

2Q22 WIRELESS INFRASTRUCTURE - AUGUST 2022

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

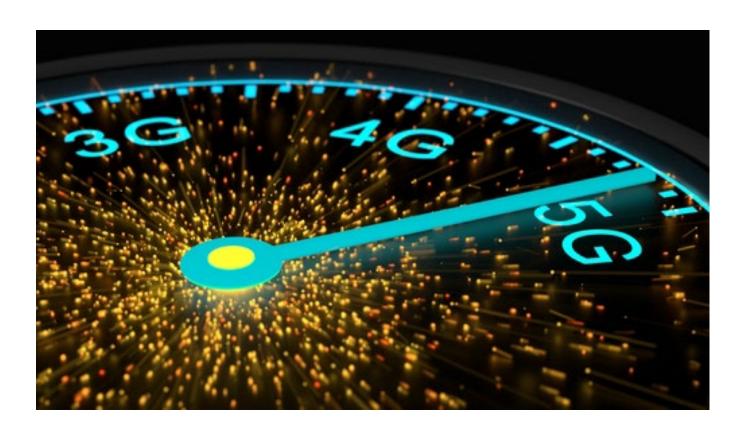




Table of Contents

ABSTRACT	3
KEY TAKEAWAYS: SLUGGISH 1Q22 PAVED THE WAY TO A WEAK 2Q22	4
2Q22 IS FLAT SEQUENTIALLY AND DOWN 7% YOY, THE GLOBAL MARKET CONTINUES TO OPERAT	ſE
AT ITS EQUILIBRIUM REACHED IN 3Q21	
5Geopolitics has set a wireless market equilibrium between the west and the east	6
But the West's GDP remains significantly higher than the East's	
Now with Russia at war with Ukraine, India is the caveat	8
5G REMAINS THE BRIGHT SPOT AND AS OF JUNE 2022, THE NUMBER OF 5G COMMERCIAL NETWORKS HIT 218	
As mentioned in the previous 5G core section, a faster migration to SA is greatly desired	9
The potential for LTE-A and VoLTE upgrades looks phenomenal	9
The need for IMS has never been greater	10
The need for new EPC is vanishing but capacity expansion looks strong	10
ERICSSON SECURES THE #1 POSITION FOR BOTH TOTAL INFRASTRUCTURE AND RAN MARKET SHARES	10
Due to the equilibrium, it remains musical chairs between the Chinese and the European duos	11
The swap is real and here to stay, until 6G kicks in?	12
In core networks, the bulk of $5G$ core sales again came from China in $2Q22$: Huawei and ZTE combined	
COMMAND A 64% MARKET SHARE	
In the West, the slow pace seen in 1Q22 lingered in 2Q22	
and only Nokia managed to add a few customers in 2Q22	
In 4G core, Huawei maintained its lead, followed by Ericsson	
Gaining or keeping market share in the EPC/vEPC market is a tough balancing act	16
AS RIGHTLY ANTICIPATED, 2021 WAS A RETURN TO NORMALCY THAT SIGNALS A PEAK IN 2022	17
OUR FORECAST REMAINS INTACT FOR 2022 BUT IS 2% LOWER FROM 2023 TO 2026	17
For now, we still expect the wireless infrastructure market to hit \$47B by yearend	18
WE MAINTAIN OUR VIEW THAT SUPPLY CHAIN ISSUES ARE AN INHERENT PART OF THIS EQUILIBRIUM	19
OUR LONG-TERM WIRELESS INFRASTRUCTURE MARKET FORECAST POINTS TO A DECLINING TRE	
	20
OPEN RAN WILL CONTINUE ITS SLOW ASCENSION	21
Ironically, geopolitics fueled both the open RAN ecosystem and traditional 5G RAN rollouts led by Erics	
Nokia, and Samsung	
HOME TO THE WORLD'S LARGEST WIRELESS NETWORK FOOTPRINTS, ASIA PACIFIC WILL REMAIN THE LARGEST MARKET.	24
NORTH AMERICA WILL REMAIN THE WORLD'S SECOND LARGEST WIRELESS INFRASTRUCTURE MARKET AFTER ASIA PACI	FIC25
EMEA will remain flat through 2024	26
AND CALA IS BOUNCING BACK WITH STRONG GROWTH AHEAD	27



Abstract

This report analyzes the 2Q22 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 2021, quarterly market size and vendor market shares, and a detailed market forecast through 2027 for 2G/3G/4G/5G RAN, including Open vRAN, and core networks (EPC, vEPC, and 5GC), for each region (North America, Europe Middle East Africa, Asia Pacific, Caribbean Latin America). The historical data accounts for the 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 pattern analysis, and upgrade and expansion plans.