

Technical Description

The Boeing Company

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By

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The Boeing Company

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JUSTIFICATION:

Direct Military Sales Contract with USAF/AFMC for KC-46A Engineering and Manufacturing Development under CONTRACT NO: FA8625-11-C-6600

These frequencies are requested to support Boeing KC-46A EMD program. The KC-46A is the next generation multi-role Tanker offering improved aerial refueling capability, strategic military transport, medevac, and enhanced survivability. This requirement supports flight and ground tests of the aerial refueling system including drogue control law development, performance evaluation and customer demonstration flight operations. **This requirement supports EMC testing.**

OBJECTIVE & TEST DESCRIPTION

The requested frequencies are required to properly run our EME Certification Ground Test and verify no Electromagnetic Interference (EMI) at these specific test frequencies. Our LRU box level qualification data and Co-site analysis shows that these specific transmission frequencies have a higher potential of causing EMI, which is why it is critical we verify these specific frequencies do not cause interfere at the A/C level. For each of these frequencies, we plan to transmit on the specified Nav/Comm radio for 1-2 minutes, and verify it does not interfere with other systems on the A/C at this specific frequency.

OPERATION OVERVIEW

Manufacturer:	Rockwell Collins Inc
Model:	VHF-2100; AN/ARC-210
Frequencies:	136.7 MHz
Emissions:	14K0G1D
Effective Radiated Output:	15 W
Station Class:	FX

STOP BUZZER POINT OF CONTACT:

Thomas Chan, 206-662-0950

LOCATIONS

Boeing Field, Seattle Field
473054N1221734W
Radius: 5k

Paine Field, Everett WA
475349N1221645W
Radius: 5k