



CP Communications
STA Application 1420-EX-STA-2021
Frequency Coordination Explanation for 600MHz Request
October 10, 2021 – April 10, 2022

This application proposes the use of unused 600MHz spectrum for wireless microphone equipment in support of the televised broadcast and internet streamed coverage of National Hockey League (NHL) games and related events/activities in NHL arenas for the first part of the 2021-22 season.

Applicant is a television microwave and communications production company which provides video, audio and communications equipment and services for broadcast, satellite broadcast and cablecast of sporting and other events. Applicant has certain LTTS, BAS and private wireless licenses for this purpose. However, the extensive Part 74(H) spectrum utilization at this event by both the game production itself and the broadcast entities necessitates making coordinated, temporary use of additional spectrum in unused portions of the 600MHz band. The proposed spectrum consists of;

600MHz Block A,	617-622 / 663-668 MHz
600MHz Block G,	647-652 / 693-698 MHz
600MHz Guard bands,	616-617 / 652-653 MHz

Additionally, applicant seeks to use a higher transmit power level in 614-616 MHz and the 653-663 MHz duplex gap as there is no active adjacent services in the 600MHz A and G blocks. This will ensure sufficient performance about a large indoor service area with some transmitter antennas on the ground (0m AGL) without causing interference. Antenna heights will be below 2m AGL.

All licensees within 50km about each stadium venue are being contacted in an attempt to obtain consent prior to operations.

To mitigate potential interference to adjacent channel licensees, occupied channel bandwidth will not exceed requested band limits.



**** Stop-buzzer contact for the duration of operations will be:**

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Secondary stop-buzzer and contact regarding this application:

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