

# WIRELESS NETWORK CONSULTING

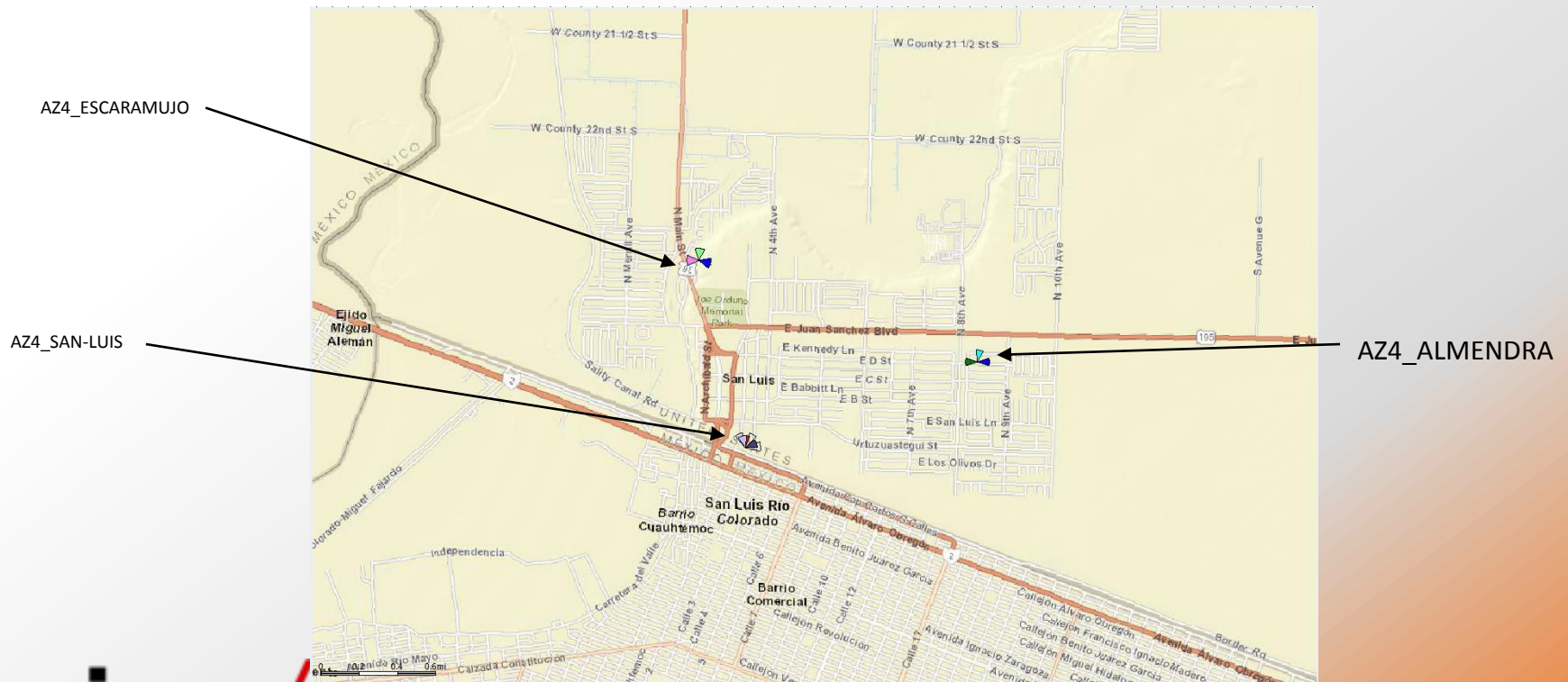
AZ15-30\_BAJA\_AZ4\_ALMENDRA  
Capacity Cell Split

## RF DESIGN ANALYSIS



# AZ4\_SAN-LUIS Alpha Sector Current State

- † Sectors facing towards E Juan Sanchez Blvd out of capacity



# Capacity Objective of new site

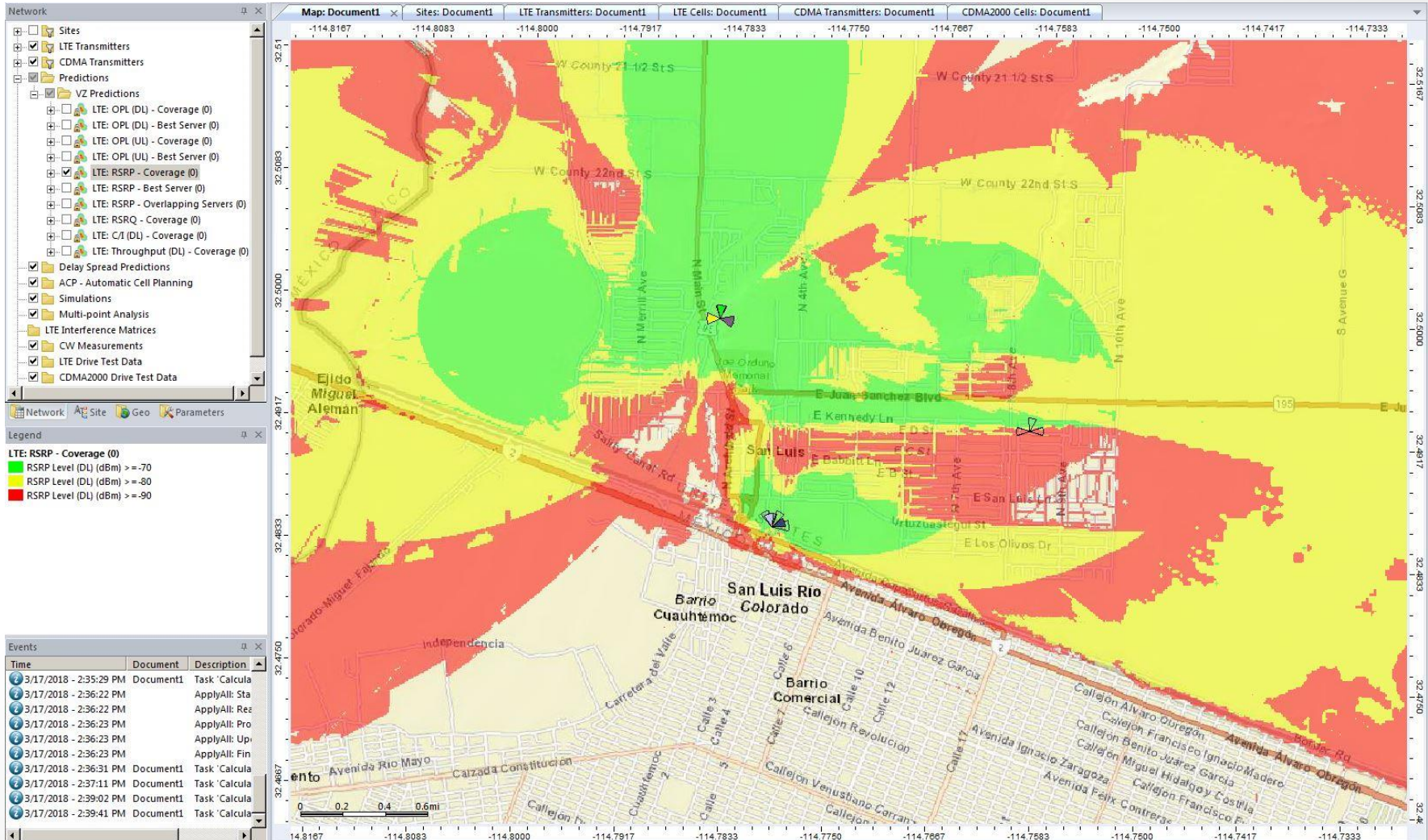
## † Offload AZ4\_SAN-LUIS

- Sectors facing into area are overloaded, connection demands and low throughput per user
- New Site needed to provide capacity, in-building and in-vehicle coverage along East Juan Sanchez Blvd as well surrounding shopping and residential areas
- Most of the area is suburban with shopping as well

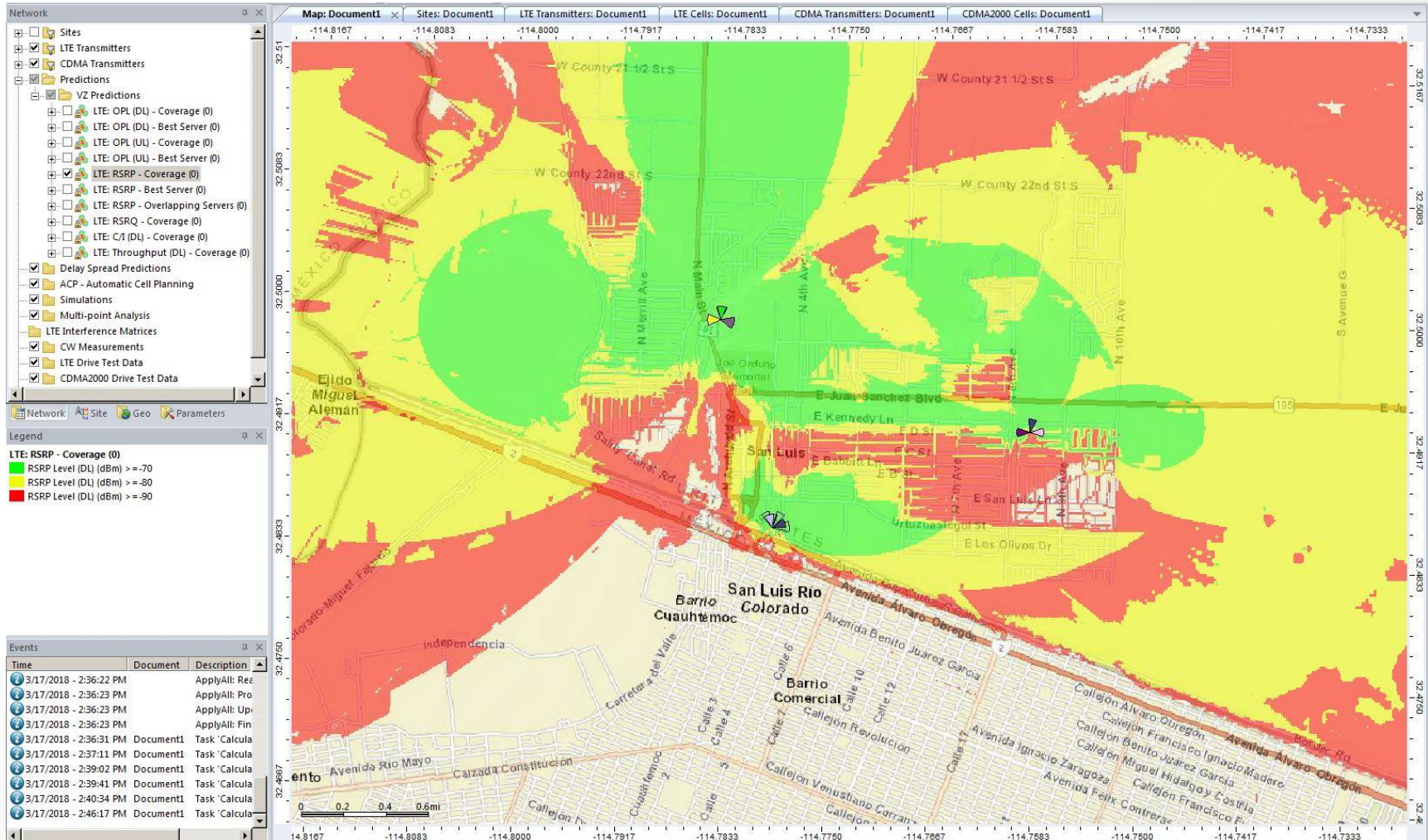
# Site Map



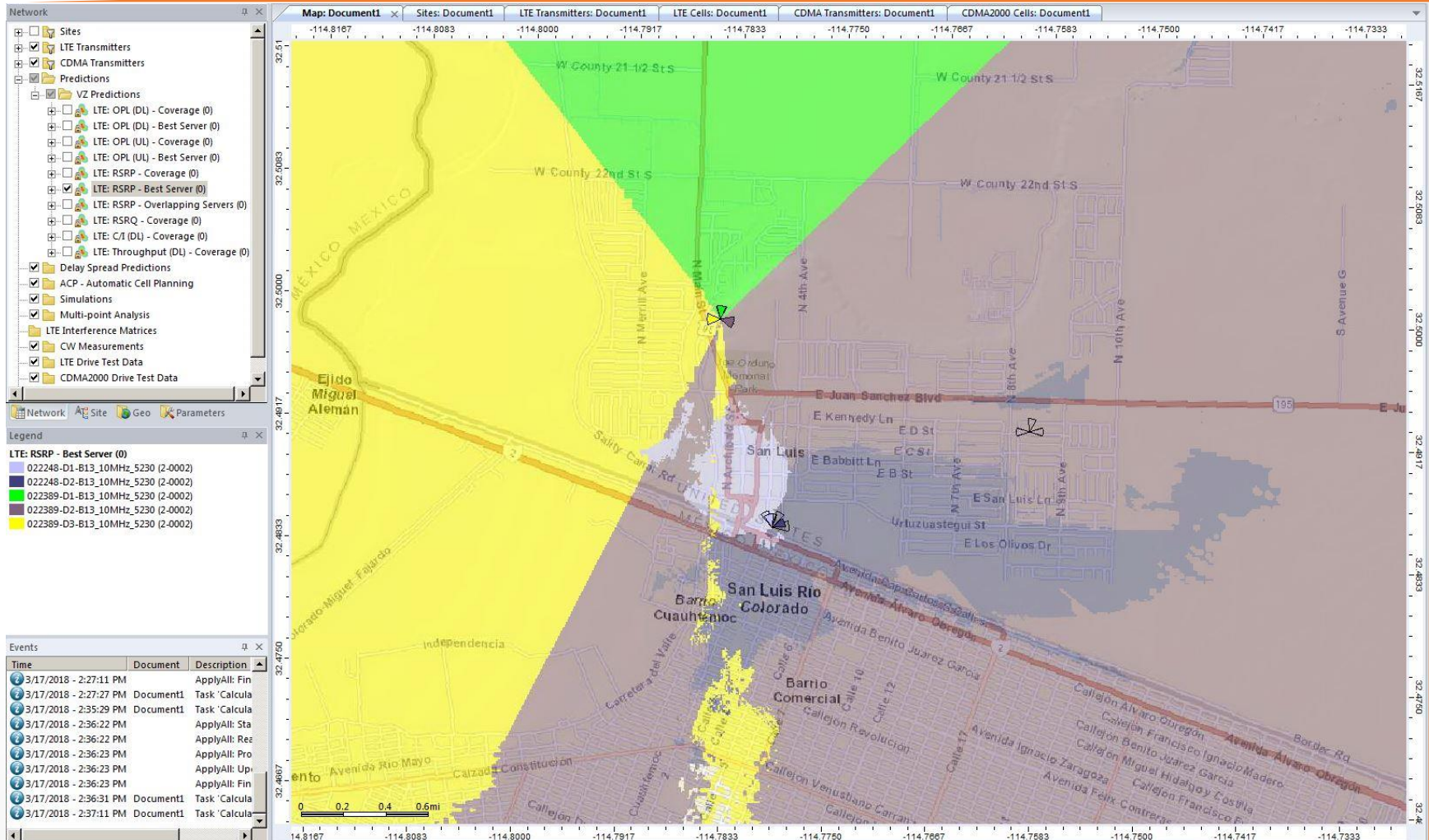
# RSRP Current Coverage



# RSRP Coverage with new site



# Best Server - Current (-120dbm)



# Best Server – with new site (-120dbm)

