

# Technical Description

## The Boeing Company

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By

Allen S. Lindsay, SR

The Boeing Company

Global Spectrum Management MC: 1K-105

P.O. Box 3707

Seattle, WA 98124-2207

(425)237-9168

### **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**

Start Date:	December 1, 2018
Stop Date:	May 1, 2018
Manufacturer:	Rockwell Collins Inc
Model:	VHF-2100; AN/ARC-210
Frequencies:	M134.775 MHz
Emissions:	6K00A3E
Effective Radiated Output:	15 W
Station Class:	FX

### **STOP BUZZER POINT OF CONTACT:**

Thomas Chan, 206-662-0950

## **LOCATIONS**

Paine Field, Everett WA -  
475349N 1221645W  
Radius: 1Km

Boeing Field, Seattle WA -  
473218N 1221852W  
Radius: 1Km