

Erie County Communications Committee

L. Robert Kimball &
Associates



County Plan for UHF

- Two-channel digital simulcast for ECSO
- Migration of Low Band Fire Systems to simulcast UHF system
- Single UHF channel for County-wide Mutual Aid Fire simulcast
- Single UHF channel for County-wide Mutual Aid Law Enforcement simulcast
- Single Channel for County-wide Emergency Services simulcast



Other Frequencies

- 421 – 430 MHz Band Frequencies
 - 52 Possible Frequency Pairs available for use in Buffalo
 - Only 2 pairs MAY be available all others are licensed



Other Frequencies

- 450 – 470 MHz Band
 - Nearly 90 Channel Pairs reviewed
 - ~20 Pairs may be Candidates
 - County will attempt to license
 - May need Letters of Concurrence
 - May be co-channel interference
 - May be issues with Canada
 - May be other issues with frequencies

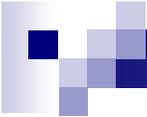




Other Frequencies

- Some commercial frequencies may be available for use by the County through local radio shops.





Future Narrowband

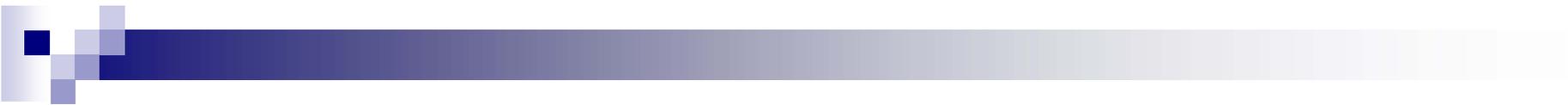
- Once all County frequencies are narrowbanded, there MAY be some spectrum available in the adjacent channels created.



Sites

- Chestnut Ridge
- Townsend Hill
- City Hall
- Colden
- Perrysburg
- Sardinia
- Tonawanda (Military Road)
- Newstead Water Tower
- Others where needed

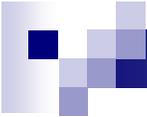




Sites (Contd.)

- Items to be evaluated
 - Shelter Space
 - Tower Capacity
 - Generator Capacity
 - Grounding
 - Security

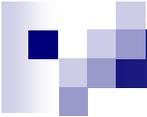




Basic Radio Requirements

- Equipment Requirements available
- Distributed after meeting



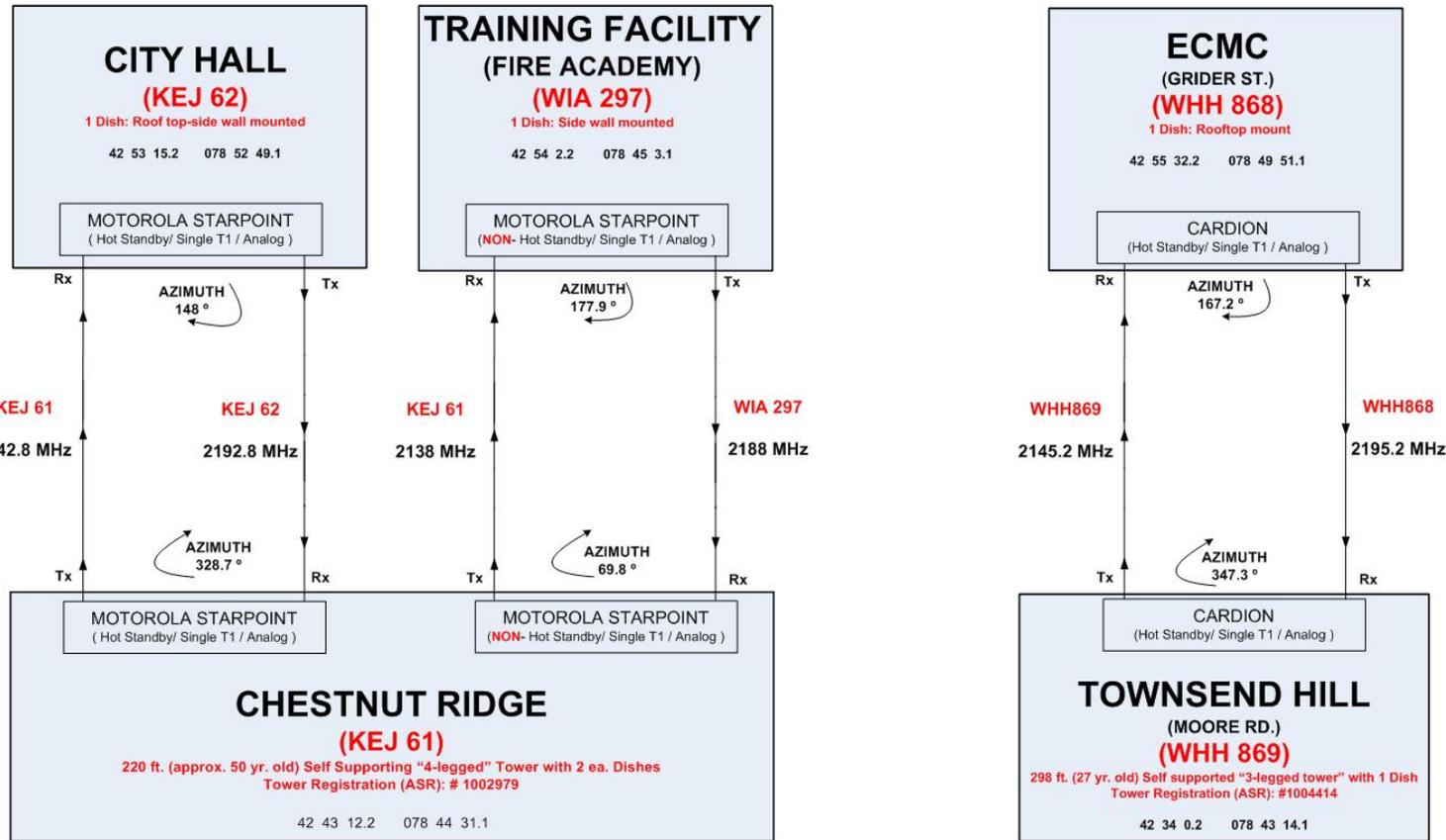


Microwave System

- T-Mobile interested in acquiring Erie County existing 2.1GHz frequencies
- Erie County and T-Mobile currently in negotiations



Existing County Microwave

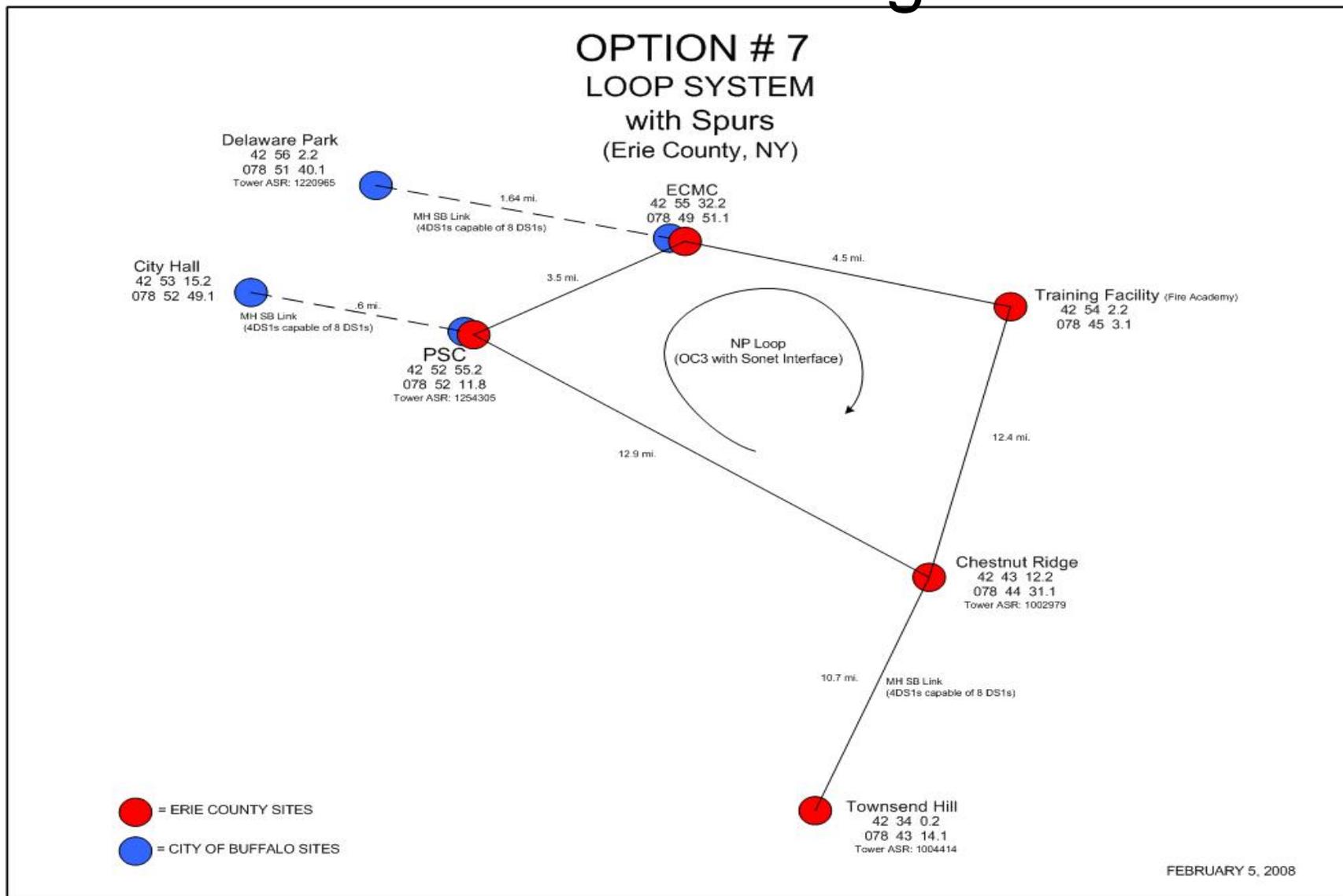


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	2.0
Date:	1-11-08
Scale:	No Scale

**2.1 GHz EXISTING MICROWAVE SYSTEM
 ERIE COUNTY, NEW YORK**

Preferred Microwave Design



Next Steps

- County to continue negotiations with T-Mobile for microwave upgrade
- Kimball to begin attempting to license frequencies on behalf of the County
- Kimball to begin narrow-banding of existing UHF frequencies on behalf of the County
- County to investigate additional sites (as required) based on results of available coverage maps
- Preliminary discussions with Skywave regarding SOW



QUESTIONS ??

If you have questions, Please Contact
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