



CP Communications

STA Application 0116-EX-ST-2021

Frequency Coordination Explanation for Frequency Request

January 29, 2021 – February 08, 2021

This application proposes the use of an unused portion of the 800 MHz band for remote control and monitoring of a cable suspended broadcast camera trolley system in support of the televised broadcast and internet streamed coverage of the National Football League (NFL) Super Bowl LIV game at Raymond James Stadium in Tampa FL.

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's client is the broadcast rights holder (CBS Sports) who wishes to utilize a cable suspended broadcast camera trolley system in support of their coverage of the football game. The trolley system's remote control and telemetry is by means of an RF module operating in the 868 MHz frequency range at +20dBm (100mW) ERP.. The proposed spectrum for this application is 867 – 869 MHz.

Although the camera platform, and thus one side of the RF link, will be at 50' AGL, operations are fully contained within the confines of the stadium structure, which rises to above 145' AGL. The ground based link will also be within, and well below, the stadium structure.

A search of all applicable FCC databases results in no incumbent licensees within 50km of the stadium. Spectrum analyzer scans of this frequency range outside the stadium also shows no RF activity.

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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