

SIRCOMM Joint Powers Board
Meeting Minutes December 16, 2013

Those in attendance; Commissioner McConnell, Commissioner Faulkner, Commissioner Mills, Director Moore, Barbara Shaffer, Julie Haycock.

Meeting called to order at 1403 hours.

There was no public comment.

There was no correspondence.

Commissioner McConnell moved to approve minutes from November 18, 2013 meeting, Commissioner Faulkner 2nd, all in favor, motion carried.

There were no open comments.

Discussion on changes to the Cash Account. MVB Note fund name to be changed to Capital Fund. Commissioner Faulkner moved to approve the financial report, Commissioner McConnell 2nd, all in favor, motion carried.

A discussion on the new Twin Falls Tower was held. Director Moore stated that the RFP was complete.

Julie Haycock discussed the staff reports. One new employee to have polygraph done, seven interviews to be complete in January 2014. She stated that she and Director Moore had created a system failure instruction manual and that it is now complete. Julie stated that the Radio Usage Report for the month of November was unavailable due to the power outage. Reported that 83% of all calls were from cell phones.

Director Moore stated that the radio system evaluation performed by Tait and White Cloud Communications was complete (see attached). Discussion on the dead space in the Wendell area.

Commissioner Faulkner began new discussion on presenting a more professional atmosphere at SIRCOMM. Discussion on 3 each Polo type shirts per employee to be worn will on duty.

Commissioner Faulkner motioned to enter Executive meeting for Idaho Code 67-2345 (1) (a) and (b), Commissioner McConnell 2nd, all in favor, motion carried. Roll Call was taken and meeting began at 1440 hrs. Julie Haycock and Barbara Shaffer left the meeting at 1440. Executive session ended at 1445.

Barbara Shaffer re-entered the meeting at 1445 hrs.

Next meeting will be on January 20, 2014 at 1400 hours

Meeting adjourned at 1500 hrs.

Charles M Howell

Chairman Charles Howell

John Moore

Director John Moore

3/21/14

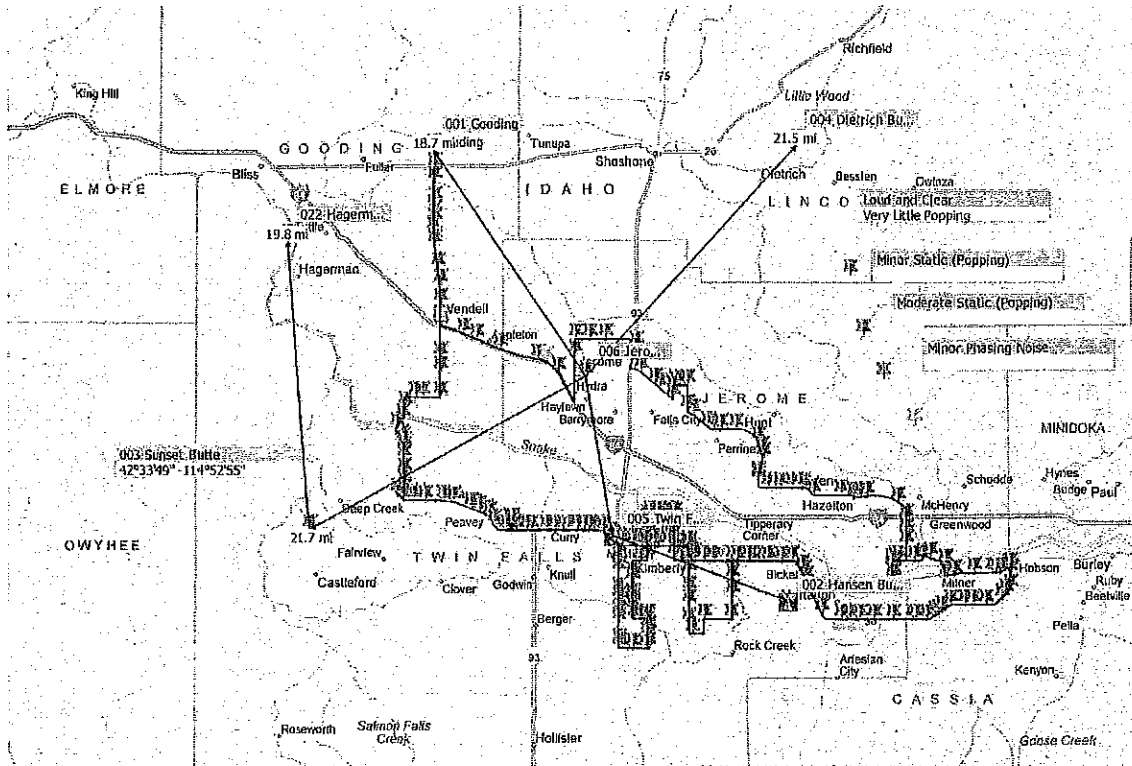
Date

3/21/14

Date



Results from Drive tests performed on the SIRCOMM Radio System on November 19-20, 2013



The drive tests performed on Tuesday, November 19, 2013 and Wednesday, November 20, 2013 indicate that the Tait QS1 simulcast system is performing as best as possible with its' current design.

There were only a few locations where a minute amount of simulcast phasing noise was heard and were localized to very small locations. The transmissions were usable at all of these locations.

An audio pop was heard while moving throughout most of the drive test area on both a mobile and a portable unit. This audio pop ranged from very minor through a moderate level but never reached the point of making the transmissions unusable. The audio pop completely disappeared when the vehicle stopped moving. This is the result of obstructions coming between the site transmitter antennas and the moving vehicle. This phenomenon is more noticeable at slower speeds.

Some uplink issues were noted where the mobile transmissions were received with varying degrees of static due to location with possibly the same reason as the static or popping heard on the downlink and were in the same areas where the popping was heard on the downlink. Again, none of the test transmissions from the mobiles were unusable.

There were three areas of particular note that may be improved with RF shaping by either antenna design or additional sites. However; engineering analysis needs to be performed to verify that any potential gain would merit the additional cost. The three areas are listed below:

1. The route on Hwy 46 between Gooding and Wendall.
2. The area bordered by Hankins Road on the west, N 3400E on the east, E 4000 N on the north, and highway 30 on the south.
3. Hwy 30 between Kimberly and Hansen.

None of these areas were deemed as unusable as they are, but they do have room for improvement.

The most likely cause of the recent reports of degraded service is due to the new microwave system changing path direction due to some internal errors reported on the system. When the microwave changes paths, it invalidates the equalization results obtained during the training sessions on each channel due to the change in delays of the new path. Re-training the channels after the microwave changes paths have cleared the issue until the next instance occurs. White Cloud is currently working with the manufacturer of the equipment supplier to resolve this issue.

I did not see any instances where either the quality of the installation or the quality of the maintenance performed would adversely affect the overall quality of the SIRCOMM radio system. This system appears to be installed properly and well maintained.

Thank You,
Roger Turner
Senior Customer Support Engineer
Tait Communications

WHITE CLOUD

Communications Inc.

d.b.a. AUTO PHONE

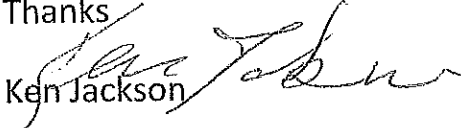
John,

December 13th, 2013

RE: Microwave Networks Inc.

White Cloud Communications has been working with Microwave Networks to resolve an issue with the Microwave system changing directions due to some undetermined internal error within the system. The error occurs two to three times a week and at times may cause some voice quality deterioration if not retrained. White Cloud Communications discovered the errors and immediately involved the manufacturer for a solution. We have the system retrain the microwave once a day which clears and resets the system to the optimal settings. Also we have the system under 24/7 monitoring. Microwave Networks Inc. currently is able to remotely log into the system to monitor the situation along with White Cloud Communications. We have made several changes to the system including software revisions, Mux settings, etc. Microwave Networks fills confident they will resolve the issue.

Thanks


Ken Jackson

White Cloud Communications

Boise
208-362-8700

Twin Falls
208-733-5470

Burley
208-678-8991

P. O. Box 466, Twin Falls, ID 83303
www.whitecloudcom.com