

MRTC Motorsport Communications
MRTC, Ltd.
Application for Special Temporary Authority
File No. 2101-EX-ST-2022

PURPOSE OF STA AND FREQUENCY COORDINATION

The purpose of this STA is to further test a telemetry marshalling system in connection with automobile racing at nine different race venues. It is a communications system to send track information to race cars on the track, so as 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 receive 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. The tests will occur at various street courses and motor speedways (two prior tests having been already authorized per WS9XMU, File No. 1175-EX-ST-2021 in August of 2021, and in 2022 at the Indianapolis Motor Speedway, per File No. 0832-EX-ST-2022. 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.

The various dates during 2023 when this system will be deployed are January 30, 2023 through June 18, 2023. Two days of operation will occur at each of the nine venues.

The applicant requires two, 24 MHz bandwidth channels in the 3300-3400 MHz band for data transmission to the race vehicles from the transmitters trackside. The Effective Radiated Power is 500 milliwatts.

The “stop buzzer” contact on site on behalf of the applicant is Mr. Luca de Angelis, whose mobile number is +39 (0)39306-55157. Other inquiries *and backup “stop buzzer” notifications can be addressed to undersigned counsel* for MRTC Motorsport Communications *using the mobile phone number 301-351-3795 and other contact information below:*

Christopher D. Imlay
Booth, Freret & Imlay, LLC
14356 Cape May Road
Silver Spring, MD 20904-6011
(301) 384-5525 office
(301) 351-3795 mobile
chris@imlaylaw.com

Should any interference arise during this experimental operation, all such operation will cease and not resume unless and until the interference is resolved to the reasonable satisfaction of any complainant.