

EXHIBIT 1: Particulars of Operation, from FCC form 442, item 4

Two waveforms will be used interchangeably during the experiment's flight tests. The first will be a linear 6 MHz chirp(FM) pulse centered at 435 MHz. The second will be a pseudo random phase stepping of a 435 MHz pulse train. The emission type for the chirp waveform is Q3N and M1N for the phase stepped pulse train. For each waveform type the pulse repetition frequency will be nominally 1 KHz, and the pulse length will nominally be 100 microseconds. The phase stepping of the PN waveform will occur at a nominal 167 nanosecond chip rate and will have 256 distinct phases.