TERRAIN EXHIBIT

From the proposed transmitter location of WTWP(FM) coverage to the community of license (City of Manassas) will be achieved by use of actual terrain. The use of standard allocation presumption of uniform terrain (circle method) will not result in 100% coverage of the City of Manassas. However, under the policies established in Woodstock and Broadway, Virginia, 3 FCC Rcd 6398 (1988) coverage (100%) to the City of Manassas is achieved.

Under the Woodstock exception, a proponent must provide terrain depictions in the direction on the city to be served, demonstrate reasonable assurance of site availability for the proposed transmitter site, and FAA approval of the proposed antenna structure. The applicant proposes to use the existing transmitter location of WTWP(FM) for the allotment reference point, reasonable assurance and FAA approval have been obtained.

The HAAT terrain profiles in the direction of City of Manassas were calculated for a radiation center above mean sea level of 357 meters, the current location of the WTWP(FM) antenna. The HAAT terrain profiles are as follows:

(Every 1 degree)

82.0°	219.6 meters
83.0°	219.9 meters
84.0°	219.6 meters
85.0°	219.3 meters
86.0°	219.7 meters
87.0°	220.4 meters
88.0°	221.3 meters
89.0°	222.1 meters
90.0°	222.9 meters
91.0°	223.5 meters
92.0°	224.0 meters
93.0°	224.5 meters
94.0°	225.4 meters
95.0°	226.8 meters
96.0°	228.0 meters

The actual terrain (HAAT) in the direction of the City of Manassas differs from the standard (HAAT). The standard HAAT values to achieve the current licensed HAAT of 197 meters for WTWP(FM) are:

0.0°	139.0 meters
45.0°	176.6 meters
90.0°	222.9 meters
135.0°	218.6 meters
180.0°	228.1 meters
225.0°	215.1 meters
270.0°	208.0 meters
315.0°	150.4 meters

As can clearly be seen, the actual terrain in the direction of the City of Manassas is an improved condition. The City of Manassas will have 100% city grade coverage based on the use of actual terrain. See coverage map exhibit which depicts both the standard presumption of uniform terrain (circle method) and coverage based on actual terrain.