

TECHNICAL DESCRIPTION

Public Viewable

The Boeing Company
Frequency Management Services
Submitted 8/27/15

by

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REASON FOR MODIFICATION

The purpose of this application will be to support ground testing required to verify the operational capabilities of the LITENING Targeting POD equipment. Testing is currently being supported by FCC STA WI9XPI, but will need to be extended as longer term testing is planned. The equipment will be set up and verified by transmitting one frequency in each operational band. If you foresee any issues with the requested frequencies, these frequencies could be changed to other suitable frequencies within each band of operation.

DATES OF OPERATION

September 2, 2015 for 24 months

EQUIPMENT LIST

Manufacturer	Model	Mobile Ant	TX Power	Frequency (MHz)
NORTHROP GRUMMAN/L-3 COMM	AN/AAQ-28(V)	3.00 dBi Stub	5.1 Watts	1710-1850; 2200-2500; 5250-5850

REQUESTED FREQUENCIES

Purpose	MHz	Emission	RF Power (ERP)	RF Unit	Mode
TELEMETRY	1770	1M62F1D, 9M58G1D	4.3 Watts	ERP	FIXED
TELEMETRY	2375	1M62F1D, 9M58G1D	5.1 Watts	ERP	FIXED
TELEMETRY	5560	1M62F1D, 9M58G1D	28.8 Watts	ERP	FIXED

LOCATIONS

#	Location	County	Latitude	Longitude	Radius of Operation	Flight Level
(1)	Oklahoma City, OK	Oklahoma	35-24-16N	98-35-33W	0 km	FIXED: Ground checks only

STOP BUZZER CONTACT INFORMATION

The designated point-of-contact to terminate transmissions if interference should occur is Gabriel A. Cap at (918) 381-8542 (or) Fred B. Brown, II, PhD at (405) 706-9436.