

## CoolPlay 1670 DVM Transmitter FCC Certification Application

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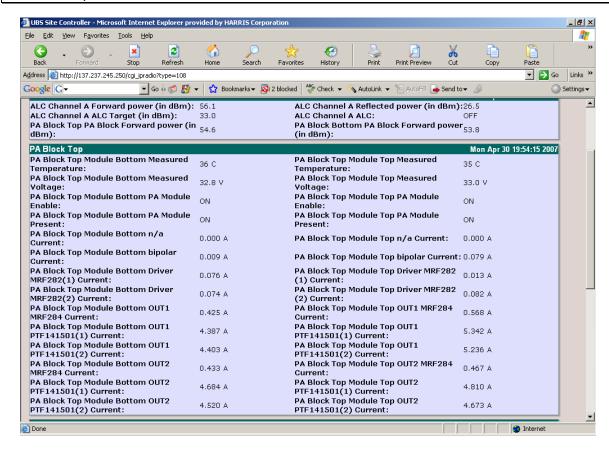
## **Application for Equipment Certification**

## **EXHIBIT J** DC Voltages and Currents of Final Amplifier

## 2.1033 (c) (8) Final amplifier DC voltages & currents

The dc voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range.

The DVM400 transmitter uses four solid state power amplifiers per cabinet. The operating RF output power per amplifier is ~250W. The voltages and currents for one Power Amplifier Block on the DVM400 is shown below,



A display screen from the transmitter has been captured to show the required data. The supply voltage and the currents of all RF stages are shown.

From this data, it may be seen that the supply voltage of this PA module is 32.8V.

The total PA module current for this module is the sum of the currents, which is about 20.2A. The total Power Amplifier Block would be about 40.4A.