

Tait Towers Manufacturing, LLC
Application for Special Temporary Authority
FCC File Number 1304-EX-ST-2024
Frequency Coordination and Narrative Explanation of Operation
Concert Tour Video Production Operations, September 18 through 21, 2024

This is an application for a grant of Special Temporary Authority to conduct video production operations using RF cameras and RF camera control devices for a documentary production of a music concert tour. This application is related to the STA granted under FCC File 0175-EX-ST-2024 / Call sign WW9XSW and is being submitted to accommodate dates for a rehearsal and three additional concerts that are to take place after the dates authorized by that Grant. This request is occurring due to an unexpected extension of the tour by the producing organization after it had already begun.

The applicant, Tait Towers Manufacturing LLC, will be conducting the video production operations using RF cameras and camera control equipment owned by it, either at indoor venues or in enclosed or semi-enclosed stadiums and other venues, all of which exhibit a very high degree of signal attenuation due to high stadium or amphitheater walls surrounding the performances.

The concert tour is that of country music performer Morgan Wallen, to take place at the following additional dates and locations in 2024:

September 18	Neyland Stadium	Knoxville, TN (setup & rehearsal)
September 19, 20, 21	Neyland Stadium	Knoxville, TN (performances)

N 35° 57' 17.9" / W 83° 55' 29.9"

On each night at each venue, video production operations will only occur during the Morgan Wallen performances at each show, for periods of a few hours each.

Equipment to be used includes six RF cameras of various manufacture, each emitting a COFDM emission over a 10 megahertz occupied bandwidth, using an omnidirectional antenna, at power levels between 100 mW and 1 Watt TPO with a maximum of 2 Watts ERP. The bands requested are 2200-2290 MHz and 6875-7125 MHz. All operation will be coordinated in advance with the local SBE coordinator for the applicable broadcast market. For camera control, Vislink Focalpoint control units will be deployed in the band 170-490 MHz. Approximately six such transmitters will be used at each venue, each emitting a data emission with a 20 kilohertz occupied bandwidth, at a maximum 5 Watts TPO and ERP.

The “stop buzzer” contact on site at each venue is Robert Moore, who can be reached at (717) 344-0462. All equipment will remain under the immediate control of Tait Towers at all times and will be removed from each venue after each event.

Should any interference be reported at any venue at any time, operation will cease on the frequency at issue and will not be recommenced unless and until the complaining user is satisfied that the interference has been identified and resolved.

Should any questions arise concerning this proposed STA operation, please contact the undersigned Tait Engineer responsible for coordinating the company's RF Operations:

Chris Peterson
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