

0137-EX-ST-2000



# ADVANCED NAVIGATION & POSITIONING CORP.

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Federal Communications Commission  
Experimental Radio Service  
PO Box 358320  
Pittsburgh, PA 1521-5320

ANPC, under FAA contract (contract number DTFA01-99-C-00054) continues to test and evaluate the Transponder Landing System as part of the system approval process. The system at Batesville, IN provides a customer site data source which is valuable to review of system performance. Currently, the system is operating under authorization provided by an STA dated 2/9/00 (File #: 0046-EX-ST-2000; Call Sign: WA9XGE; expires 8/9/00). Due to an updated analysis of the output EIRP, and analysis work by the FAA spectrum management office, ANPC is requesting changes to the authorized power levels per the information below. If a new STA is required, we request that it extend for a 180 day period to allow continued system testing. Attached is a copy of the current STA. All special conditions on the current STA are still applicable.

Antenna patterns have been submitted with the previous request that led to the current STA, and are therefore not included herein. If more technical information is required, please call ANPC customer services manager Fred Conn at (541) 386-1747.

The following is a summary of the frequency use request:

|                            |                   |                     |                 |
|----------------------------|-------------------|---------------------|-----------------|
| Location of Station:       | Batesville, IN    | NL 39° 20' 56"      | WL 85° 15' 28"  |
| Runway heading 36          |                   |                     |                 |
| Frequency                  | Power (EIRP, dBm) | Emission Designator | Signal Name     |
| 108.35                     | 32                | 6K00A9W             | Localizer       |
| 333.95                     | 40                | 300HA1N             | Glide Slope     |
| 1030.0                     | 62.3              | 6M00M1D             | Interrogation   |
| 1090.0                     | 40.3              | 6M00M1D             | AOA Calibration |
| Runway heading 18          |                   |                     |                 |
| Frequency                  | Power (EIRP, dBm) | Emission Designator | Signal Name     |
| XXX.XX(assigned ILS freq.) | 32                | 6K00A9W             | Localizer       |
| YYY.YY(assigned ILS freq.) | 40                | 300HA1N             | Glide Slope     |
| 1030.0                     | 62.3              | 6M00M1D             | Interrogation   |
| 1090.0                     | 46.3              | 6M00M1D             | AOA Calibration |

Thank you for your time and attention in this matter.

Sincerely,

Mark Zanmiller  
Director, hardware engineering

ANPC-20066-FC-MZ