

Broadcast Sports International, LLC
Application for Special Temporary Authority
File No. 0104-EX-ST-2021

Narrative Explanation of Operation and Course of Experimentation

Broadcast Sports International, LLC (BSI) is a preeminent video production company engaged in production of sports and other entertainment programming, electronic news gathering and program production for broadcast and other media distribution. It is routinely retained to provide video production at automobile racing events and professional golf tournaments in the United States. BSI has been asked by NASCAR to develop an enhanced system for providing video, audio and data from each car at a race, both for network broadcast purposes and for purposes of fan enhancement at individual racing events, post-COVID 19 when race fans return to the tracks. This new system is now under development by BSI and testing of the system is necessary at NASCAR racing events during this year. It involves short-range transmission of video, as is currently done, but on an expanded basis from many race cars, and also transmission of data over short paths to provide real-time telemetry from the race cars to the race audience and for broadcast purposes.

For the purposes of this course of testing of the system under development, BSI needs to utilize a variety of frequency bands between 2.180 GHz and 2.290 GHz for low-power video and data emissions. The locations specified in the application are typically in rural areas and it is anticipated that there will be a high degree of geographic separation between any fixed or mobile operation in accordance with the Table of allocations, or fixed satellite uplinks in the specified bands. Operation by BSI will be at very low power, typically 250 milliwatts TPO and less than 2 Watts ERP, and there is, at most or all of the race tracks specified, a high level of RF attenuation at ground level from structures surrounding the tracks. All operation will be terrestrial with ground-mounted antennas.

There follows a list of event locations and dates of proposed operation at each location as specified in the technical section of the application. Should any interference be reported to the Stop Buzzer contact, all operation will cease at that location and not resume unless and until the complainant is satisfied that the interference has been remediated or it is not caused by the BSI testing. At the end of each test at each location, the equipment under test will be removed and retained by BSI, without exception. The Stop Buzzer contact for each event will be Mr. Matt Butler, whose mobile telephone number is 410-693-593.

Track	Start	Finish
Stafford Motor Speedway, Stafford, CT	6/10/2021	6/12/2021
Knoxville Raceway, Knoxville, IA	6/17/2021	6/19/2021
Eldora Speedway, Eldora, OH	6/24/2021	6/26/2021
Lucas Oil Raceway, Indianapolis, IN	7/1/2021	7/3/2021
Slinger Speedway, Slinger, WI	7/8/2021	7/10/2021
Nashville Fairgrounds Speedway, Nashville, TN	7/15/2021	7/17/2021