



U.S. Department  
of Transportation  
**Federal Aviation  
Administration**

OCT 14 2016

800 Independence Ave., S.W.  
Washington, D.C. 20591

Mr. Andy Leimer  
Federal Communications Commission  
7435 Oakland Mills Road  
Columbia, MD 21046

Dear Mr. Leimer:

The Federal Aviation Administration (FAA) has reviewed the Federal Communications Commission (FCC) Notifications of Authorization Request from EMI, Inc., and uAvionix, Inc., dated October 2, 2016, for the uAvionix, Inc. Mode S Transponder to be utilized in the Unmanned Aircraft Systems (UAS) and General Aviation Aircraft, operating in the United States, with FCC Grantee Code of 2AFFT and model #P200S. The FAA Spectrum Engineering Services Group has no objection to a grant of the equipment certification by the FCC for the uAvionix, Inc. and General Aviation aircraft in the National Airspace System.

The applicant should be aware of:

- 1) Use of Mode S radios will only be authorized for use on UAS that operate above 500 feet AGL in compliance with existing Title 14 Code of Federal Regulations Part 91 operations as modified for UAS. Use of this equipment for operation below 500 feet AGL will not be authorized.
- 2) If FAA determines that the aircraft requires Certification due to its operational risks, then the equipment will need to either be certified via the FAA Type Certification process or the Technical Standards Order (TSO) process. For equipment intended to be installed on many different aircraft, the TSO process is more efficient. Both process are similar, they both require an FAA production and design approval.

If you require any additional information, please contact Ms. Annette Allender, Electronics Engineer, Spectrum Planning and International Team, at (202) 267-3893 or via e-mail [annette.allender@faa.gov](mailto:annette.allender@faa.gov).

Sincerely,

Michael Richmond  
Acting Manager, Spectrum Planning  
and International Team

cc:

EMI, Inc.  
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