



**NOTICE and AGENDA for**  
**Kalamazoo County Consolidated Dispatch Authority**  
**Technical Advisory Committee**  
**January 4, 2023**

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**PLEASE TAKE NOTICE** that a REGULAR Meeting of the Kalamazoo County Consolidated Dispatch Authority Technical Advisory Committee will be held on **Wednesday, January 4<sup>th</sup>**, at 10:00 a.m. in the Chief Switalski Meeting Room at Kalamazoo County Consolidated Dispatch Authority, 7040 Stadium Drive, Kalamazoo Michigan for consideration of items, namely, on this Agenda.

**ITEM 1 – CALL TO ORDER**

**ITEM 2 – ROLL CALL**

Township of Kalamazoo Police Department Bryan Ergang, Chairperson	Western Michigan University Public Safety Scott Merlo, Vice-Chairperson	
Kalamazoo Department of Public Safety	Kalamazoo County Sheriff’s Office	
Michigan State Police	Portage Department of Public Safety	
Kalamazoo County Medical Control Authority	Kalamazoo County Fire Chiefs Association	

**ITEM 3 – ORGANIZATIONAL ITEMS**

- A. Election of Chairperson
- B. Election of Vice-Chairperson

**ITEM 4 – APPROVAL OF MEETING MINUTES**

- C. November 3<sup>rd</sup> – Regular Meeting

**ITEM 5 – CITIZENS’ TIME**

The Committee welcome members of the public to express their ideas or concerns about issues affecting Kalamazoo County Consolidated Dispatch Authority. Members of the public wishing to speak are requested to stand at the podium and state your full name and address for the record. Each member of the public is limited to four minutes or less.

**ITEM 6 – FOR CONSIDERATION**

- A. Administrative Monthly Report (A verbal report will be provided if the written version is not available before the meeting)
- B. Old Business
  - 1. MPSCS Kalamazoo Subsystem Project (Update)
    - a. Review Comm Studies with and without 5108
    - b. Decision to go-live with Simulcast System
- C. New Business
  - 1. Direct Dispatch of MSU1/2 – February 1<sup>st</sup>
  - 2. KDPS Request:
    - a. ADD Bike Patrol Call-Sign Designator – BP-(1-30)
    - b. ADD Disposition Code Designator – Bike Patrol
  - 3. Feasibility & Cost Analysis for KCCDA to host Law Enforcement Hexagon RMS
  - 4. Canadian National Railroad Police – Law Enforcement Talkgroup Request

**ITEM 6 – OTHER ITEMS**

- D. Announcements and Member Comments
- E. Next Meeting – March 1, 2023

**ITEM 7 – ADJOURNMENT**



## **MEETING MINUTES for**

### **Kalamazoo County Consolidated Dispatch Authority TECHNICAL ADVISORY COMMITTEE November 2, 2022 – Regular Meeting**

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#### **ITEM 1 – CALL TO ORDER**

The Regular Meeting of the Technical Advisory Committee was called to order by Chief Bryan Ergang at 10:00 a.m. on Wednesday, November 2, 2022, in the Chief Switalski Meeting Room at Kalamazoo County Consolidated Dispatch Authority, 7040 Stadium Drive, Kalamazoo, Michigan.

#### **ITEM 2 –ROLL CALL**

Members Present: Bryan Ergang (KTPD), Matt Huber (KDPS), Scott Ernstes (MSP), Scott Merlo (WMUPD), Jeff Christensen (KCSO), Nick Arnold (PDPS), Gerry Leudecking (KCFCA)

Others Present: Chris Franks, Ryan McGregor, Tim Unangst, Steve Stryd, Jon Moored, Justin Johnson, Chris McComb, Jeff Troyer

#### **ITEM 3 - APPROVAL OF MEETING MINUTES**

##### **A. September 7, 2022 – Regular Meeting**

“Motion by Mr. McGregor, second by Mr. Huber to approve the September 7, 2022, Regular Meeting Minutes as presented.”

On a voice vote, **MOTION CARRIED.**

#### **ITEM 4 – CITIZEN’S TIME**

There were no citizen comments.

#### **ITEM 5 - FOR CONSIDERATION**

##### **A. Administrative Monthly Report**

Mr. Troyer stated the written version will go out when complete. Highlights from the report:

1. On November 7 there will be three new ECO I’s and one new ECO II starting.
2. Today we are cutting over to the new on-site Vesta controller. It used to be hosted from Grand Rapids, but we have had connectivity issues and we are large enough to host our own.

## B. Old Business

### 1. MPSCS Kalamazoo Subsystem Project Update

Mr. Troyer stated the project is ongoing. All new simulcast sites have been installed and testing is done. The Lamont site link is not passing for simulcast so we must wait until PFN fiber is installed at the WMU site. As of today, go live is still scheduled for late November/early December. The cutover plan is complete and will take two days. Each site must come online independently. Dates will be distributed when they are finalized. We may need to call a special meeting because there will be some degradation of service for a couple days.

### 2. 07.01 - EMS Communication Plan Changes (P1-ECHO Nature Code)

Mr. Troyer stated this is first TAC meeting since we began using Priority 1 ECHO and asked for comments.

Mr. Leudecking stated his guys shut it off because there were too many that aren't truly ECHOs.

Mr. Troyer stated that initially there were some errors as the dispatchers got used to the new code but there was only one in the last ten days. The EMS agencies are responsible for the prioritization of all medical calls. Our staff is not required to make the determination but have the flexibility to pre-emptively classify and dispatch if we believe it fits the criteria.

### 3. Incident Disposition Requirement

Mr. Troyer gave a review of incident disposition codes and how the Behavioral Health code is being used.

## C. New Business

### 1. Cybersecurity Assessment Results

Mr. Troyer stated that MPSCS received grant monies and hired Motorola's cybersecurity division to test their network. They expanded the test because dispatch centers have radio consoles with direct access making it vulnerable to attack. There was no cost to us, as they used us for an example to show other centers how it works.

Mr. Moored presented a review of network penetration testing and what it entails. He stated they did an internal and external mock attack and overall, the risks found in the report are acceptable and insignificant findings.

### 2. 911 and Non-Emergency Call Flow

Mr. Troyer stated there was a copy of call workflow in the agenda packet, pursuant to the telephony controller upgrade. He stated we are moving to a different call intake process. He presented a review of call queues and will be discussing Storm Mode in more detail later. He stated Genesee is also using this, but they have no overflow agency. Once we migrate to geo-routing calls early next year, we can divide the county up so calls can be split to neighboring centers since none of them can handle our workload in addition to theirs. The goal is to take our service to another level. We are big enough and there's enough resources out there that we need to make use of them.



### 3. Pursuit Radio Communications and Patching Talkgroups

Mr. Troyer reminded everyone of the conditions that exist if field units request or dispatchers patch two encrypted talk groups together. This forces radios to utilize a super key encryption and MSP's is different than other agencies. Therefore, if two encrypted talk groups are patched, MSP units cannot hear anyone else's traffic. During pursuits with multiple agencies, stay on your primary channel and Statewide 5 will be patched if necessary. Statewide 5 is the go-to and all agencies have it.

### 4. 2023 Meeting Dates

Mr. Troyer proposed a meeting schedule of the first Wednesday of every other month again for 2023. He stated special meetings can be called if needed.

### ITEM 6 – **OTHER ITEMS**

#### D. Announcements and Member Comments

Mr. Ergang led a discussion of election operations.

#### E. Next Meeting

The next Technical Advisory Board meeting will be Wednesday, January 4, 2023, at 10:00 am, and will be held in the Chief Switalski Meeting Room at KCCDA, 7040 Stadium Drive, Kalamazoo, MI 49009.

### ITEM 7 - **ADJOURNMENT**

#### F. Adjournment

The meeting was adjourned at 10:58 a.m.

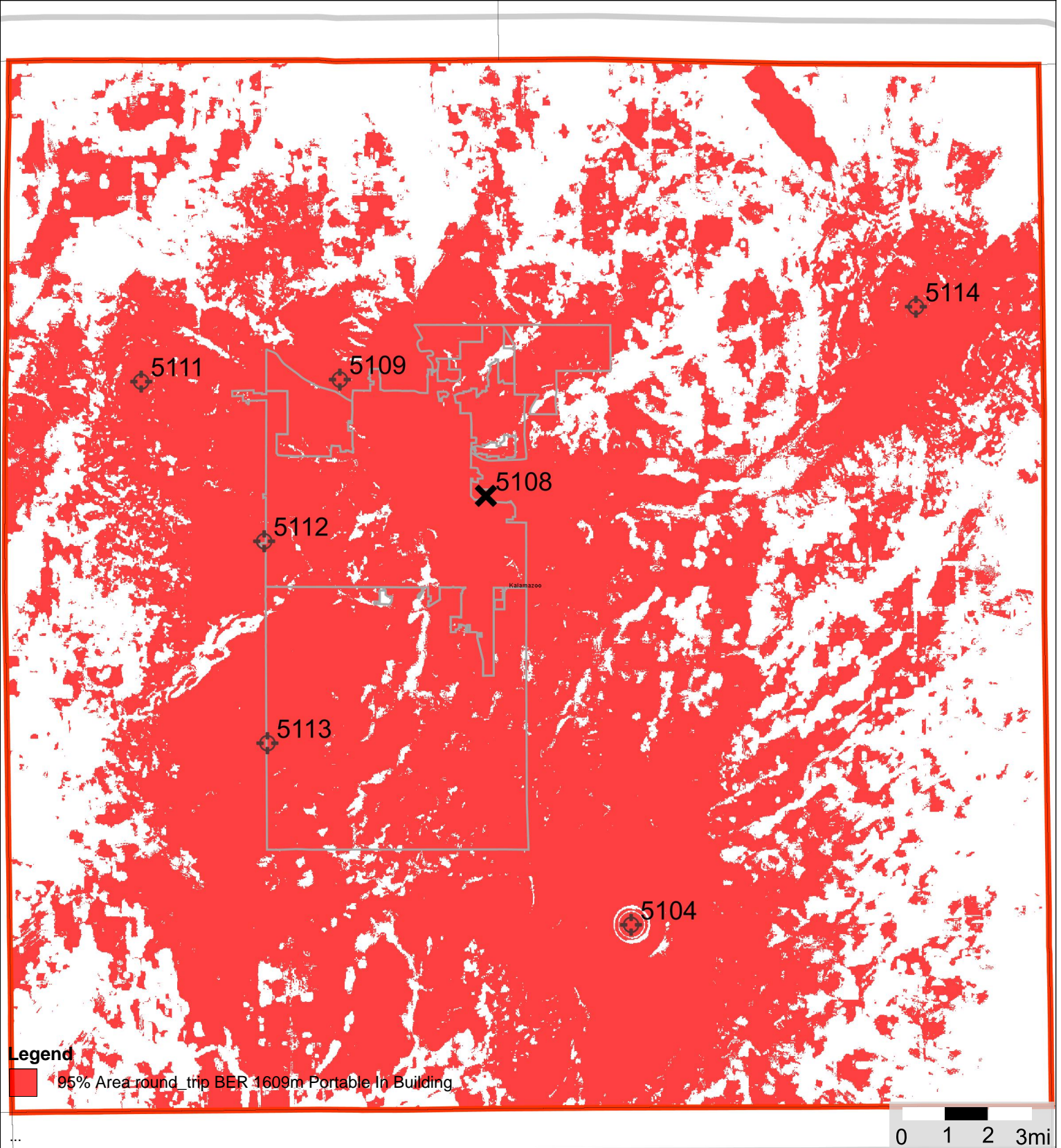


# Outbound BER portable 8db building loss

For Information Only

**MOTOROLA**  
SOLUTIONS

Outbound BER Informational only w 5108



Printed: 12/09/2022  
System version: 2.9.12.0

Solution: Kalamazoo Existing MPSCS Coverage  
Project: Kalamazoo CATP  
Design: Design 6 Final minus 5108  
CJR005

This map is intended solely for the equipment configuration stated above.  
Coverage can vary significantly if different configurations are used.



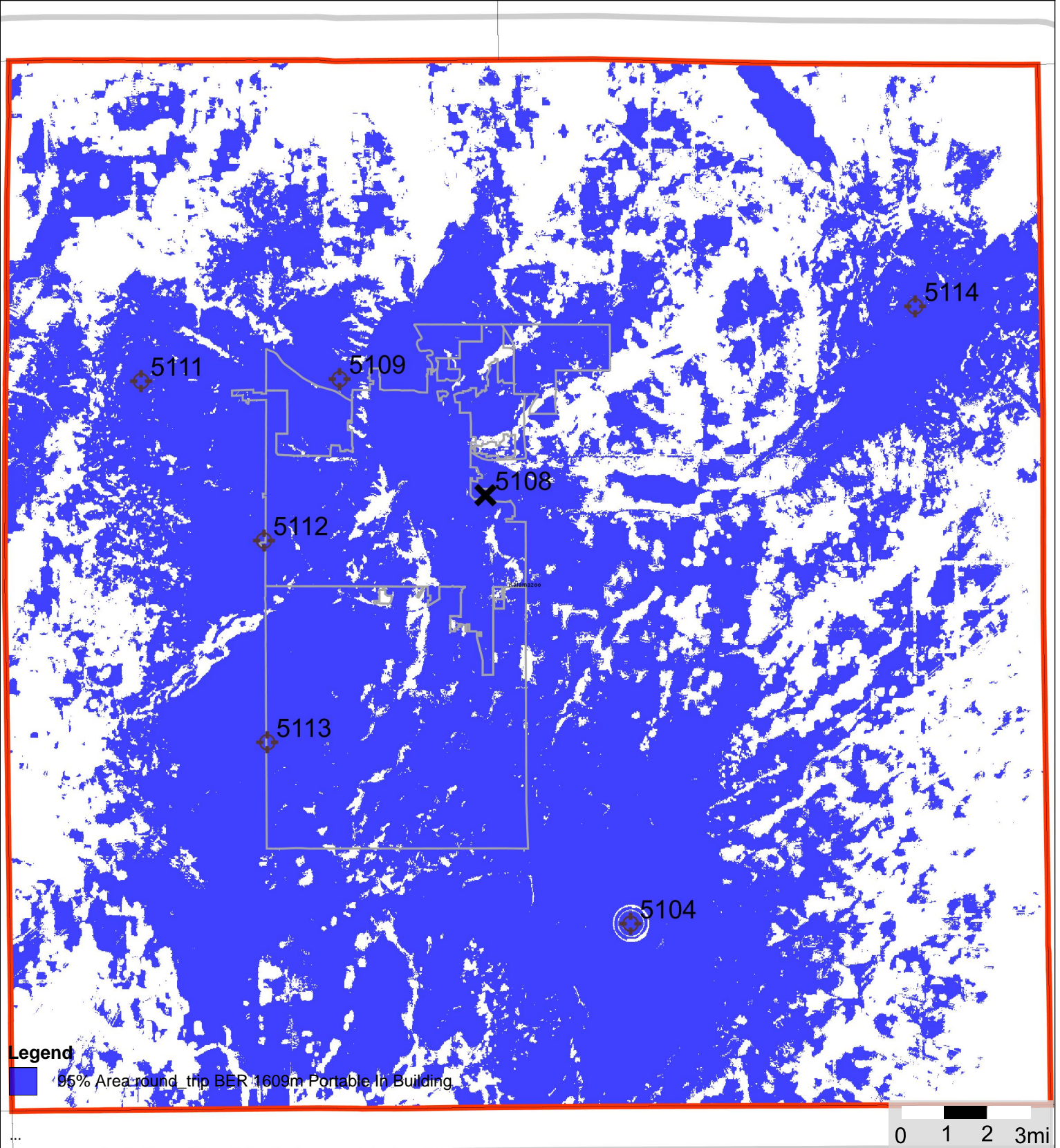


# Outbound BER portable 8db building loss

For Information Only

**MOTOROLA**  
SOLUTIONS

Outbound BER Informational only w/o 5108



### Legend

 96% Area round trip BER 1609m Portable In Building

Printed: 12/09/2022  
System version: 2.9.12.0

Solution: Kalamazoo Existing MPSCS Coverage  
Project: Kalamazoo CATP  
Design: Design 6 Final minus 5108  
CJR005

This map is intended solely for the equipment configuration stated above.  
Coverage can vary significantly if different configurations are used.



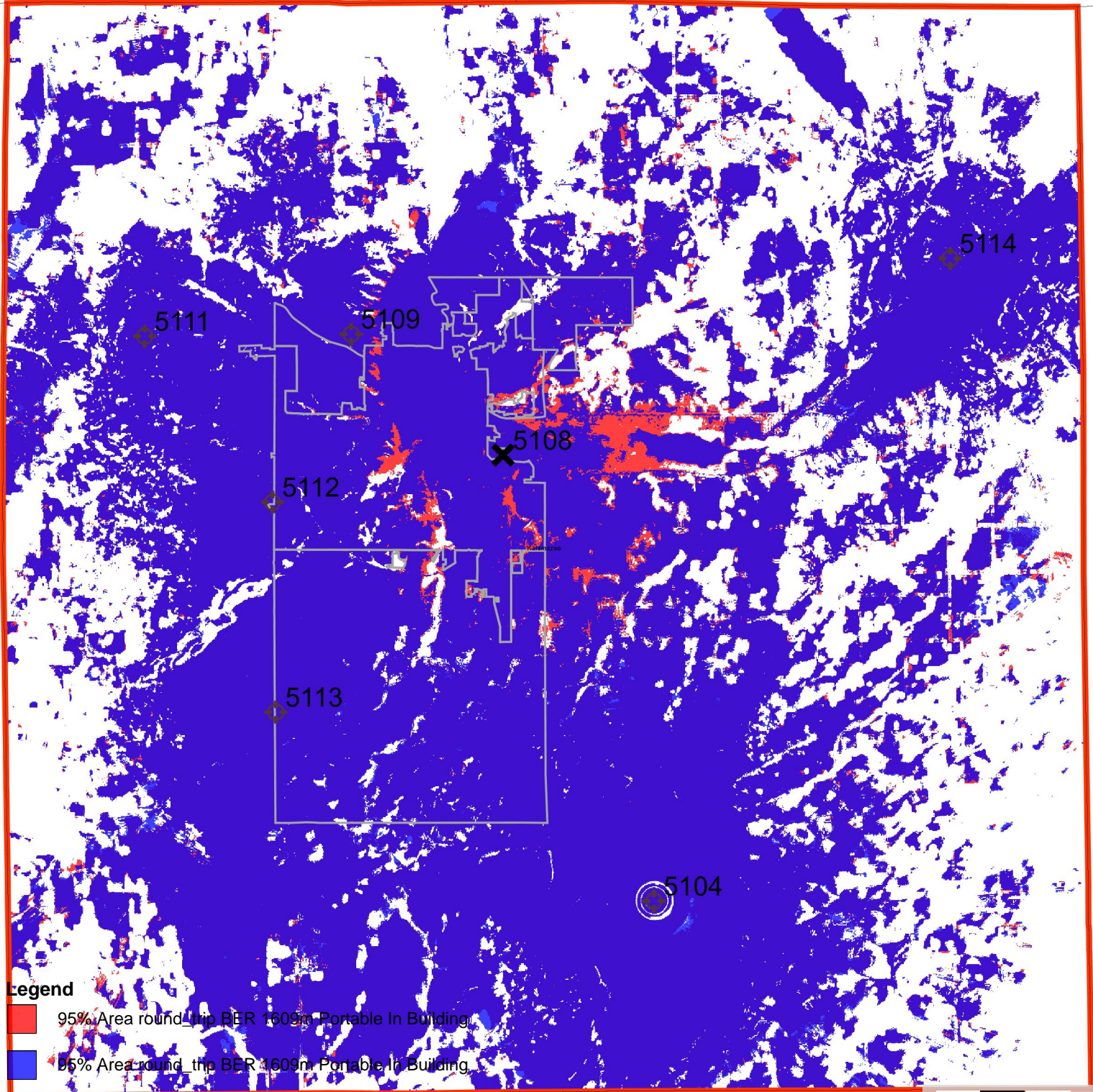


# Outbound BER portable 8db building loss

For Information Only

**MOTOROLA**  
SOLUTIONS

Outbound BER Informational only w/o 5108



Printed: 12/09/2022  
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Solution: Kalamazoo Existing MPSCS Coverage  
Project: Kalamazoo CATP  
Design: Design 6 Final minus 5108  
CJR005

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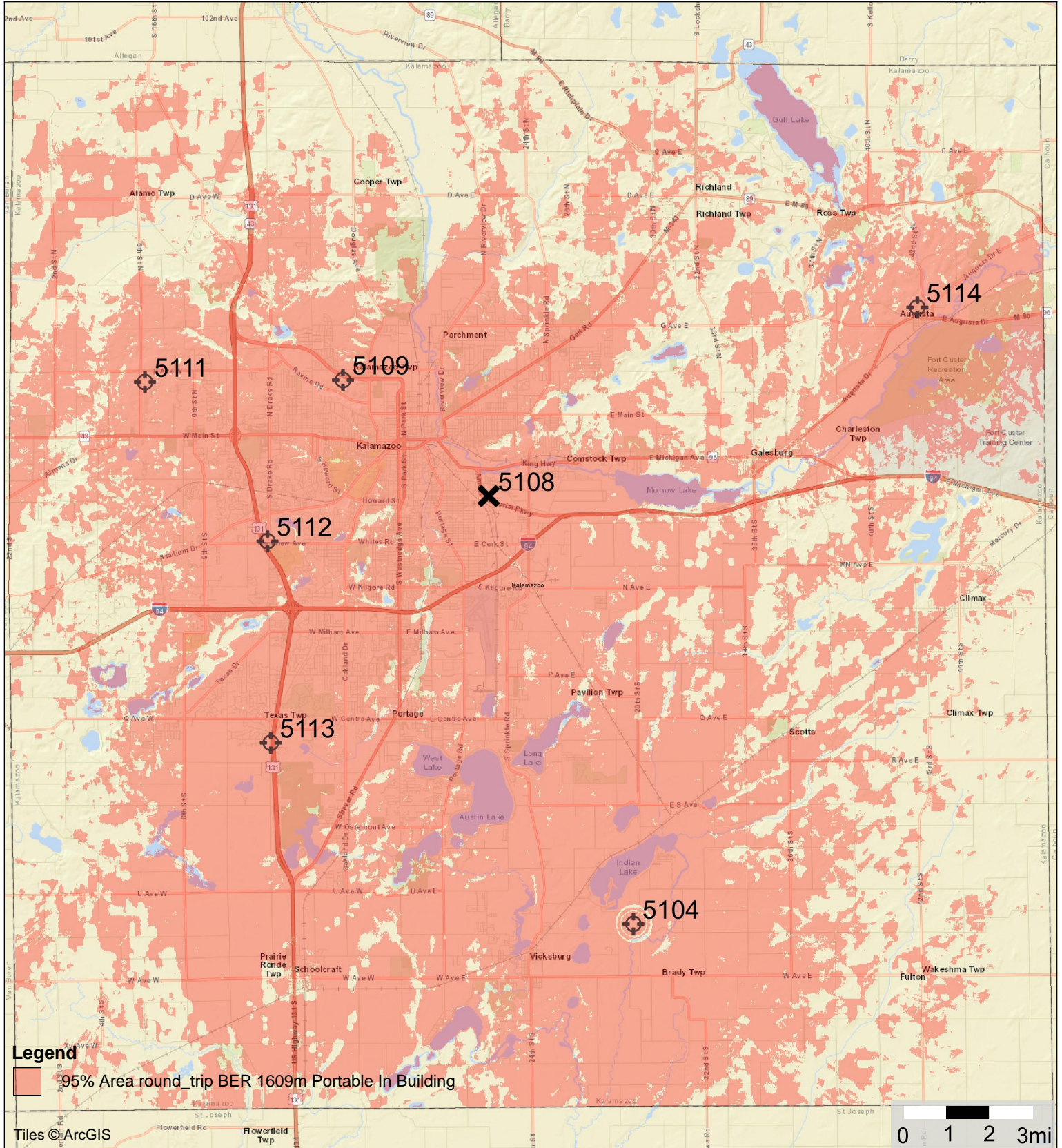


# Roundtrip BER portable 8db building loss

For Information Only

**MOTOROLA**  
SOLUTIONS

Roundtrip BER Informational only with 5108



Printed: 12/29/2022  
System version: 2.9.12.0

Solution: Kalamazoo Existing MPSCS Coverage  
Project: Kalamazoo CATP  
Design: Design 6 Final minus 5108  
CJR005

This map is intended solely for the equipment configuration stated above.  
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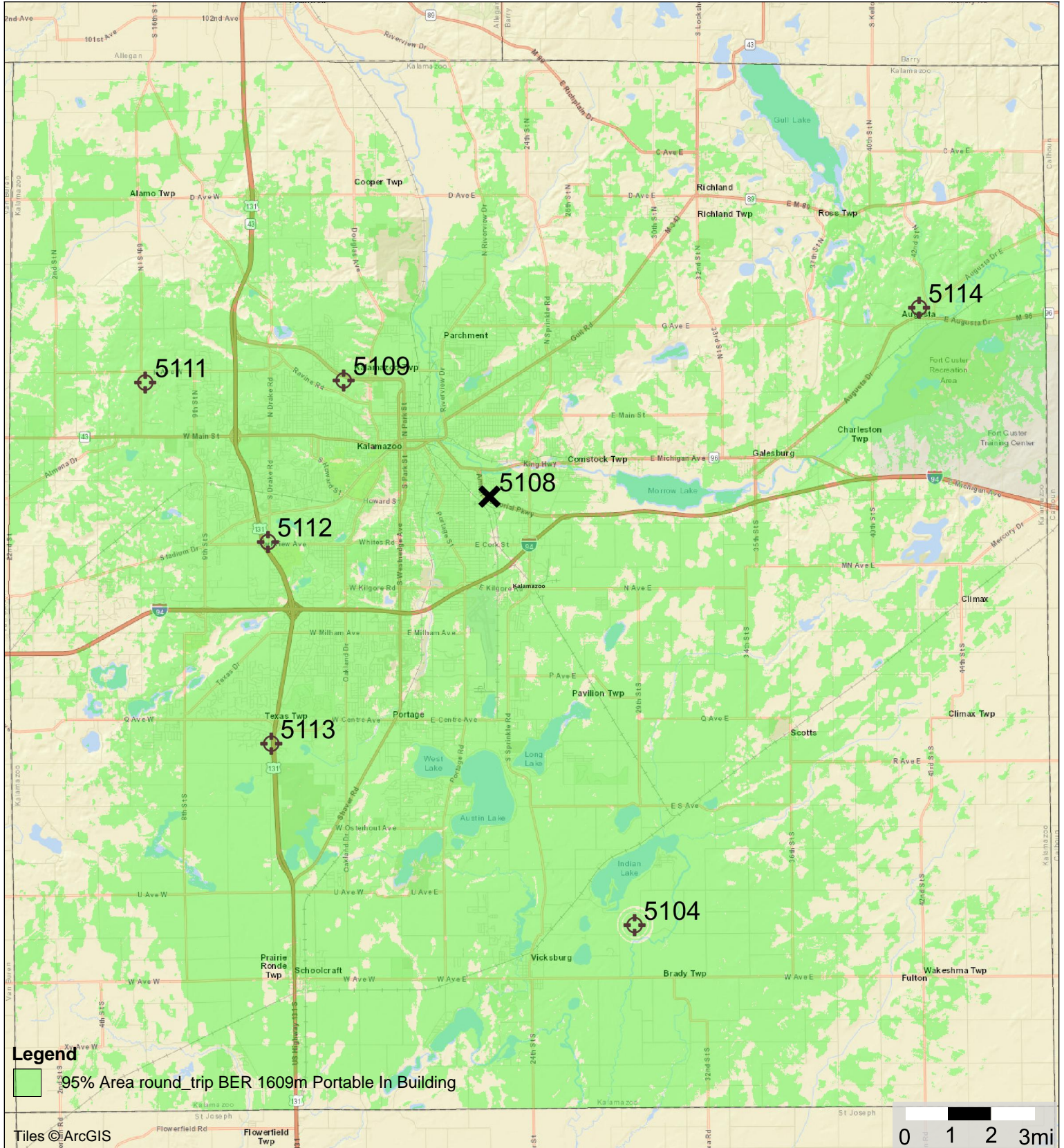


# Roundtrip BER portable 8db building loss

For Information Only

**MOTOROLA**  
SOLUTIONS

Roundtrip BER Informational only without 5108



**Legend**  
 95% Area round\_trip BER 1609m Portable In Building

Tiles © ArcGIS  
 Printed: 12/29/2022  
 System version: 2.9.12.0

Solution: Kalamazoo Existing MPSCS Coverage  
 Project: Kalamazoo CATP  
 Design: Design 6 Final minus 5108  
 CJR005

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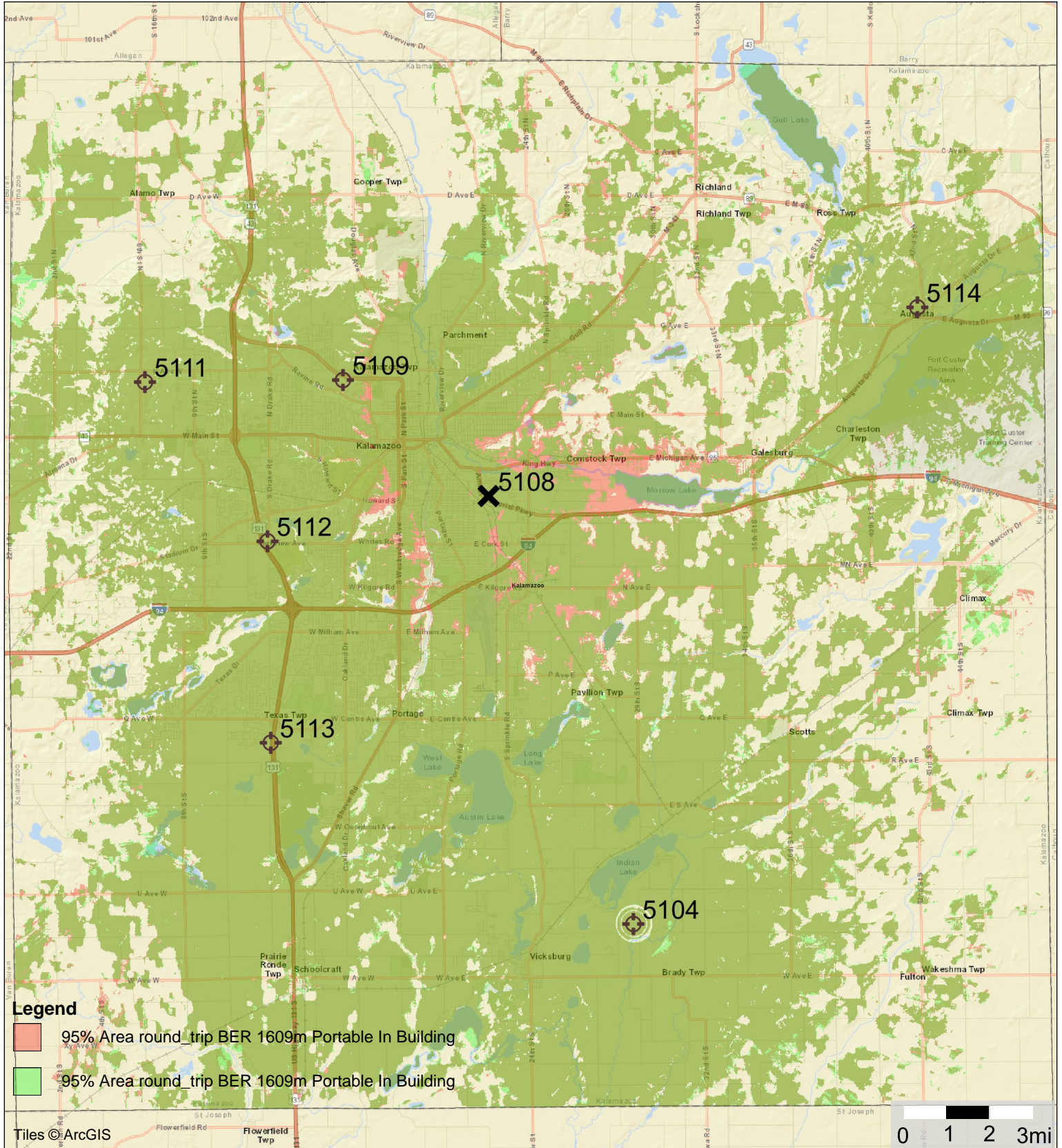


# Roundtrip BER portable 8db building loss

For Information Only

**MOTOROLA**  
SOLUTIONS

Roundtrip BER Informational only Overlay with and without 5108



Printed: 12/29/2022  
System version: 2.9.12.0

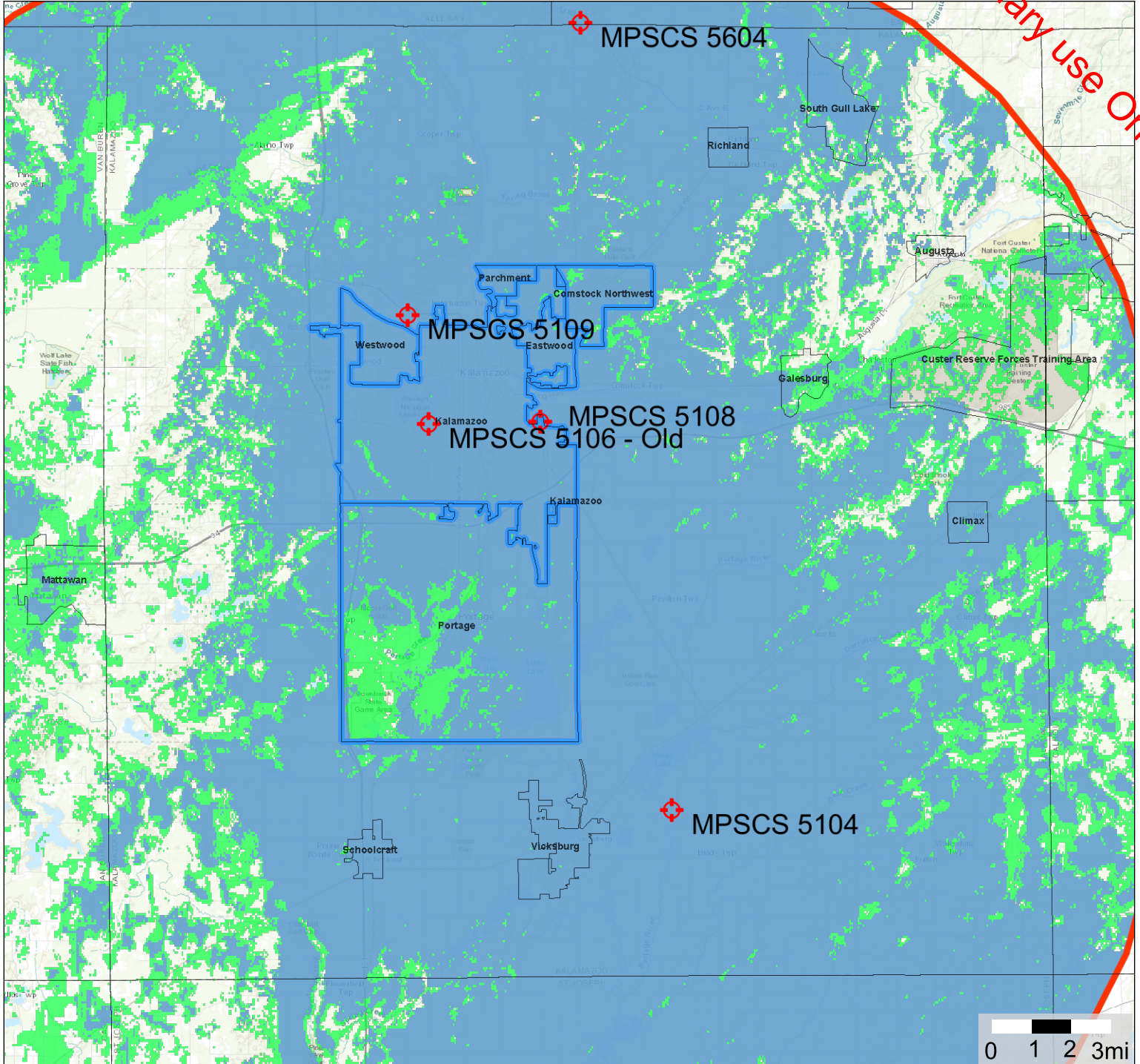
Solution: Kalamazoo Existing MPSCS Coverage  
Project: Kalamazoo CATP  
Design: Design 6 Final minus 5108  
CJR005

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### Existing 12dB city 6dB countywide

Preliminary use Only



Tiles © ArcGIS

Scale 1 : 230000

**Legend**

95% APX6000 on hip with RSM (1/2 wave antenna) Portable In Building

95% APX6000 on hip with RSM (1/2 wave antenna) Portable In Street

95% DAQ 3.4



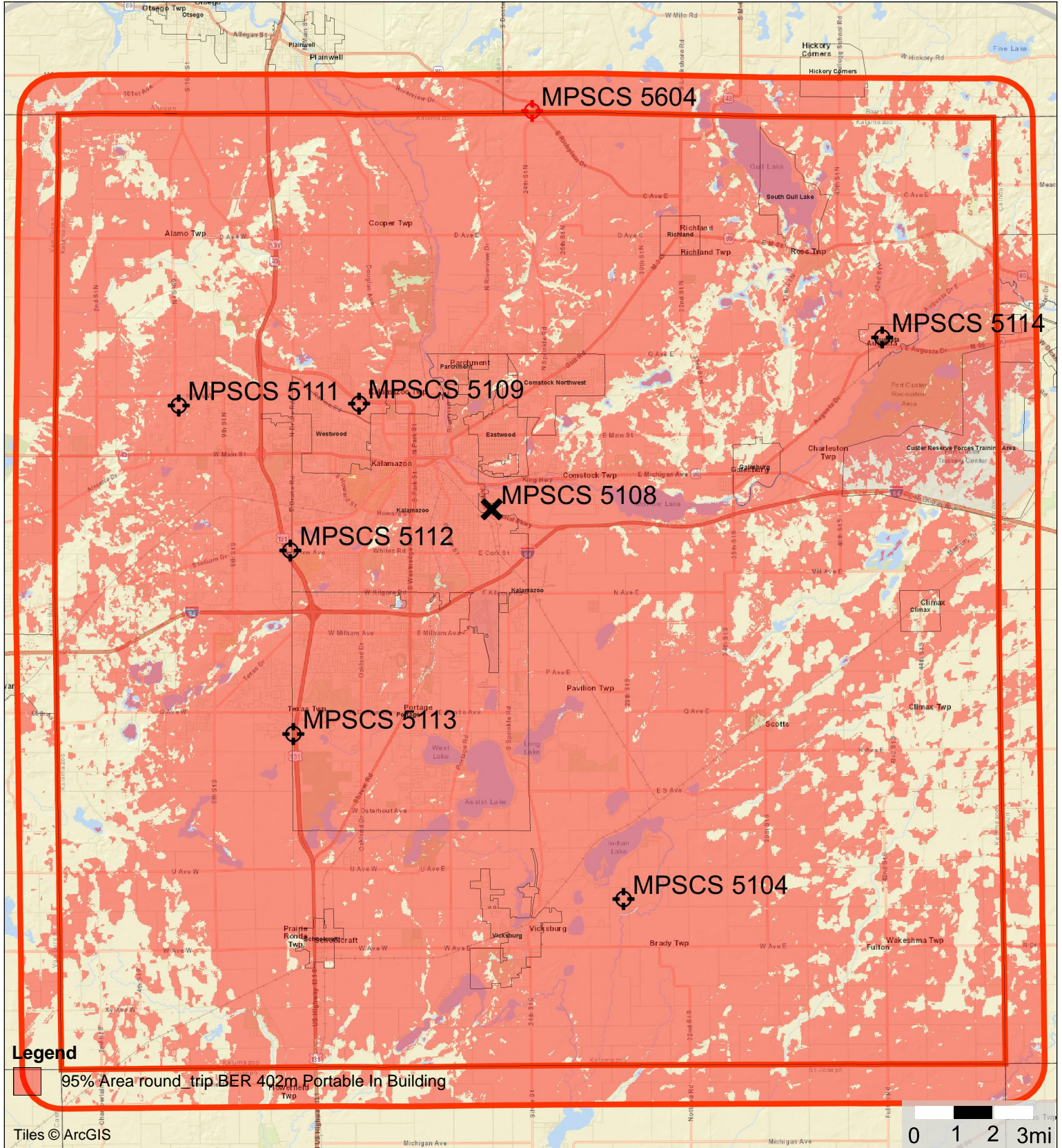


# Kalamazoo County Portable Roundtrip In Building

For Information Only

**MOTOROLA**  
SOLUTIONS

Kalamazoo including Surrounding ASR sites with 5108



Printed: 1/04/2023  
System version: 2.9.12.0

Solution: Kalamazoo Existing MPSCS Coverage  
Project: Kalamazoo CATP  
Design: Design 8 Kalamazoo and ASR sites  
CJR005

This map is intended solely for the equipment configuration stated above.  
Coverage can vary significantly if different configurations are used.



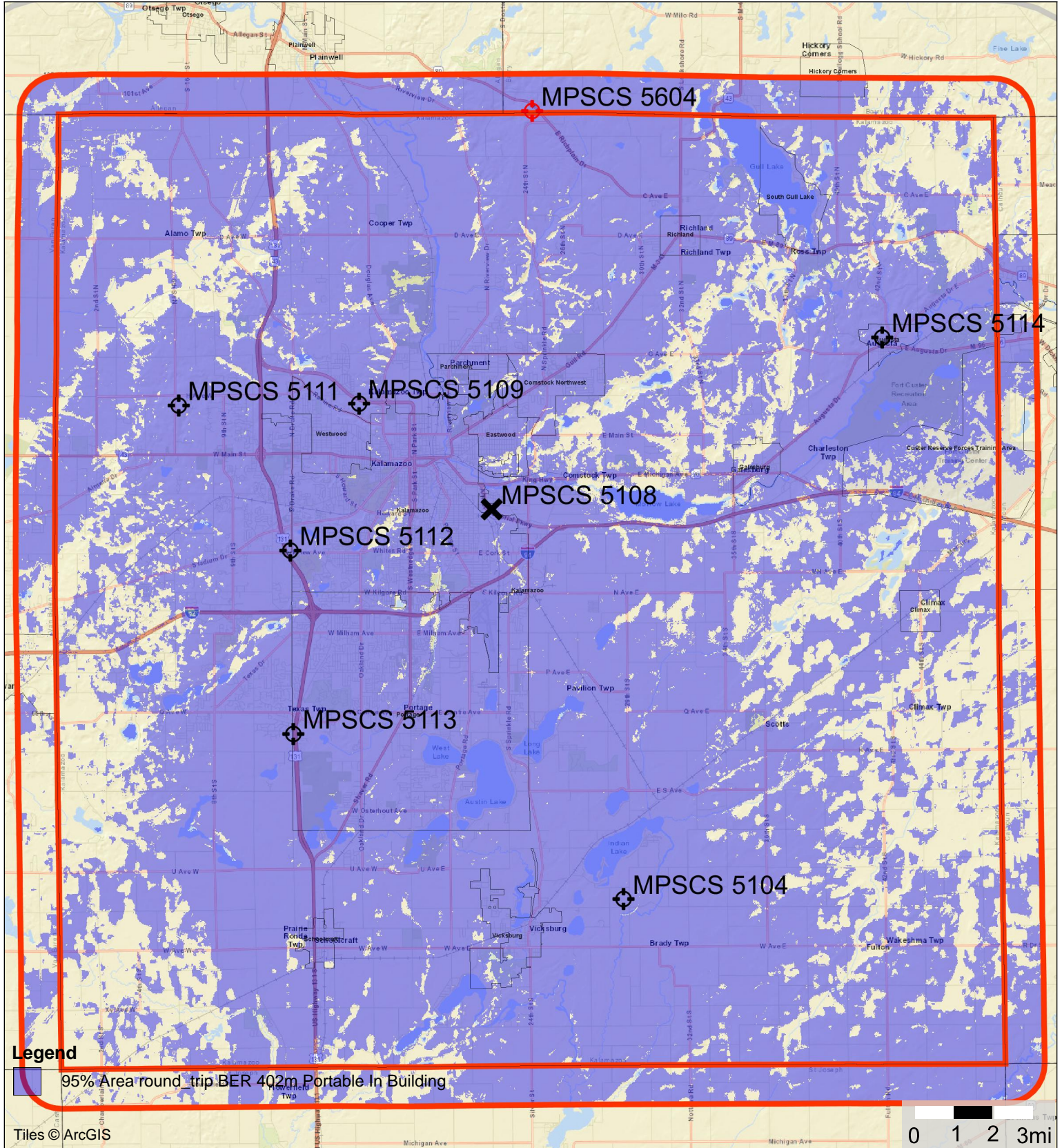


# Kalamazoo County Portable Roundtrip In Building

For Information Only

**MOTOROLA**  
SOLUTIONS

Kalamazoo including Surrounding ASR sites without 5108



Printed: 1/04/2023  
System version: 2.9.12.0

Solution: Kalamazoo Existing MPSCS Coverage  
Project: Kalamazoo CATP  
Design: Design 8 Kalamazoo and ASR sites  
CJR005

This map is intended solely for the equipment configuration stated above.  
Coverage can vary significantly if different configurations are used.



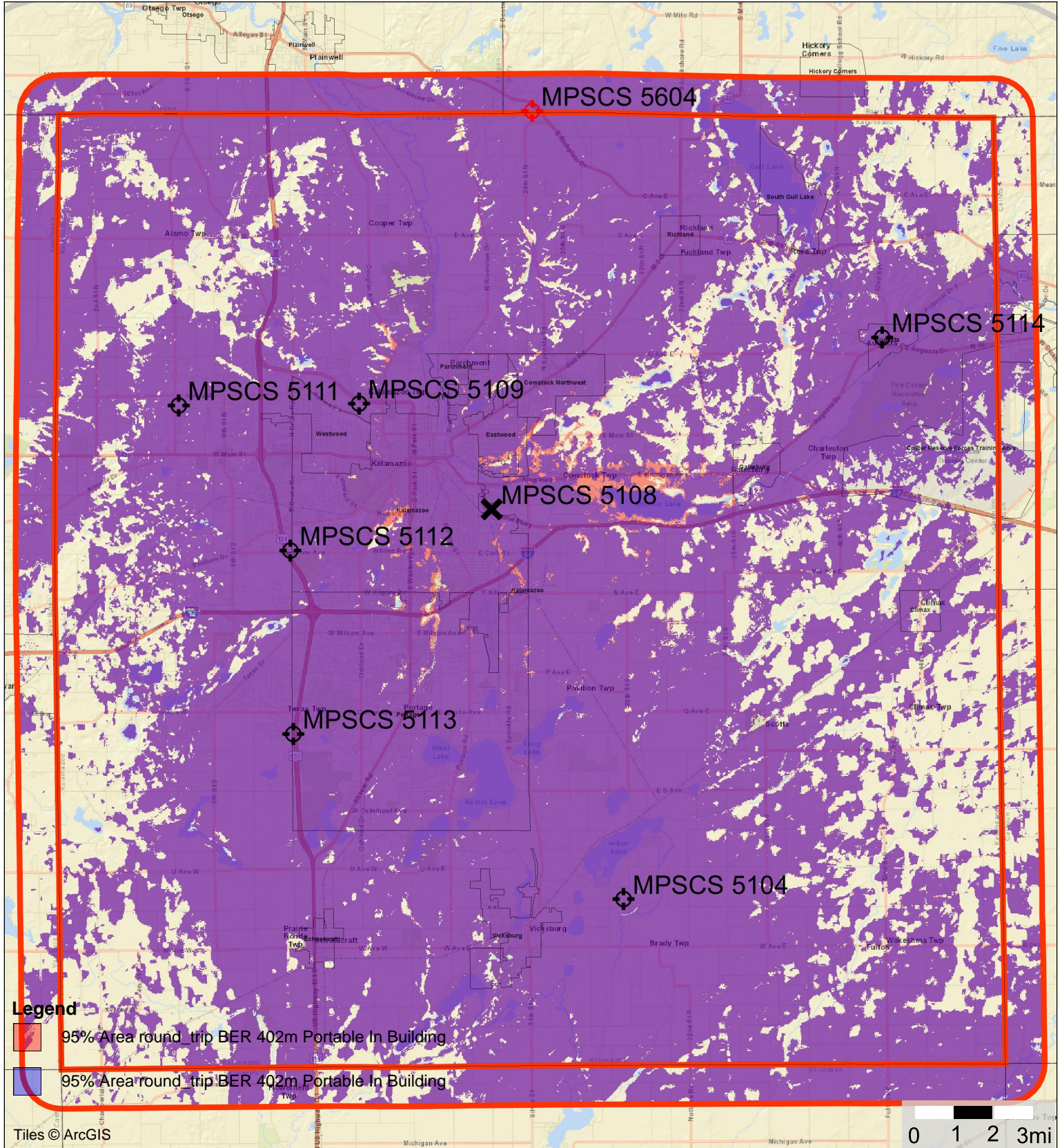


# Kalamazoo County Portable Roundtrip In Building

For Information Only

**MOTOROLA**  
SOLUTIONS

Overlay including Surrounding ASR sites with and without 5108



Printed: 1/04/2023  
System version: 2.9.12.0

Solution: Kalamazoo Existing MPSCS Coverage  
Project: Kalamazoo CATP  
Design: Design 8 Kalamazoo and ASR sites  
CJR005

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**From:** [Chad Thomas](#)  
**To:** [Jeff Troyer](#)  
**Subject:** RE: Law Enforcement Talkgroup Request  
**Date:** Tuesday, December 27, 2022 11:26:24 AM

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Mr. Troyer,

Yes sir I respectfully request permission to be allowed to put the Kalamazoo County agencies talk groups in my portable radio. I currently have an MOU with Cass County and Calhoun County in Michigan and St. Joseph County Indiana. I work for the CN Railroad Police and my territory covers the above counties and a small part of St. Joseph County Michigan. If you need anything further from me please let me know.

PO Chad Thomas #325  
CN Railroad Police

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**From:** Jeff Troyer <JTroyer@kccda911.org>  
**Sent:** Wednesday, December 21, 2022 9:56 AM  
**To:** Chad Thomas <Chad.Thomas2@cn.ca>  
**Cc:** Victoria Rose <VRose@kccda911.org>  
**Subject:** RE: Law Enforcement Talkgroup Request

**CAUTION: This email originated from outside CN: DO NOT click links or open attachments unless you recognize the sender AND KNOW the content is safe.**

**AVERTISSEMENT : ce courriel provient d'une source externe au CN : NE CLIQUEZ SUR AUCUN lien ou pièce jointe à moins de reconnaître l'expéditeur et d'avoir VÉRIFIÉ la sécurité du contenu.**

Good Morning Chad,

I am just following up on my email below because we have not received a written request from your agency to put the request on the TAC Agenda for January 4<sup>th</sup>.

If you have any questions, please let me know. Happy Holidays!

**Jeffery Troyer**

Executive Director

Kalamazoo County Dispatch Authority  
7040 Stadium Dr., Kalamazoo, MI 49009  
Ofc: (269) 488-6616  
Cell: (269) 718-2195

[http://secure-web.cisco.com/1ne8kjh wzjlyt9-4dbWq0lVHG4r0NaylvCspUa7c2fueS5gDit7zC6pKogcypStWfEsq8MOYe39jNMX9wP2uqB-8hRqIPri5GC9JUFNHQZhAD-\\_K7SkjwM6Z5SAcjWNPscarQ6bZv39bKsoHhC-uh-qc5HKboDvEjKCbhcZg8BnNwlcqd1cTj6L9mzl9m19A4JEcttd-\\_6ell21iu4olARguZvpR5AW2sx8sH-kco2lKA4e87\\_\\_pDSlZlnUKqIt5t0X0bnFaxtjeDmFgxKRUK5t6Oc1clILSuA5HwVd3a26vs7GT4PttI4PMs2TvCQcUgriW/http%3A%2F%2Fwww.kccda911.org](http://secure-web.cisco.com/1ne8kjh wzjlyt9-4dbWq0lVHG4r0NaylvCspUa7c2fueS5gDit7zC6pKogcypStWfEsq8MOYe39jNMX9wP2uqB-8hRqIPri5GC9JUFNHQZhAD-_K7SkjwM6Z5SAcjWNPscarQ6bZv39bKsoHhC-uh-qc5HKboDvEjKCbhcZg8BnNwlcqd1cTj6L9mzl9m19A4JEcttd-_6ell21iu4olARguZvpR5AW2sx8sH-kco2lKA4e87__pDSlZlnUKqIt5t0X0bnFaxtjeDmFgxKRUK5t6Oc1clILSuA5HwVd3a26vs7GT4PttI4PMs2TvCQcUgriW/http%3A%2F%2Fwww.kccda911.org)

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**From:** Jeff Troyer  
**Sent:** Thursday, November 10, 2022 9:45 AM  
**To:** [Chad.Thomas2@CN.CA](mailto:Chad.Thomas2@CN.CA)  
**Subject:** Law Enforcement Talkgroup Request

Good Morning Mr. Thomas,

Per our discussion yesterday, please send me an email requesting your agency access to our primary law enforcement agency talkgroups. I will add your request to our Technical Advisory Committee's (TAC) agenda for their next meeting (January 4<sup>th</sup>).

If you have any questions, please let me know.

**Jeffery Troyer**

Executive Director

Kalamazoo County Dispatch Authority  
7040 Stadium Dr., Kalamazoo, MI 49009  
Ofc: (269) 488-6616  
Cell: (269) 718-2195

[http://secure-web.cisco.com/1ne8kjh wzjlyt9-4dbWq0lVHG4r0NaylvCspUa7c2fueS5gDit7zC6pKogcypStWfEsq8MOYe39jNMX9wP2uqB-8hRqIPri5GC9JUFNHQZhAD-\\_K7SkjwM6Z5SAcjWNPscarQ6bZv39bKsoHhC-uh-qc5HKboDvEjKCbhcZg8BnNwlcqd1cTj6L9mzl9m19A4JEcttd-\\_6ell21iu4olARguZvpR5AW2sx8sH-kco2lKA4e87\\_\\_pDSlZlnUKqIt5t0X0bnFaxtjeDmFgxKRUK5t6Oc1clILSuA5HwVd3a26vs7GT4PttI4PMs2TvCQcUgriW/http%3A%2F%2Fwww.kccda911.org](http://secure-web.cisco.com/1ne8kjh wzjlyt9-4dbWq0lVHG4r0NaylvCspUa7c2fueS5gDit7zC6pKogcypStWfEsq8MOYe39jNMX9wP2uqB-8hRqIPri5GC9JUFNHQZhAD-_K7SkjwM6Z5SAcjWNPscarQ6bZv39bKsoHhC-uh-qc5HKboDvEjKCbhcZg8BnNwlcqd1cTj6L9mzl9m19A4JEcttd-_6ell21iu4olARguZvpR5AW2sx8sH-kco2lKA4e87__pDSlZlnUKqIt5t0X0bnFaxtjeDmFgxKRUK5t6Oc1clILSuA5HwVd3a26vs7GT4PttI4PMs2TvCQcUgriW/http%3A%2F%2Fwww.kccda911.org)