

**Circuit of the Americas, LLC**  
**STA Application – Microwave Channels**  
**1577 -EX-ST-2018**  
**Frequency Coordination Exhibit**  
**Austin, Texas Formula One American Grand Prix Automobile Race**  
**October 18, 2018 through October 22, 2018**

This application proposes the use of certain microwave bands in the Austin, Texas area 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 event and for testing prior to the event within and immediately surrounding the Circuit of the Americas Race Track. 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 same 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, and WL9XWV, File No. 1425-EX-ST-2017 . No interference was reported at any of the prior six consecutive events whatsoever. This application is virtually identical in terms of frequency bands and technical parameters to those granted by the Commission in WL9XWV in 2017.**

Should any authorized user of the subject bands report interference during the proposed operations, operation on that channel will immediately cease and not resume unless and until the interference complaint is resolved.

Per the Commission's instruction received in 2017 in WL9XWV, Circuit of the Americas 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 coordinator.

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 the following within 50 miles of the test area: All Broadband PCS licensees (1850-1910 MHz).

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 3300-3700 MHz band and will consult the ULS database to ensure that the operation will not cause harmful interference to any existing registered stations in the 3650-3700 MHz band, and notify the registered users in the proposed geographic area.

Applicant will secure consents from the Advance Wireless Service licensees prior to accessing to 2000-2110 MHz and 2180-2200 MHz bands.

Applicant will coordinate with the affected Fixed Microwave Service licensees prior to operation in 2000-2110 MHz, 2390-2483.5.MHz, 6425-7125 MHz and 11170-11700 MHz bands.

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 Clear Call Communications, Inc. of Dallas, Texas and found to be unoccupied in the vicinity of Austin, Texas and in the immediate area of the Race course. Clear Call Communications will be on site during the race and advance and real time channel monitoring and on-site frequency coordination will insure against any interference. 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 market. 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. Keller McCrary, Clear Call Communications, Inc. at 1-214-533-3700. Mr. McCrary will be the Stop Buzzer contact on-site.** Other communications can be directed to the office of communications counsel for Circuit of the Americas, LLC:

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