

Technical Description

The Boeing Company

Submitted: 7/30/2012
by
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JUSTIFICATION:

Direct Commercial Sales (DCS) Contract with India for P-8I Development and Testing under CONTRACT NO: 171/DAA/C/08-09LRMRASW/AIRCRAFT (08)

These frequencies are requested to support Boeing P-8I aircraft production and testing. The P-8I is a long-range anti-submarine warfare, anti-surface warfare, intelligence, surveillance and reconnaissance aircraft capable of broad-area, maritime and littoral operations. The P-8I is a variant of the P-8A Poseidon that Boeing is developing for the U.S. Navy. This is a military derivative of the Next-Generation 737-800. Boeing is building the P-8I at its production facility in Renton, Washington and has a Direct Commercial Sale agreement with India.

This Special Temporary Authorization request is likely to require coordination with NTIA for two reasons. First, the original P-8A aircraft was designed for the U.S. Navy and, as such, it was designed to employ spectrum segments that are allocated in the United States either solely or partially for U.S. government use. Second, in modifying the aircraft for sale to the Indian government, a possibility exists that different frequencies may have been employed in order to align the aircraft operations with the frequency allocation table for India. To the extent that such adjustments may have been necessary, it still appears likely that the frequencies employed by the aircraft are allocated in the United States either solely or partially for use by the Federal government.

OBJECTIVE & TEST DESCRIPTION

This requirement supports the Inertial Measurement System used to provide telemetry data from an inert shape back to the airplane.

TEST OVERVIEW

Start Date:	August 3, 2012
Stop Date:	October 3, 2012
	Required to support one flight once approved.
Manufacturer:	Spectrum Sensors & Control
Model:	65210ES
Frequencies:	2205.5, 2216.5, 2239.5, 2268.5, and 2282.5 MHz
Emissions:	1M50P1D
Transmit Output Power:	0.5 Watts
Antenna Gain:	3 dBi
Effective Radiated Output:	1 Watt
Station Class:	MO

STOP BUZZER POINT OF CONTACT:

Troy Kindall at 206-962-9406 or Tyler Wilson at 206-618-1740

LOCATION

Ground tests will be conducted on Boeing Field and/or Renton Airfield. Flight testing will be conducted in the area defined below. Aircraft will not enter Canadian Airspace without obtaining proper clearance from Canadian authorities.

Location:	Seattle, WA and W237 Warning Areas
Latitude:	47-10-43 N
Longitude:	125-31-32 W
	NAD83
Radius:	280 Kilometers
Max Flight Level:	10,000 Feet AGL