

Audit Report

P3 communications GmbH

Has been tasked by



Sprint Corporation

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

to measure the performance of its data services on smartphones in comparison to the other three Tier-1 carriers in the US, AT&T, T-Mobile and Verizon in a test cluster in New York City.

P3

Maziar Kianzad
*Head of Network Testing
& Benchmarking*

May 2017

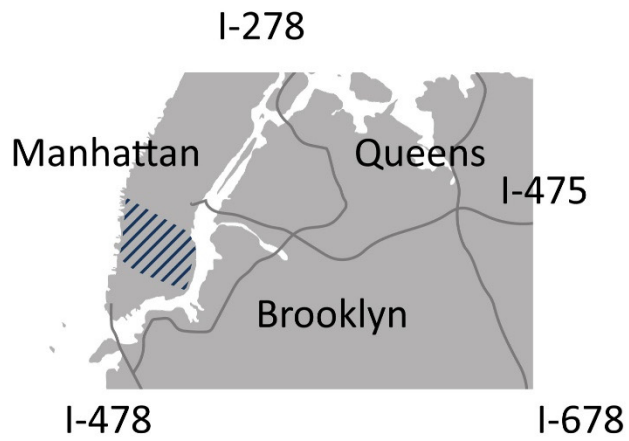
A handwritten signature in blue ink that reads "M. Kianzad".

Measurement Setup

	Data
Device	Samsung Galaxy S7 using the latest carrier specific FW version based on Android 6
Test Cases	Data 4G preferred CA HTTP DL datastream 10s HTTP UL datastream 10s HTTP 3MB DL fixed file transfer HTTP 1MB UL fixed file transfer Web Browsing - Kepler ETSI Ref. Page 9 Live web pages (5 http, 4 https) YouTube video - 45s
Mobility and Route Types	100% Drivetest, 100% in Clusters
Samples	~ 220 per Operator
Dates	2 measurement days April 12th – April 13th , 2017

Test Cluster

New York



▨ Test Cluster

Score Points and Breakdown

The following table indicates the score points achieved by the networks under test for “Data Services” as well as the breakdown of achieved points in the different service categories.

Services	Area	Max.	Sprint	Carrier 2	Carrier 3	Carrier 4
Data	Cluster	600	491	393	420	499

Shown data and total scores are rounded

The following table indicates the achieved percentage of the maximum score in each of the different data services.

Data	Service	Max.	Sprint	Carrier 2	Carrier 3	Carrier 4
Cluster	Web Browsing	210	82%	76%	77%	81%
	File Download	120	79%	72%	76%	83%
	File Upload	120	81%	77%	91%	90%
	YouTube	150	85%	37%	38%	81%