

Engineering Statement

In Support of an Application for a Construction Permit WDAI, Pawley's Island, SC

WDAI Class C3 Contour Comparison Study

Proposed Facility (10.0 kW at 156.9 meters HAAT)

<u>Azimuth</u>	Terrain Average		Radiation	Distance to
	<u>Meters</u>	<u>AMSL</u>	Center	<u>F(50,50)</u>
			<u>Meters HAAT</u>	<u>60 dBu</u>
0.0		0.8	157.7	39.2
45.0		3.8	154.7	38.8
90.0		0.5	158.0	39.2
135.0		0.1	158.4	39.2
180.0		0.5	158.0	39.2
225.0		0.7	157.8	39.2
270.0		3.2	155.3	38.9
315.0		3.4	155.1	38.8
Average:		1.6	156.9	39.1

Maximum Class C3 (25.0 kW at 100.0 meters HAAT)

<u>Azimuth</u>	Terrain Average		Radiation	Distance to
	<u>Meters</u>	<u>AMSL</u>	Center	<u>F(50,50)</u>
			<u>Meters HAAT</u>	<u>60 dBu</u>
0.0		0.8	100.8	39.2
45.0		3.8	97.8	38.7
90.0		0.5	101.1	39.3
135.0		0.1	101.5	39.3
180.0		0.5	101.1	39.3
225.0		0.7	100.9	39.2
270.0		3.2	98.4	38.8
315.0		3.4	98.2	38.8
Average:		1.6	100.0	39.1