

~~Top Secret~~

Memorandum to C-14 NSA Ray Potts.  
From NRL Code 5435 R.D. Mayo  
Subj: Design details on Mission 7105, further resolution of.

NRL has been actively engaged in the design work for the R & D experiments proposed to be flown on 7105A and 7105B, i.e. the

At this time it is evident that without excessive hardware considerations, it ~~is~~ should be possible to provide

by using a Ten-bit binary word. With present information this word length would require in excess of 2500 microseconds thus limiting the maximum PRF to about 400 pulses per second.

It is the present intention to utilize only the 4-bit binary word description of the which limits PRF to about <sup>1000</sup> pulses persecond. By using a diode matrix, fifteen discrete (bins) will be selected so that the fifteen levels capable of being portrayed by the 4-bit binary language are provided. We must be given these fifteen ranges and the tolerances which will be of greatest benefit to the data processor.

Handle via BYEMAN control system only

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