

ENVIRONMENTAL ASSESSMENT
WGSC-CD CH 8 MINOR CHANGE
REDUCE RC AMSL FROM 256 M AMSL TO 188 M AMSL
INCREASE ERP FROM 80 WATTS TO 140 WATTS
NO CHANGE IN HORIZONTAL PLANE RADIATION PATTERN
MAINTAIN CONTOUR FULLY INSIDE LICENSED CONTOUR
MURRELLS INLET, SOUTH CAROLINA
APRIL 2015

THE PROPOSED ANTENNA SYSTEM CONSISTS OF A KATHREIN/SCALA MODEL DRV CUSTOM PANEL ARRAY, 2 BAY, HORIZONTALLY POLARIZED, CH 8 TV ANTENNA WITH A RADIATION CENTER 181.9 METERS ABOVE GROUND. UTILIZING FORMULA 10 OF OET BULLETIN NO. 65, EDITION 97-01, A WORST CASE VALUE F OF 1.0 HAS BEEN USED TO CALCULATE THE POWER DENSITY 2 METERS ABOVE GROUND. THE MAXIMUM CALCULATED POWER DENSITY IS 0.1445 UW/CM SQUARED FOR AN ERP OF 0.14 KW H. POLARIZATION. THIS VALUE IS 0.0722 % OF THE ALLOWABLE 200 UW/CM SQUARED POWER DENSITY FOR UNCONTROLLED ENVIRONMENTS. BASED ON THIS ANALYSIS IT IS BELIEVED THAT THE PROPOSED FACILITY IS IN COMPLIANCE WITH OET-65 GUIDELINES.

THE APPLICANT WILL REDUCE POWER, OR CEASE, TRANSMISSION AS REQUIRED TO MEET FCC OET-65 GUIDELINES FOR WORKER EXPOSURE.

THE PROPOSED TOWER SITE IS EXISTING, ACCESS, POWER AND TRANSMITTER BUILDING ARE EXISTING.