

Little Bird SNRD test (Mesa, Az)

- Tunable, 460 - 470 MHz
- Tuning steps 0.050 MHz
- Programmable, synthesized tuning
- Fixed radio at ground station, mobile radio on aircraft
- Packet radio - pulse emission
- Pulse length approximately 100 milliseconds
- Pulse repetition rate once per second
- Operational use ground to air, and potentially air to ground
- Emission bandwidth approximately 0.005 MHz
- Transmit power approximately 25 watts with 13.8 volts power supply
- Nomenclature: SNRDS (Synthesized Netlink Radio Data System)
- Aircraft antenna (vertically polarized 0 db omni shark fin), Gnd Antenna 3.5 db vertically polarized YAGI
- Receive sensitivity (air and ground radio) approximately -110 dbm
- ULB DGPS RTK uplink data, and possibly redundant aircraft position for tracking over air ground down link