

From: Tom Bennington

To: Doug Young

Date: May 03, 2002

Subject:

Request for Info - STA File # 0174-EX-ST-2002- Reply

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Message:

1. You have no bandwidth or emission data for your 300 - 1000 MHz signal on the first antenna. Is it the same info as the same frequency on then second antenna?

The bandwidth will be 1kHz due to the 1kHz 80%AM Modulation

2. You have listed a transmitter output power of 100 W and an ERP of 2 W. This seems strange. Please explain.

The amplifier that I am using is capable of 100 Watts of CW power over the frequency range of 10kHz to 1GHz. The maximum power that I will be outputting will be 18 W peak, 5W ave. The output will be steeped in 1% increment with a 1 sec dwell time at each frequency over each antennas frequency range. The output level and frequency will be controlled by computer using data gathered using a 10V/m reference with a 1m spacing in an a anechoic chamber.