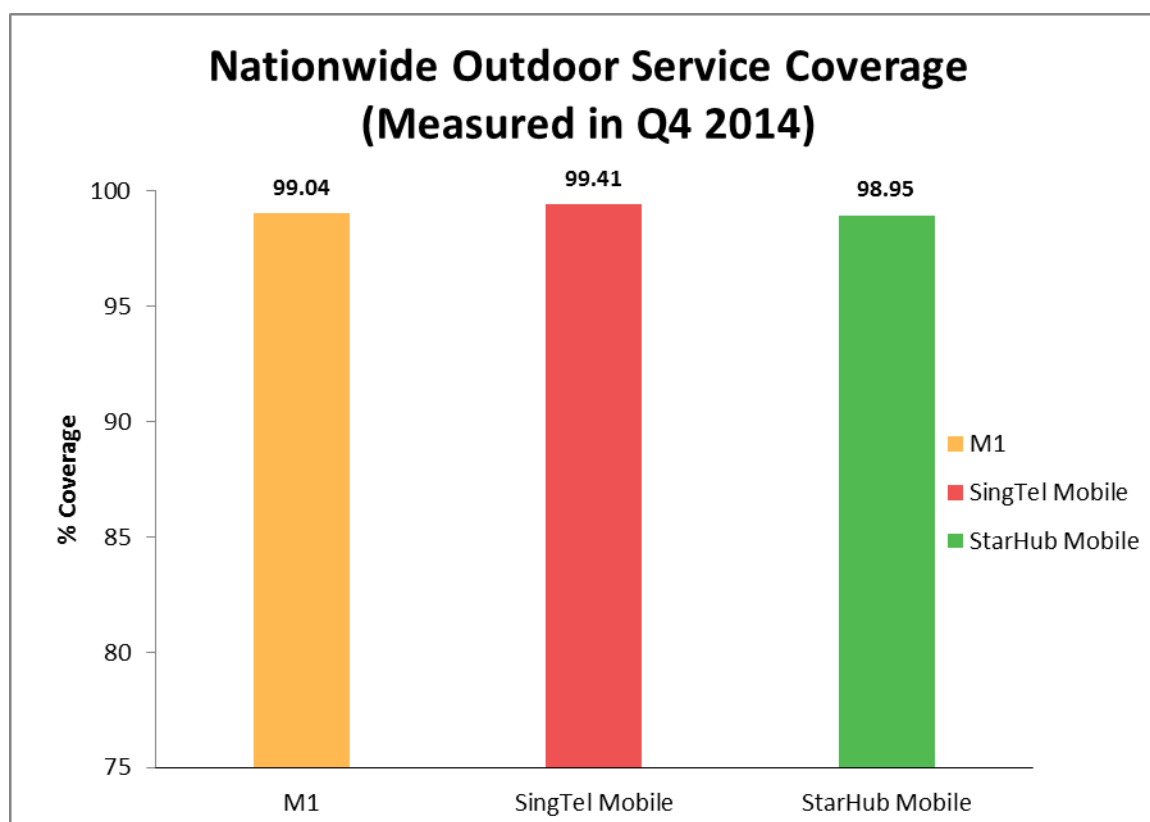


## Annex A

### Nationwide 4G Outdoor Mobile Service Coverage Results in Q4 2014

This indicator measures Nationwide Outdoor Service Coverage for the 4G cellular network. Outdoor 4G mobile service coverage is the ability of a cellular network to achieve a minimum signal strength of at least -109dBm. The outdoor areas surveyed by IDA include all main roads, as well as areas such as housing estates/town centres, outdoor recreational areas and above ground MRT tracks. In order to better reflect end users' experience, IDA had used mobile handsets to collect signal strength sample readings for all mobile service coverage indicators.



**Note:** End users' individual experience may differ due to various reasons such as model of handset used, handset settings, number of users in the vicinity, etc.

## Tunnel Service Coverage

This indicator measures service coverage for the 4G cellular network within tunnels.

IDA's Performance Survey Period - Q4 2014	M1	SingTel Mobile	StarHub Mobile	
CTE	Rollout in progress	100%	99.73%	
KPE		Rollout in progress	97.74%	
Fort Canning			100%	
Woodsville		100%	100%	
MCE		Rollout in progress	Rollout in progress	Rollout in progress
NS MRT				99.75%
EW MRT				98.44%
CCL MRT	99.42%	99.06%	Rollout in progress	
NEL MRT	98.02%		98.92%	
CAL MRT	Rollout in progress		91.79%	Rollout in progress

**Note 1:** For road and/or MRT tunnels without a published result, it means that the respective mobile operator has not completed its 4G service deployment at the particular road and/or MRT tunnel.

**Note 2:** End users' individual experience may differ due to various reasons such as model of handset used, handset settings, number of users in the vicinity, etc. The tunnel service coverage results are based on IDA's coverage performance surveys.