

Technical Description

MSA Talon Radio & Ground Station (MAG bands)

The Boeing Company

Submitted: 11/21/2013
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JUSTIFICATION:

Test of Boeing Maritime Surveillance Aircraft (MSA) Demonstrator

These frequencies are requested to support Boeing MSA aircraft **DCS/Independent Research & Development (IR&D)** production and testing. The MSA is a long-range, coastal surveillance, intelligence, and reconnaissance aircraft capable of broad-area, maritime and littoral operations. The MSA demonstrator is a Bombardier Challenger 604 aircraft. Boeing will be flight testing the aircraft in China Lake, CA, Hickam AFB, HI, and Yuma, AZ.

OBJECTIVE & TEST DESCRIPTION

This requirement supports Line Of Sight and Beyond Line Of Sight voice and data link communication testing during flight test. Communication will be via a Talon Radio ground station.

OPERATION OVERVIEW

Start Date:	January 1, 2014
Manufacturer:	Rockwell Collins, Inc.
Model:	RT-8102
Frequencies:	1ea, M230.750, M325.5, M356
Emissions:	18K6F1E, 23K0F3E, 37K3F1E, 13K2F3E, 53K0F1D
Antenna Gain:	3 dBi
ERP:	56 Watts
Station Class:	FX, MO

STOP BUZZER POINT OF CONTACT:

Phil Tsiang at 253-657-8218, Mark Poad at 253-657-8265 or Tom Ott at 253-657-7934, Jahn Goede 206-544-2543

LOCATIONS

Location:	China Lake, CA (Excluding Mexico)
Latitude:	35° 41' 22" N
Longitude:	117° 41' 15" W
Radius:	65 Kilometers
Max Elevation:	15,000 Feet

Location: Yuma, Az (Excluding Mexico)
Latitude: 32° 39' 13" N
Longitude: 114° 36' 6" W
Radius: 65 Kilometers
Max Elevation: 15,000 Feet

Location: Hickam AFB, HI
Latitude: 21° 20' 35.18" N
Longitude: 157° 57' 42" W
Radius: 65 Kilometers
Max Elevation: 15,000 Feet

