

Broadcast Sports International, LLC  
Application for Special Temporary Authority  
File No. 0080-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 5.650 GHz and 7.500 GHz for low-power video and data emissions. BSI presently holds LTTS licenses covering the bands 6.425-6.525 GHz and 6.875-7.125 GHz but requires the availability of the spectrum requested herein in order to test and complete the development of the system. 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. Coordination of use of Amateur spectrum at 5.650-5.850 GHz will be coordinated in advance with ARRL, the national association for Amateur Radio.

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 410-693-5933. Any questions should be addressed to BSI's Communications Counsel:

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<b>TRACK</b>	<b>Start</b>	<b>Finish</b>
Homestead FL	26-Feb	28-Feb
Las Vegas NV	5-Mar	7-Mar
Phoenix AZ	12-Mar	14-Mar
Atlanta GA	19-Mar	21-Mar
Bristol TN	26-Mar	28-Mar
Martinsville VA	8-Apr	10-Apr
Richmond VA	16-Apr	18-Apr
Talladega AL	23-Apr	25-Apr
Kansas KA	Apr-31	2-May
Darlington SC	7-May	9-May
Dover DE	14-May	16-May
Austin TX	21-May	23-May
Charlotte NC	28-May	30-May
Sonoma CA	4-Jun	6-Jun
Fort Worth TX	10-Jun	13-Jun
Nashville TN	18-Jun	20-Jun
Pocono PA	24-Jun	27-Jun
Elkhart Lake WI	2-Jul	4-Jul
Atlanta GA	9-Jul	11-Jul
Loudon NH	16-Jul	18-Jul
Watkins Glen NY	6-Aug	8-Aug
Indianapolis IN	13-Aug	15-Aug
Brooklyn MI	20-Aug	22-Aug