

Engineering Statement

In Support of an Application for a Construction Permit WWIZ, Mercer, PA

WWIZ Class A Contour Comparison Study

Proposed Facility (3.2 kW at 139.0 meters HAAT)

<u>Azimuth</u>	Terrain Average		Radiation	Distance to
	<u>Meters AMSL</u>	<u>Meters HAAT</u>	Center	F(50,50)
0.0	317.5	147.5		29.1
45.0	321.4	143.6		28.7
90.0	362.5	102.5		24.9
135.0	338.3	126.7		27.2
180.0	307.8	157.2		30.0
225.0	303.9	161.1		30.3
270.0	324.4	140.6		28.5
315.0	332.6	132.4		27.7
Average:	326.1	139.0		28.3

Maximum Class A (6.0 kW at 100.0 meters HAAT)

<u>Azimuth</u>	Terrain Average		Radiation	Distance to
	<u>Meters AMSL</u>	<u>Meters HAAT</u>	Center	F(50,50)
0.0	317.5	108.5		29.4
45.0	321.4	104.6		28.9
90.0	362.5	63.5		23.0
135.0	338.3	87.7		26.6
180.0	307.8	118.2		30.5
225.0	303.9	122.1		31.0
270.0	324.4	101.6		28.5
315.0	332.6	93.4		27.4
Average:	326.1	100.0		28.2