

From: Ryan Terry

To: Doug Young

Date: March 14, 2006

Subject:

Request for info - File #0318-EX-PL-2005

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Message:

The reason we have a 20 MHz bandwidth for an unmodulated emission is that most of the time that the system is active (which is intermittent) the transmission really is unmodulated and is therefore just a tone, but some of the time it is modulated with a 10 MHz data stream, hence the main lobe is ~20 MHz; however, even when modulated, because we are using a very low modulation depth (~10%) the transmitted signal still appears tone-like with the modulation lobes significantly below the level of the carrier. Thus specifying 20MONON seemed the best compromise.