

Technical Description MSA Sea Lancet Ground Testing

The Boeing Company

Submitted: 9/29/2014
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JUSTIFICATION:

Request extension of STA, FCC call sign WH9XOH, 0347-EX-ST-2014. IAW Title 47 Part 5,61(11)c Extensions of an STA may be granted provided that an application for a conventional experimental license that is consistent with the terms and conditions of that STA (*i.e.*, there is no increase in interference potential to authorized services) has been filed at least 15 days prior to the expiration of the licensee's STA. When such an application is timely filed, operations may continue in accordance with the other terms and conditions of the STA pending disposition of the application, unless the applicant is notified otherwise by the Commission. Test of Boeing Maritime Surveillance Aircraft (MSA) Demonstrator Ground test of SeaLancet ground station system at the Boeing facility in Kent WA.

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.

OBJECTIVE & TEST DESCRIPTION

This requirement supports Line Of Sight data link communication ground testing. Communication will be via a Sea Lancet ground station.

OPERATION OVERVIEW

Manufacturer:	Reliable System Services Corp.
Model:	RT-1944/U
Frequencies:	2269.5 MHz
Emissions:	19M4W7D
Transmit Output Power	
Ground	10 Watts
Ground Antenna Gain:	24 dBi
Ground ERP:	1532 Watts
Station Class:	FX

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:	Kent
Latitude:	47-25-08 N
Longitude:	122-15-11 W
Radius:	1 Kilometer