

MICHIGAN PUBLIC SAFETY RADIO COMMUNICATION SYSTEM VS. CHARLEVOIX, CHEBOYGAN AND EMMET COUNTY'S CURRENT RADIO SYSTEM

Michigan's 800 MHz - UHF (Ultra High Frequency) "PUBLIC SAFETY" RADIO SYSTEM

The state 800 Radio System is robust, reliable and resilient .

- **All Neighboring County's Public Safety Agencies** are using the 800 radio system
- **84% of all Michigan Counties** use the 800 radio system
- **Increased Radio Communication Reliability to 96% or above for those Counties**

Improved Interoperability (Ability to talk to other agencies) Strength and Coverage Area for those Counties

- **Enhanced First Responder Efficiency in those Counties**
- **Enhanced Citizen and First Responder Safety in those Counties**



The 800 MHz - UHF Radio System is being used by 84% of Michigan Counties for Firefighters, Law and EMS responders.

“Our current radio system is obsolete and presents serious safety issues for our citizens and for our Law Enforcement, Fire, and EMS agencies. Radio communication is more important now than ever before because today's events can unfold in an alarmingly rapid fashion. Fires, floods, crimes in progress, shootings, weather emergencies and other events can put law enforcement, fire, and EMS to the test at any given time. The 800 MHz Public Safety Radio System would provide the Technological answer to that test.”

**Charlevoix County
Sheriff Chuck Vondra**

**Cheboygan County
Sheriff Dale Clarmont**

**Emmet County
Sheriff Pete Wallin**



Emergency Services Need Reliable Radio Communication to Help Citizens

C.C.E. 9-1-1 Central Dispatch Authority

C.C.E. Central Dispatch Authority is the 9-1-1 Public Safety Answering Point for the counties of Charlevoix, Cheboygan, and Emmet. C.C.E. intakes both emergency and non-emergency 9-1-1 calls for service from citizens every day.

All Emergency Services in the three county area including Law Enforcement, Fire and EMS are coordinated and dispatched through the outdated VHF radio system currently in use. C.C.E. dispatches for:

- **13 Law Enforcement Agencies**
- **25 Fire Departments**
- **9 EMS Agencies**
- **11 Medical First Responder Units**

Charlevoix Cheboygan Emmet County (C.C.E.) 9-1-1 Emergency's Current VHF Radio System

As of January 1, 2013, all public safety and industrial/business land mobile radio systems were required by the Federal Communications Commission (FCC) to decrease (Narrowband) their very high frequency (VHF) bandwidth.

Public Safety Radio Frequencies were Decreased from 25KHz to 12.5 KHz (Low Frequency)

Radio Communication Efficiency was Cut in Half

C.C.E. has spent time and money trying to restore coverage since the FCC mandated the bandwidth be decreased

Still Radio Communication is only Reliable approximately 70% of the time (Radio study conducted by the Radio Steering Committee) and

30% of all Radio Transmissions are now Unreliable (May not be heard)

The VHF System has been in use in the tri-county area since 1996 and is NOT Reliable 30% of the time for Public Safety.

The FCC Plans to decrease (Narrowband) these frequencies again in the future.