Dear Mr. Chang,

This application is for an airborne weather radar whose magnetron produces a pulse of 10 KWatts peak for 2.35 uSec at a 249 Hz rate. There is no additional modulation of the transmitted signal. The radar determines the distance to weather by measuring the time it takes for reflections to return to the radar. As per part 2.201 I chose the emission designator as "PON" and it was arrived at as follows. The first symbol represents the type of modulation of the main carrier. In this case I chose "P" since the radar output is a sequence of unmodulated pulses. The second symbol represents the nature of the signal modulating the main carrier. In this case I chose "0" since there is no modulating signal. The third symbol represents the type of information transmitted. In this case I chose "N" since there is no information being transmitted.

Sincerely,
George Rufle