

Submitted by
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1. The license is required for GAPS testing. GAPS is used in support of commercial airplane community noise testing. In this type of testing the test airplane flies simulated takeoff and approach conditions over a microphone array. These noise tests usually last for few hours per day over a period of one to two weeks. Boeing only conducts this type of testing once every year or so.

GAPS provides precise three-dimensional airplane position information during these noise tests. The GAPS VHF radio datalink sends differential GPS corrections data from the GAPS Reference Station to the GAPS Airborne Station. Corrections are sent twice per second during airplane testing.

2. The technical data is provided below.

Locations:

Victorville, CA 34-35-51N 117-22-59W

Roswell, NM 33-18-07N 104-32-17W

Radio Description:

- Manufacturer: GLB Electronics
- Radio Type: Synthesized Netlink Radio Data System (SNRDS) VHF transmitter
- Encoding: FSK-type modem, operating at 9600 baud, and a Forward Error Correction (FEC) encoder.
- Bandwidth: 12.5 KHz
- Output Power: 10W
- Emission: 12K5M2D
- Frequency of Operation – 113.275 MHz
 - o FAA Coordination:
 - NG T130132 113.275 MHz Victorville, CA
 - NG T130170 113.275 MHz Roswell, NM
- Stop Buzzer: Chris Hunting 253-508-1459