

Technical Description

The Boeing Company

Submitted: 3/24/2021

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:

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

The Boeing Company is requesting a Special Temporary Authorization (STA) 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