

TV Microwaves Company
Special Temporary Authority Application
File No. 0534-EX-ST-2009

Purpose of Operation and Frequency Coordination Exhibit

The purpose of this limited-time STA (exclusively for the days November 14, 15, and 24-26, 1009 is for the purpose of testing video transmitters in Space. The video transmitters, using standard COFDM, 8 MHz bandwidth, will be launched aboard a non-government rocket and will transmit to Earth while the rocket is directly over Tillamook, Oregon. The antenna will be narrow beamwidth and will transmit downward vertically to a receiver located at the coordinates specified.

This application specifies two discrete channels for video in the 2.3 MHz band which is allocated to Aeronautical Flight Test Telemetry. The applicant has coordinated the use of these two channels with AFTRCC, and will submit proof of coordination as an amendment to this STA application when received. No operation will occur on either channel without specific written coordination from AFTRCC.

In addition, the band 2450-2483.5 MHz is specified. Operation has been coordinated with the Society of Broadcast Engineers frequency coordinator for Oregon. All test operations will cease if there are reports of interference and will not resume unless and until all such interference has been resolved satisfactorily to the complainant.

The UHF frequencies specified are for local operational communications on a terrestrial basis near the receive site for the tests at the coordinates specified. All such operation is coordinated with the Oregon SBE coordinator as well.

During the experiment, Howard Fine can be contacted at (213-422-4220. Other inquiries can be directed to counsel for the applicant, Christopher D. Imlay, at (301) 384-5525 or at BFITPC@AOL.COM.