Introduction

The purpose of this license is to enable the airlink testing of four satellites under three different progra Optus, which has two satellites

PanAmSat-11 Horizons-2

Each satellite has at least one bank of transponders, that have both an uplink and a downlink set of cl these channels are fed via reflector style, High gain antennas. As detailed in the submission for ques antenna range with absorber all around them in an attempt to minimize the emission of the downlink f

For the uplink channels, the test antennas will be horn antennas with approximately 60 degree beamvin order to keep the emissions down.

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For the Telemetry channels, including the uplink power control beacons on the satellite, some of the t absorber placed around them in order to minimize the external emissions.

In short, we will be testing in an indoor range using enough absorber placed to minimize, as much as where the tests will take place

This is a list of all the frequencies that we are planning to test on, including as much information abou that you might need to process this application. If you need more information, please don't hesitate to

Ross Coffelt (703) 406-5782

ams that this company (Orbital Sciences) is working on:

hannels. With the exception of the telemetry downlink, tion 7 of form 442, these antennas will be tested in an requencies.

width. These will also have absorber placed strategically

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he antennas are omnidirectional. These will also have

possible, the radiation that will leave the highbay building

t power levels, antennas and modulations that I can think call me and ask. My name and Phone number are: