

SportsMEDIA Technology (SMT)
Application for Special Temporary Authority
Description of Purpose of STA
File Number 0839-EX-ST-2024

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 sporting events inside arenas. The participant tracking system generates 3D coordinates/data points over the course of a regulation sporting event, creating enhanced experiences for broadcast partners, fans, digital platforms, and coaching and scouting applications. Through the use of tracking devices, fans can see real-time data, such as a participant's speed and travel, integrated into SMT's tracking 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 also tracks objects such as tennis balls, hockey pucks, and objects used in sporting events. The system is being tested now in a variety of wireless configurations, using a variety of frequency band options below 10 GHz, as part of the research and development of the final product, pending FCC Part 15 certification and in application development.

In addition, 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 further tests of this different system at three indoor sports arenas. The test units are to operate in the band 2390-2408 MHz and 2470-2480 MHz, using 4M60G1D and 4M60G7D emissions. The TPO is 0.5 W, and ERP of the test units is approximately 1 watt. The occupied bandwidth is 4.6 MHz. The venues and dates are as follows:

1. June 12-13, 2024 - Mohegan Sun Arena, Uncasville, CT, at 41° 29' 18" North, and 72° 05' 12" West.
2. June 21-22, 2024 - Jon M. Huntsman Center, Salt Lake City, UT at 40° 45' 36" North, and 111° 50' 33" West.
3. June 27-28, 2024 - Sanford Pentagon, Sioux Falls, SD at 43° 35' 29" North, and 96° 45' 17" West.

The application specifies short test deployments at the specified venues, each being at the site of a Professional Fighting League (PFL) event, inside a closed arena. 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. A similar STA grant was authorized and conducted last year (See, File No. 1251-EX-ST-2023) and earlier this year (See, File No. 0442-EX-ST-2024), without any interference reports whatsoever.

The stop-buzzer contact for all venues is Matthew Bertram, Director of IR Tracking Manufacturing Operations, SMT, whose mobile telephone number is 541-829-1360.

Other inquiries can be addressed to the office of counsel for the applicant, as follows:

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