From: Ryan Peterson

To: Doug Young
Date: November 01, 2013

Subject: Request for Info - File #0337-EX-PL-2013

Message:

Doug,

I agree that the Q3N emission designator is more appropriate, I will update my application to reflect that.

Regarding bandwidth, I intended to use a linear chirp that sweeps over the entire bandwidth allotted during each radar pulse. The instantaneous bandwidth of the waveform is 0 Hz (CW), but over the entire pulse, the waveform will occupy the entire 105 or 90 MHz. Thus, I think it makes sense to keep the bandwidths 105M and 90M.

On item 2, I understand that there are could be many bands that our radar system would not be allowed to operate over (FAA frequencies, for example). Our radar is able to remove these frequencies from the linear FM waveform. Waveform generation is done using an arbitrary waveform generator, so there is no restriction to the number or size of the bands that need to be removed.

Ryan