

Aerial Video Systems
Application for Special Temporary Authority
File Number 1759-EX-ST-2024
October 12, 2024 through November 2, 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 retained by Fox Sports to provide video production services for Major League Baseball (MLB) postseason playoff games at various arenas specified herein during the period October 12, 2024 through November 2, 2024, but only during the times of the actual games at (potentially) up to 14 National League and American League stadium venues. To do this, due to heavy use of normal Broadcast Auxiliary and Local Television Transmission Service video bandwidth channels during these games, AVS respectfully requests a grant of Special Temporary Authority for terrestrial use of the band 3300-3400 MHz to test RF cameras developed by AVS in the stadiums only, **using extremely low transmitter power and low power spectral density**, during the playoff games, during the period specified.

AVS is a licensee in the Local Television Transmission Service and holds other licenses but the frequency bands authorized by those licenses are otherwise in use by broadcast auxiliary users in the cities in each of the venues, and additional spectrum is necessary.

AVS intends to use at each production venue three RF cameras (referred to as “dirt cameras” using a maximum of 100 milliwatts of transmitter power (and less than 250 mW ERP) into an omnidirectional antenna using a 10M0FXW or 10M0D7W emission on discrete, 10 MHz bandwidth channels in the band 3300-3400 MHz. At any given time, no more than 30 megahertz will be in use at any one stadium. 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 or elsewhere, but that equipment is not now ready for deployment in accordance with Part 96 rules.

Video production will be terrestrial only, within the arenas, which ensures a high degree of signal attenuation. All operation within the stadiums will be under the direct control of AVS, which 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 each of the events, 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, whose telephone number is 818-565-4271. Any other inquiries can be addressed to counsel for the applicant as follows:

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