

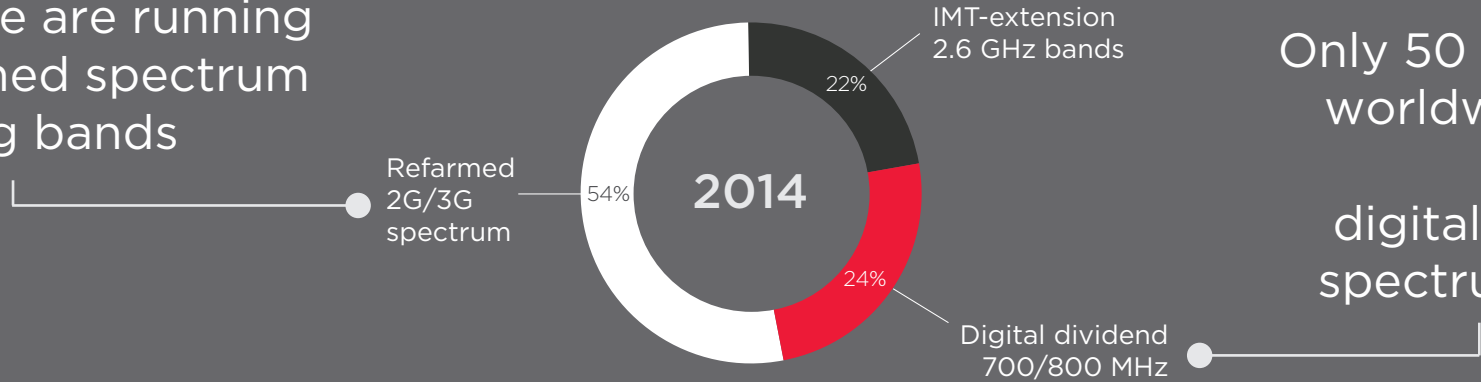


# Mapping 4G-LTE deployments by frequency bands

352 mobile operators have commercially launched 4G-LTE networks across 124 countries worldwide as of the end of January 2015

To date, the majority of 4G-LTE deployments worldwide are running on refarmed spectrum in existing bands

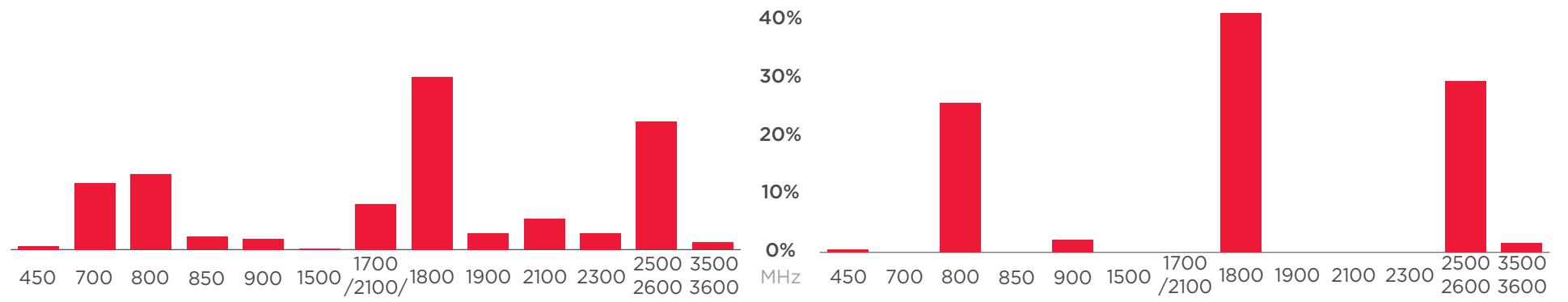
% of spectrum scenarios used in global 4G-LTE deployments



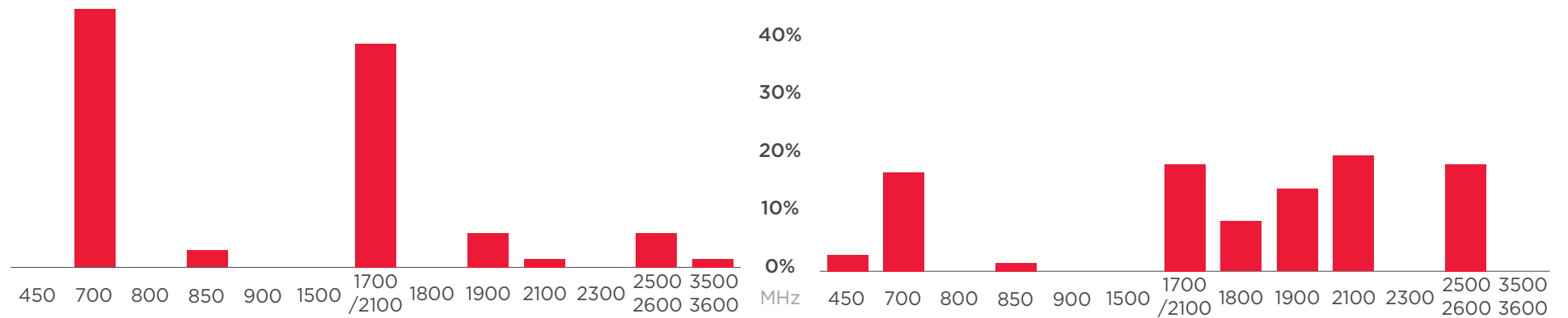
Only 50 countries worldwide have assigned digital dividend spectrum bands

4G-LTE deployments by frequency bands, 2014

Global — 50% — Europe



North America — 50% — Latin America



APAC — 50% — CIS

