# RichWave Technology Corp.

Investor Presentation

Sep. 2019

# COMPANY OVERVIEW

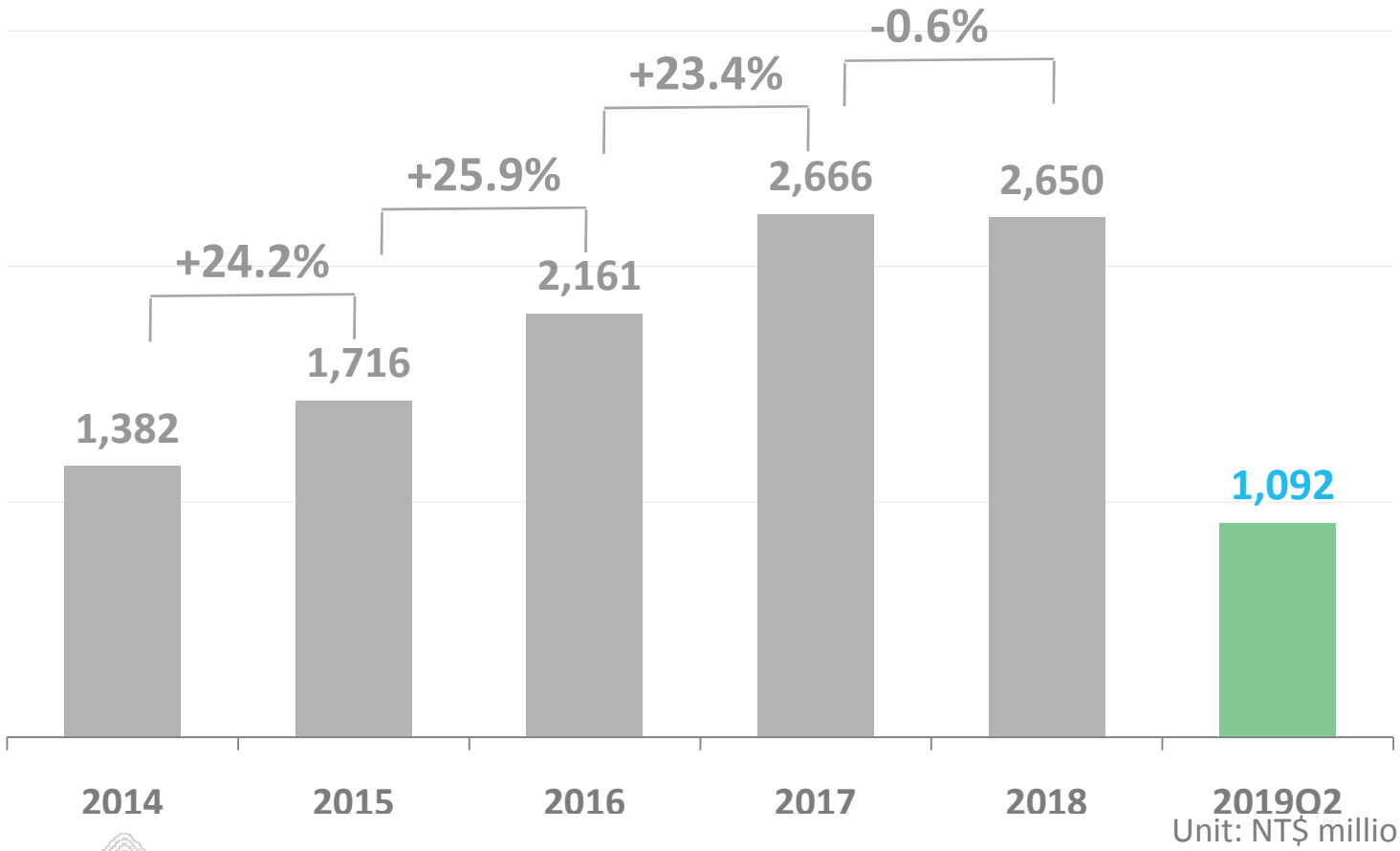
| Founded | Listed in TSE | Customers | Products |
|---|---|---|---|
| **Jan. 2004** | **Nov. 2015** | **350+** | **270+** |

# Vision

RichWave

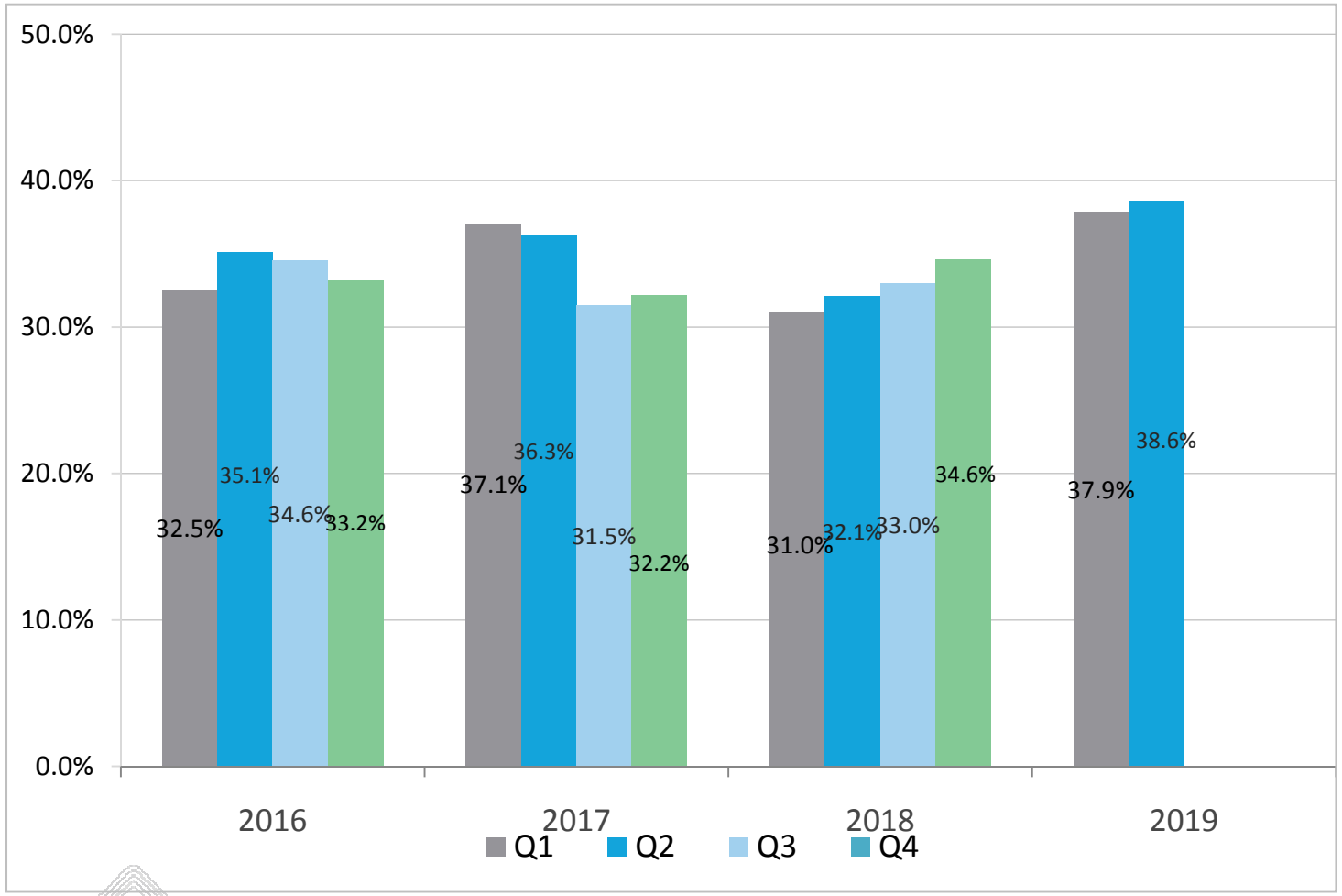
## World RF IC Leader
## by Technology and Innovation

# Net Sales 2014-2019

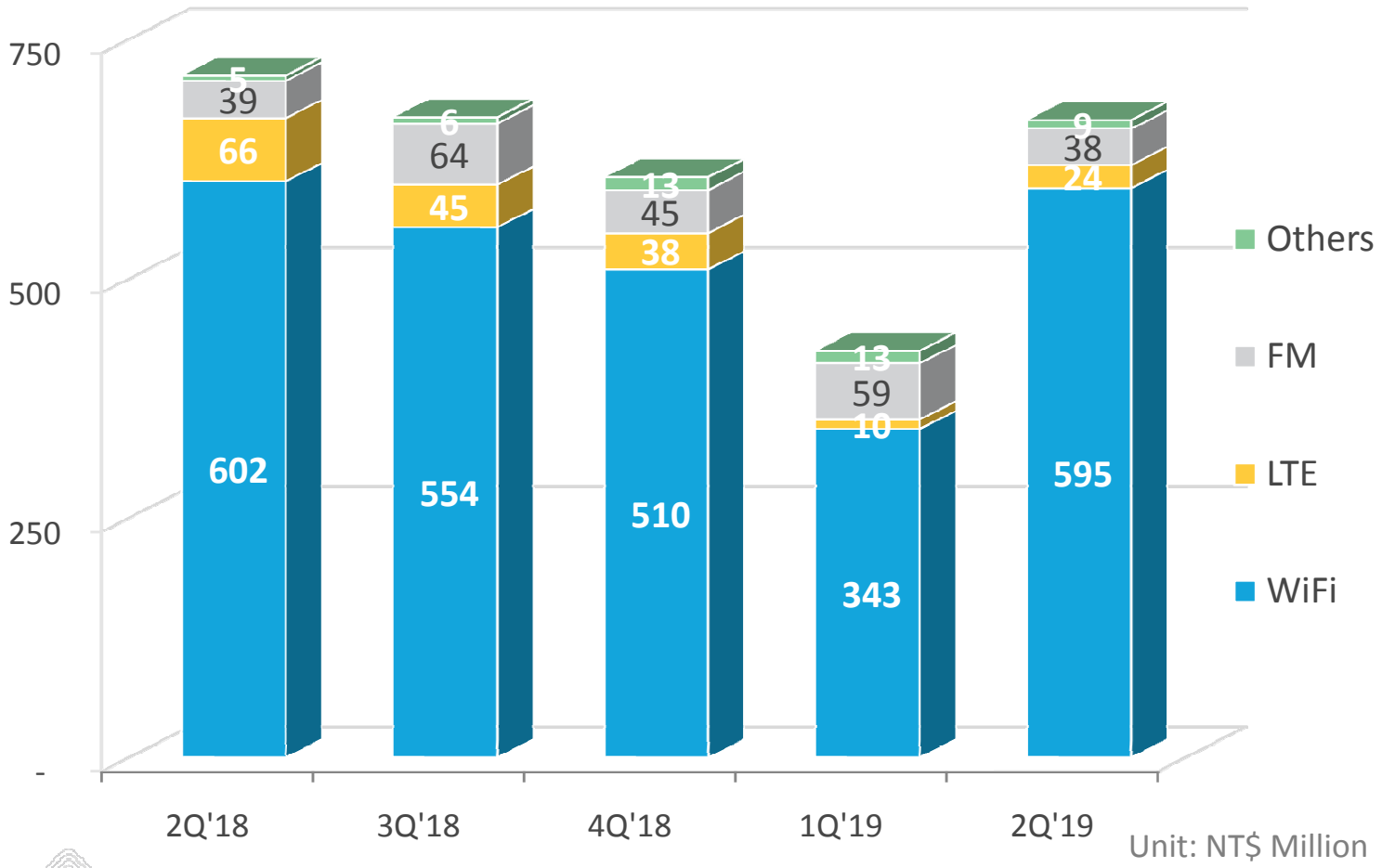



Unit: NT$ million

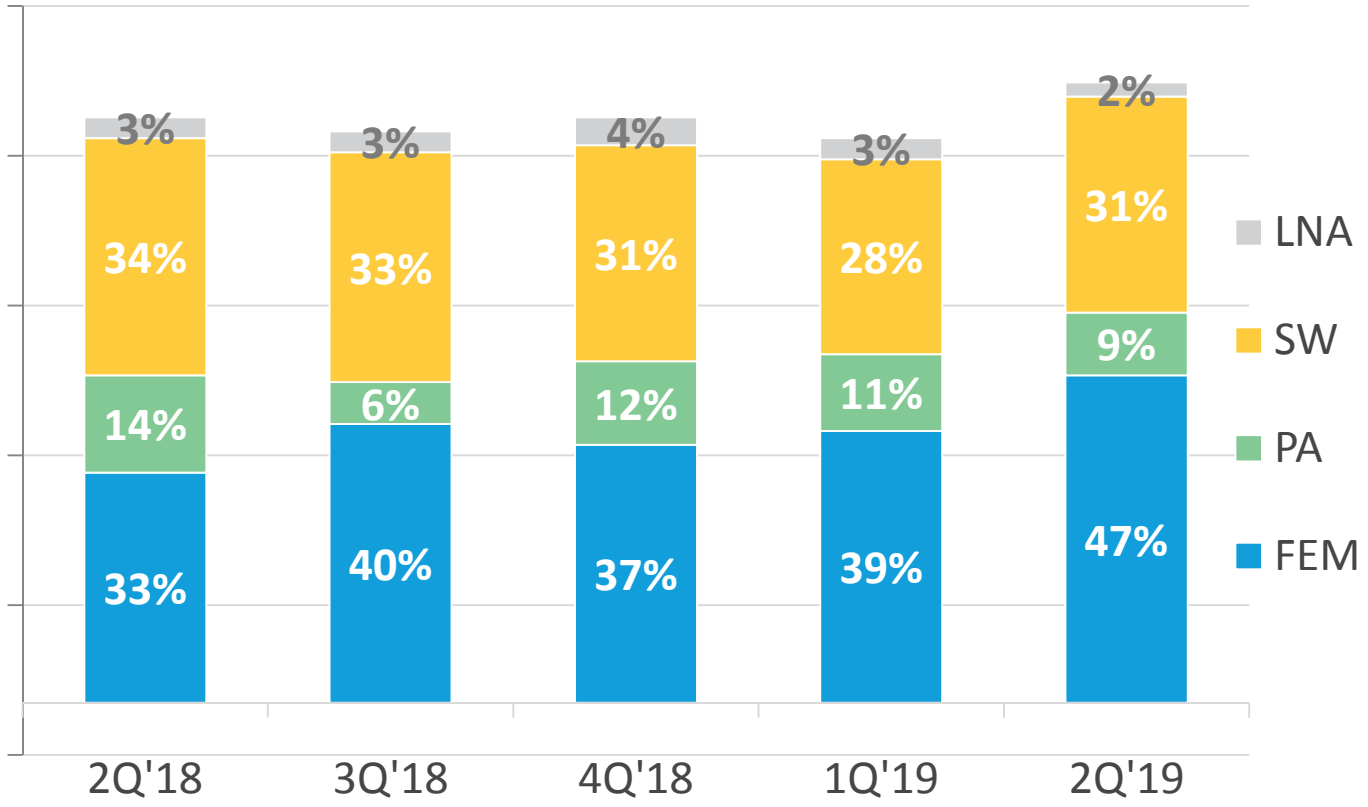
# Gross Margin Trend 2016-2019



# Revenue by Products

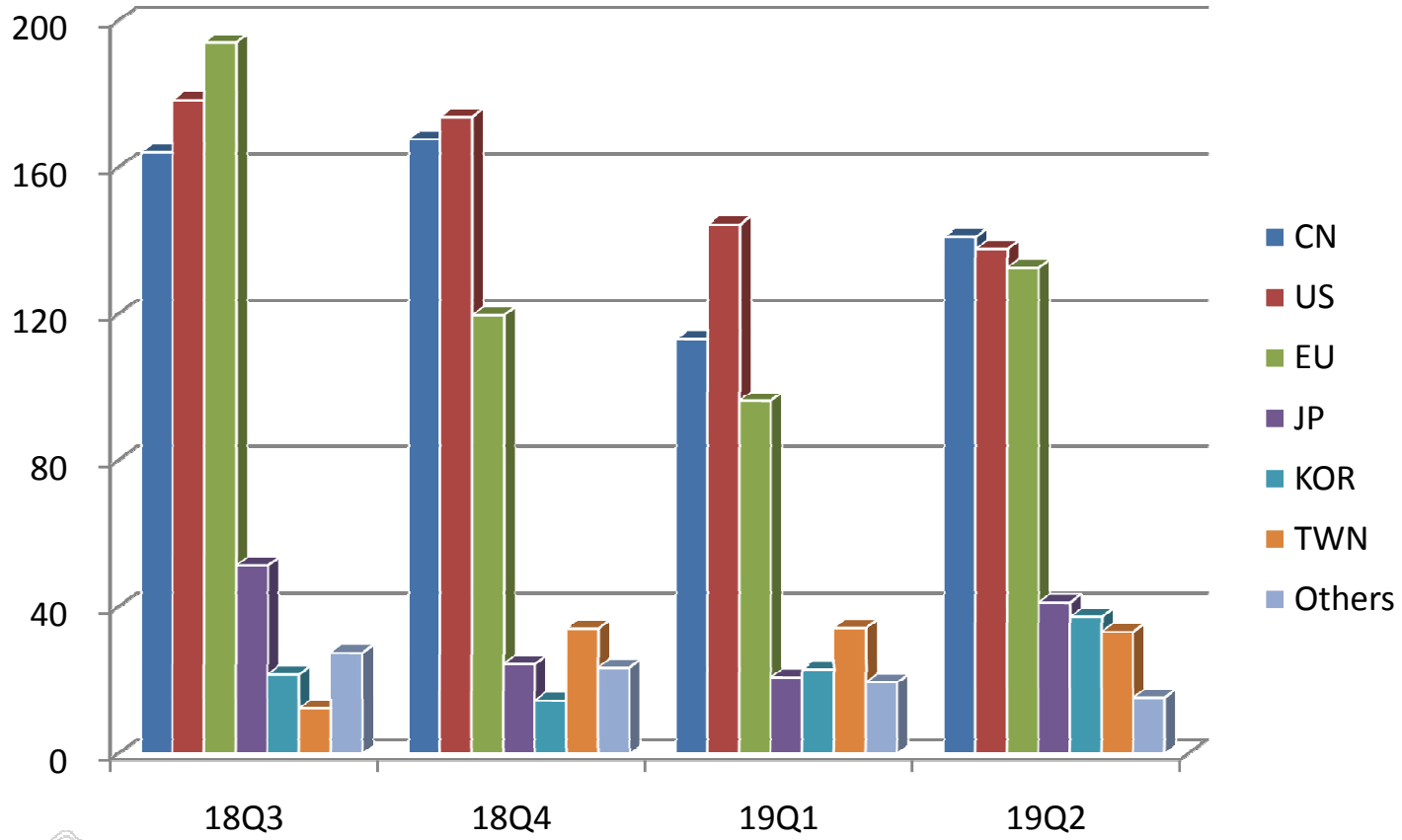


# High Integration WiFi FEM & High Power PA Gain Weighting



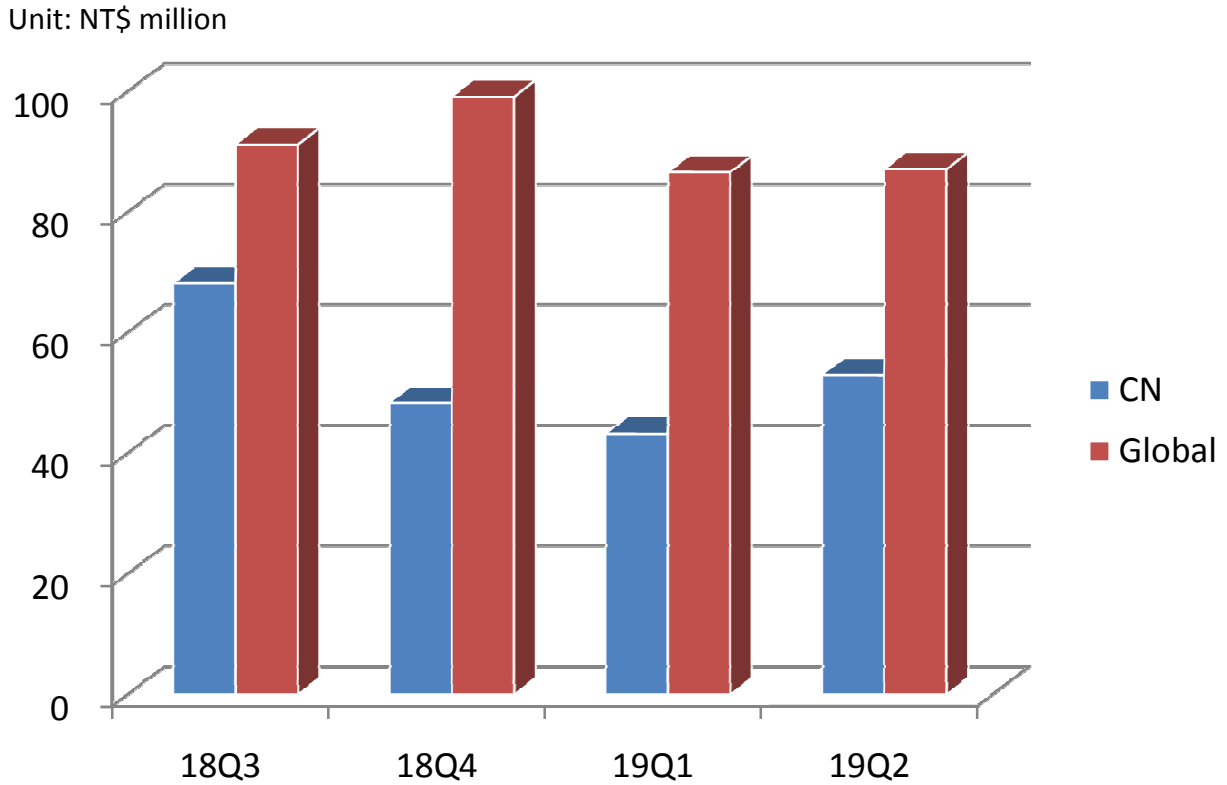
# WiFi Revenue by Areas

Unit: NT$ million

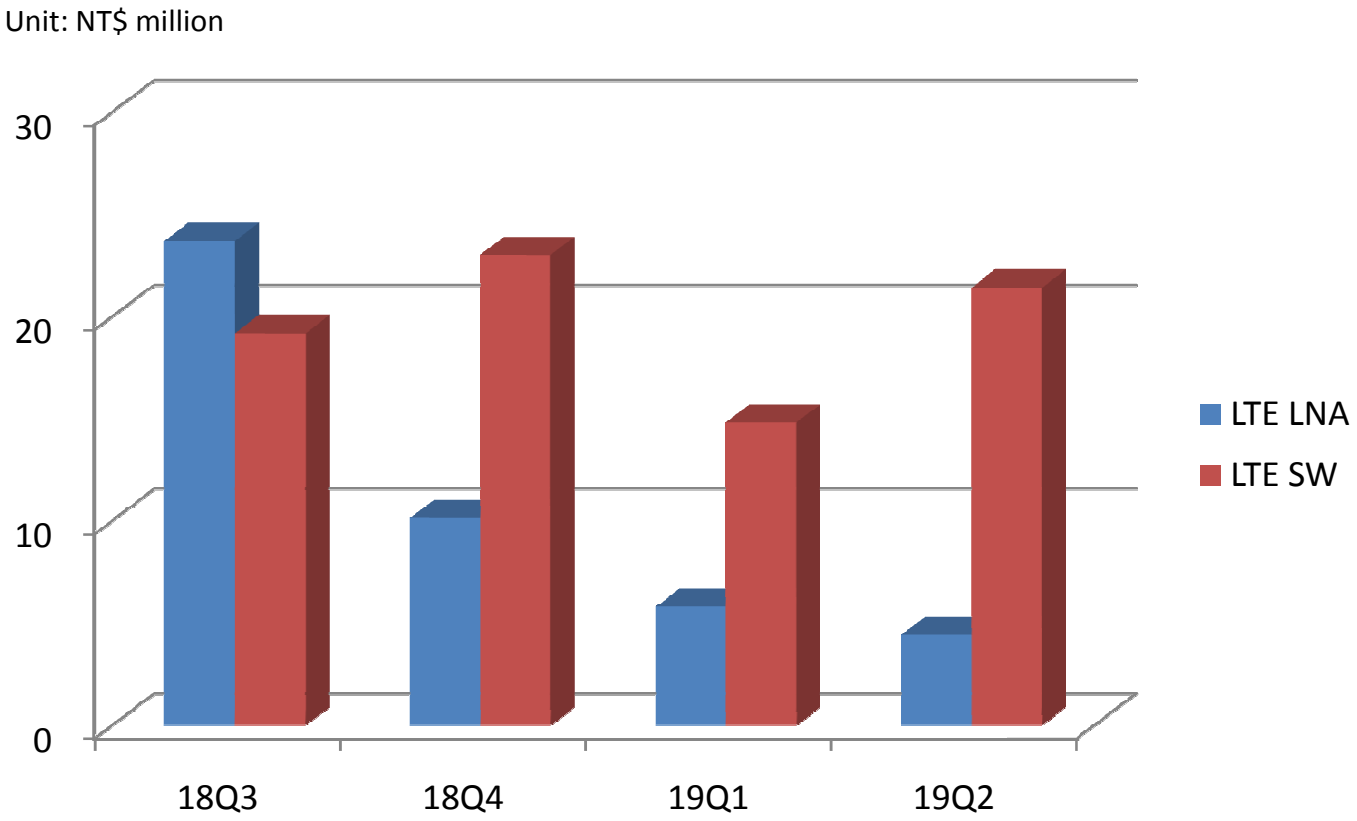


# Key Growth in Global Brand WiFi AP Market

- 11ac FEMs continue expanding to global brands AP market including retailers and telecom operators.

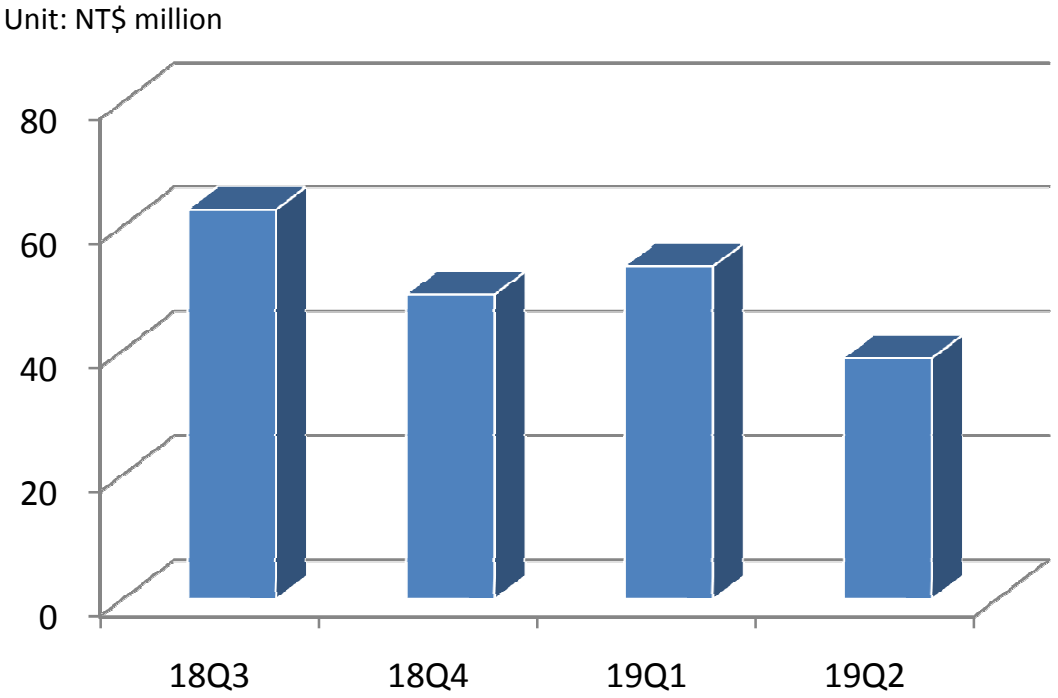


# LTE Continues to Win in Mobile Brands



# FM Penetrates Further Main Mobile Brands

- FM continues on flagship phones, and expands to further Korea main brand.
- Next generation FM launched, and expands to new Korea flagship phone models.



# Business Highlights – WiFi

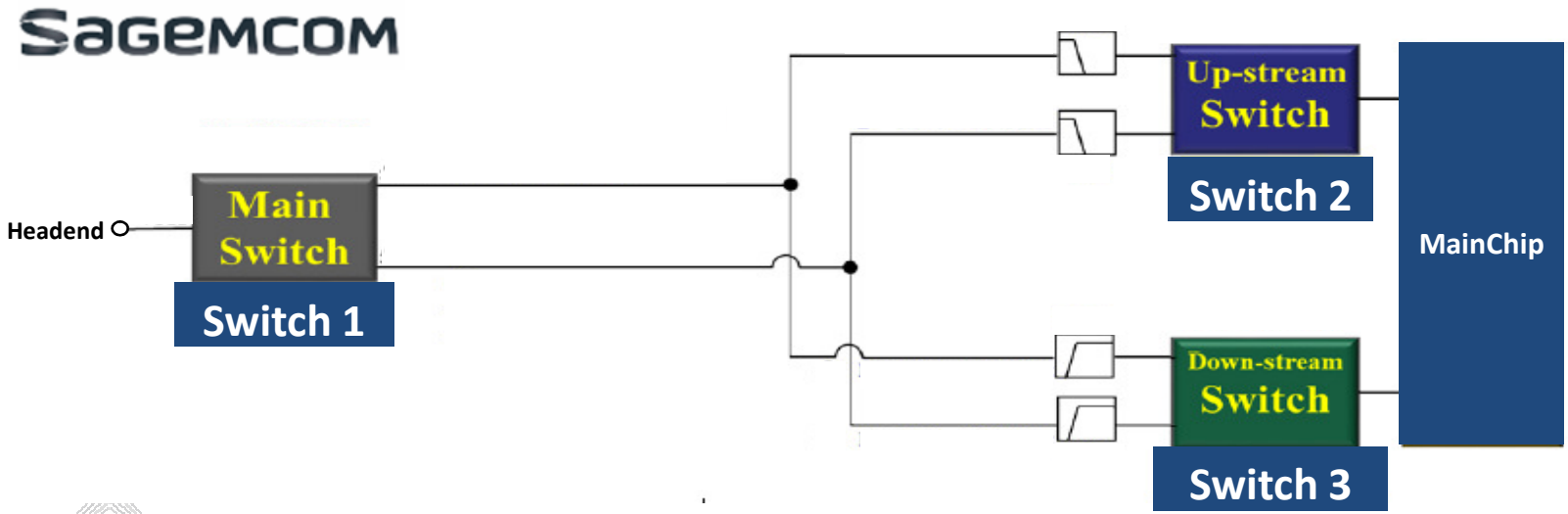
- Start first shipment of 11ax FEMs for DSL gateway for Swedish telecom operator.
- Volume shipment of 11ac FEMs for EU routers for Technicolor.
- Volume shipment of WiFi switches for Nintendo Switch (gaming).
- Win 11ac FEMs design for 10G PON gateway for Sagemcom
- Win 11ac FEMs design for cable gateway for Ubee for US cable operator.
- Win 11ac FEMs design for GPON gateway for Switzerland telecom operator.
- Win 11ac FEMs design for home gateway & mesh router for India Reliance.
- Win 11ac FEMs design for WiFi repeater and gateway for Freebox.
- Win WiFi switches design for Amazon doorbell.
- Become Huawei approved vendor (AVL), and start shipment of 11ac FEMs for Huawei routers.

# Business Highlights – Mobile

- Win WiFi 11ac 5GHz FEM design for PAD/4G module:
  - Samsung PAD, Lenovo PAD, Ouectel LTE module
- Win LTE LNA design for smart phone/4G module:
  - LG smart phone, OPPO smart phone, Quectel LTE module

# Business Highlights - Cable Switch

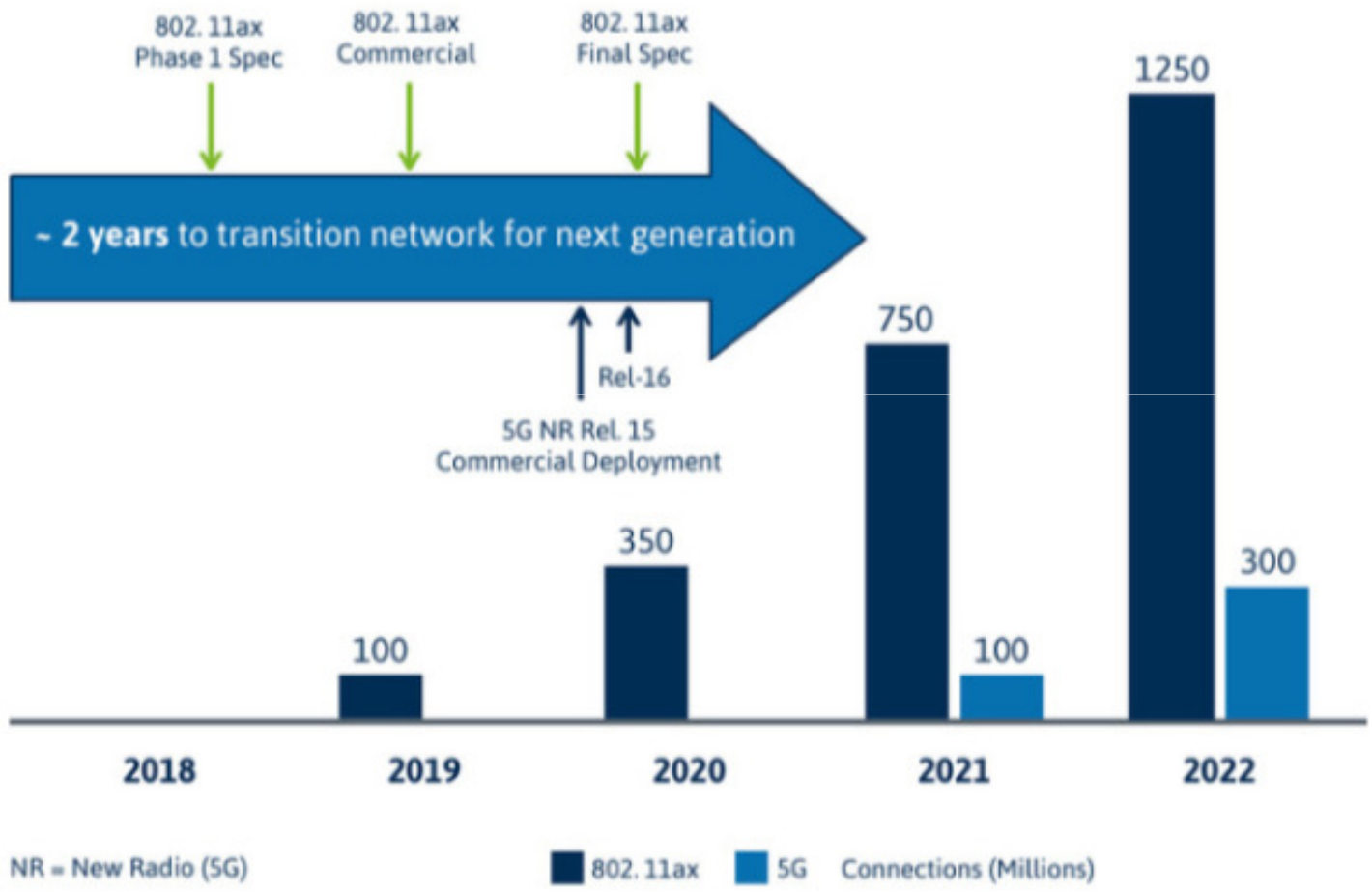
- Start first shipment of cable Docsis 3.1 switches to Sagemcom.
- Win cable Docsis 3.1 switches design for US cable operator.
- Win cable Docsis 3.1 switches design for EU cable operator.



# Business Highlights – Automotive

- Start shipment of 11ac FEMs for WiFi modules for automotive for GM
- Start shipment of switches for LTE modules for automotive telematics for Bosch

# RichWave WiFi Moving into 11ax




Source: Wireless Broadband Alliance, 2018/9

RichWave