

Exhibit 3 – Modulating Signal Description

The system will use simple CW pulses as short as $1\ \mu\text{s}$ along with linear frequency modulated (LFM) pulses with pulse widths from $4\ \mu\text{s}$ to $32\ \mu\text{s}$. The rise and fall times of all of these pulses will be in the range of $10\ \text{ns}$ to $25\ \text{ns}$ and the LFM excursion rates are all in the $4.4\ \text{MHz}$ to $5.0\ \text{MHz}$ range.