



Federal Communications Commission
Office of Engineering and Technology

Subject: Jet Works Air Center application Request for Experimental Special Temporary
Authorization
File Number 0685-EX-ST-2011

Dear Sir, Madam

Jet Works Air Center located at Denton Airport in Denton, Texas is an aircraft modification and service center for Business and Military aircraft. Jet Works Air Center is registered with the Federal Communications Commission under FCC Registration Number 0021263603.

The purpose of the application for Experimental Special Temporary Authorization is to obtain temporary authority to perform required testing on aircraft installations performed. Aircraft were modified with a Wi-Fi Hot-spot installed in the aircraft and interfaced with aircraft communication systems. The Hot-spot allows for the use of portable carry-on devices such as laptops, blackberry, I-PAD etc. on board the aircraft to communicate wirelessly with the on-board aircraft communication systems. The Federal Aviation certification authorities has required testing of the Wi-Fi system to evaluate that the installation and portable devices do not interfere with any aircraft systems and does not pose a threat to aircraft safety. The tests will be performed on the aircraft and consists of simulating the RF transmission of the 802.11 b/g/n 2.4 GHz and 802.11 a/n 5 GHz frequency range from an Omni-directional Dual Band antenna with a maximum power of 4 watts being transmitted. The RF transmissions Bandwidth will be 20 MHz and frequency tolerance of +/- 10 ppm (.001%). Please contact me for questions or comments.

Regards,

Ervin Rusnak
Director of Avionics

Jet Works Air Center
5035 Warbird Drive | Denton, TX 76207 | 940.323.8700 | 972.757.2941 (cell) | 940.591.9767 (fax)

*5035 Warbird Drive • Denton, Texas 76207
Ph: (940) 323-8700 • Fax: (940) 591-9767
CRS JW0R647N*