



Aviation Spectrum Resources Inc. ♦ 180 Admiral Cochrane Drive ♦ Suite 300 ♦ Annapolis, MD 21401  
Phone: 410-266-6030 ♦ Fax: 443-951-0349 ♦ <http://www.asri.aero>

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September 21, 2017

Mr. Allen Lindsay  
The Boeing Company  
US Spectrum Management  
Seattle, WA 98124-2207

Dear Mr. Lindsay;

Aviation Spectrum Resources Inc. (ASRI) concurs with the request by The Boeing Company to renew experimental license, subject to the conditions described below, under FCC call sign WE2XUI for developmental testing of VHF and HF datalink radio equipment.

**Transmitter location:**

The Boeing Company  
Seattle, (King County) WA 98108  
Coordinates: 47-32-05 N / 122 19 05 W (NAD 83)

**VHF Frequencies (MHz):**

131.550, 131.725 and 136.850 MHz (ACARS - emission 13K0A2D)  
136.975 MHz (VDL Mode 2 - emission 14K0G1D)

**HF Frequencies (kHz)**

All under the emission 2K80J2D

2851.0	4672.0	5562.0	6652.0	11288.0	17934.0
2878.0	4687.0	5610.0	6661.0	11306.0	21928.0
2944.0	5451.0	5652.0	8831.0	11315.0	21931.0
2947.0	5463.0	5659.0	8885.0	11327.0	21934.0
2992.0	5469.0	5661.0	8912.0	11348.0	21937.0
2994.0	5508.0	6538.0	8927.0	11354.0	21985.0
2995.0	5514.0	6550.0	8936.0	11387.0	
3001.0	5523.0	6559.0	10027.0	13276.0	
3007.0	5529.0	6565.0	10081.0	13312.0	
3019.0	5538.0	6634.0	10084.0	13339.0	
4654.0	5544.0	6646.0	10093.0	17919.0	

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ASRI concurs with use the specified frequencies by the Boeing Company with the following conditions:

- All emissions on 131.550, 131.725, 136.850, and 136.975 MHz are limited to 25 Watts EIRP for the 25 kHz channels.
- All emissions in the HF frequency range are limited to datalink 2K80J2D emissions, voice 2K80J2E emissions are not permitted.
- There shall not be any harmful interference, or unnecessary traffic with detrimental performance effects, to existing datalink networks or adjacent frequency voice users because of this concurrence.
- Radios operated on the above frequencies shall only connect to existing datalink networks operated by currently licensed VHF and HF service providers, the Boeing Company may not create or operate its own independent datalink network.
- Before operation, valid service agreements shall be in place with the affected service providers to ensure testing is coordinated and complies with all service provider requirements for network access (including relevant ICAO, RTCA and AEEC radio standards and protocols).
- The Boeing Company shall cease operations immediately if interference or adverse network effects are reported by existing users.
- An emergency stop contact is provided to affected users.

If you should have any questions regarding this letter of concurrence, please contact me at telephone number 443-951-0344, or at e-mail at [ccw @asri.aero](mailto:ccw@asri.aero).

Sincerely,

Christopher Wheatley  
Aviation Spectrum Resources Inc.  
Frequency Management