



Japan Update Report – September 2020

The Rakuten Mobile effect or lack thereof...

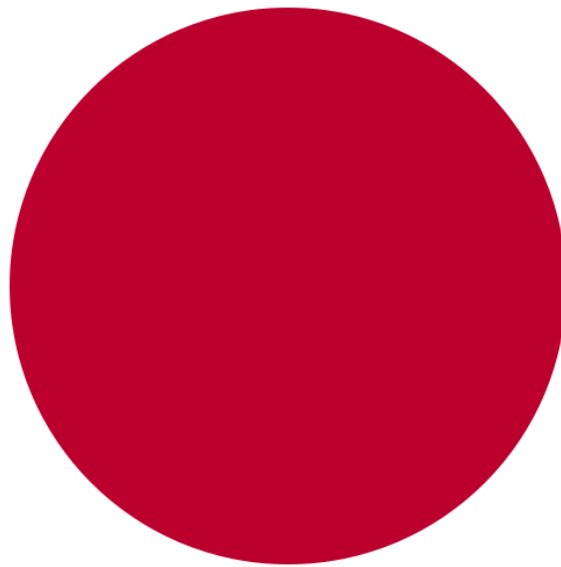


Table of Contents

JAPAN UPDATE REPORT – SEPTEMBER 2020 1

THE RAKUTEN MOBILE EFFECT OR LACK THEREOF... 1

TABLE OF CONTENTS 2

ABSTRACT 3

KEY TAKEAWAYS 4

RAKUTEN MOBILE IS ENTERING A SATURATED YET DEMANDING MARKET 5

 2018 WAS THE YEAR JAPAN DECIDED TO SHAKE UP ITS OLIGOPOLISTIC MOBILE MARKET 6

 THE ENTRY OF A FOURTH PLAYER WAS LONG OVERDUE 6

 JAPAN IS POISED FOR A RELIANCE JIO REDUX 6

 ACTUALLY, OPEN vRAN MAY LEAD TO A RELIANCE INFOCOMM REDUX..... 7

 IN RAKUTEN MOBILE’S SIMPLIFIED NETWORK, THE U.S. MADE OPEN vRAN IS THE ONLY CONCERN 9

At the FCC Open RAN Forum, AT&T and Verizon called out scale, maturity, and integration as chief open RAN challenges 9

Consequently, Rakuten Mobile looks like an RCom/Jio combo..... 9

DESPITE ITS AMBITIOUS AND DISRUPTIVE PLAN, RAKUTEN MOBILE WON’T MOVE THE NEEDLE IN JAPAN’S MOBILE CAPEX 10

 CAPPING CAPEX WAS PLANNED A LONG TIME AGO 10

 RAKUTEN MOBILE’S 4G NETWORK BUILDOUT WON’T BUDGE JAPAN’S 4G BTS FOOTPRINT THAT MUCH 11

Counting BTS is a tough job in Japan! 11

 AS REQUIRED BY THE MIC, 5G ROLLOUTS START SLOW AND PROGRESS GRADUALLY..... 12

 JAPAN’S 5G BTS CONFIGURATION WILL SIMPLIFY THE COUNTING PROCESS 13

Japan’s 5G looks like 1 site = 1 CU (including the DU)..... 13

Influenced by the U.S., the Japanese government is pushing the open RAN agenda..... 14

...and giving incentives to Fujitsu and NEC to strengthen their market position..... 14

The U.S. also asked NTT and NEC to be founding members of the Open RAN Policy Coalition 15

 ALL THIS LEADS TO A RAN MARKET THAT AT PEAK WILL BE SIGNIFICANTLY LOWER THAN THE 4G PEAK 15

Outdoor 5G deployments will remain above 80% throughout the forecast period..... 16

And finally, open RAN has the potential to account for 66% of total 5G RAN units by 2025..... 17

Abstract

This report focuses on Japan's mobile market and analyzes the implications of the introduction of Rakuten Mobile and the Japanese government's open RAN push. The publication date is scheduled a few weeks after the 4 services providers (e.g., KDDI, NTT DOCOMO, Rakuten Mobile, and Softbank) provide their interim report so that we can gather many details about 1H20 and provide a 2H20 outlook, a 5-year RAN forecast, and a 3-year capex outlook. This report also includes subscriber and base station (BTS) numbers and RAN vendor market shares and analysis.