

Radio Users

1/1/2011 **VHF/UHF (150-174MHz and 421-512MHz)**
Applications for new systems using 25kHz channels, or modification applications that expand the authorized contour of an existing 25kHz station, will not be accepted.

1/1/2013 **VHF/UHF (150-174MHz and 421-470MHz)**
Radio systems must operate in 12.5kHz or narrower channels.

The FCC has stated that migration to 12.5kHz is a transitional step in the eventual migration of PLMR systems to 6.25kHz technology. It has not yet set a date for 6.25kHz migration.

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

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

Radio Manufacturers

1/1/2013 **VHF/UHF (150-174MHz and 421-470MHz)**
Transmitters capable of one voice path per 25kHz of channel bandwidth shall not be manufactured in, or imported into, the United States after January 01, 2013.

1/1/2013 **VHF/UHF (150-174MHz and 421-512MHz)**
Any transmitter submitted to FCC for certification must be capable of operating in 6.25kHz channels or demonstrating an equivalent spectrum efficiency.

1/1/2015 **700MHz**
Any 700MHz transmitter manufactured, imported, marketed, or submitted to the FCC for certification must be capable of operating in 6.25kHz channels or demonstrating an equivalent spectrum efficiency.

FCC documents for reference (all from CFR Title 47)

Part 90.203(f): 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 & Use of Frequencies in the 763-775 & 793-805MHz Bands)

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

Also refer to FCC Orders FCC 10-119 and DA 12-642

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 as of July 13, 2012, however FCC regulation may change, so for up-to-date information check the following websites:

www.fcc.gov/pshs/techtopics/techtopics16.html

www.fcc.gov/encyclopedia/vhfuhf-narrowbanding-information

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

- ✓ 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!
- ✓ 700/800MHz
- ✓ UHF
- ✓ VHF
- ✓ TB9100 P25 base station/repeater
- ✓ TP9100 P25 portables
- ✓ TM9100 P25 mobiles
- ✓ Hand-held control head
- ✓ Transportable repeater
- ✓ 110W mobile
- ✓ Intrinsically Safe