX	25868	1121.2	
lost to additional IX by ATV	327	16.0	
lost to ATV IX only	601	44.0	
lost to all IX	26195	1137.2	
Interference%			3.05%
Result:			0.0%

### WATC DT Atlanta GA

Before:

Results for: 41A GA ATLANTA	DTVPLN	DTVP1095	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2923055	16462.2	
not affected by terrain losses	2910701	15949.8	
lost to NTSC IX	13334	332.3	
lost to additional IX by ATV	8322	296.3	
lost to ATV IX only	15205	448.4	
lost to all IX	21656	628.5	
Interference%			0.744%

After:

Results for: 41A GA ATLANTA	DTVPLN	DTVP1095	PLN
	POPULATION	AREA (sq km)	
within Noise Limited Contour	2923024	16462.2	
not affected by terrain losses	2910670	15949.8	
lost to NTSC IX	13334	332.3	
lost to additional IX by ATV	8322	296.3	
lost to ATV IX only	15205	448.4	
lost to all IX	21656	628.5	
Interference%			0.744%

Results:

0.0%

### WJSU TV 40 Anniston AL

Before:

Results for: 40N AL ANNISTON	BLCT	19971009KE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1423249	26315.0	
not affected by terrain losses	1380836	23770.4	
lost to NTSC IX	175161	2294.9	
lost to additional IX by ATV	11761	386.5	
lost to all IX	186922	2681.4	
Interference%			13.536%

After:

Results for: 40N AL ANNISTON	BLCT	19971009KE	LIC
	POPULATION	AREA (sq km)	
within Noise Limited Contour	1423249	26315.0	
not affected by terrain losses	1380836	23770.4	
lost to NTSC IX	175371	2355.3	
lost to additional IX by ATV	11633	350.3	
lost to all IX	187004	2705.6	
Interference%			13.542%

Result:

0.0%

### WSB DT 39 Atlanta GA

Before:

Results for: 39A GA ATLANTA	DTVPLN	DTVP1027	PLN
HAAT 316.0 m, ATV ERP 1000.0 kW			
	POPULATION	AREA (sq km)	
within Noise Limited Contour	3599627	35064.3	
not affected by terrain losses	3539922	32790.2	
lost to NTSC IX	16340	450.0	
lost to additional IX by ATV	4542	293.3	
lost to ATV IX only	5727	369.6	
lost to all IX	20882	743.3	
Interference %			0.589%

After:

Results for: 39A GA ATLANTA                      DTVPLN      DTVP1027      PLN  
HAAT 316.0 m, ATV ERP 1000.0 kW

	POPULATION	AREA (sq km)
within Noise Limited Contour	3599627	35064.3
not affected by terrain losses	3539922	32790.2
lost to NTSC IX	16340	450.0
lost to additional IX by ATV	4542	293.3
lost to ATV IX only	5727	369.6
lost to all IX	20882	743.3

Interference %    0.589%

Results:    0.0%

WFBC TV 40 Anderson SC

Before:

Results for: 40N SC ANDERSON                      BPCT      19960621KM      CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	1231345	21917.3
not affected by terrain losses	1170525	20886.1
lost to NTSC IX	38886	1297.1
lost to additional IX by ATV	3445	169.2
lost to all IX	42331	1466.3

Interference %    3.616%

After:

Results for: 40N SC ANDERSON                      BPCT      19960621KM      CP

	POPULATION	AREA (sq km)
within Noise Limited Contour	1231345	21917.3
not affected by terrain losses	1170525	20886.1
lost to NTSC IX	38886	1297.1
lost to additional IX by ATV	3445	169.2
lost to all IX	42331	1466.3

Interference%    3.616%

Results:    0.0%

According to the analyses, no additional interference is proposed to be created by the modification to WIRE-CA, therefore, this application should be granted.

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