

Kenwood USA Corporation
Special Temporary Authorization Application
Technical Exhibit
File Number 0075-EX-ST-2007
Confirmation Number EL583973

This application is identical to the STA requested and granted in 2006 (see WC9XOF, File No. 0274-EX-ST-2006) and in 2005 (See WC9XDC, File No. 0129-EX-ST-2005) for operation and demonstration of Equipment Authorized devices at the IWCE trade show, Las Vegas, Nevada. Information called for by Commission staff in connection with the previous filings of this STA application is as follows:

TV channel Number: 14

Antenna location site elevation above mean sea level of Las Vegas Convention Center: 2044 feet.

Overall antenna height above ground level: 10 feet (small mobile antennas running from repeater rack and mount on booth display structures 10 feet above showroom floor).

Height of radiation center above ground level: 10 feet.

Transmitter power output: 5 watts

Non-directional antenna: small omnidirectional mobile antenna, unity gain.

Out of band emission mask: TK-5300 portable and TKR-8500 Kenwood devices, transmitting 4-level FSK encrypted digital mode (6.25 kHz emission Mask E envelope) and FM analog (12.5 kHz, emission mask D envelope) per lab tests.

This STA Application proposes the use of Television channel 14 for short-range demonstration and operation of Kenwood products within the Las Vegas Convention Center. An engineering study has been conducted, which revealed that there is no on-air television station or low power television station within 100 miles of the Las Vegas Convention Center. There will therefore be no interference to any television viewer from operation in the 470-476 MHz band. However, the applicant will coordinate prior to operation with the Society of Broadcast Engineers, Indianapolis, Indiana, so that, in the unlikely event that any actual interference results, it can be immediately resolved. In such a case, the applicant will immediately cease operation and not resume such absent a solution satisfactory to the complainant and the SBE Frequency Coordinator.