

Technical Description

MSA Talon Radio & Ground Station (Update 1 MAG bands)

The Boeing Company

Submitted: 9/12/13
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JUSTIFICATION:

Test of Boeing Maritime Surveillance Aircraft (MSA) Demonstrator

These frequencies are requested to support Boeing MSA aircraft 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 Washington State, and in the vicinities of: Greenville, TX, and Glasgow, MT.

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:	November 1, 2013
Manufacturer:	Rockwell Collins, Inc.
Model:	RT-8102
Frequencies:	2ea M225-235, 2ea M267-322, 2ea M336-379
Emissions:	18K6F1E, 23K0F3E, 37K3F1E, 13K2F3E, 53K0F1D
Antenna Gain:	3 dBi
ERP:	56 Watts for M225-328.5, and M335.5-399.6
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:	Boeing Field, Seattle, WA (Excluding Canada)
Latitude:	47° 32' 0.09" N
Longitude:	122° 18' 41.01" W

Radius: 600 Kilometers
Max Flight Level: 37,000 Feet AGL

Location: Greenville, TX (Excluding Mexico)
Latitude: 33° 4' 20.42" N
Longitude: 96° 4' 36.71" W
Radius: 600 Kilometers
Max Flight Level: 37,000 Feet AGL

Location: Glasgow, MT (Excluding Canada)
Latitude: 48° 24' 22.27" N
Longitude: 106° 31' 57.74" W
Radius: 600 Kilometers
Max Flight Level: 37,000 Feet AGL

LOCATIONS

Location: China Lake, CA (Excluding Mexico)
Latitude: 35° 41' 22" N
Longitude: 117° 41' 15" W
Radius: 600 Kilometers
Max Flight Level: 37,000 Feet AGL

Location: Yuma, Az (Excluding Mexico)
Latitude: 32° 39' 13" N
Longitude: 114° 36' 6" W
Radius: 600 Kilometers
Max Flight Level: 37,000 Feet AGL

Location: Hickam AFB, HI
Latitude: 21° 20' 35.18" N
Longitude: 157° 57' 42" W
Radius: 600 Kilometers
Max Flight Level: 37,000 Feet AGL

