



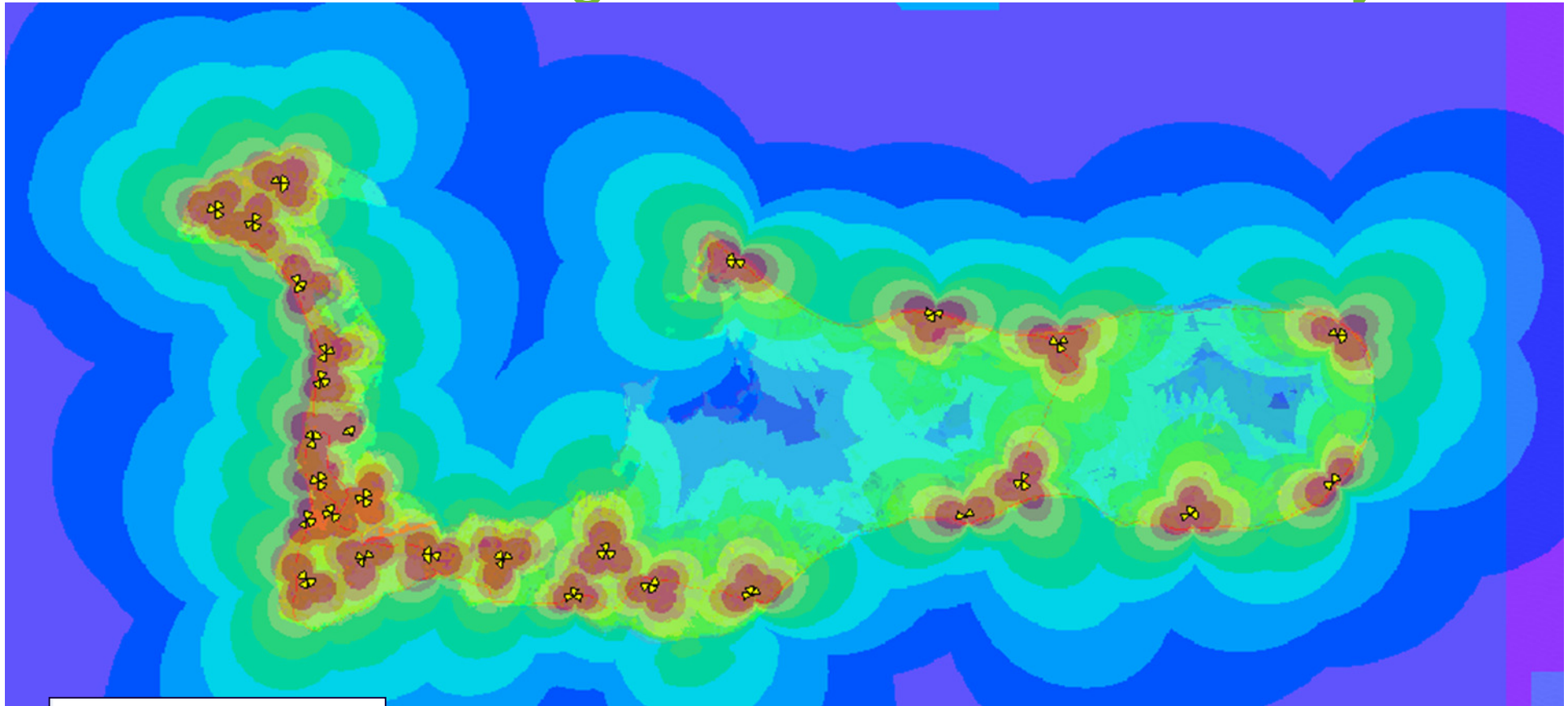
# LIME Coverage

31/03/15

LIME

[LIME.COM/UPGRADE](http://LIME.COM/UPGRADE)

# Coverage Prediction – Grand Cayman

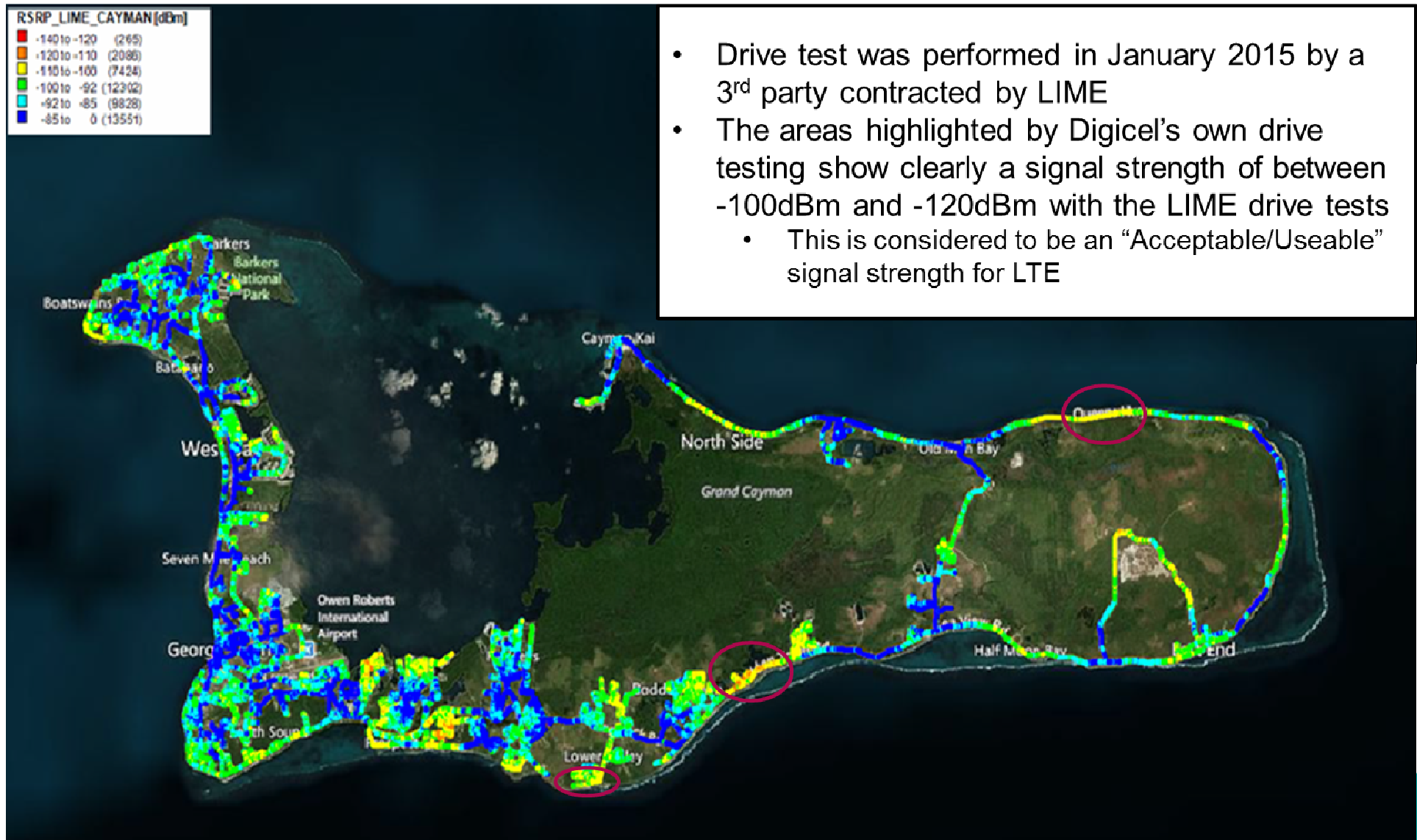


**LTE Transmitters**  
•E-UTRA Band 12 - 10MHz  
**LTE: Coverage by Signal Level (DL) 2**

Red	Best Signal Level (dBm) $\geq -70$
Orange	Best Signal Level (dBm) $\geq -75$
Yellow	Best Signal Level (dBm) $\geq -80$
Light Green	Best Signal Level (dBm) $\geq -85$
Green	Best Signal Level (dBm) $\geq -90$
Cyan	Best Signal Level (dBm) $\geq -95$
Blue	Best Signal Level (dBm) $\geq -100$
Dark Blue	Best Signal Level (dBm) $\geq -105$
Purple	Best Signal Level (dBm) $\geq -120$

- Using industry standard planning tools and methodologies, the above plot predicts the coverage of Grand Cayman down to a signal level of -120dBm
- -120dBm is widely recognized as a “useable signal” in LTE
- LIME designs its networks for signal strength -100dBm and above
- Drive testing is used to verify coverage

# LIME Drive Test – Grand Cayman





# LIME Drive Test Results – Grand Cayman



- It clearly shows that LIME has an excellent (0 to -85dB), good (-85 to -100dB) and acceptable/useable (-100 to -120dB) signal across Grand Cayman
- A very small number of spots indicate an acceptable signal level at -100 to -120dB
- There are no areas with RED spots (-120dBm to -140dBm) which LIME would consider as poor/no coverage
- Areas with no signal plotted are areas with no roads and hence, data collection is not possible during drive testing
- LIME's drive test plots demonstrate that the LIME LTE network covers 100% of the population of Grand Cayman