

Aerial Video Systems  
Application for Special Temporary Authority  
File Number 0412-EX-ST-2020  
April 1, 2020 through April 29, 2020

### **Narrative Explanation of Operation**

Aerial Video Systems (AVS) 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 to provide its services for a series of television program productions in Las Vegas, Nevada, at four indoor locations. All video production events will be inside buildings within 5 kilometers of coordinates 36-06-47 North, 115-10-35 West) within the City of Las Vegas. 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 these events in this large ENG market in the country, and given the number of RF cameras needed for these indoor video production activities during the period April 1 through April 29, 2020. The frequency bands proposed will not be in use this entire time. The schedule of events to be produced during the STA period and the dates of each are as follows:

Dick Clark / Academy of Country Music (3 RF cameras and video returns) April 1 – 5  
NFL Draft / NFL Network (20 RF cameras and video returns) April 18 – 26  
Telemundo / Latin Billboard Awards (5 RF cameras and video returns) April 19 – 23  
Dick Clark / American Billboard Awards (3 RF cameras and video returns) April 24 – 29

AVS intends to use at each production venue between 3 and 20 RF cameras and video return links using a maximum of 250 milliwatts of transmitter power (and not more than 1W ERP) into an omnidirectional antenna using a 10M0FXW or 10M0D7W emission in the band 2200-2290 MHz and the band 3300-3500 MHz, *indoors only*.

Video production will be terrestrial only, within the confines of the event venues, all of which have a high degree of signal attenuation. All operation within the studios and other venues will be under the direct control of Argyle Nelson 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 or Amateur Radio spectrum use prior to or during each of the the events, and should any interference arise, all AVS operation in the 3300-3500 MHz band will cease until resolved to the full satisfaction of the complainant. Prior coordination will occur with the American Radio Relay League, Incorporated through its regulatory affairs office in Connecticut.

The **Stop Buzzer contact on site** will be Mr. Argyle Nelson, whose cell phone number is 818-954-8842.

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

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