

JVCKenwood USA Corporation  
STA Application  
IWCE Convention Demonstration  
STA File Number 0112-EX-ST-2016

This STA Application proposes the use of Television Channel 14 for short-range demonstration and operation of JVCKenwood products within the Las Vegas Convention Center, and as well the use of 800 MHz conventional and 900 MHz land mobile channels, and the band 1920-1930 MHz for demonstration of products at a large land mobile radio show.

An engineering study has been conducted relative to the use of UHF TV Channel 14, which revealed that no interference will be caused to any over-the-air television station or low power television station. All demonstration operation will be inside the Las Vegas Convention Center. There will be no interference to any television viewer from operation in the 470-476 MHz band. The application also proposes the use of portions of the 800 and 900 MHz land mobile bands for very low-power demonstrations of JVCKenwood radio products at the IWCE land mobile radio show between March 25 and April 1 of 2017. Use of the 800 and 900 MHz bands follows all Part 90 rules. Use of the 1920-1930 MHz band is for the Digital Enhanced Cordless Telephone (“DECT”) channels for demonstration of a Part 15 wireless intercom product that has not yet received a grant of equipment authorization and is not yet being marketed or sold.

The “stop-buzzer” contact for this operation will be Angie Seay who can be reached at 770-497-3964. Additionally, regulatory counsel for JVCKenwood can be reached for stop-buzzer contacts at the following mobile number: 301-351-3795.

The STA sought is similar to STAs requested and granted in 2005 through 2016 for operation and demonstration of UHF, 800 MHz and 900 MHz Equipment Authorized devices at the IWCE trade show, Las Vegas, Nevada. The Prior STAs were WC9XDC, File Number 0129-EX-ST-2005; WC9XOF, File Number 0274-EX-ST-2006; WC9XWR, File Numbers 0075-EX-ST-2007, 0619-EX-ST-2007, 0084-EX-ST-2009; WE9XGZ, File Number 0111-EX-ST-2010 and 0130-EX-ST-2011; WF9XLC, File Number 0042-EX-ST-2012 in 2012; WG9XIH, File No. 0173-EX-ST-2013 in 2013; and WH9XHN, File Nos. 0083-EX-ST-2014 and 0192-EX-ST-2015; and WJ9XMV, File No. 0183-EX-ST-2016. This STA application is identical to that granted in 2016.

Information called for by Commission staff in connection with the previous filings of this STA application with respect to Television channel 14 is as follows: Proposed is simplex and repeater demonstrations: the portable radios will transmit at up to 2.5 Watts, and the repeater at ground level will be at 0.36 Watts (i.e. no amplifier).

1. TV channel Number: 14
2. Antenna location site elevation above mean sea level of Las Vegas Convention Center:  
623 meters.

3. Overall antenna height above ground level: 3.02 meters (small mobile antennas running from repeater rack and mount on booth display structures 3.02 meters above showroom floor).
4. Height of radiation center above ground level: 3.02 meters.
5. Maximum ERP is 0.005 kilowatts.
6. Maximum Transmitter power output is 0.005 kilowatts.
7. Non-directional antenna: small omnidirectional mobile antenna, unity gain.
8. Digital emission mask is simple, as indicated in lab reports submitted. (4-level FSK encrypted digital mode; 6.25 kHz emission Mask E envelope)
9. FM analog emission has zero offset. (12.5 kHz, emission mask D envelope).