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Re: FCC ID	H25PB3
Applicant	DTC
Correspondance Reference #	7895
731 Confirmation Number:	EA93405
Date of Original E-Mail query	05/21/1999

This letter is to inform the FCC that DTC incorrectly filed out the Form 731 in regard to the requested modulation limits under 90.209.

- 1) The PB-1 beacon transmits four low duty cycle unmodulated CW pulses in the first of its two modes. The second "Alarm" mode is single-tone FM modulated pulses at a 50% duty. Deviation is set with a potentiometer control. The duty cycle and pulse characteristics are detailed in the operational description under "PB-3 TIMING DIAGRAM". Using the general FM formula $2M + 2DK$ $K=1$ formula of 2.202 and 2.201 and considering the single-tone 1000Hz modulation and 4.5 kHz deviation, the occupied BW would equal 11.0kHz which is less than the limit of 11.25 kHz.
- 2) The corrected, requested signal bandwidth is 11.2 kHz and the emissions designator should be amended on the 731 form to read: 11K0F3W per 90.209.
- 3) The rated frequency tolerance is 0.0005% or 5 ppm, not 50 ppm. The unit meets this tighter tolerance per the data. See 90.213

Best Regards,

Michael J. Murphy
RF/ Video Engineer
DTC