

Narrative Exhibit
Application for Special Temporary Authority
For Use of UHF Land Mobile/Broadcast Auxiliary
Channels in Support of Vessel Tracking System
During Sailboat Race in September, 2012
Animation Research, Ltd., Applicant.
September 14 through 21, 2012

NARRATIVE IN SUPPORT OF STA APPLICATION

The applicant for a grant of Special Temporary Authority, Animation Research, Ltd. is a New Zealand company. It has no FCC licenses permitting use of radio transmitters in the United States. Animation Research has a need for the use of three, 25-kHz bandwidth channels in the 450-570 MHz band for the period September 14 through September 21, 2012 in the area in Lake Michigan offshore from the City of Chicago, Illinois during a sailboat regatta sponsored by the Chicago Yacht Club.

The use of these channels is for data transmissions from each of the boats competing in a televised sailboat regatta as part of a tracking system. The applicant provides 2D and 3D graphics in support of the race showing vessel locations. In order to run this tracking system the applicant requires a maximum of three channels, each 25 kHz bandwidth (or six channels of 12.5 kHz bandwidth), to be used for the purpose of tracking boats in this racing event. The tracking system uses TDMA transmitters, with up to 12 boats transmitting twice per second on each channel. The transmitters will send 2 Hz occupied bandwidth data from each boat to a receive point on shore. The radios to be used will be GME data radios which have power settings at either 1 watt or 5 watts TPO. In virtually all cases, the 1 watt setting will provide adequate tracking data but in some cases the higher watt settings may have to be used. The antennas will be omnidirectional with about 1 dB gain. There will be 0.5 dB loss in the transmission lines.

The applicant will find three unoccupied channels in the 450-470 MHz band for use offshore and will monitor the channels prior to use for several days to insure against interference. Where possible, channels in the 450-451 and 455-456 MHz Broadcast auxiliary band will be utilized, and will be coordinated in real time with the SBE frequency coordinator for Part 74 facilities in Chicago. If necessary, the applicant will alternatively utilize itinerant channels in the 450-470 MHz band in order to avoid interference with Business, Industrial or Land Transportation licensees. No channels in the Public Safety Pool (section 90.20) will be utilized whatsoever.

Should any interference be reported during the event the applicant will immediately cease using the channel on which the interference is reported and will not resume operation on that channel absent a complete resolution of such reported interference to the satisfaction of the licensee involved.

Communications during the event can be directed to counsel for the applicant, as follows:

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