

0098-EX-ST-2000
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ORIGINAL

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February 25, 2000

Via Courier Service

Federal Communications Commission
Experimental Radio Service
P.O. Box 358320
Pittsburgh, PA 15251-5320

Via Facsimile (202-418-1918) and Mail

Experimental Licensing Branch
Office of Engineering and Technology
Federal Communications Commission
445 12th Street, S.W.
Washington, DC 20554

Attention: Mr. Carl Huie (Room 7-A361) / Mr. Doug Young (Room 7-A332)

**Re: Advanced Broadcast Services
Experimental License Call Sign KC2XCW
File No. 4990-EX-RR-1997
REQUEST FOR SPECIAL TEMPORARY AUTHORIZATION
for Use of Certain 12 GHz frequencies; March 22-26, 2000.**

Gentlemen:

This request for Special Temporary Authority is made on behalf of our client, **Advanced Broadcast Services (ABS)**, a video programming producer of entertainment, sports, and news events. ABS holds the above-referenced experimental authorization. The purpose of this letter is to request STA to use new RF cameras, called "PITA cameras," for video production at the 72nd Annual Academy Awards event being held Sunday, March 26, 2000 at the Shrine Auditorium in Los Angeles, California. Your office has been most helpful and responsive in the past with respect to grant of STA for such use.

The PITA cameras to be used are similar to those for which ABS has received Commission equipment authorization, except that the subject cameras are to be used at a different frequency

range (12 GHz – which is not included in the applicant's present experimental authorization.) ABS seeks to commence testing of the cameras on March 22, 2000. The tests would be made at a single location in an industrial/commercial area in a parking lot, with a transmission distance not to exceed 300 feet, at ground level.

The tests will occur in the parking lot of the Shrine Auditorium, which is located at 665 W. Jefferson Blvd., in Los Angeles, CA. Its coordinates are latitude 34-1-23 N and longitude 118-16-48 W. No more than two units of the device will be used at any time.

The frequencies and power levels are as follows:

<u>Frequency (GHz)</u>	<u>Power Output</u>	<u>ERP</u>	<u>Emission Designator</u>
12.2125	100 mW	1.0 watt	17MOF8F
12.2375	100 mW	1.0 watt	17MOF8F
12.2625	100 mW	1.0 watt	17MOF8F
12.2875	100 mW	1.0 watt	17MOF8F
12.3125	100 mW	1.0 watt	17MOF8F
12.3375	100 mW	1.0 watt	17MOF8F
12.3625	100 mW	1.0 watt	17MOF8F
12.3875	100 mW	1.0 watt	17MOF8F
12.4125	100 mW	1.0 watt	17MOF8F
12.4375	100 mW	1.0 watt	17MOF8F
12.4625	100 mW	1.0 watt	17MOF8F

All other parameters will be in accordance with the current ABS experimental authorization. ABS will charge fees for the video production services performed during the tests.

These frequencies are currently used for DBS downlinks. ABS is in the process of coordinating this operation with Mr. Howard Fine of the Southern California Frequency Coordination Committee, and is arranging with him for on-site, in person interference tests at the subject location prior to any use of the subject frequencies. If there is any interference to any DBS receive antenna in the area (all users in the immediate vicinity at the time are known to Mr. Fine), operation of the device will cease immediately at that location.

Last year, testing indicated that the subject device would cause interference to a DSS dish if operated within 25 feet of the dish in the antenna beamwidth azimuth. The location of the subject device will be more than 100 feet from the areas where the DSS dishes are in use by broadcasters. That location is approximately two stories in the air, and there is a large metal grandstand and scaffolding separating the cameras from the DSS dishes. The transmitters are facing 180 degrees away from the DSS area, pointing below the horizon, and the camera system antennas are oriented

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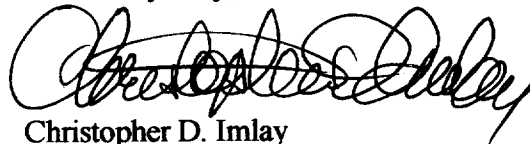
up at about a 20 degree angle. There were no reports of interference during last year's operation of the cameras whatsoever.

Inquiries or notifications during the STA period can be directed to this office, or to Mr. Bill Freiburger at ABS, located at 3251 W. Story Road, Irving, TX 75038. Mr. Freiburger can be reached by phone at (972) 869-9100.

The original of this STA request is being filed in Pittsburgh, together with the requisite filing fee in the amount of \$45.00, by check of this office payable to the Commission. Copies of the check and the FCC Form 159 are attached hereto as evidence of filing today.

Should any question arise concerning this application, kindly notify the undersigned counsel. Your prompt review of the instant request is greatly appreciated.

Yours very truly,

A handwritten signature in black ink, appearing to read "Christopher D. Imlay", written over a horizontal line.

Christopher D. Imlay

cc: Mr. Bill Freiburger