

NATIONAL FOOTBALL LEAGUE
Super Bowl XLIX® and related events, January 20 through February 2, 2015
Within 20 km of University of Phoenix Stadium, Glendale, Arizona
Special Temporary Authorization Request

This STA request will facilitate the operation of the NFL Super Bowl® at and near the University of Phoenix Stadium in Glendale, Arizona and the operations and logistics of arrangements before and briefly after this extremely large scale sporting event, including the Pro Bowl which will occur at the same venue one week earlier, January 25, 2015. This year, the Super Bowl will occur on February 1, 2015. It is necessary to start the STA operations well in advance of the Super Bowl event on January 20, because the uses of the frequencies sought by this STA include security and operational communications used in converting the regular football stadium venue into the Super Bowl venue: work that begins on or about January 18, 2015.

The STA proposes the use of UHF spectrum constituting television broadcast channels 14 (470-476 MHz), 18 (494-500 MHz) and 19 (500-506 MHz). The location of the major events associated with the Super Bowl are all well within a 20-kilometer radius of University of Phoenix Stadium. The coordinates of the Stadium, where the games will be played, are as follows: 33-31-39N, 112-15-45W.

With respect to the use of television broadcast channels 14, 18 and 19, an engineering study conducted by Engineer Karl Voss shows that there are no television, land mobile or other licensees authorized to use those channels within a 25-mile radius of the standard coordinates for the Stadium with the following exceptions: On channel 14, there are pending applications in Phoenix and two licensed LPTV stations, one located 70 miles from the Stadium and one located 72 miles from the Stadium. On Channel 18, there is a construction permit for an LPTV station which is shown in the CDBS database as being “not on air”. On Channel 19, there are several construction permits located approximately 13 miles from Phoenix; one located 65 miles from Phoenix, and a licensed station located 65 miles from Phoenix. Engineering calculations show that operations proposed in this STA will create no interference with reception of any of the foregoing stations that are on the air now, within their service areas. It is therefore believed that operation pursuant to this STA will not cause interference to over-the-air television viewers on any of the three channels. Engineer Karl Voss, who resides in Phoenix, will be on site and will conduct real time coordination operations to preclude any interference on any of those three channels.

Similar STA grants have regularly and consistently been made by the Commission in past years (See, e.g. WB9XOU, file numbers 0496-EX-ST-2003 and 0002-EX-ST-2005; WC9XUY, file number 0901-EX-ST-2006; WD9XBT, file number 0510-EX-ST-2007; WD9XQM, file numbers 0602-EX-ST-2008, and 0524-EX-ST-2009; WE9XQR, file numbers 0602-EX-ST-2010 and 0795-EX-ST-2011; and WH9XEU, file number 1165-EX-ST-2013).

All operation will be coordinated in advance, as are all radio frequency operations in and around these events, by the frequency coordinators of the Society of Broadcast Engineers in the Phoenix broadcast market, and on site by the NFL Frequency Organization Group of the National Football League.

The instant STA application specifies a maximum of 250 units to be deployed, but the number will likely be less than 250. That maximum number of units was granted by the Commission in previous years for the Super Bowl.

The active participation at the event by the NFL Frequency Organization Group, headed by Mr. Ralph Beaver, has avoided RF interference complaints at the past 17 Super Bowls through active, advance and real-time, on-site frequency coordination. The participation of the SBE frequency coordinator for the Phoenix broadcast market will insure that there is no interference in that broadcast market at this upcoming event. Any interference that cannot be immediately resolved will result in cessation of operation of the affected mobile operations on site.

Mr. Beaver will act as the “Stop Buzzer” contact on site. His information on-site is 813-376-1313. Otherwise, any information can be obtained from counsel for the applicant:

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