

**MRTC Motorsport Communications  
MRTC, Ltd.  
STA Application 0074-EX-ST-2020  
Frequency Coordination Exhibit and Narrative  
Austin, Texas World Endurance Championship Automobile Race Sponsored by  
The Federation Internationale de L'Automobile at Circuit of the Americas.  
February 20, 2020 through February 23, 2020**

This application proposes the use of amateur radio, land mobile, broadcast auxiliary and certain microwave bands in the Austin, Texas area for terrestrial only, international and domestic video production operation; for voice communications and telemetry for racing cars and communications with pit crews and racing teams; for a single weather radar; and for two-way operational and security communications during the World Endurance Championship automobile race events 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. The frequency list is similar to those which were granted by the Commission in 2014 and 2015 for this same event at the same location (See WH9XUY, File No. 0618-EX-ST-2014 and WI9XXY, File No. 0864-EX-ST-2015) and similar to the band list for this same event at other locations since that time. This is one of the two largest international automobile racing events in the United States. Should any FCC-licensed or United States government station report interference during the proposed operations, operation on that channel or band will immediately cease and not resume unless and until the interference complaint is resolved.

**The frequency ranges set forth herein are a subset of those requested for and granted by STA to Circuit of the Americas, LLC previously for other racing events at this venue, including the Formula One Grand Prix each year.**

With respect to the proposed use of land mobile and Amateur Radio frequencies for video production, voice and telemetry, the use of amateur allocations in this STA application have been coordinated with the American Radio Relay League, Incorporated. Land mobile channels to be utilized during the race event within the requested band limits have been investigated using the Commission's database and monitored on-site and found to be unoccupied. Technical coordination staff will be on site during the race and channel monitoring and on-site frequency coordination will ensure against any interference. Given the location of these events, it is anticipated that no interference will be caused to any amateur radio, land mobile, broadcast auxiliary or other licensed 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, land mobile licensee or broadcast entity, or government entity (or otherwise), operation pursuant to this STA will cease on the channel complained about, and will not resume unless and until the interference complaint is resolved satisfactorily to the licensee.

There is requested in this application the use of a 10 MHz bandwidth channel at 9405-9415 MHz for use for a weather radar system in support of the automobile race. This frequency for an identical radar is routinely granted to Circuit of the Americas in each year for the United States Grand Prix. See, e.g. WH9XYW, File No. 0912-EX-ST-2014.

Applicant will ensure that all conditions associated with the 2014 and 2015 STA grants will be complied with, including notching of the following channels within the requested frequency ranges as required previously:

a. Notch out the following +/- 8 kHz:

1. 156.3000 MHz – Search and Rescue
2. 156.5250 MHz – Channel 70 - DSC
3. 156.6500 MHz – Bridge to Bridge Communications
4. 156.8000 MHz – International Safety, Calling and Distress
5. 161.9750 MHz – AIS I
6. 162.0250 MHz – AIS II
7. 163.7250 MHz

b. Notch out the following +/- 12.5 kHz

1. 162.4000 MHz
2. 165.7625 MHz
3. 166.1750 MHz
4. 169.2250 MHz
5. 169.3500 MHz
6. 169.3750 MHz
7. 172.8250 MHz
8. 172.9500 MHz
9. 172.9750 MHz

c. Notch out the following +/- 6.25 kHz (all frequencies are in MHz)

- 162.2125, 162.6875, 162.7000, 162.7625, 162.9625, 163.3750, 163.7125, 164.0500, 164.1250, 164.1375, 164.3500, 164.3625, 164.4000, 164.4625, 164.5375, 164.6500, 164.8125, 164.8875, 164.9125, 165.1000, 165.2125, 165.3750, 165.6500, 165.7875, 165.9500, 166.0500, 166.1750, 166.2000, 166.4000, 166.4625, 166.5000, 166.5375, 166.5625, 166.6625, 166.7125, 167.0000, 167.2125, 167.4500, 167.4750, 167.5500, 167.5625, 167.6625, 167.7125, 167.8375, 168.0250, 168.6125, 168.6625, 168.6750, 168.7750, 169.1750, 169.2250, 169.3000, 169.3500, 169.3750, 169.5750, 169.5875, 169.9000, 169.9500, 170.0000, 170.4000, 170.7500, 171.2875, 171.5250, 172.1500, 172.1750, 172.6375, 171.7875, 172.8250, 172.9000, 172.9500, 172.9750

**The stop buzzer contact for this operation will be Mr. Chris Lee of MRTC Motorsports, whose can be reached at +44 (0)7920 130 453. His e-mail address is [Chris@mrtc.co.uk](mailto:Chris@mrtc.co.uk) . If a United States telephone contact number is required, undersigned counsel can also serve as a stop buzzer contact at (301) 351-3795 (mobile)**

All other communications can also be directed to the office of counsel for MRTC Motorsports Communications:

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