KENWOOD
Listen to the Future

Licensing Kenwood's NEXEDGE™ Technology

Current FCC Rule Requirements

- Narrowbanding – The FCC has established January 1, 2013, as the date certain for licensees to be operating maximum bandwidths of 12.5 kHz or equivalent technologies within the VHF/UHF bands. This rule is applicable to both B/ILT and Public Safety systems. There has been no date certain adopted by the FCC for licensees to migrate to 6.25 kHz or 6.25 kHz equivalent bandwidths.
- Emission Designation – FCC rules require licenses to reflect the current types of emission in use. The deployment of NEXEDGE™ equipment operating in digital modes mandates the addition of one or more of the following emission designations for either new deployments or for system modifications where NEXEDGE™ technology is being integrated within an existing system:

8K30F1E	12.5 kHz single channel digital voice
8K30F1D	12.5 kHz single channel digital data
8K30F7W	12.5 kHz single channel digital voice + data
4K00F1E	6.25 kHz single channel digital voice
4K00F1D	6.25 kHz single channel digital data
4K00F7W	6.25 kHz single channel digital voice + data
4K00F2D	6.25 kHz single channel analog CW ID

- License Modification – The FCC requires evidence of frequency coordination and license modification should an emission designator be either added or changed to an existing authorization. This is necessary so that the FCC's certified B/ILT and Public Safety coordinators may properly record new and/or modified 6.25 kHz applications within the existing frequency use environment, which will enable the new technology to be noted during subsequent frequency availability analyses to maximize system compatibilities.

6.25 kHz Channel Availability

- Shared Conventional/Decentralized Trunked Systems – Channels are available in accordance with the FCC's 6.25 kHz frequency band plan. For 6.25 kHz frequencies that are to be placed on 12.5 kHz channel centers, EWA will review incumbent licensee records +/- 3.75 kHz to identify optimum channel availability during its frequency coordination analyses. For 6.25 kHz frequencies that are to be placed on 6.25 kHz channel centers immediately offset to adjacent 12.5 kHz channels, EWA will review incumbent licensee records +/- 7.5 kHz to identify optimum channel availability.
- Centralized Trunked Systems - EWA will apply the same procedures noted above and will perform appropriate contour analyses consistent with FCC Rules & Regulations, Section 90.187, to determine the availability of FB8 and MO8 stations classes which provide for exclusive frequency use within centralized trunked systems.

Contacting EWA

Kenwood encourages you to contact EWA for any questions that you may have regarding FCC rule compliance, licensing requirements and/or spectrum availability as you plan to deploy 6.25 kHz NEXEDGE™ technology. EWA is a Kenwood USA Corporation supporter and is currently assisting wireless sales and service providers through the FCC and frequency coordination processes necessary to access the benefits associated with these new narrowband digital technologies. Please call either the EWA Mclean or Gettysburg offices for any assistance at the numbers provided above, or visit www.enterprisewireless.org. EWA looks forward to serving your spectrum interests.

EWA Enterprise Wireless Alliance®
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