

Radio Users

VHF/UHF (150–174 MHz & 421–512 MHz)

1/1/2011 Applications for new systems using 25 kHz channels, or modification applications that expand the authorized contour of an existing 25 kHz station, will not be accepted.

1/1/2013 Radio systems must operate in 12.5 kHz or narrower channels.

No Date Set Modifications to existing systems – must employ equipment capable of operating in 6.25 kHz channels or demonstrating an equivalent spectrum efficiency.

No Date Set Radio systems must operate in 6.25 kHz channels or demonstrate an equivalent spectrum efficiency.

700 MHz

1/1/2015 700 MHz voice systems operating before this date can continue to operate in 12.5 kHz channels until 12/31/2016. All new systems must operate in 6.25 kHz channels or demonstrate an equivalent spectrum efficiency.

1/1/2017 All 700 MHz systems must operate in 6.25 kHz channels or demonstrate an equivalent spectrum efficiency.

Radio Manufacturers

VHF/UHF (150–174 MHz & 421–512 MHz)

1/1/2013 Equipment operating with a maximum channel bandwidth greater than 12.5 kHz shall not be manufactured or imported unless it demonstrates a 12.5 kHz or less equivalent spectrum efficiency.

1/1/2013 Any new equipment submitted to FCC for certification must be capable of operating in 6.25 kHz channels or demonstrating an equivalent spectrum efficiency.

700 MHz

1/1/2015 Any new 700 MHz equipment submitted to FCC for certification and sale must be capable of operating in 6.25 kHz channels or demonstrating an equivalent spectrum efficiency.

FCC documents for reference (all from CFR Title 47)

Part 90.203(j): Certification required

Part 90.209(b): Bandwidth limitations

Part 90.201–90.219: (Subpart 1, General technical standards)

Part 90.521–90.553: (Subpart R, Regulations Governing the Licensing and Use of Frequencies in the 763–775 and 793–805 MHz Bands)

Part 90.1401–1440: (Subpart AA, 700 MHz Public/Private partnership)

Also refer to FCC Order 10–119

While every effort has been made to ensure the accuracy of this information, Tait makes no guarantee or representation, expressed or implied, of the accuracy of the information presented here. This information is correct at June 30 2010, however FCC regulation may change, so for up-to-date information check the following websites:

www.fcc.gov/pshs/techtocps/techtocps16.html

www.ojp.usdoj.gov/nij/topics/technology/communication/fcc-narrowbanding.htm

www.apco911.org/frequency/documents/NarrowbandOrder.html

- ✓ P25 CAP recognized laboratory
- ✓ P25 Trunking
- ✓ P25 Simulcast
- ✓ P25 Conventional
- ✓ AES and DES encryption
- ✓ FIPS 140-2 certified
- ✓ P25 Key Management Facility
- ✓ P25 Key Fill Device
- ✓ Fast Key Fill
- ✓ Over-The-Air Rekeying
- ✓ Tait Advanced System Key
- ✓ Buy Tait on GSA Advantage!
- ✓ 700/800 MHz
- ✓ UHF
- ✓ VHF
- ✓ TB9100 P25 base station/repeater
- ✓ TP9100 P25 portables
- ✓ TM9100 P25 mobiles
- ✓ Hand-held control head
- ✓ Transportable repeater
- ✓ 110W mobile
- ✓ Intrinsically Safe