

Perfecting Church**STA Application 0771-EX-STA-2020****Frequency Coordination Explanation for FM Broadcast Band Request****May 29, 2020 – November 01, 2020**

This application proposes the use of an FM Broadcast channel for the low power audio transmission of religious services to congregants in their vehicles parked in the lot adjacent to the applicant's venue (Perfecting Church). This arrangement enables attendees and event staff to maintain government mandated and health experts' recommendations on physical distancing to reduce the spread of the Covid-19 virus, at the same time providing for a shared live experience among the church's congregation.

Utilizing the FM broadcast band enables delivery of the service's audio to attendees using their in-vehicle radios without having contact with church staff. Utilizing attendees' own radios eliminates the complex logistics of distributing and collecting specialized receivers in a safe manner, the sanitizing and packaging of said receivers and the added time and expense as a result of such efforts.

Applicant is a church.

Operations require a .13km radius for sufficient coverage of parking lot. An onsite RF survey of the FM band and consulting both the ULS and FM Broadcast Query databases shows the requested channel to be clear of any licensed incumbent's service contour. The power level being requested is that required to adequately reach the desired radius of coverage, based on a typical vehicle FM radio receiver sensitivity, with appropriate SINAD, while minimizing discernable and detrimental field strength beyond the intended listening area.

Applicant has minimally scheduled these outdoor services for May 31, 2020 (with test and set up on May 29-30) and August 30, 2020. There is a possibility outdoor services will be added for the last Sunday of each month through and including November 01, 2020. (There is also a scheduled service for November 29, 2020 but as that date is beyond the 180 day limit of the requested grant, a new request would be filed.)

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

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Secondary stop-buzzer and contact regarding this application is applicant's RF consultant:

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