

AEROSPACE & FLIGHT TEST RADIO COORDINATING COUNCIL®

**REQUEST FOR TELEMETRY FREQUENCY COORDINATION
(1435-1525 MHz)
(2310-2320 MHz and 2345-2390 MHz)**

Date of Application 3/26/2015 Identity Control No.
(Not to be filled in by applicant.)
Date Required 4/1/2015 Date Complete
(Not to be filled in by applicant.)

NOTE: PROPRIETARY DATA/CLASSIFIED INFORMATION SHOULD NOT BE SUBMITTED.

1. (a) Name of applicant The Boeing Company
(b) Number and street P.O. Box 3707 MC 2T-22
(c) City, state and zip code Seattle, WA 98124-2207
(d) Name and telephone for system contact Allen S. Lindsay, SR, 206-544-6053
(e) Email allen.s.lindsay@boeing.com
2. (a) Application for (check one): New Station ☒ Renewal ☐ Modification ☐
For Renewal or Modification please enclose a copy of the existing License, Call Sign:
(b) If for modification state modification proposed
3. Frequency(ies) requested 2357 MHz
4. Bandwidth and emission: (See instructions)
(a) Occupied bandwidth-kHz 19000
Emission bandwidth-kHz 19000
(b) Emission designator 19M4W7D
5. Category(ies) of station(s): Air-to-ground ☒ Air-to-air ☐ Ground checkout ☐
Other ☐ (Explain) Ground-to-air command and control using the 19M4W7D
emission designator with one discreet frequency 2357 MHz.

6. Transmitter and associated antenna(s):

- (a) Power 10 W Ave ☐ Peak ☒
(b) Transmitter nomenclature: Make Reliable Systems Model RT-1944/U
(c) Transmitter frequency range 2185-2485 MHz XTAL ☐ Synthesized ☐
(d) Frequency stability under all operating conditions _____ %
(e) JFP status or Type Acceptance No. of transmitter _____
(f) Type of transmitting antenna Vertical No. per vehicle 1
(g) Gain in dB above isotropic 24 Polarization Omni-directional
(h) Altitude and area of operation Ground to 41000 ft
(i) Ground (Receiver): Address W237
City Coastal Waters County N/A State WA

Latitude 46° 10' 0.00" N Longitude 125° 05' 0.00" W

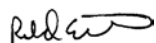
(j) Receiver Antenna Type Same Gain in dB 3
(k) Receiver Antenna Elevation above MSL in feet To 41000 ft

7.

This requirement supports Line Of Sight data link communication testing during flight test.

8. **AFTRCC COORDINATION TERMS AND CONDITIONS**

- AFTRCC recommends use of the 2360 to 2390 MHz bands for all telemetry operations required within the "S" band. Coordination for telemetry operations in the bands 2310-2320 MHz and 2345-2360 MHz will be on a secondary basis, and may require additional coordination with the Wireless Communications Services.
- All requests for frequency coordination by Aerospace & Flight Test Radio Coordinating Council ("AFTRCC") are subject to the following terms and conditions:
- AFTRCC provides recommendations to the Federal Communications Commission ("FCC") for non-Government use of flight test voice and telemetry frequencies. AFTRCC's role is strictly advisory; in all cases the FCC makes the decision whether to issue a license.
- Applicants are advised that no representations or warranties, express or implied, are made as to the interference-free nature of any given frequency or frequencies which AFTRCC coordinates, or as to whether any given frequency recommendation is best suited for the Applicant's purposes.
- Applicants should also be aware that frequencies coordinated by AFTRCC are shared with other users; no one user is entitled to exclusive use of a frequency in any given area. Multiple users may be, and often are, licensed or have government assignments for use of the same frequencies. Hence, notwithstanding FCC issuance of a license to the Applicant, transmission on any given frequency may be subject to day-to-day, hour-by-hour scheduling with Government Area Frequency Coordinators ("AFC's") or other agencies.
- In return for AFTRCC's processing of the Applicant's request, the Applicant agrees to release and hold harmless AFTRCC, its officers, directors, agents, representatives, and member companies (and their respective officers, directors, employees, owners, and agents) from and against any and all claims, losses, liabilities, damages or expenses which may arise now or in the future as a result of the Applicant's acceptance of AFTRCC's recommendation, or its use of the recommended frequency(ies).
- By the signature of its duly authorized official below, the applicant accepts and acknowledges these limitations and conditions.
- Information supplied in support of this coordination request is part of the FCC application process. Accordingly, this information is considered public record material.

Signature: 
Print Name: Ronald E. Center
Title: Manager, Frequency Management Services

Date: 3/26/2015

March 26, 2015
GG-EE6F-ASL-15-1010