

**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.