

# Charts for LS to 5GAA regarding NGMN V2X Technology evaluation outcome

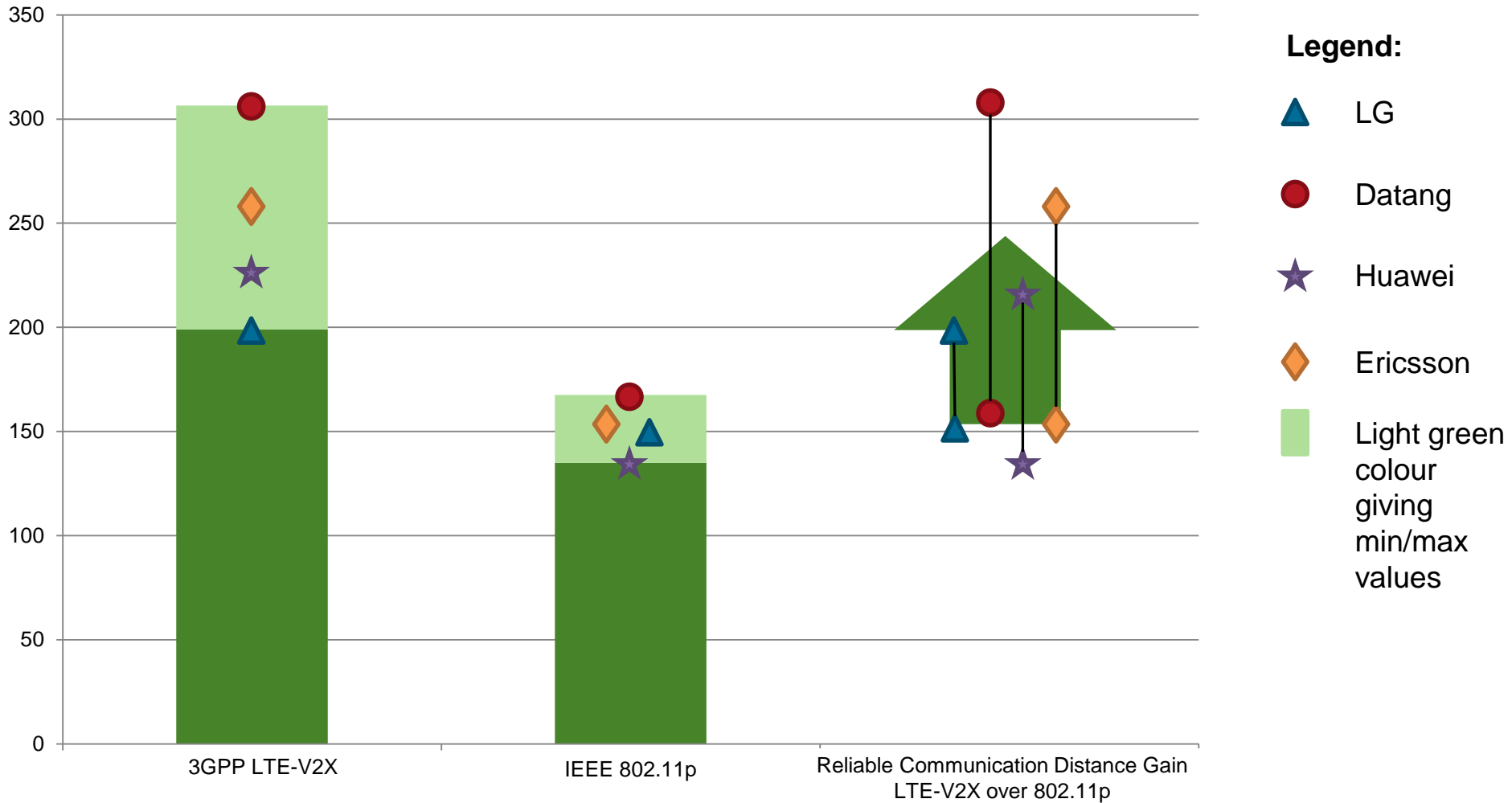
NGMN Office

18.09.2017

- This document contains a summary of nine simulated cases (freeway: six; urban three) regarding the gain of employing LTE-V2X technology over DSRC technology (IEEE 802.11p).
  - Gain: in terms of reliable communication range (meters)
  - *Note:* The vertical axis denotes “gain” (in meters)
  
- **Freeway:**
  - PRR 95%, 90%, and 80% for 140km/h (absolute speed)
  - PRR 95%, 90%, and 80% for 70km/h (absolute speed)
  
- **Urban:**
  - PRR 95%, 90%, and 80% for 60km/h (absolute speed)

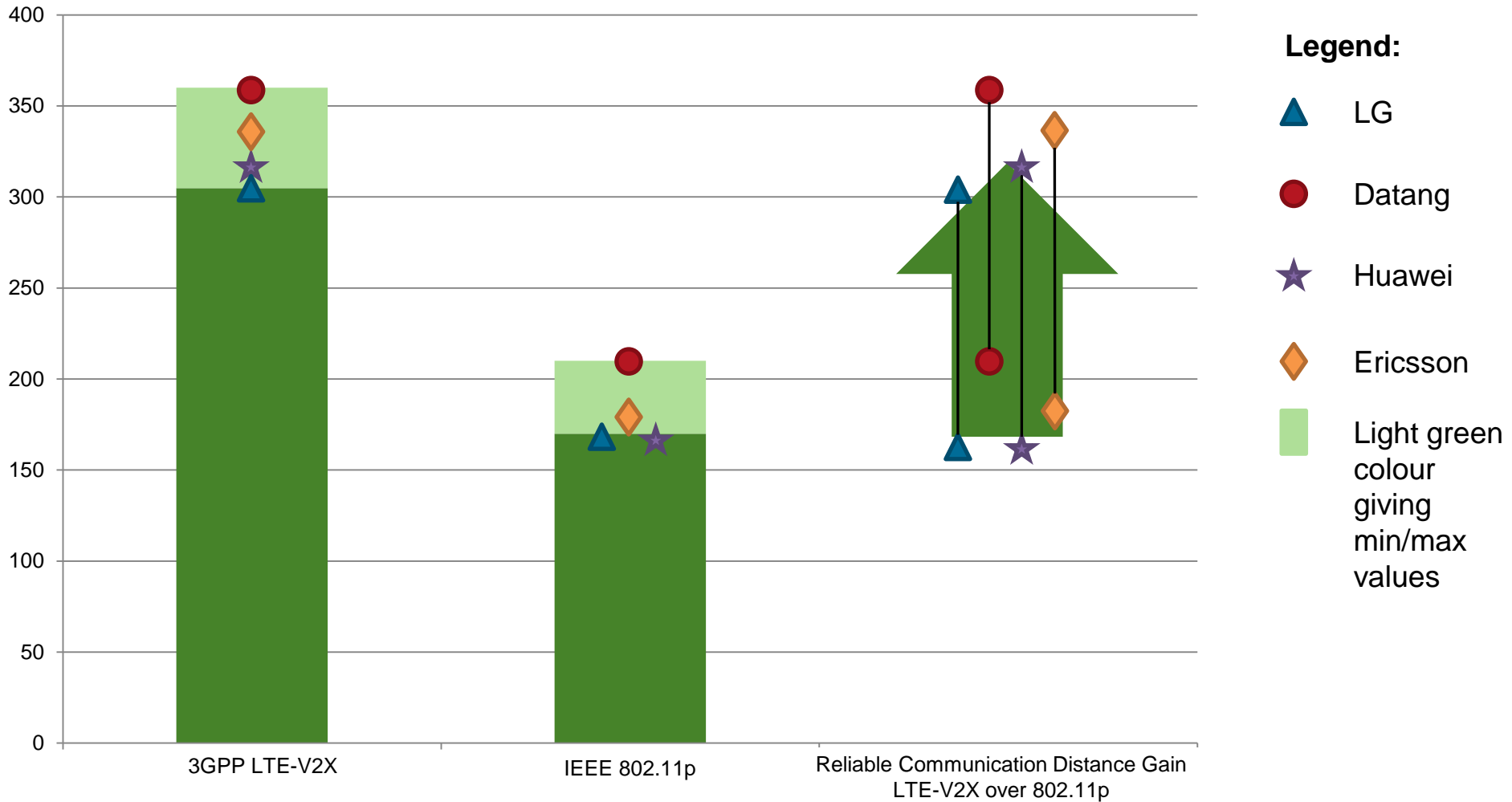
# Freeway: Absolute speed 140 km/h

## PRR 95%



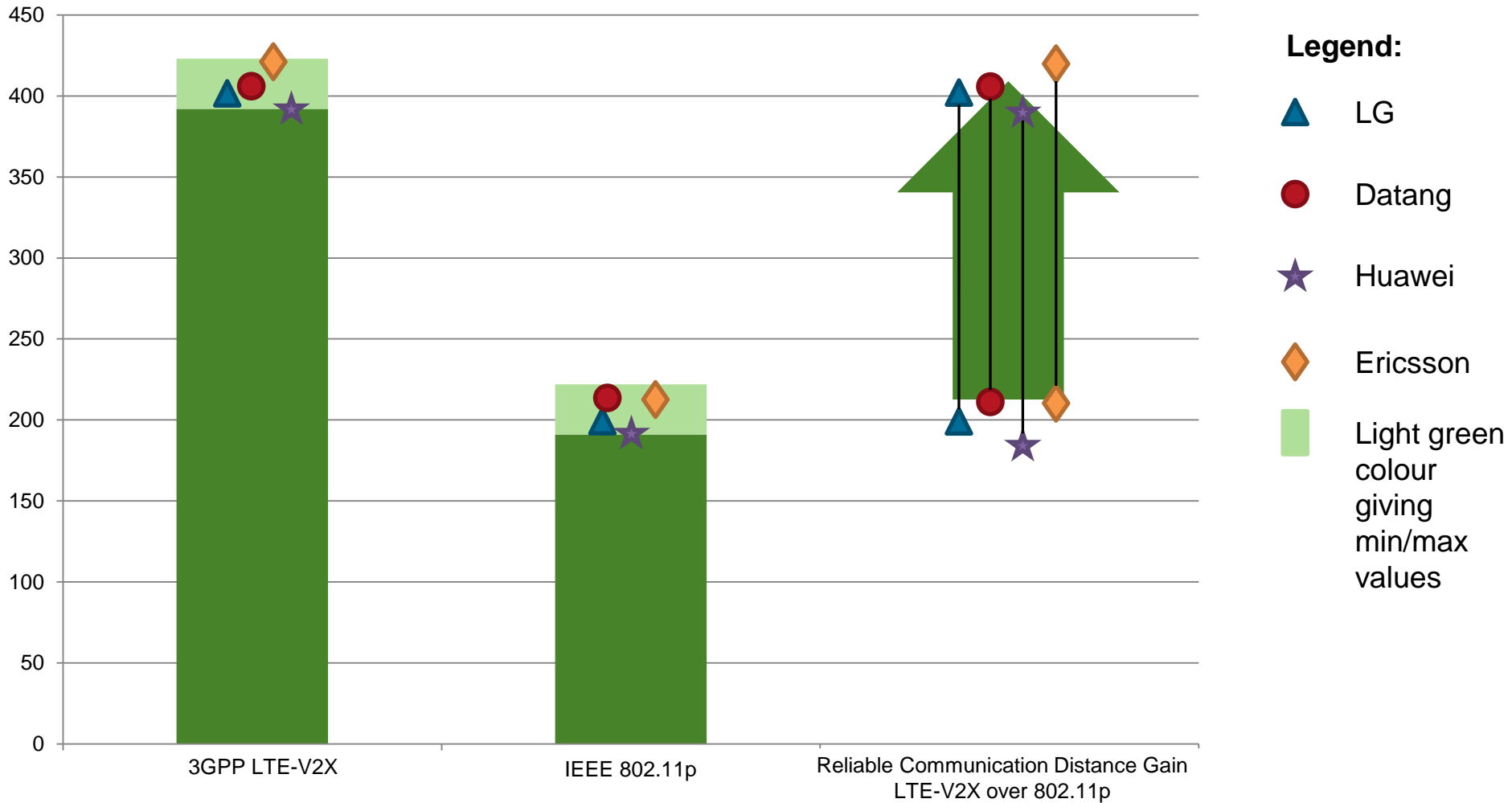
# Freeway: Absolute speed 140 km/h

## PRR 90%

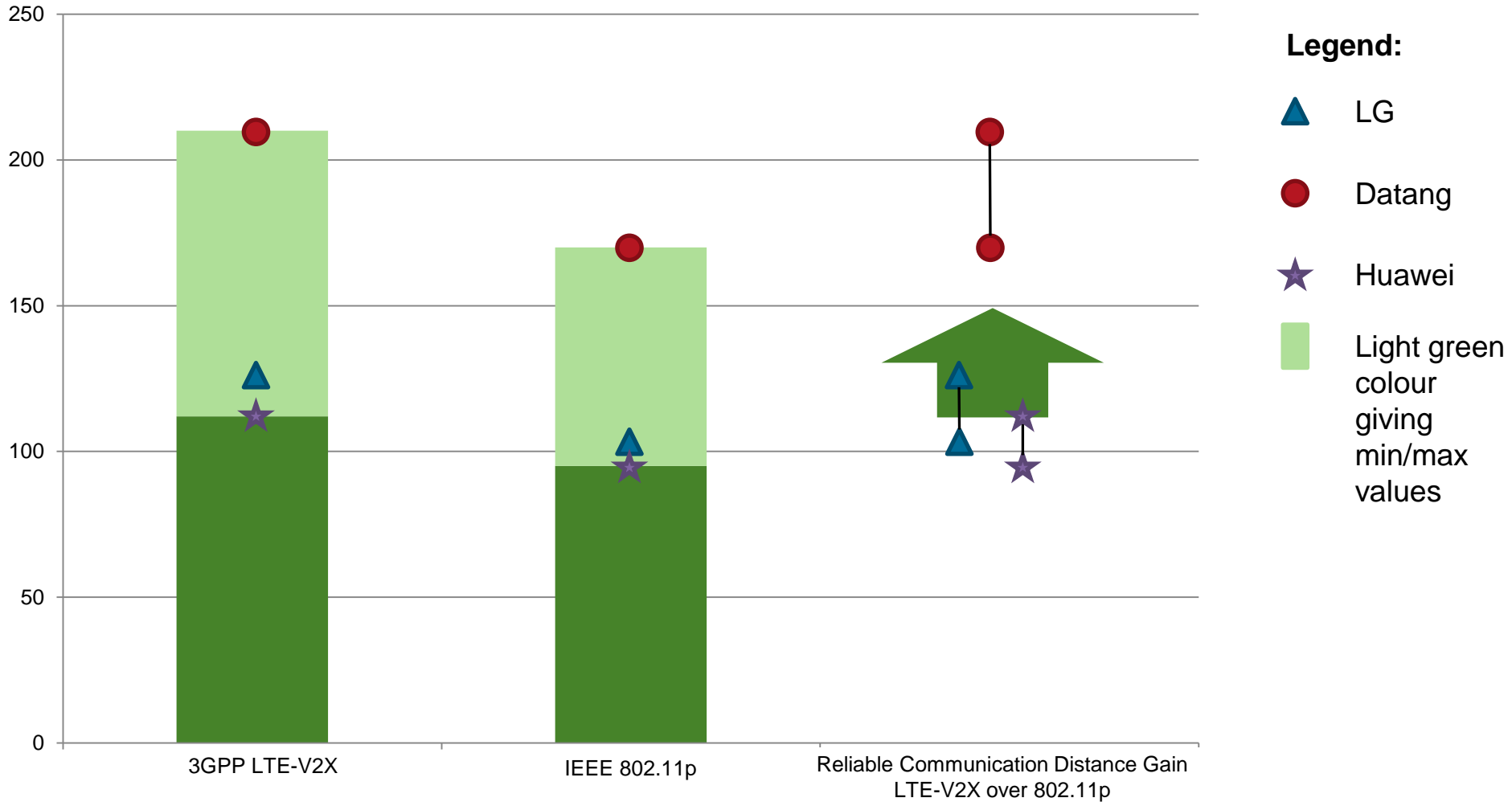


# Freeway: Absolute speed 140 km/h

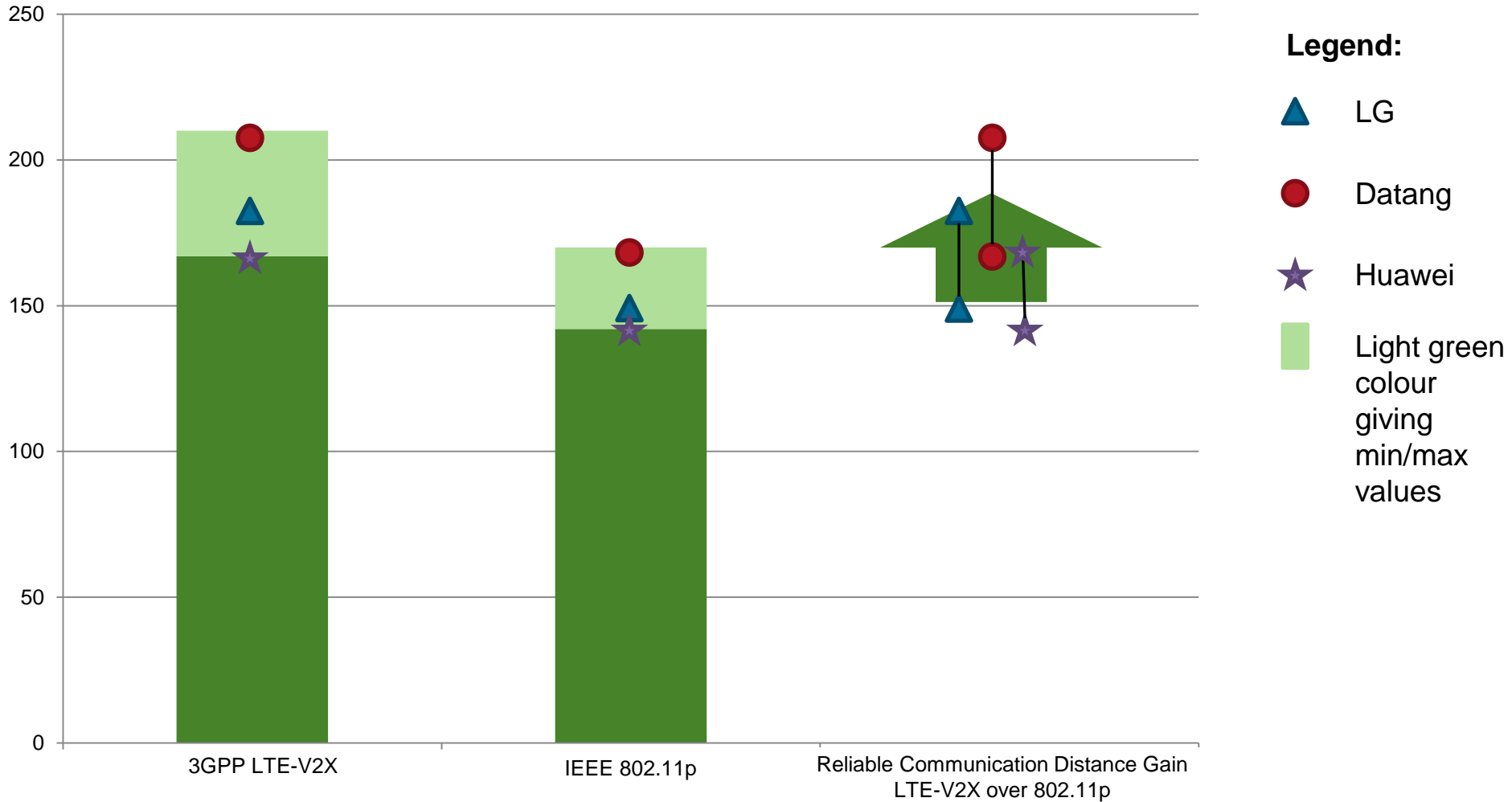
## PRR 80%



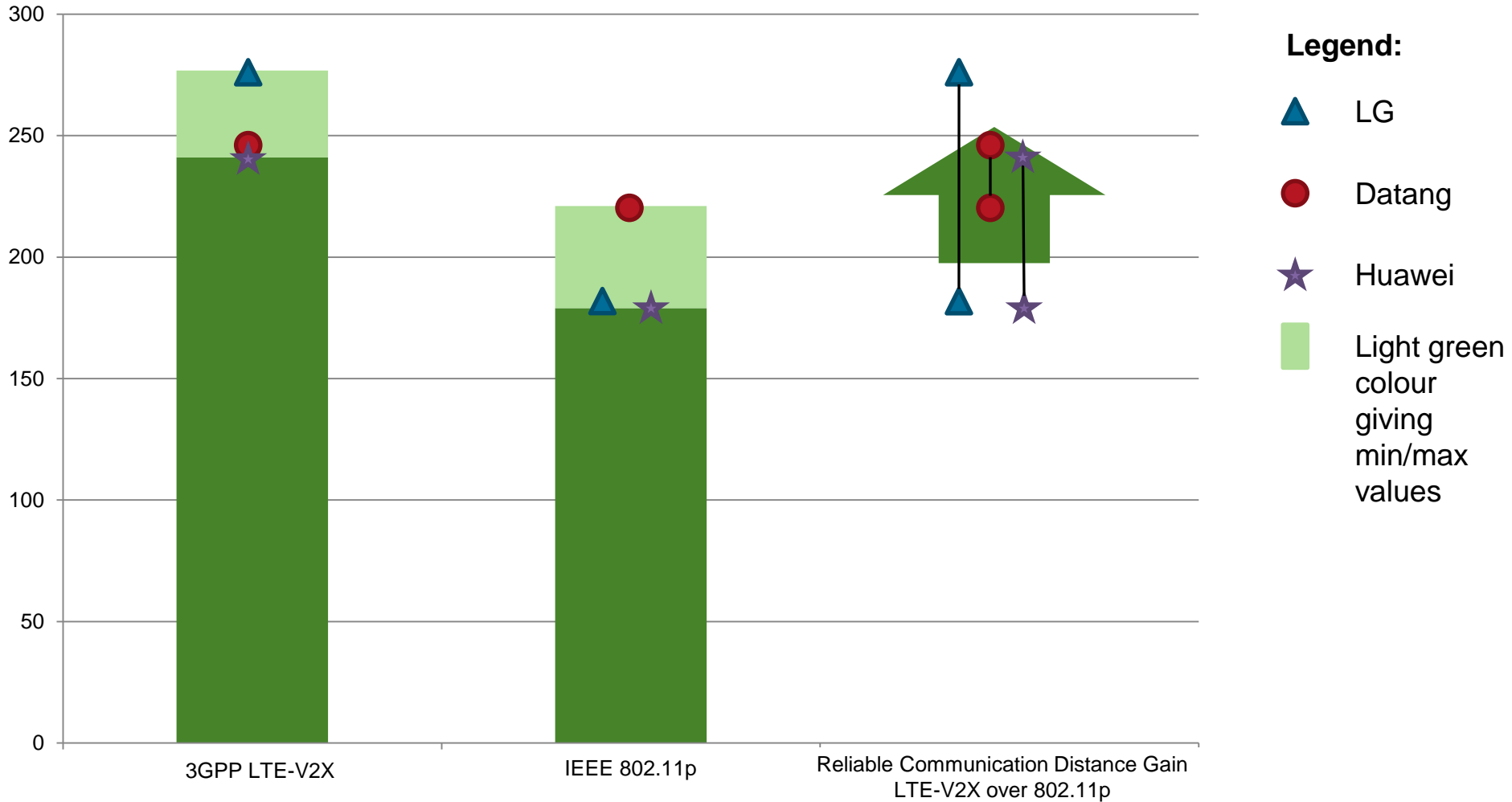
# Freeway: Absolute speed 70 km/h PRR 95%



# Freeway: Absolute speed 70 km/h PRR 90%

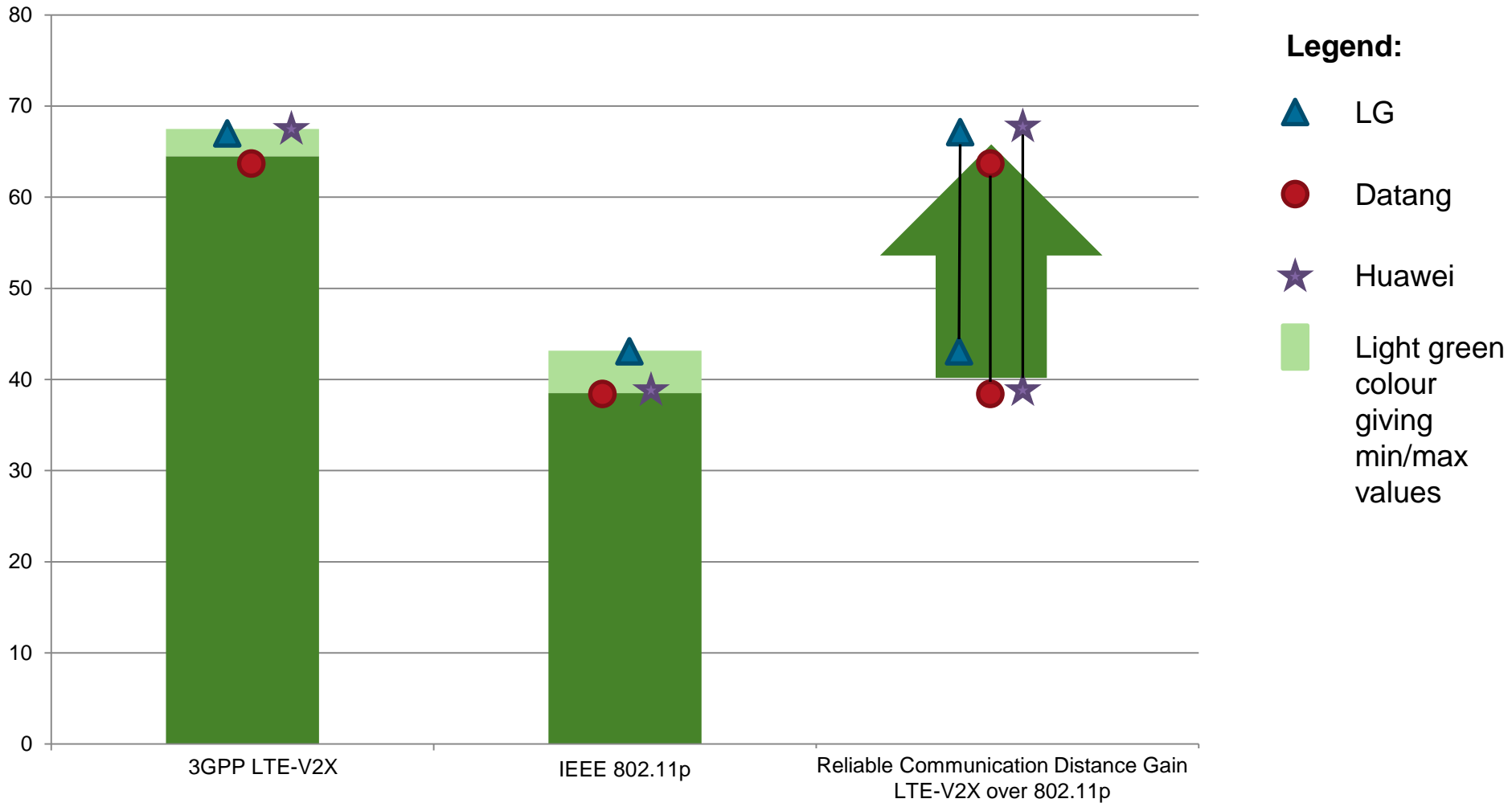


# Freeway: Absolute speed 70 km/h PRR 80%

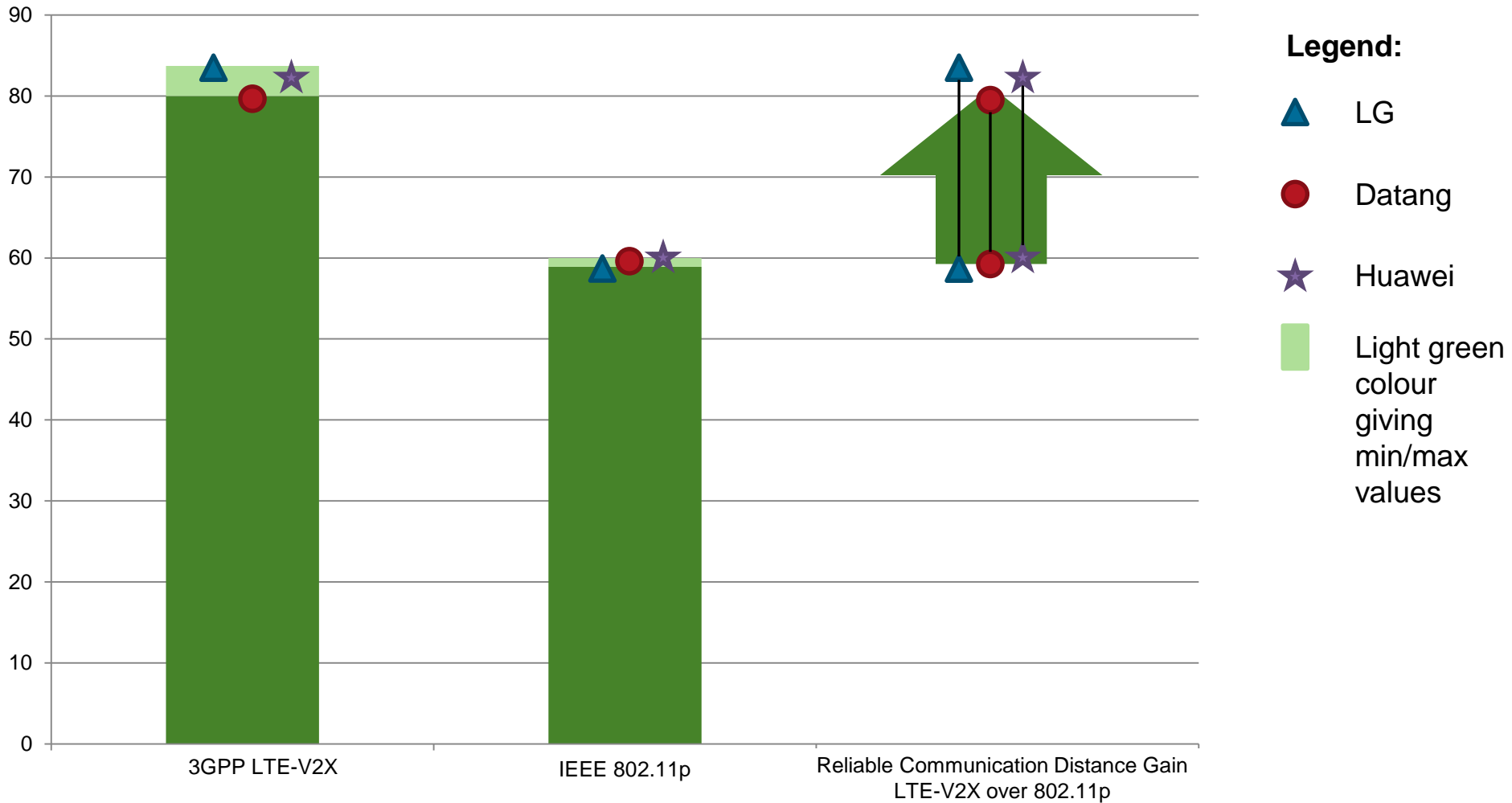




# Urban: Absolute speed 60 km/h PRR 95%



# Urban: Absolute speed 60 km/h PRR 90%



# Urban: Absolute speed 60 km/h PRR 80%

