

Technical Description

The Boeing Company

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By

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JUSTIFICATION:

These frequencies are requested to support aircraft 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: Collins Aerospace

Model: HFS-900, HF-121C

Frequencies (MHz): 2-2.494; 2.206-4.849; 4.996-5.899; 6.201-7.299; 7.351-9.993; 10.006-11.5; 12.2-13.56; 13.9-14.97; 15.81-17.47; 18-18.8; 20.021-21.499; 21.851-24.97; 26.11-29.99.

Emissions: 100HA1A; 2K75H3E; 2K75J3E; 100HJ2A; 2K80H3E; 2k80J3E; 3K00H3E

Effective Radiated Output: 400W

Station Class: MO

STOP BUZZER POINT OF CONTACT:

Thomas Chan, 206-662-0950

LOCATIONS

Cecil Field

301349N 815356W

Radius: 200km

40000 Feet AGL Flight Level