

# Technical Description

## The Boeing Company

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By

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The Boeing Company

Global Spectrum Management MC: 1K-105

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### JUSTIFICATION:

**USAF/AFMC CONTRACT NO: FA8730-17-C-0038**

The Boeing Company is requesting an experimental license in lieu of FCC STA WR9XWA to support Japan Electronic Control Measures (ECM). The purpose of this procedure is to perform check out of the Japan 767 MCU modification of ESM hardware/software.

### OBJECTIVE & TEST DESCRIPTION

This procedure includes two separate ESM checkouts—with and without Mission Computing System. Checkout includes ESM software verification, ESM BIT test, OBE blanking testing, and emitter testing using one of the external signal generator listed below.

### OPERATION OVERVIEW

Manufacturer: Agilent

Model: 8257D

Manufacturer: L3Harris

Model: AN/PLM-4 radar signal simulators (RSS)

Frequencies (MHz): 500, 550, 600, 650, 700, 750, 850, 950, 918, 950, 1545, 1560, 1640, 1740, 1845, 1995, 2036, 3000.5, 3161, 3170-3230, 3230, 3386, 4430, 4950, 5300, 5310, 5370, 5400, 5430, 5460, 5490, 5520, 5550, 5580, 5600, 5610, 5640, 5800, 8600, 9300, 9605-9811.4, 9912.8, 15035, 16772, 17909-18005

Emissions: 10M00P0N,

Frequencies (MHz): 1560, 5340, 13780.5

Emissions: 10M00N0N,

Effective Radiated Output: 1 W

Station Class: FX

### STOP BUZZER POINT OF CONTACT:

Ken Gilliam, (425)569-9351

### LOCATIONS:

McChord AFB

47-8-15N; 122-28-35W

Radius: 3km