

MRTC Motorsport Communications

MRTC, Ltd.

STA Application 0864-EX-ST-2015

Frequency Coordination Exhibit and Narrative

Austin, Texas World Endurance Championship Automobile Race Sponsored by

The Federation Internationale de L'Automobile

September 15, 2015 through September 20, 2015

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 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, and with but one addition of some broadcast television channels for use for wireless microphones for international broadcast production purposes, the frequency list is otherwise precisely the same as that which was granted by the Commission last year for this same event (See WH9XUY, File No. 0618-EX-ST-2014). 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.

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 was granted to Circuit of the Americas in October of 2014 for the United States Grand Prix. See, WH9XYW, File No. 0912-EX-ST-2014. The instant request is identical to that granted STA.

Applicant will ensure that all conditions associated with the 2014 STA grant (File No. 0618-EX-ST-2014, WH9XUY) will be complied with, including notching of the following channels within the requested frequency ranges as required last year:

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 undersigned counsel will be the United States' stop buzzer contact; All other communications can also be directed to the office of counsel for MRTC Motorsports Communications :

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