

Aerial Video Systems
Application for Special Temporary Authority
File Number 0643-EX-ST-2024

Narrative Explanation of Operation

Aerial Video Systems (AVS), a subsidiary of NEP Broadcast Services, is a video production company which is engaged in video and audio production for television shows, sporting events and entertainment events. AVS has been contracted for television production work involving short-range RF cameras inside of the Ford Center at the Star in Frisco, Texas during the period May 10-17, 2024 in connection with production of the 59th Academy of Country Music (ACM) Awards Show. All video production events during this period will be inside the Ford Center, at coordinates 33-06-38 North, 96-49-41 West). AVS is a licensee in the Local Television Transmission Service and holds other licenses but the frequency bands authorized by those licenses do not permit sufficient bandwidth for video production given the location of this event in this ENG market, and given the number of RF cameras needed for this indoor video production activity during the period. The filming for the television production is periodic throughout the period specified in this application.

AVS intends to use at this production venue seven RF cameras using a maximum of 100 milliwatts of transmitter power (and not more than 1W ERP) into an omnidirectional antenna using a 10M0FXW or 10M0D7W emission on nine discrete channels in this band, *indoors only*, in the band 3350-3450 MHz. *AVS has no long term interest in this band.* It is developing equipment that could be used in the General Access portion of the CBRs band at 3650-3700 MHz but that equipment is not now ready for deployment in accordance with Part 96 rules. The band will be used for video return and camera control.

Video production will be terrestrial only, within the confines of the event venue, which has a high degree of signal attenuation. All operation will be under the direct control of Trevor DeEll of AVS, who will ensure against any interference to any other users of the same or adjacent bands at all times during any STA operation by AVS. AVS will protect any and all United States Government spectrum use prior to or during the event, and should any interference arise, all AVS operation in this band will cease until resolved to the full satisfaction of the complainant.

The Stop Buzzer contact on site will be Mr. Trevor DeEll, AVS' production coordinator, whose cell phone number is 203-258-1951.

Any other inquiries can be addressed to counsel for the applicant as follows:

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