



DEPARTMENT OF THE AIR FORCE
C/KC-135 SUSTAINMENT DIVISION (AFMC)
TINKER AIR FORCE BASE OKLAHOMA

9 JUL 2012

MEMORANDUM FOR ASC/WNU

FROM: OC-ALC/GKCE
3001 Staff Drive, Ste 2AH190B
Tinker AFB OK 73145-3019

SUBJECT: Safe-To-Fly (STF) Certification for the Sonosite M-Turbo Ultrasound System

1. The C/KC-135 Sustainment Division, OC-ALC/GKC, reviewed whether the subject Sonosite M-Turbo Ultrasound System is safe for use on C/KC-135 aircraft.
2. The STF review focuses on whether use of the device introduces a potential ignition source into the pressurized cabin and whether the device may be a source of electromagnetic interference for the navigation/communication equipment used by the aircraft flight crew. The relevant test procedure for explosive atmosphere testing is MIL-STD-810G, Method 511.5. and the relevant test procedure for radiated emissions is MIL-STD-461F (RE102).
3. Reports provided document the Sonosite M-Turbo Ultrasound System passed explosive atmosphere testing and passed radiated emissions testing for large-body fixed wing aircraft. Based on these facts, the C/KC-135 Sustainment Division concurs with the use of this device during all phases of flight and operations on C/KC-135 aircraft.

4. Point of Contact is [REDACTED]

[REDACTED]

[REDACTED]