



LIGHTCOUNTING

2Q20 Wireless Infrastructure – August 2020

Quarterly Update – 2G/3G/4G/5G Radio Access & Core Networks



Table of Contents

2Q20 WIRELESS INFRASTRUCTURE – AUGUST 20201

QUARTERLY UPDATE – 2G/3G/4G/5G RADIO ACCESS & CORE NETWORKS.....1

TABLE OF CONTENTS.....2

ABSTRACT4

KEY TAKEAWAYS5

DRIVEN BY A 5G SURGE IN CHINA, 2Q20 WIRELESS INFRASTRUCTURE MARKET WAS UP 34% YOY, UP 35% SEQUENTIALLY6

 5G WAS AGAIN THE BRIGHT SPOT AND BY THE END OF JUNE 2020, THE NUMBER OF 5G COMMERCIAL NETWORKS HIT 92..... 7

 HUAWEI AND ZTE GAIN MARKET SHARE7

 IN CORE NETWORKS, THE 5G CORE TAKEOFF WAS THE BRIGHT SPOT..... 9

virtual EPC is the bright side of 4G core 9

AS COVID-19 LINGERS, 2H20 OUTLOOK REMAINS CLOUDY 11

 MASSIVE 5G ROLLOUTS IN CHINA, 5G SA IN SOUTH KOREA AND MODERATE 5G DEPLOYMENTS IN JAPAN FUEL OUR ASIA PACIFIC FORECAST11

In India, single 2G/3G/4G will dominate deployments this year as 5G looks chaotic.....12

In Vietnam, we may see some 5g rollouts12

 IN NORTH AMERICA, THE U.S. MOVES FORWARD, CANADA AWAKES.....13

Canada is showing signs of 5G life, deploying 5G without Huawei.....13

 EMEA IS COVID-19 INFECTED AND WAITING FOR THE OUTCOME OF THE US PRESIDENTIAL ELECTION... ..14

Germany and Russia are the 2 bright spots so far14

In Russia, Tele2 and MTS are executing as planned with Ericsson15

The MEA is almost at a standstill.....15

 ...SO IS CALA.....15

OUR LONG-TERM WIRELESS INFRASTRUCTURE MARKET FORECAST LOOKS FLATTISH UNTIL 2023 .. 17

The US presidential election can reshape our entire forecast17

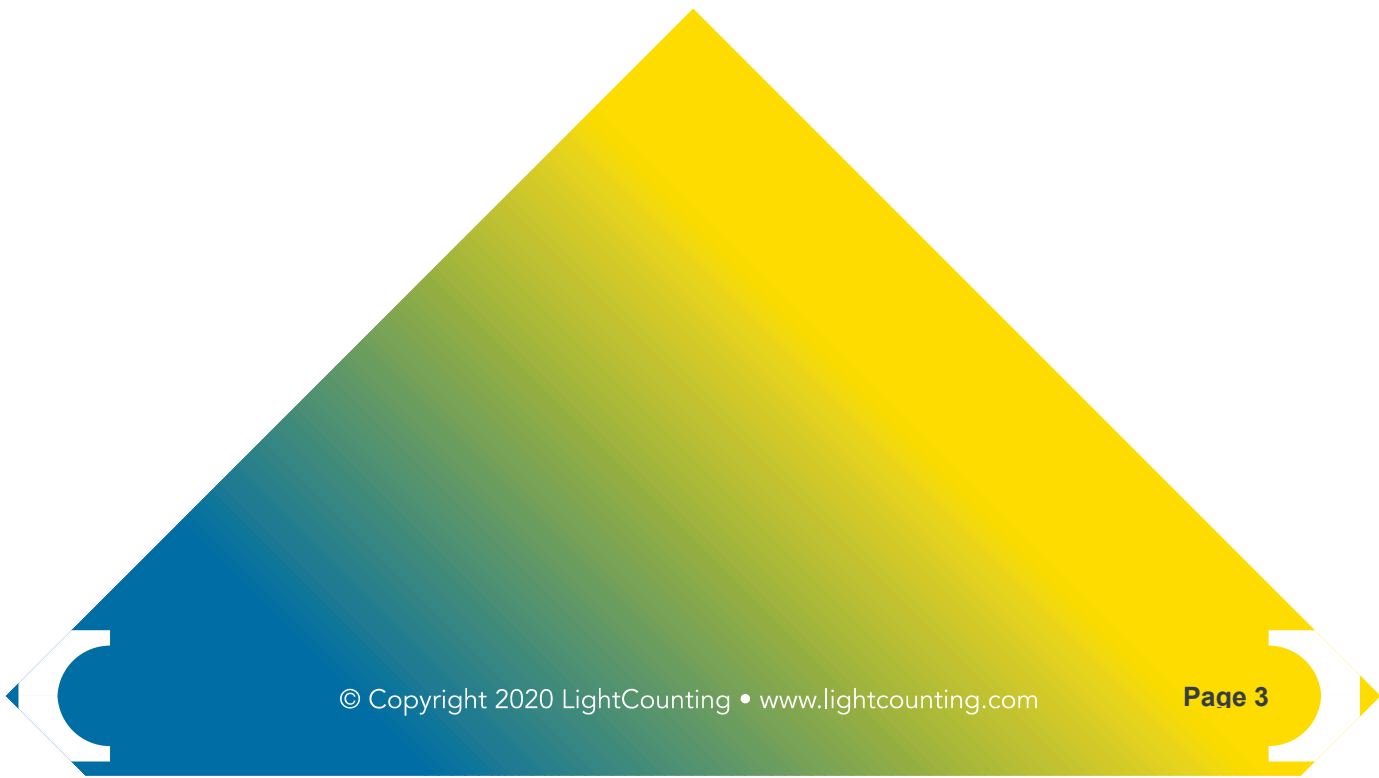
 HOME TO THE WORLD’S LARGEST WIRELESS NETWORK FOOTPRINTS, ASIA PACIFIC WILL REMAIN THE LARGEST MARKET18

China and India are the 2 wild cards that can make or break the market in the region.....19

 NORTH AMERICA WILL REMAIN THE WORLD’S SECOND WIRELESS INFRASTRUCTURE MARKET AFTER ASIA PACIFIC19

 EMEA WILL SLOWLY CRAWL BACK TO MODERATE GROWTH... ..20

 ...So will CALA.....21



Abstract

This report analyzes the 2Q20 wireless infrastructure market worldwide and covers 2G, 3G, 4G and 5G radio access network (RAN) and core network nodes. It presents historical data from 2016 to 2019, quarterly market size and vendor market shares, and a detailed market forecast through 2025 for 2G/3G/4G/5G RAN, including vRAN, and core networks (e.g., EPC, vEPC and 5GC), in over 10 product categories for each region (e.g., North America, Europe, Middle East Africa, Asia Pacific, Caribbean Latin America). The historical data accounts for sales of more than 30 wireless infrastructure vendors, including a few vendors that shared confidential sales data with LightCounting. The market forecast is based on a model correlating wireless infrastructure vendor sales with 20 years of service provider network rollout patterns analysis, and upgrades and expansion plans.