

Analysis #2 – SBA Tower

Figure 5 shows the location of the SBA tower in relation to our existing Dane County GSM sites.

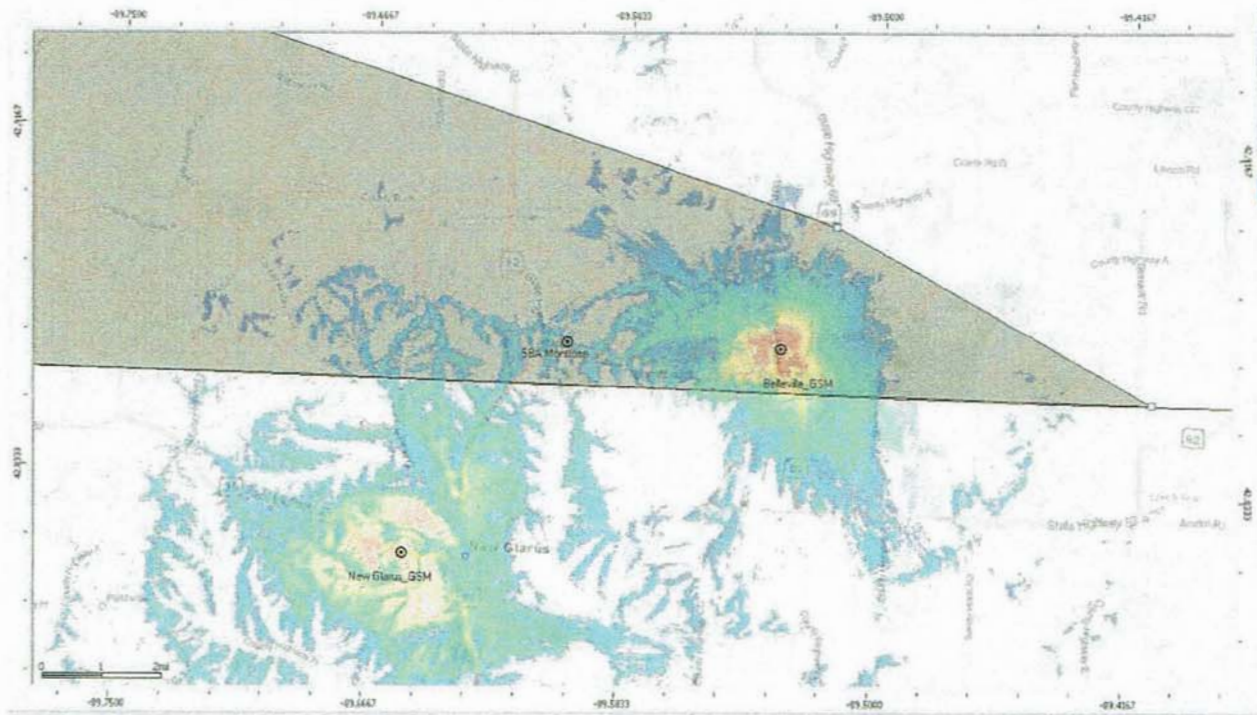


Figure 5

Although the SBA location could possibly accommodate our needs from an RF perspective, co-locating on the SBA tower is not a good option for Bug Tussel. Our network operations team needs the capability of adding or changing equipment on very short notice. This is not possible with the SBA lease modification process, which can take six to nine months to complete. During the lease modification process with SBA, we are also charged application and structural analysis fees. This process severely limits our ability to augment our equipment when faced with capacity issues on both the radio access network and the backhaul.

Conclusion:

It is my opinion based on predictions run with Atoll propagation software, that the WSUM tower is not a viable option for co-location. It is also my opinion that co-locating on the SBA tower is not a viable option for our network need for equipment changes. The best option for Bug Tussel Wireless is to build a new tower at 42.88125 -89.5876. This location will allow us to eliminate the lack of coverage between our Belleville and New Glarus locations. Building this tower also allows us the flexibility to maintain our network and avoid capacity problems.

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