

**SportsMEDIA Technology (SMT)**  
**Application for Special Temporary Authority**  
**Description of Purpose of STA**  
**File Number 1993-EX-ST-2021**

SMT (SportsMEDIA Technology), a media technology firm, is and has been in the process of developing, refining and testing a Wireless Data System, to provide data communications during professional hockey games inside arenas. SMT's Infrared Puck- and Player-Tracking system generates over 1 million 3D coordinates/data points over the course of a regulation game, creating enhanced experiences for broadcast partners, fans, NHL digital platforms, and coaching and scouting applications. Through embedded tracking devices, fans can see real-time data, such as a player's ice time, zone times, speed and travel, all integrated into SMT's OPTICS system to provide a variety of virtual and enhanced presentations for viewers, live, in instant replay, and in packaged replays via broadcast, satellite, broadband and cable media. This system is being tested now in a configuration which uses the 2.4 GHz Part 15 band and a center frequency of 2.475 GHz at a variety of hockey arenas, while the applicant is in the process of obtaining Part 15 certification, pursuant to a granted STA (See, WS9XXO, File No. 1794-EX-ST-2021).

In addition to the testing conducted pursuant to WS9XXO, a different configured system has been developed, as of now, for proof-of-concept testing, using the band 2390-2408 MHz. SMT would like to conduct tests of this different system at two hockey arenas, the PNC Arena in Raleigh, NC and the SAP Arena at San Jose, CA. The test units (four per hockey arena per event) are to operate in the band 2390-2408 MHz, using 4M60G1D and 4M60G7D emissions. The TPO is 0.5 W, and ERP in the test units is approximately 1 watt. The occupied bandwidth is 4.6 MHz.

The application specifies test deployments at the two specified NHL venues in the next six months. The venues for testing the product are initially only hockey games, inside closed arenas.

This is an exceptionally low-power system used over very short ranges within enclosed sports arenas for short periods. It is not believed to have any significant interference potential. Any unexpected complaint of interference will result in cessation of operation until the interference is corrected. Similar STA grants have been authorized and conducted over the past few years for a similar system developed by an SMT subsidiary, Sportvision, for automobile racing at outdoor venues, without any interference reports whatsoever.

The stop-buzzer contact for all venues is Maren Thompson, Systems & Logistics Manager SMT, whose mobile telephone number is 510-332-8022. An alternative Stop Buzzer contact is Dave Hyde, whose mobile number is 973-902-5106. Other inquiries can be addressed to the office of counsel for the applicant, as follows:

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