## **UNCLASSIFIED**

Uploaded a few different version of the scenario broken out by type:

Binary, "MkN" scenario files: .scn, .sc1, .sc2 & .sc3
ASCII Conversion files (emitter, header, platform & script): .emt, .hdr, .plt & .scr
An exported XML Version: .xml (this version seemed most easily readable and can be directly opened in our current version of CEESIM (using the "import" option rather than "open" for the .scn))

I've also added a 5th mode to Kevin's build that required the use of multiple generators, this is something that we'll run in to a lot and is a major diversion in how A2PATS and CEESIM operate. This mode emulates an Airborne Intercept by interleaving HPRF D&S Search w/ 13-Bit BPSK with Track, both utilizing 3-Stage FMR sweeps. Search Scan is a 4B/4L Electronic Raster w/ steady stare interrupt for track every "frame". The 4th mode had to be altered on CEESIM due to the way each simulator has to be programmed to use FSK, it appears to be a pretty direct option in A2PATS whereas CEESIM needs to program each "bit" in sequence for any RF its on. And with the RF varying faster than that of the groups (and bits) that was going to require a lot of tedious work to emulate and wouldn't accurately emulate FSK/MG behavior (it wouldn't switch carrier RF mid code). So I made the mode switch RF each pulse group, still using the x5 x20 and x10 repetitions that Kevin programmed and the 10 discrete RF channels noted.