

**MRTC Motorsport Communications
MRTC, Ltd.
STA Application 0168-EX-ST-2024
Frequency Coordination Exhibit and Narrative
Portland, Oregon ABB FIA Formula E Championship Automobile Race June 24,
2024 through June 30, 2024**

This application proposes the use of amateur radio, land mobile, broadcast auxiliary and certain microwave bands at the Portland International Raceway, Portland, Oregon for terrestrial only, international and domestic video production operation; for voice communications and telemetry for electric-powered racing cars and communications with pit crews of the race teams; and for two-way operational and security communications during the ABB FIA Formula E Championship automobile race events and for testing prior to the event within and immediately surrounding the Portland International Raceway. The ABB FIA Formula E Championship is the world's first fully-electric international single-seater track racing series.

An engineering analysis has shown that there should be no interference to any licensed user of any of the subject bands. The frequency list is almost identical to that granted for this race in Brooklyn, NY in July of 2022 (See, WS9XHQ, File No. 0668-EX-ST-2021) and at the Portland, Oregon location in June of 2023 (See, WV9XEL, File No. 0470-EX-ST-2023). This will be the second consecutive year that the event will be held in Portland, Oregon.

This is one of the two largest annual 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 nine prior events using most of these same frequencies, no interference has been reported whatsoever from any source. There are on-site coordinators for this event who are charged with interference avoidance and mitigation.

The stop-buzzer contact for this event is Mr. James Van Litsenborgh of MRTC who can be reached at +44 (0)7464 482 108. Alternatively, counsel for the applicant can be reached by cellphone at any time at 301-351-3795 and will act as an additional or substitute stop-buzzer contact for this event.

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 at VHF and UHF have been investigated using the Commission's ULS database and will be monitored on-site and used only if found to be unoccupied. **No public safety channels listed in Section 90.20 of the Commissions' Rules will be utilized.** The Society of Broadcast Engineers' local frequency coordinator for Portland, Oregon will be contacted to coordinate the use of broadcast and broadcast auxiliary channels. Technical

coordination staff will be on site during the race and real time and advance channel monitoring and on-site frequency coordination will ensure against any interference.

Additionally, no use will be made of any of the following channels, which were excluded in Condition # 12 of the 2023 STA grant at this same location in 2023:

- a. 163.6 MHz (+/- 5 kHz)
- b. 164 MHz (+/- 5 kHz)
- c. 164.75 MHz (+/- 5.5 kHz)
- d. 165.4375 MHz (+/- 12.5 kHz)
- e. 165.725 MHz (+/- 5.5 kHz)
- f. 165.7625 MHz (+/- 12.5 kHz)
- g. 166.1750 MHz (+/- 12.5 kHz)
- h. 166.425 MHz (+/- 5 kHz)
- i. 166.65 MHz (+/- 5 kHz)
- j. 166.9125 MHz (+/- 5.5 kHz)
- k. 167.2 MHz (+/- 5 kHz)
- l. 167.675 MHz (+/- 4.5 kHz)
- m. 167.8 MHz (+/- 5.5 kHz)
- n. 169.1125 MHz (+/- 5.5 kHz)
- o. 169.2250 MHz (+/- 12.5 kHz)
- p. 169.2750 MHz (+/- 12.5 kHz)
- q. 169.625 MHz (+/- 5.5 kHz)
- r. 170.75 MHz (+/- 5.5 kHz)
- s. 171.675 MHz (+/- 5.5 kHz)
- t. 415.075 MHz (+/- 5.5 kHz)
- u. 417 MHz (+/- 4.5 kHz)
- v. 417.375 MHz (+/- 5.5 kHz)
- w. 418.4375 MHz (+/- 4.5 kHz)

All communications can be directed to the office of counsel for MRTC Motorsports Communications, as follows:

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