



CP Communications
STA Application 0681-EX-ST-2021
Frequency Coordination Explanation for 600MHz and 700MHz Request
May 15-23, 2021 inclusive

This application proposes the use of unused 600 and 700MHz spectrum for wireless microphone equipment in support of the televised broadcast and internet streamed coverage of the PGA Championship Golf tournament and related events/activities at Ocean Course in Kiawah Island, SC.

Frequency Details

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 the various venues by numerous production and broadcast elements necessitates making coordinated temporary use of additional spectrum in unused portions of the 600 and 700MHz bands for LPAS operations. 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
700MHz Lower Block D;	716-722 MHz
700MHz Lower Block E;	722-728 MHz
Upper 700MHz Block A;	757-758 MHz
Upper 700MHz Block B;	775-776 MHz

Additionally, applicant seeks to use a higher transmit power level, 50mW ERP, in 614-617 MHz and the 652-663 MHz duplex gap as there is no active adjacent services in 600MHz A and G blocks. This will ensure sufficient performance throughout the course without causing interference. Antenna heights will be below 2m AGL.

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Operational Area Details

Whereas the STA application requires a center point with radius to define the area of proposed operation, this results in a proposed operational area far exceeding the actual area of intended coverage. Due to the long, narrow nature of the golf course, the proposed area of operation and coverage is better described by a polygon, as detailed in the following table, and illustrated in the subsequent image (Fig. 1).

Point Description	Latitude	Longitude
NW	N32°36'37.23"	W80°02'34.16"
NORTH	N32°36'56.09"	W80°00'43.23"
NE	N32°36'46.59"	W79°59'55.23"
SW	N32°36'33.19"	W80°02'30.44"
S-SW	N32°36'40.89"	W80°01'17.76"
SOUTH	N32°36'47.52"	W80°00'53.51"
SE	N32°36'36.35"	W80°00'02.16"



Figure 1
Defined radius in **red** as required by application.
Actual operational and coverage area defined by **blue** polygon.

All 600 MHz and 700 MHz licensees of the proposed bands within the proposed area of operations and extending 10km beyond are being contacted in an attempt to obtain consent prior to operations. To further 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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