

# The State of 5G Deployments

## The Battle for 5G Supremacy Heats Up

Commercial 5G networks have been deployed in 378 cities across 34 countries

Courtesy of VIAVI Solutions



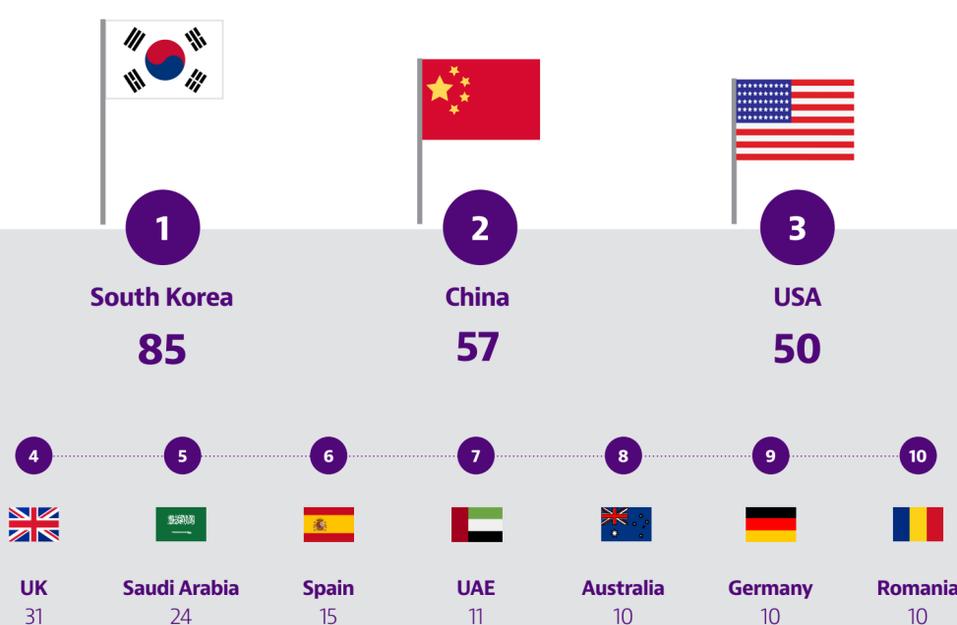
### 5G Countries Across the World



Americas	EMEA	APAC
SURINAME TRINIDAD & TOBAGO URUGUAY USA	AUSTRIA BAHRAIN ESTONIA FINLAND GERMANY HUNGARY IRELAND ITALY	AUSTRALIA CHINA MALDIVES NEW ZEALAND SOUTH KOREA
	KUWAIT LATVIA LESOTHO LITHUANIA MONACO POLAND ROMANIA SAN MARINO SAUDI ARABIA	
	SOUTH AFRICA SPAIN SWEDEN SWITZERLAND OMAN QATAR UAE UK	

### The Top 10 Countries: 5G Leaderboard

Countries are ranked in order by the number of cities in which 5G is available



### Regional spotlights: 5G in China, USA and UK



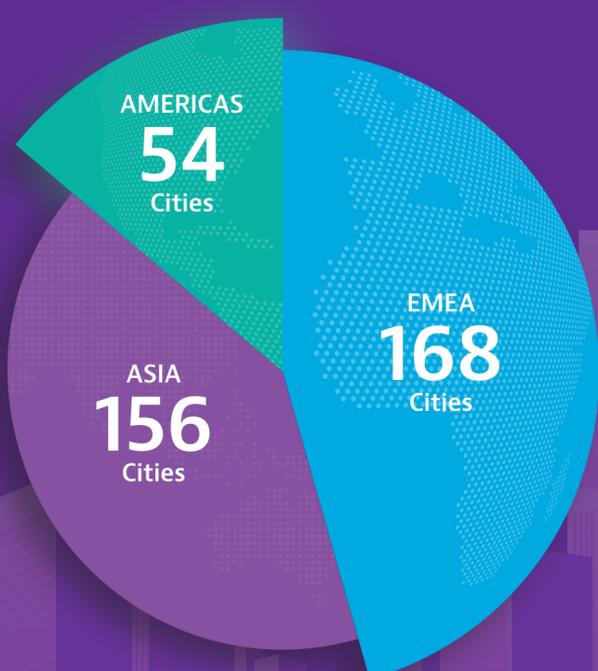
**China**  
57 CITIES

**USA**  
50 CITIES

**UK**  
31 CITIES



### Regional Leaderboard: 5G coverage by region



### 5G Network Testing

Shows the three major interconnected phases of 5G network testing



Lab	Field	Assurance
<p><b>PHASE 1</b> Technology Verification &amp; Validation</p> <p>LAB TO FIELD Field Validation Lab Validation</p>	<p><b>PHASE 2</b> Deploy, Activate &amp; Scale</p> <p>FIELD TO ASSURANCE Assurance &amp; Automation Service Turn-Up</p>	<p><b>PHASE 3</b> Assure, Optimize, Monetize</p>
<p><b>TM500</b> End-user experience simulation</p> <p><b>TeraVM</b> Application emulation</p> <p><b>ONT-600</b> Optical network testing</p> <p><b>RANtoCore</b> End to end network simulation testing</p>	<p><b>OneAdvisor-800</b> All-in-one cell site installation and maintenance test tool</p> <p><b>CellAdvisor</b> 5G RAN performance testing</p> <p><b>T-BERD/MTS-5800</b> Fiber inspection &amp; certification</p> <p><b>NITRO vNet Fusion</b> Virtual service activation and performance management</p>	<p><b>NITRO Mobile Assurance</b></p> <p><b>NITRO Mobile Intelligence &amp; Analytics</b></p> <p><b>NITRO Mobile Optimization</b></p>

Note: Total number of 5G cities is correct to the best of our knowledge as of January 2020