

Blue Danube Systems

Product and Testing Description

Blue Danube Labs (BDL) is developing a phased array active antenna system to be used as part of a Remote Radio Head (RRH). The system will be used for mobile cellular systems utilizing LTE technology. The initial array will be used for technology verification and demonstrations. It is designed to operate in the PCS and AWS frequency bands. The array is capable of forming 1 – 4 beams and moving these beams in the vertical and azimuth directions. Figure 1 shows a picture of the concept with four beams that would radiate across a typical 120 degree sector.

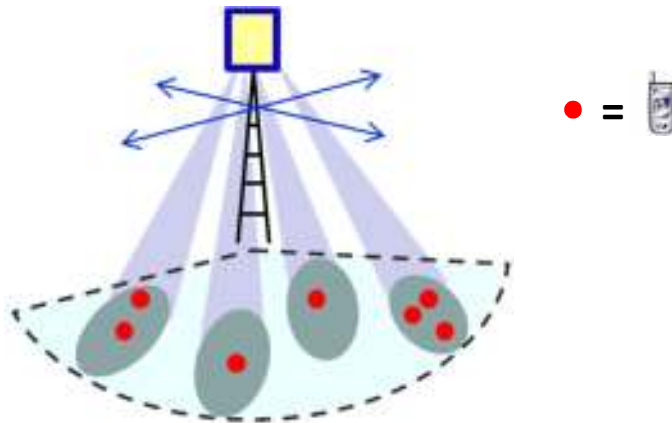


Figure 1

Blue Danube is testing the final prototype prior to beginning commercial certification for the product. The testing will be done at a number of different site locations to determine installability, reliability, and performance.