

### **Exhibit 3 Modulating Signal Details**

This radar system operates with interleaved short and long range pulses while frequency hopping through 16 channels. The Next Generation Surface Movement Radar or NG SMRi operates using interleaved short and long range pulses with a peak power of less than 200W. The short range pulse is a simple CW pulse that is 40 ns wide. The long range pulse is a 50 MHz LFM that is 4  $\mu$ sec wide. These are the same pulses that have been used for more than a decade for Surface Movement Radar applications. Sensis and now Saab Sensis has worked with the FAA through several programs including ASDE-X to optimize the performance of these radars. The development of the NG SMRi provides a low cost option for smaller airports in markets throughout the world.