

**MRTC Motorsport Communications
MRTC, Ltd.
Application for Special Temporary Authority
File No. 0143-EX-ST-2024**

PURPOSE OF STA AND FREQUENCY COORDINATION

The purpose of this STA is to further test an automobile racing communications system for voice and telemetry that is in the developmental stage. The tests will occur at a single test session at the Nitrodome at Planet Hollywood Resort in Las Vegas, Nevada (202 Audrie Street, Las Vegas, NV 89109) during the period 1-2 March, 2024. Additionally, video production of this event, using video bandwidth channels and wireless microphones, will be conducted by the applicant on behalf of the sponsors of the event, Thrill One Sports and Entertainment incidental to the testing of the communications system.

The communications system will be deployed by one race team and the race organizer at the tests during race events sponsored by Nitrocross. The race teams will use the communications system on a developmental testing basis on behalf of and overseen by MRTC Motorsport Communications of the United Kingdom.

The applicant requires 16 simplex, 12.5 kHz channel bandwidth VHF voice channels as specified in this application, and four UHF 12.5 kHz channel bandwidth voice and data channels allocated to the land mobile and amateur radio services. **NO PUBLIC SAFETY CHANNELS WILL BE USED.** There will be a total of 90 portable transmitters deployed, six RF cameras, one radio telemetry transmitter and 4 wireless microphones, all of which will be operated by and recovered by MRTC after the event. The applicant has consulted the ULS database with respect to the VHF and UHF channels sought and proposes what are believed to be unoccupied PLMR channels in the area of the event, centered at the race course just behind Planet Hollywood Resort in Las Vegas, Nevada to the east of Audrie Street.

Amateur radio UHF frequencies will be coordinated with the local Amateur Radio repeater coordinator and the Regulatory Information office of the American Radio Relay League, Inc. The “stop buzzer” contact in the United States will be Ms. Emily Young, whose mobile number is (317) 292-6179 for this proposed operation. All operation will cease on any channel after a report of harmful interference and will not resume unless and until the complaint is resolved to the satisfaction of the complainant.

Other inquiries can be addressed to undersigned counsel for MRTC Motorsport Communications:

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