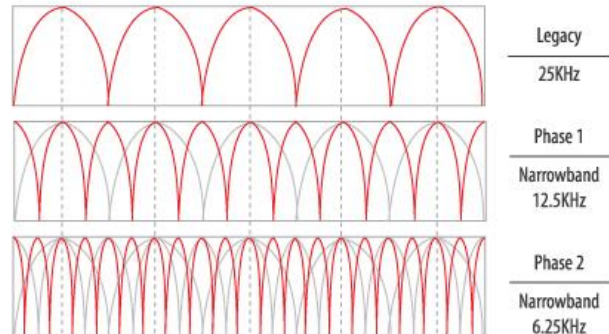


# FCC Mandated Narrowbanding

## Overview

The Federal Communications Commission (FCC) is mandating all public safety and business radio users convert existing 25 kHz radio systems to minimum narrowband 12.5 kHz efficiency technology by January 1, 2013. The purpose of the narrowband mandate is to promote more efficient use of the VHF and UHF land mobile frequency bands.



## Who Does This Affect?

This affects all radio users with equipment using 25 kHz channels. If you do not know if your radios use 25 kHz or 12.5 kHz the quickest way to find out is by contacting us. Many radio users already use 12.5 kHz and this will not affect them. For those who don't, a migration is mandatory before 2013. If you fail to meet the deadline you will face severe penalties from the FCC and possibly loss of communications.

## Timeline

**January 1<sup>st</sup> 2011** – At this date you will no longer be able to purchase 25 kHz radios. This will affect many radio users because if you haven't converted your radio system to 12.5 kHz your existing radios will not be compatible with any new radios you purchase. We highly recommend you convert before 2011.

**January 1<sup>st</sup> 2013** – This is when phase 1 goes into effect. At this date you will no longer be allowed to use 25 kHz radios at all. If you have an FCC license and have not converted it to 12.5 kHz by this time you risk losing your FCC license. You also risk fine and penalty from the FCC for operating 25 kHz radios.

## What Should You Do?

- ✓ **Modify your FCC license** – If you use our private frequencies we will handle this step. If you have your own frequency we can assist from start to finish in modifying your FCC license to 12.5 kHz.
- ✓ **Determine if your current radios are compatible** – Most equipment made in the last five years is 12.5 kHz compatible. Call us today to determine if your radios are 12.5 kHz compatible.
- ✓ **Reprogram your radios** – If your radios are 12.5 kHz compatible we simply need to reprogram them. This is an easy process. Call us today to schedule a reprogramming.
- ✓ **Replace non-compatible radios** – If your radios are not compatible with 12.5 kHz you will ultimately need to replace them before 2013. Ask us about our narrowbanding specials.

## What About Phase 2 - The 6.25 kHz Mandate?

Although there is no firm date yet, the FCC has stated that phase 2 of narrowbanding will require a transition to 6.25 kHz. If you want to be prepared for this phase as well, Megahertz can help your business deploy new digital radio technology. Digital TDMA radios allow two simultaneous voice channels within one 12.5 kHz channel. Because of this efficiency, digital radios will satisfy the 6.25 kHz mandate. Digital radios have many other benefits such as private calls, text messaging, GPS, increased battery/coverage and many more.

For more information visit our website at [www.mhztech.com](http://www.mhztech.com) or call 214-365-0933