

Federal Communications Commission

§ 87.285

§87.261(a) above. Such secondary administrative communications must directly relate to the business of a participating aircraft operator in providing travel and transportation services to the flying public or to the travel, transportation or scheduling activities of the aircraft operator itself. Stations transmitting administrative communications must provide absolute priority for operational control and other safety communications by means of an automatic priority control system.

[54 FR 11721, Mar. 22, 1989]

AERONAUTICAL FIXED STATIONS

§ 87.275 Scope of service.

Aeronautical fixed stations provide non-public point-to-point communications service pertaining to safety, regularity and economy of flight. These stations must transmit, without discrimination, messages from aircraft which have entered into cooperative arrangements governing the operation and maintenance of such stations. Aeronautical fixed station licensees are required to transmit, without charge or discrimination, all emergency communications.

§ 87.277 Supplemental eligibility.

Aeronautical fixed station licenses will only be issued to the licensees of associated aeronautical enroute stations. Aeronautical fixed station licenses will not be issued where adequate land line facilities are available.

§ 87.279 Frequencies.

(a) *United States (except Alaska)*. The applicant must request specific frequencies in accordance with §2.106 of this chapter. The Commission will determine the suitability of the applicant's selection based on the probability of interference to and from existing services assigned on the same or adjacent frequencies. All new assignments of frequencies will be subject to such conditions as may be required to minimize the possibility of harmful interference to existing services.

(b) *Alaska*. (1) Only stations which serve scheduled air carriers will be licensed. Applicants must show that the station will provide communications

only along routes served by the scheduled operations of such carriers.

(2) The following frequencies are available in Alaska. These frequencies will only be licensed in conjunction with licenses for use of the aeronautical enroute frequencies specified in §87.263(c).

	KHz
2648.0	5310.0
4645.0	5887.5
4947.5	8015.0
5122.5	

(c) *Gulf of Mexico*. In addition to the provisions of paragraph (a) of this section, the frequencies 4550.0 and 5036.0 kHz are available in the Gulf of Mexico.

AIRCRAFT DATA LINK LAND TEST STATIONS

§ 87.285 Scope of service.

The frequencies indicated in §87.287 of this chapter may be used to test aircraft data link systems on a secondary basis to other licensed stations. Equipment must be designed so that it will engage in data link exchange only with the aircraft whose identification has been programmed into the device, and must comply with the applicable specifications for VDL Mode 2 operation set forth in the ICAO "Manual on VHF Digital Link (VDL) Mode 2" First Edition-2001, and RTCA DO-281A," Minimum Operational Performance Standards for Aircraft VDL Mode 2 Physical, Link and Network Layer", November 8, 2005. These documents are incorporated by reference in accordance with 5 U.S.C. 552(a), and 1 CFR part 51 and approved by the Director of the Federal Register. The RTCA document is available and may be obtained from RTCA, Inc., 1828 L Street NW., Suite 805, Washington, DC 20036 and by email to info@rtca.org or go to <http://RTCA.org>. The ICAO document is available and may be obtained from the ICAO, Customer Services Unit, 999 University Street, Montréal, Quebec H3C 5H7, Canada, by email to icaoHQ@icao.int or go to: <http://www.ICAO.int>. You may inspect a copy at the Federal Communications Commission, 445 12th Street SW., Washington, DC 20554, or at the

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National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

[78 FR 61207, Oct. 3, 2013]

§ 87.287 Frequencies.

(a) The frequencies assignable to aircraft data link land test stations are 131.450 MHz, 131.550 MHz, 131.725 MHz, 131.825 MHz, 136.850 MHz, 136.900 MHz, 136.925 MHz, 136.950 MHz, and 136.975 MHz. Interstitial frequencies separated by 8.33 kilohertz from these frequencies may also be assigned.

(b) Before submitting an application for an aircraft data link land test station, an applicant must obtain written permission from the licensee of the aeronautical enroute stations serving the areas in which the aircraft data link land test station will operate on a co-channel basis. The Commission may request an applicant to provide documentation as to this fact.

[78 FR 61207, Oct. 3, 2013]

Subpart J—Flight Test Stations

§ 87.299 Scope of service.

The use of flight test stations is restricted to the transmission of necessary information or instructions relating directly to tests of aircraft or components thereof.

§ 87.301 Supplemental eligibility.

(a) The following entities are eligible for flight test station licenses:

- (1) Manufacturers of aircraft or major aircraft components;
- (2) A parent corporation or its subsidiary if either corporation is a manufacturer of aircraft or major aircraft components; or
- (3) Educational institutions and persons primarily engaged in the design, development, modification, and flight test evaluation of aircraft or major aircraft components.

(b) Each application must include a certification sufficient to establish the

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applicant’s eligibility under the criteria in paragraph (a) of this section.

[53 FR 28940, Aug. 1, 1988, as amended at 63 FR 68957, Dec. 14, 1998]

§ 87.303 Frequencies.

(a) These frequencies are available for assignment to flight test land and aircraft stations:

3281.0 ¹	123.175 ²	123.225 ³	123.400 ²
	123.200 ³	123.375 ³	123.450 ³

(b) These additional frequencies are available for assignment only to flight test stations of aircraft manufacturers:

MHz	MHz	MHz	MHz
123.125 ²	123.275 ³	123.425 ³	123.550 ³
123.150 ²	123.325 ³	123.475 ³	123.575 ²
123.250 ³	123.350 ³	123.525 ³	

¹When R3E, H3E or J3E emission is used, the assigned frequency will be 3282.4 kHz (3281.0 kHz carrier frequency).

²This frequency is available only to itinerant stations that have a requirement to be periodically transferred to various locations.

³Mobile station operations on these frequencies are limited to an area within 320 km (200 mi) of an associated flight test land station.

(c) These frequencies are available for equipment test, emergency and backup use with aircraft beyond the range of VHF propagation. Either H2B, J3E, J7B or J9W emission may be used. Frequencies (carrier) available kHz:

kHz	
2851.0	8822.0
3004.0	10045.0
3443.0	11288.0
5451.0	11306.0
5469.0	13312.0
5571.0	17964.0
6550.0	21931.0

(d) Aeronautical mobile telemetry (AMT) operations are conducted in the 1435–1525 MHz, 2345–2395 MHz, and 5091–5150 MHz bands on a co-equal basis with U.S. Government stations.

(1) Frequencies in the 1435–1525 MHz and 2360–2395 MHz bands are assigned in the mobile service primarily for aeronautical telemetry and associated telecommand operations for flight testing of aircraft and missiles, or their major components. Until January 1, 2020, the 2345–2360 MHz band is also available to licensees holding a valid authorization on April 23, 2015 for these purposes on a secondary basis. Permissible uses of these bands include telemetry and associated telecommand operations associated with the launching and reentry