

**WGSC-CD/WGSI-CD SHARE CH 8 DTV MURRELLS INLET, SOUTH CAROLINA  
TRANSMITTER POWER OUTPUT CALCULATION AGAINST CP FILE 0000035742  
PREPARED APRIL 17, 2018**

THE WGSC-CD/WGSI-CD TRANSMITTER POWER OUTPUT HAS BEEN CALCULATED AS SHOWN BELOW:

ERP:	2.25 kW	3.52 dBk
ANTENNA:	PSI/ALDENA VHF HI BAND LOG PERIODIC ARRAY	
GAIN:	7.88 dB	
LINE LOSS:	2.45 dB	
DIELECTRIC POWER LITE 6 POLE MASK FILTER 1.5 kW:	0.5 dB	
SYSTEM GAIN:	4.93 dB	3.11 Power gain
TPO:	0.72 kW	-1.43 dBk

The DTV transmitter power output (TPO) has been set to the correct value indicated above and the DTV transmission system is believed to be operating in accordance with applicable FCC technical requirements.