



***“Project 25” National Standard Two-way Voice/Data Radio Communications
Implementation Plan Update***

August 6, 2019

The original design of the first phase of our P25 digital radio network installation was to implement a single channel P25 digital simulcast radio network, transmitting from seven (7) different communications sites across Monroe County.

That mission was completed on Friday August 2nd at 17:00hrs by TuWay Communications of Bethlehem, who “turned up” the final transmitter making all seven transmitter sites fully operational.

Our next step is to conduct systematic field coverage tests, aka “drive tests” facilitated by our staff as well as with field units who may already have P25 radio equipment in hand.

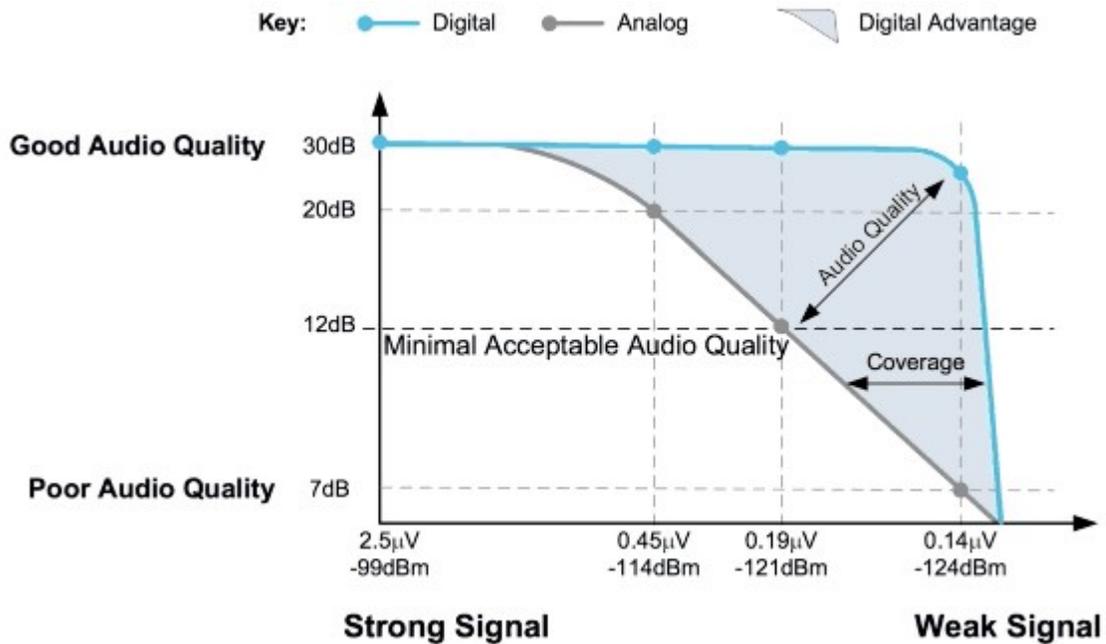
We’ve conducted some preliminary “drive tests” before all of the 7 sites were installed and the coverage results are quite impressive to say the least.

I want to advise everyone that we cannot make any claims to the extent of ultimately how good the two-way radio coverage will be. There is a tremendous amount of extenuating circumstances that can adversely affect coverage.

We do not totally depend on computer generated coverage models either. We use them as a guide and only a guide. It’s the field tests which we can depend upon.

Remember; there are many “natural” and environmental challenges which will effect this system as with any other. Foliage, external electrically generated RF interference etc.

There’s no doubt that the coverage initially seems to echo the graph below as it pertains to the difference between analog and digital radio propagation, but again, this is an example of a computer generated model.



I will continue to provide updates as they come to brief those interested parties through our website; www.monroeco911.com.

Please, if you have any questions or concerns please call me at 570-992-4500 or email me at ghoffman@monroeco911.com.

Thank you.

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 Monroe County Control Center