

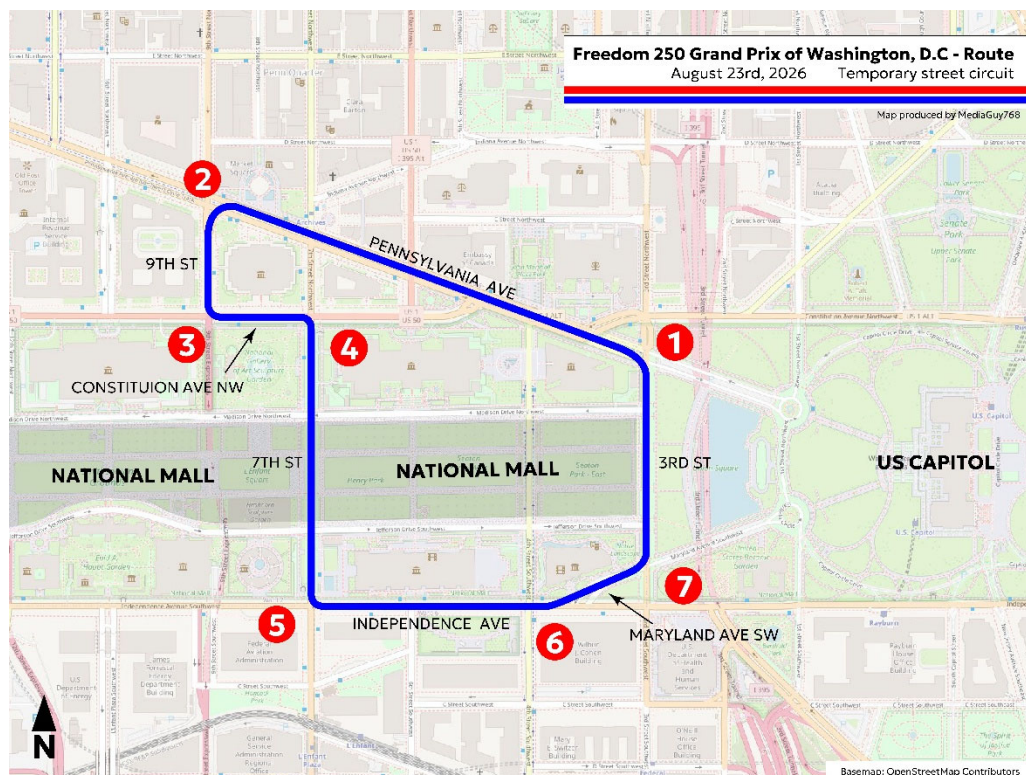
MRTC Motorsport Communications
MRTC, Ltd.
Application for Experimental Authorization
File No. 1155-EX-ST-2026

PURPOSE OF EXPERIMENTAL OPERATION AND FREQUENCY COORDINATION

The purpose of this Experimental Authorization is to further test a new telemetry marshalling system in connection with automobile racing at a single race venue supporting a temporary street circuit race celebrating the 250th birthday of the United States. It is a communications system to send track information to race cars on the track, to signal accidents (cautionary “yellow flag” indications, for example) and track conditions for safety purposes for the race cars and drivers. The system is composed of 23 transmitters placed around the race circuit and receivers and antennas placed in each of 30 race cars. It is akin to a “virtual safety car” with data transmissions to the cars. The transmissions are one-way, with no transmitters in the cars. This system is in the developmental stage. As further development and testing of this new safety system is necessary, this application is critical to the completion of all necessary testing.

The system will be deployed by a single Race Team, EM Motorsport, and the communications system will be operated on developmental testing basis by, and overseen by, MRTC Motorsport Communications of the United Kingdom.

The event this application will be supporting is the Freedom 250 Grand Prix of Washington, D.C. This is a temporary street circuit that will be laid out around the National Mall as noted in the figure below. This event will require two days of operation – 22 August and 23 August 2026.



The applicant requires two, 24 MHz bandwidth channels in the 3300-3400 MHz band for data transmission to the race vehicles from the trackside transmitters. The Effective Radiated Power is 500 milliwatts. The default center frequencies of these two channels will be 3312.5 MHz and 3325 MHz, if those channels are available, but the equipment is frequency agile within the band 3300-3400 MHz.

The “stop buzzer” contact on site on behalf of the applicant is Mr. Luca de Angelis, whose mobile number is +39 (0)39306-55157. Should any interference be reported, all operations and testing will cease immediately and will not resume unless and until all such interference is resolved to the reasonable satisfaction of the complainant.

All other inquiries can be addressed to the undersigned consulting engineer as follows.

Robert J. Russell
Technical Broadcast Solutions, Inc.
217 Greystone Dr
Hollister, MO 65672-5971
417.200.7069
rj@technicalbroadcast.com