

Audit Report

P3 communications GmbH

Has been tasked by



Sprint Corporation

6391 Sprint Parkway, Overland Park, KS, 66251-4300

to measure the impact of the HPUE feature on the 2.5GHz Band in a
test cluster in Chicago, IL.

P3

Maziar Kianzad

Managing Director

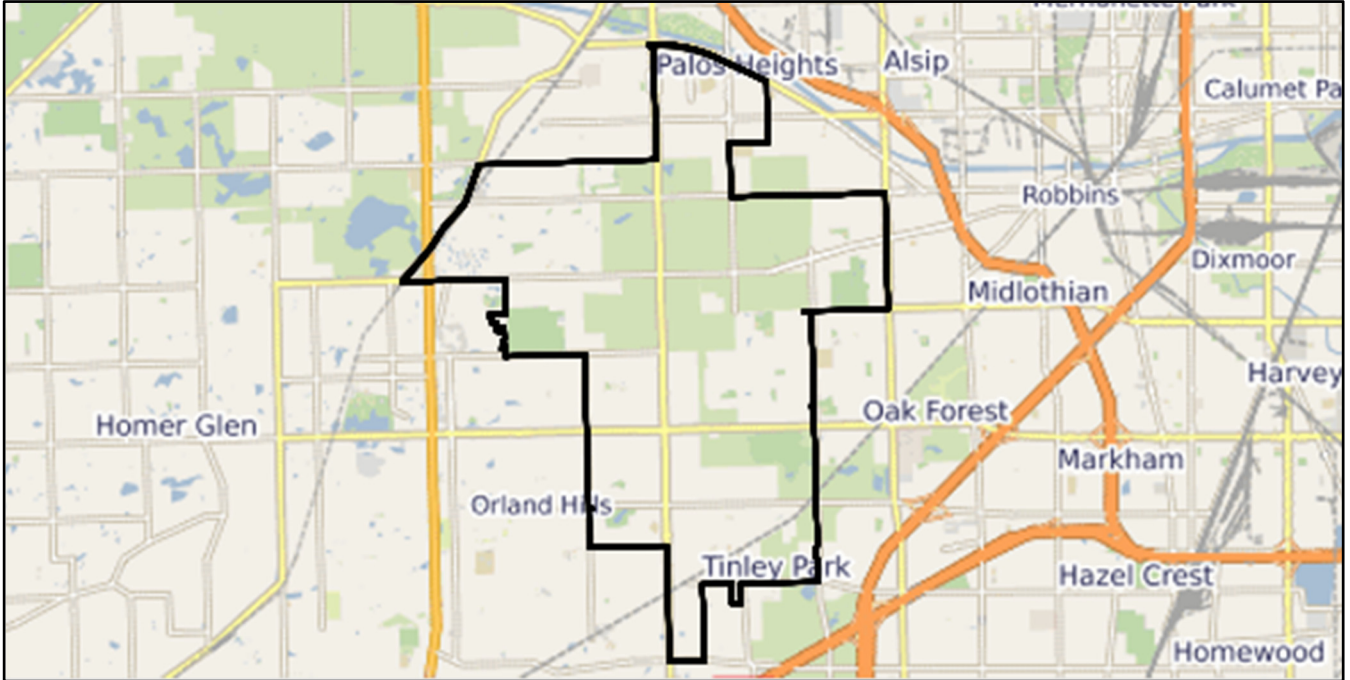
January 2018

A handwritten signature in blue ink that reads "M. Kianzad".

Measurement Setup

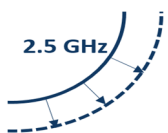
	Data
Device	Samsung Note 8 using the latest carrier specific FW version based on Android 7
Test Cases	HTTP DL datastream, 1 second measurements HTTP UL datastream, 1 second measurements
Mobility and Route Types	100% Drivetest, 100% in Cluster
Samples	~ 4000 per device, per test case
Dates	2 measurement days December 21st – December 22nd, 2017

Test Cluster



Outcome and results

24% extension of 2.5 GHz coverage in Chicago, IL in test with Sprint HPUE device and almost 50% better average download throughput” – based on dedicated drive test in Chicago, IL on Sprint network with goal to estimate impact of HPUE feature

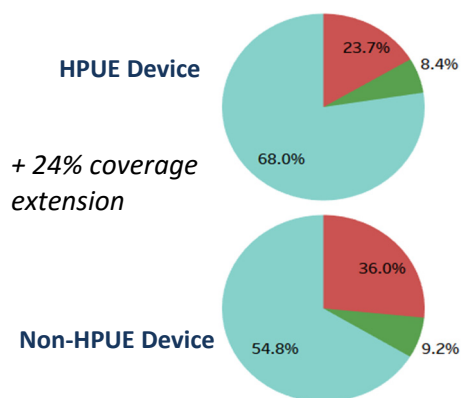


- Extended 2.5 GHz coverage by 24% in Chicago, Illinois test with HPUE feature



- Average download throughput increased by approximately 50% (48.9%) with HPUE active, by having better throughput in almost 60% (59.1%) of the measured time than non-HPUE device

Coverage extension



Download throughput

