

**MRTC Motorsport Communications  
MRTC, Ltd.  
STA Application 1522-EX-ST-2018  
Frequency Coordination Exhibit and Narrative  
Austin, Texas World Rallycross Championship Automobile Race Sponsored by  
The Federation Internationale de L'Automobile  
September 28, 2018 through September 30, 2018**

This application proposes the use of VHF and UHF channels within amateur radio, land mobile and broadcast auxiliary bands in the Austin, Texas area for terrestrial only, voice communications and telemetry for racing cars and communications with pit crews of the race teams; and for two-way operational and security communications during the World Rallycross 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 a reduced subset of that which was granted by the Commission each of the last several years for this same event (See WH9XUY, File No. 0618-EX-ST-2014; WI9XXY, File No. 0864-EX-ST-2015 and WL9XRM, 1107-EX-ST-2017). This is one of the 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. However, during the past three or four years' prior events using these same frequencies, no interference has been reported whatsoever. There are on-site coordinators for this event who are charged with interference avoidance and mitigation.

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.

With respect to the proposed use of land mobile and Amateur Radio frequencies for 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 ULS 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.

Applicant will ensure that all conditions associated with prior years' STA grants will be complied with, including notching of the following channels within the requested frequency ranges as required in prior STAs at this venue:

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 principal “stop buzzer” contact on site** will be Julie O’Leary, who can be reached at +44 (0)7471900729.

The undersigned counsel will be an additional stop buzzer contact; All other communications can also be directed to the office of counsel for MRTC Motorsports Communications:

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