

LTE Justification Plots

Market Name: Los Angeles

Site ID: CLL02125 (NL0082)

Site Name: ROW Cold Cyn-B

ATOLL Plots Completion Date: 08/16/2011

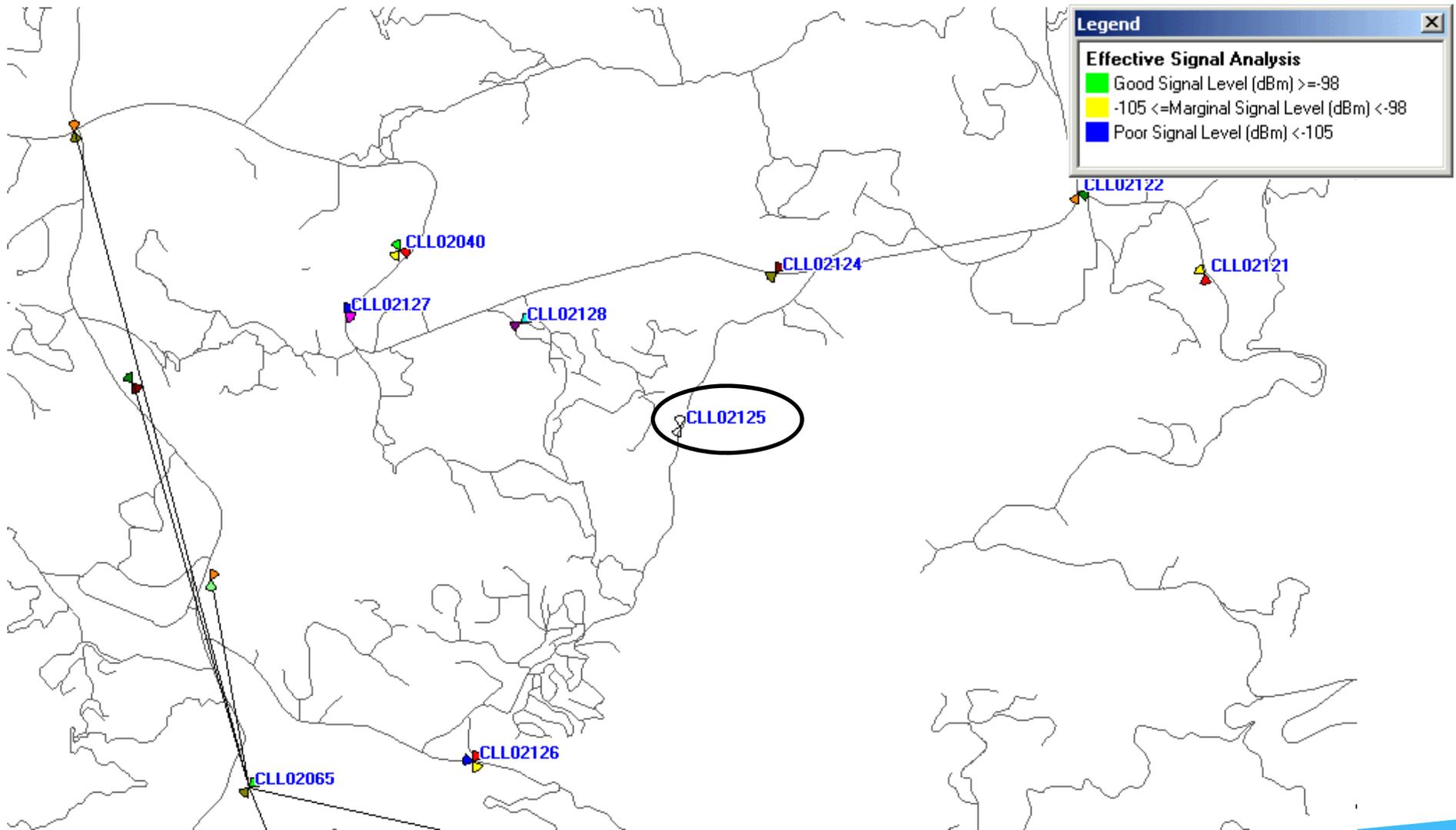


Assumptions

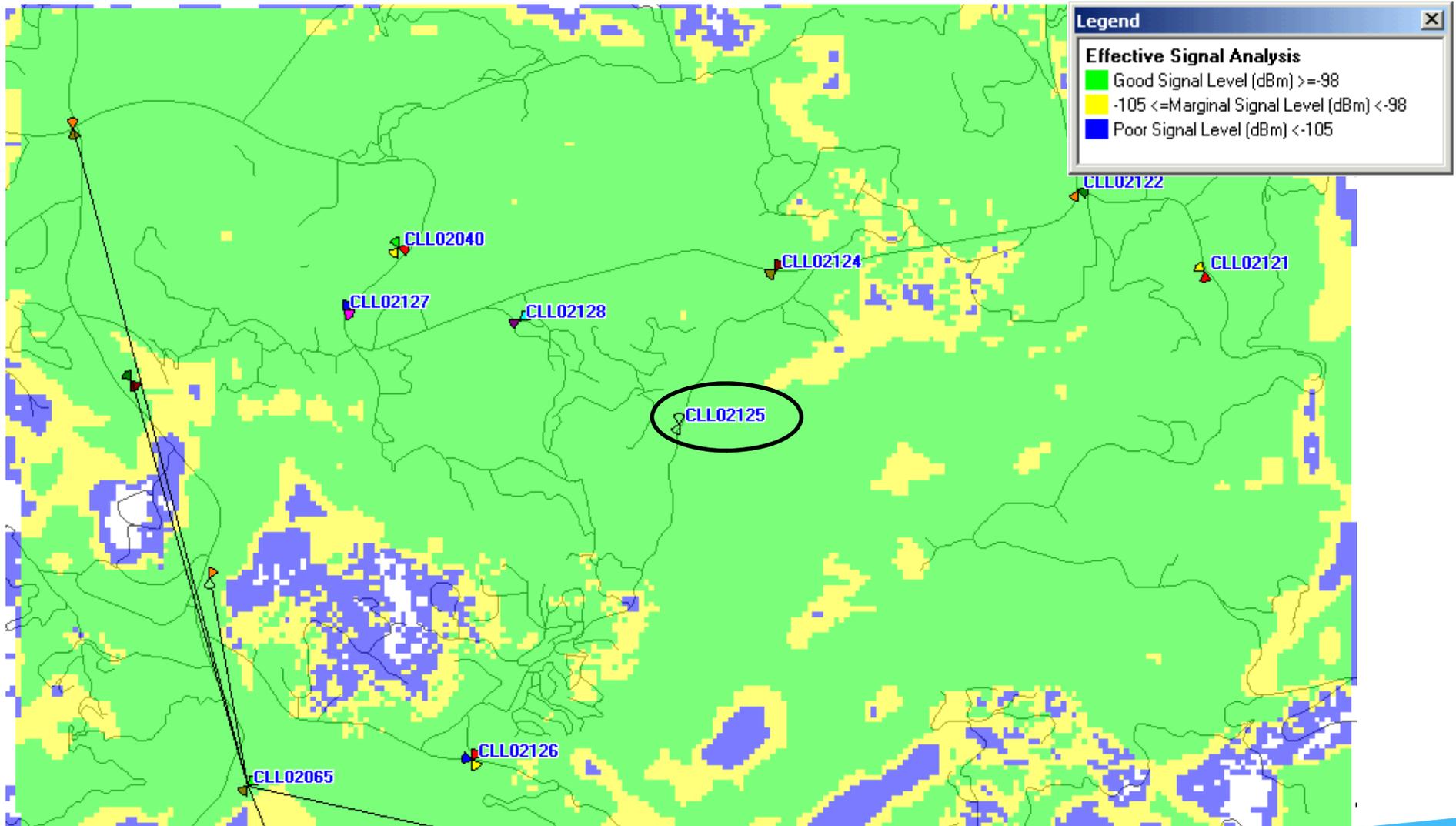
- Propagation of the site plots are based on our current Atoll (Design tool) project tool that shows the preferred design of the AT&T **4G-LTE** network coverage.
- The propagation referenced in this package is based on proposed LTE coverage of AT&T users in the surrounding buildings, in vehicles and at street level . For your reference, the scale shown ranges from good to poor coverage with gradual changes in coverage showing best coverage to marginal and finally poor signal levels.
- The plots shown are based on the following criteria:
 - **Existing:** Since LTE network modifications are not yet **On-Air**. The first slide is a snap shot of the area shows the existing site without LTE coverage in the AT&T network.
 - **The Planned LTE Coverage with the Referenced Site:** Assuming all the planned neighboring sites of the target site are approved by the jurisdiction and the referenced site is also approved and **On-Air**, the propagation is displayed with the planned legends provided.
 - **Without Target site:** Assuming all the planned neighboring sites are approved by the jurisdiction and **On-Air** and the referenced site is **Off-Air**, the propagation is displayed with the legends provided.
 - **Clutter Classes:** Morphology of the area is added at the end of the document with the legend displaying different colors for the different topography of the area.

PROPAGATION PLOTS

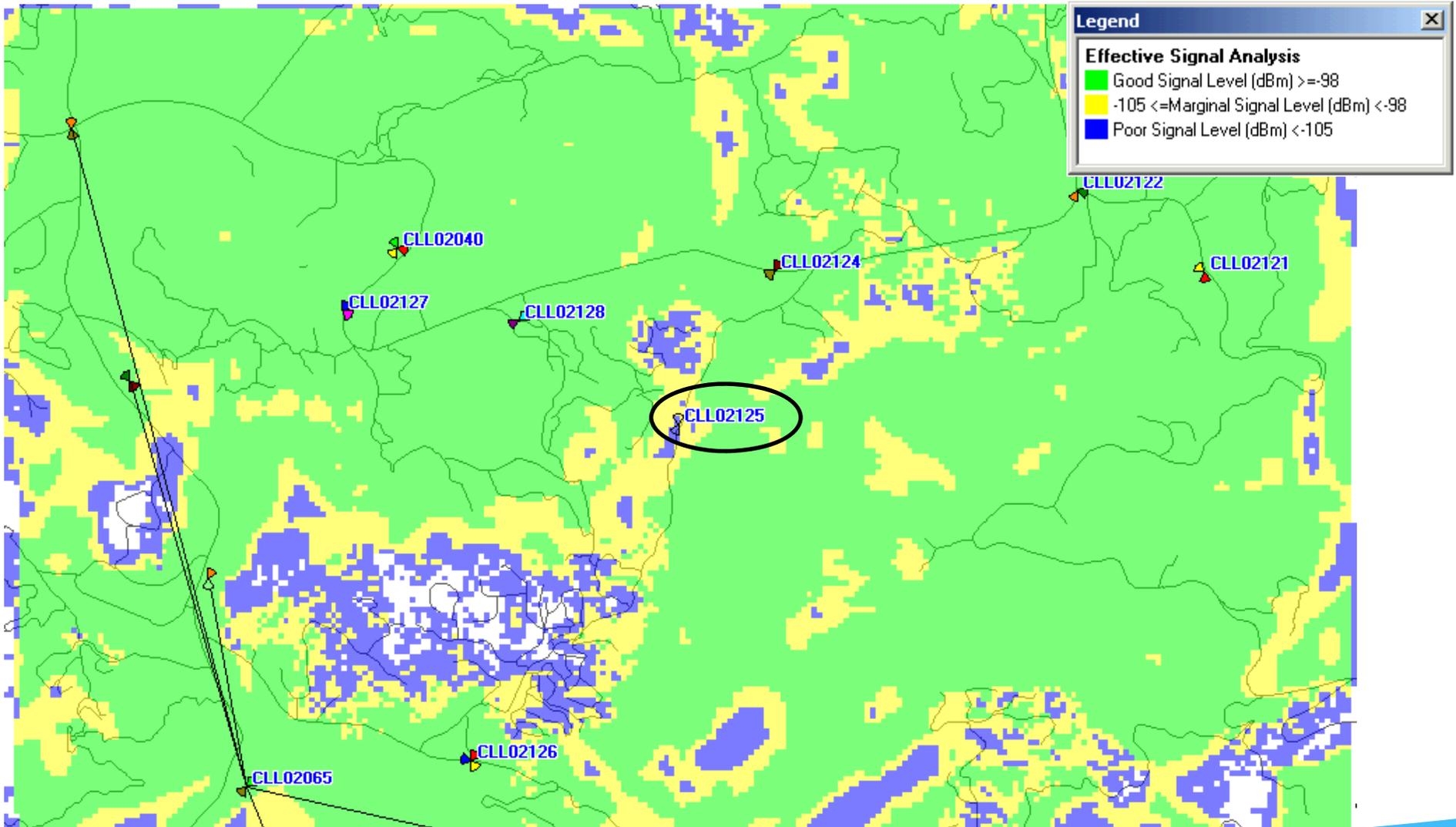
LTE Coverage - Existing



LTE Coverage – Planned LTE coverage with the referenced site and other proposed sites. RSRP Plots with CLL02125 (dBm)



LTE Coverage – Planned LTE Coverage without referenced site
RSRP Plots without CLL02125 (dBm)



Clutter Classes

