

**Formula One Management, Limited
STA Application – Microwave Channels
File No. 1930-EX-ST-2023
Frequency Coordination Exhibit
Austin, Texas and Las Vegas, Nevada Formula One
American Grand Prix Automobile Races
October 18, 2023 through November 20, 2023**

This application proposes the use of certain microwave bands in the Austin, Texas area and in Las Vegas, Nevada for terrestrial only, international and domestic video production operation and for data, video short-range, low power transmission and telemetry for racing cars and teams during the American Grand Prix Formula One automobile race events, and for testing prior to the events within and immediately surrounding the Circuit of the Americas Race Track near Austin, Texas and at a street track in Las Vegas including part of the Las Vegas Strip. An engineering analysis has shown that there should be no interference to any licensed user of any of the subject bands whatsoever. **This application is similar to prior applications granted by the Commission for the identical event in past years at the Circuit of the Americas location. See, WF9XYQ, File No. 0724-EX-ST-2012; WG9XAH, File No. 0789-EX-ST-2013, and WH9XYP, File No. 0911-EX-ST-2014, WJ9XCH, File No. 1061-EX-ST-2015, WJ9XCH, File No. 1258-EX-ST-2016, WL9XWV, File No. 1425-EX-ST-2017, WN9XJY, File No. 1577-EX-ST-2018 and WP9XME, File No. 1889-EX-ST-2019, and WU9KXN, File No 1560-EX-ST-2022 (granted to Formula One Management, Limited). There was no race in 2020 due to Covid-19. No interference was reported at any of the prior consecutive events whatsoever. This application is similar in terms of frequency bands and technical parameters to those granted by the Commission in WU9KXN in 2022, WP9XME in 2019, WN9XJY in 2018 and WL9XWV in 2017.**

The application includes the band 1435-1525 MHz, which requires coordination with AFTRCC. Such coordination has been initiated and when coordination is completed, the applicant will tender an amendment to include that completed coordination.

Per the Commission's instruction received in 2018 and after, Formula One Management, Limited will comply with all of the following conditions should this STA be granted:

Applicant is in the process of conducting prior coordination with the local Society of Broadcast Engineers, Inc. (SBE) frequency coordinators for the Austin, Texas and Las Vegas, Nevada broadcasting markets.

In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth in this application.

If any interference occurs, the applicant will immediately shut down operations on the victim channel or channels.

Applicant will conduct notification of licensees using the following band within 50 miles of the test area: 1392-1395 MHz

Applicant will obtain consent of All Broadband PCS licensees (1850-1910 MHz) within 50 miles of the test area.

Applicant will maintain operation separation from the grandfathered earth stations as defined in Part 90, Subpart Z, or coordinate an agreement with the grandfathered earth station licensees prior to operation in the 3300-3400 MHz band.

Applicant will secure consents from the Advance Wireless Service licensees prior to accessing to 2000-2110 MHz and 2180-2290 MHz bands.

Applicant will coordinate with the affected Fixed Microwave Service licensees prior to operation.

Applicant shall use the minimum power level necessary to establish communications links to minimize potential interference to licensed users.

The application also proposes the use of Amateur Radio frequencies for video production and for telemetry. The use of amateur allocations in this STA application at have been coordinated with the American Radio Relay League, Incorporated. Other channels to be utilized during the race event have been or will be prior to operation investigated and monitored by engineering firms retained by the applicant to conduct on-site frequency coordination at each venue, and found to be unoccupied in the vicinity of Austin, Texas and Las Vegas, and in the immediate area of the Race courses. Given the location of these events, it is anticipated that no interference will be caused to any Amateur Radio, government, fixed microwave or broadcast auxiliary operations. Use of broadcast auxiliary channels will be coordinated in advance with the Society of Broadcast Engineers' local frequency coordinator for the Austin Texas and Las Vegas markets. Upon receipt of any complaint of interference from a licensed Amateur Radio user, government user, fixed microwave licensee or broadcast entity (or otherwise), operation pursuant to this STA will cease on the channel complained about immediately, and will not resume unless and until the interference complaint is resolved satisfactorily to the licensee.

Communications on site should be directed to Mr. Mike Hamilton of Formula One Management, at +44 (0) 7720 598986. Mr. Hamilton will be the Stop Buzzer contact on-site at both venues, or if a United States mobile contact is called for, undersigned communications counsel is willing to serve as Stop-Buzzer contact, at (301) 351-3795.

Other communications can be directed to the office of communications counsel for Circuit of the Americas, LLC:

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