

Technical Description

The Boeing Company

Submitted by
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The Boeing Company
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JUSTIFICATION:

This experimental license is required to conduct intra-system EMC testing on any HBC 300/350 aircraft.

DATES OF OPERATION

Starting October 1, 2011 for 2 years.

OBJECTIVE & TEST DESCRIPTION

The radios will be keyed up for about 30 seconds at each frequency across the VHF and DME frequency bands while monitoring the other aircraft subsystems for interference. This portion of the test will be accomplished on the ground and in a hanger at Summit Delaware.

VHF TEST OVERVIEW

TX Manufacturer:	Rockwell Collins
TX Model:	VHF-4000 and VHF-4000E
Frequencies:	119.025 MHz
	119.125 MHz
	120.125 MHz
	120.225 MHz
	120.775 MHz
	120.875 MHz
	121.625 MHz
	121.175 MHz
	121.825 MHz
	122.275 MHz
	124.225 MHz
	124.275 MHz
	125.825 MHz
	126.425 MHz
	127.225 MHz
	127.425 MHz
	127.675 MHz
	127.825 MHz
	128.775 MHz
	132.975 MHz
Emission:	25K0A3E
Transmit Output Power:	25 Watts

Antenna Gain: 0 dB
Effective Radiated Output: 15.2 Watts
Station Class: FX
Antenna: DMC60-1 Vertical Polarization Non-directional

DME TEST OVERVIEW

TX Manufacturer: Rockwell Collins
TX Model: DME-4000
Frequencies:

1040 MHz
1045 MHz
1051 MHz
1056 MHz
1060 MHz
1065 MHz
1070 MHz
1075 MHz
1081 MHz
1100 MHz
1105 MHz
1110 MHz
1115 MHz
1120 MHz
1125 MHz
1130 MHz
1135 MHz
1140 MHz
1145 MHz
1150 MHz

Emission: 12M0M1D
Transmit Output Power: 500 Watts Peak
Antenna Gain: 0 dB
Effective Radiated Output: 305 Watts Peak
Station Class: FX
Antenna: DMN150-10 Vertical Polarization Non-directional

STOP BUZZER POINT OF CONTACT:

Vincent Mancuso
610-591-7215

LOCATION

Location: Summit, DE
Latitude: 075-43-25 N
Longitude: 39-31-15 W
NAD83
Radius: 5 Kilometers
Elevation: 70 Feet