AMICCOM Electronics Corporation
笙科電子股份有限公司

Stock code：5272

AMICCOM Electronics Corporation

2022-5-26 On-line Investor Conference

Contact window for investors
Spokeswoman: Jessica Kan
Deputy Spokeswoman: Vicky Chao
TEL：+886-3-560-1717
E-mail：ir@amiccom.com.tw

Lecturer
Assistant VP：F. L. Lin

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Disclaimer

The following presentation contains projections and statements related to future business performance developments involving AMICCOM Electronics Corp. that may be seen as forward-looking statements. Actual events and results may differ materially from what is projected in the forward-looking statements and are subject to several risks and uncertainties what are beyond AMICCOM's control.

The forward-looking statements in this report reflect the views of AMICCOM as of the date they are made. AMICCOM Electronics Corp. does not intend, nor are obligated to revise or update these forward-looking statements in light of new events or information.

AGENDA

- **Company profile**

- **Financial overview**

- **Industry trends**

- **Product strategy**

- **Q & A**

Company Profile

➤ Company profile

Established at 09/23/2005

Headquarter：10F., No.18, Taiyuan St., Zhubei City, Hsinchu County 30265, Taiwan, R.O.C

Capital：559,731,180 NTD

2021 Revenue：579,747,520 NTD

➢ Company profile

Employee：98
(RD 68%, 50% with Master degree)

Business content：Research、development、design、manufacture and sale for RFIC

Offices：Hsinchu、Taipei、Shenzhen、Shanghai

Product：RF IC、RF SOC

上海

深圳

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Financial Overview

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> Income statement (2021 v.s. 2020)   unit：NTD'k

Item	2021	2020	YOY
Operation revenue	579,748	445,014	30%
Gross profit	298,674	202,343	48%
Gross margin	51%	45%	--
Operation expense	257,028	242,156	6%
Operation expense ratio	44%	54%	--
Operation profit	41,646	-39,813	Turn loss into gain
Operation margin	7%	-9%	--
Non-Operating net income(loss)	9,461	6,353	49%
Net income(loss) before Tax	51,107	-33,460	Turn loss into gain
Income Tax	-1,413	13	--
Net income(loss) after Tax	52,520	-33,447	Turn loss into gain
Net margin	9%	-8%	--
EPS	0.96	-0.61	Turn loss into gain
ROE	5%	-4%	--

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Revenue and Profit for 5 years

NTD'K

Revenue Growth Rate

	2018	2019	2020	2021
Revenue	553,240	521,596	445,014	579,748
Net Income(Loss)	(18,542)	12,504	(33,447)	52,520
GM(%)	49%	49%	45%	51%
EPS(NTD)	-0.33	0.22	-0.61	0.96

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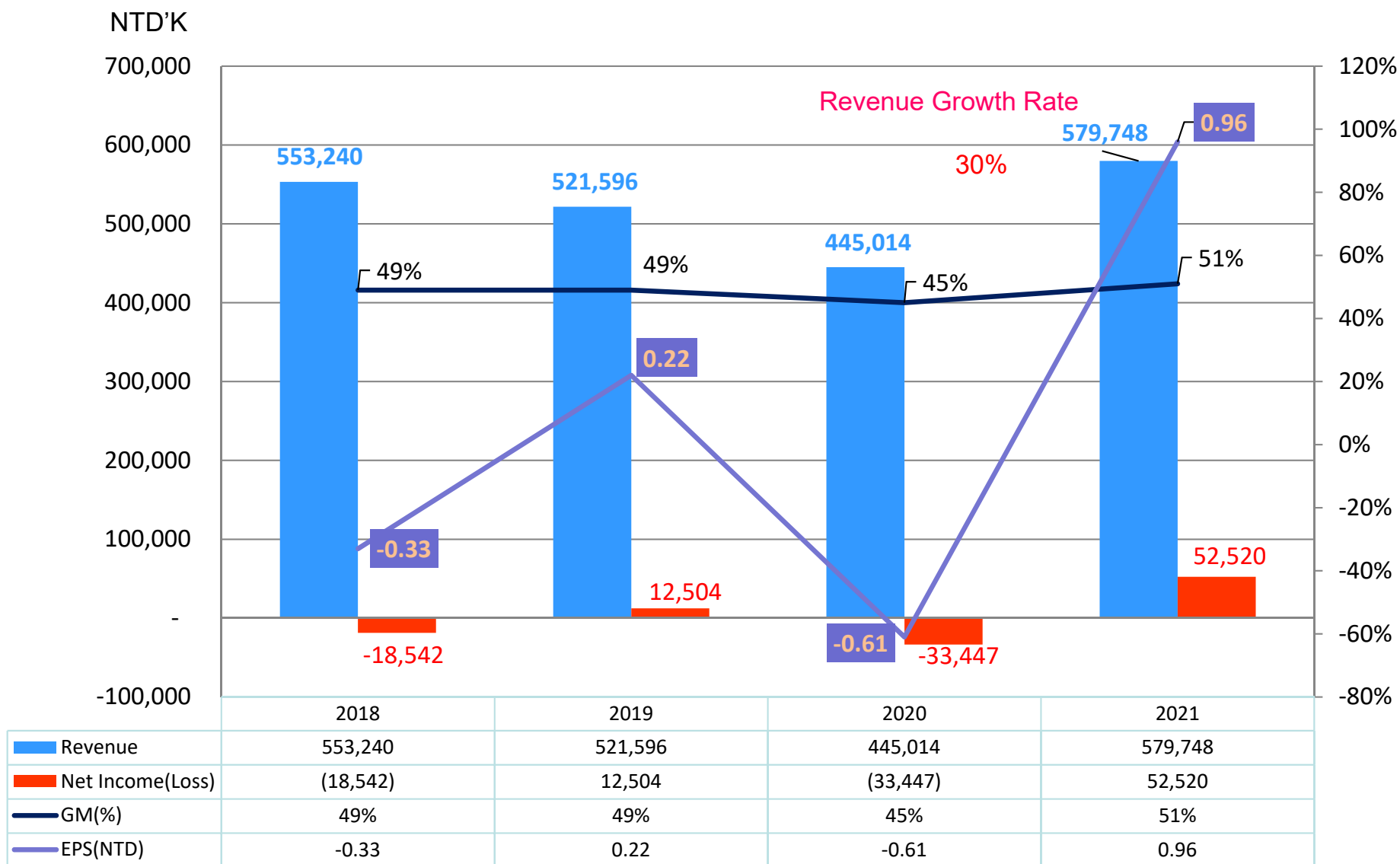
➤ 2022Q1 Operation status
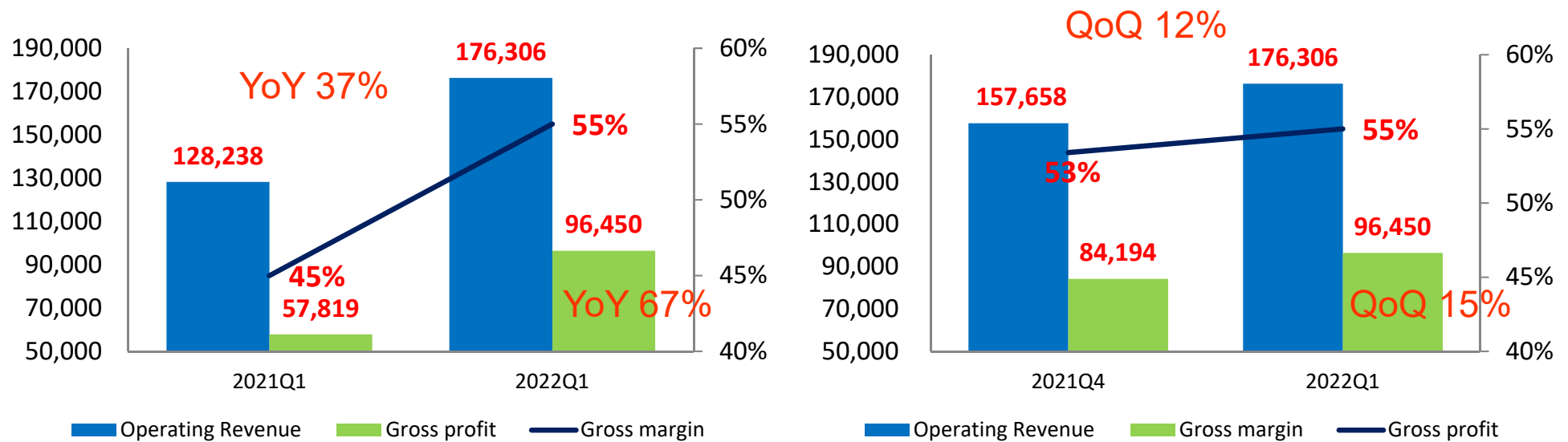
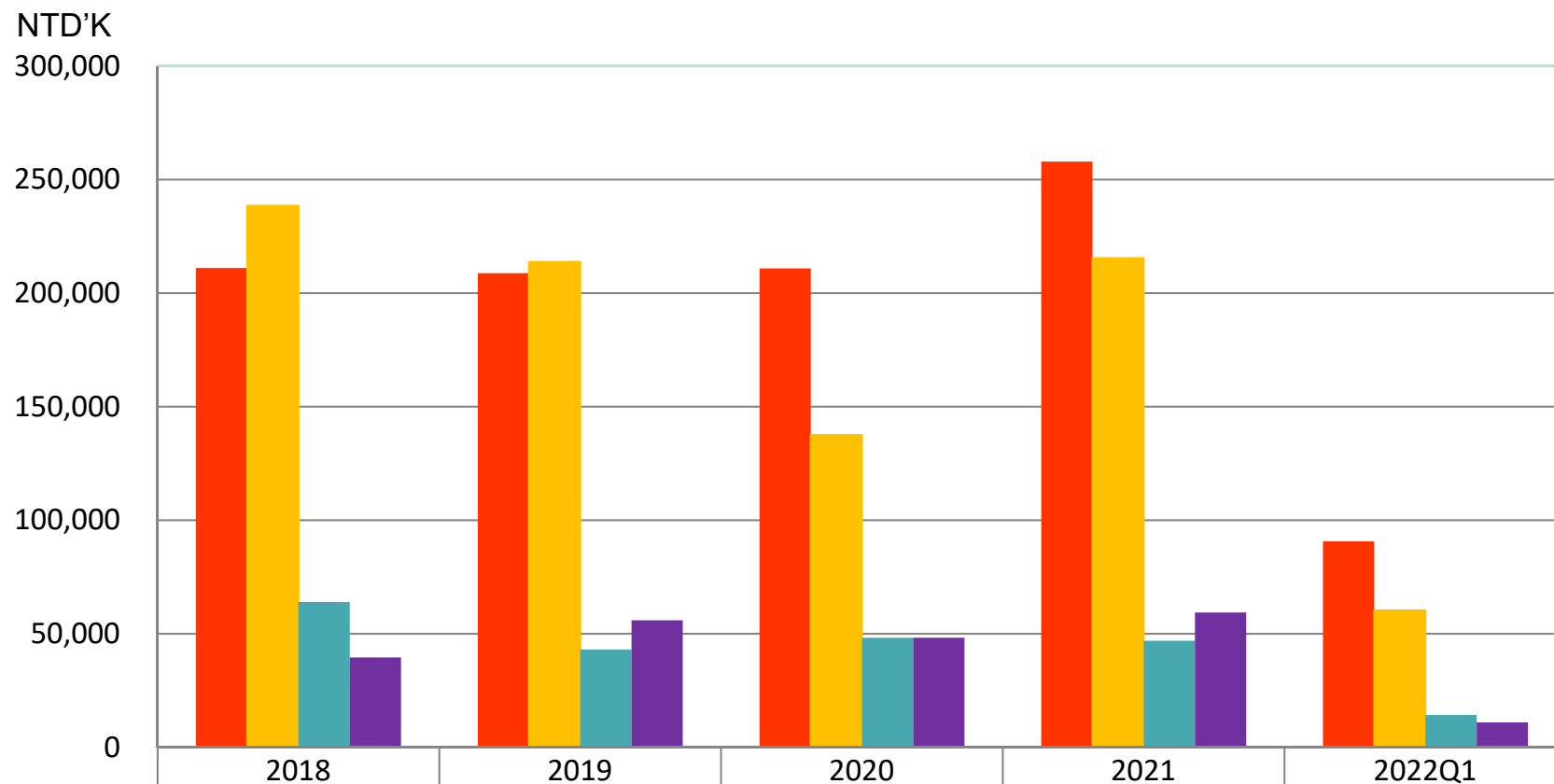| ITEM	2022Q1	2021Q4	2021Q1	2022Q1 over 2021Q1	2022Q1 over 2021Q4
Operating Revenue	176,306	157,658	128,238	37%	12%
Gross profit	96,450	84,194	57,819	67%	15%
Gross margin	55%	53%	45%	--	--
Operation margin	14%	11%	-1%	--	--
Profit Ratio	15%	12%	-1%	--	--
EPS	0.47	0.34	-0.02	Turn loss into gain	38%
ROE	10%	7%	-1%	--	--

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➤ EPS and dividend in 10 years

Payout ratio over 70%

Payout ratio %

year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Payout ratio	86.61%	86.63%	89.31%	78.83%	80.52%	91.46%				89.65%
EPS	2.67	2.68	2.97	1.13	1.38	1.64	-0.33	0.22	-0.61	0.96
Stock dividend			1.00							
Cash dividend	2.31	2.32	1.65	0.89	1.11	1.50				0.86

Cash dividend from capital reserve

	2013	2014	2015	2016
	0.69	0.85	0.11	0.29

unit：NTD

■ Cash dividend   ■ Stock dividend   ■ EPS

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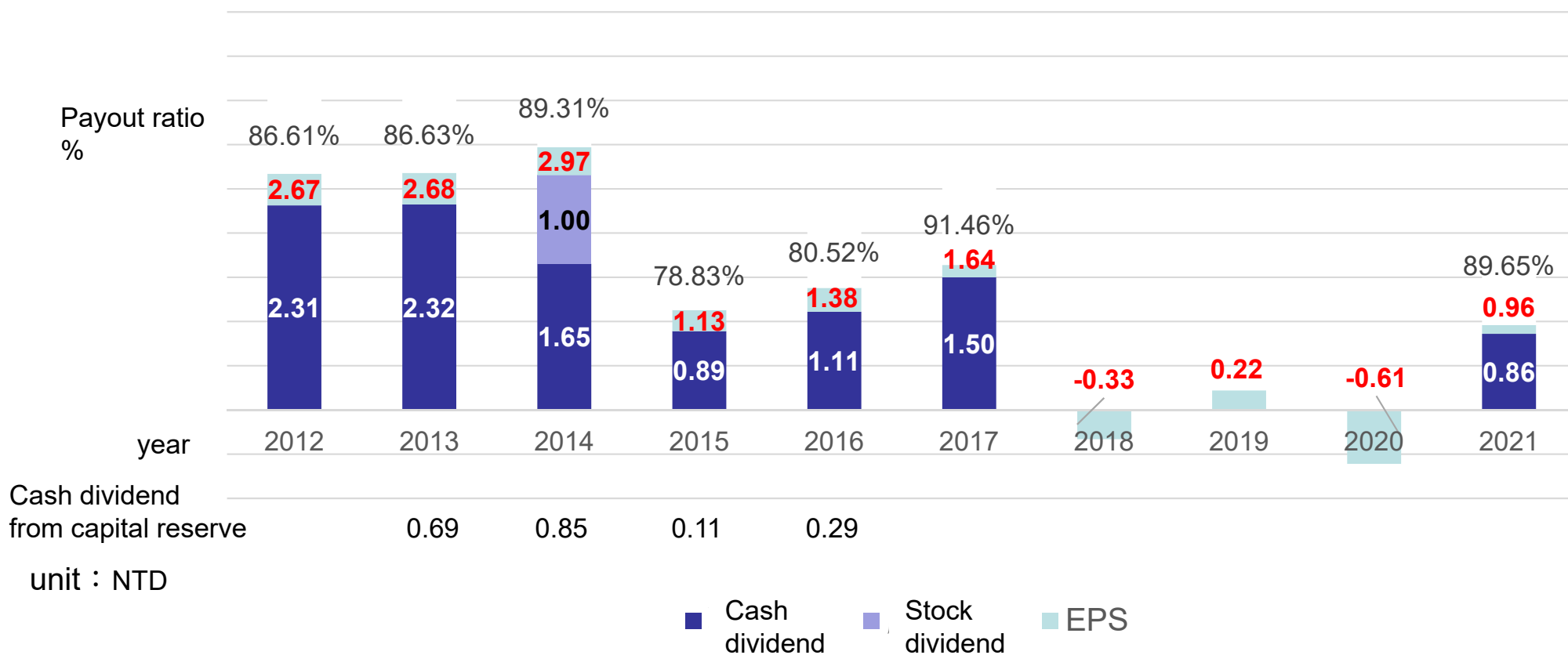
➤Revenue structure analysis

NTD'K

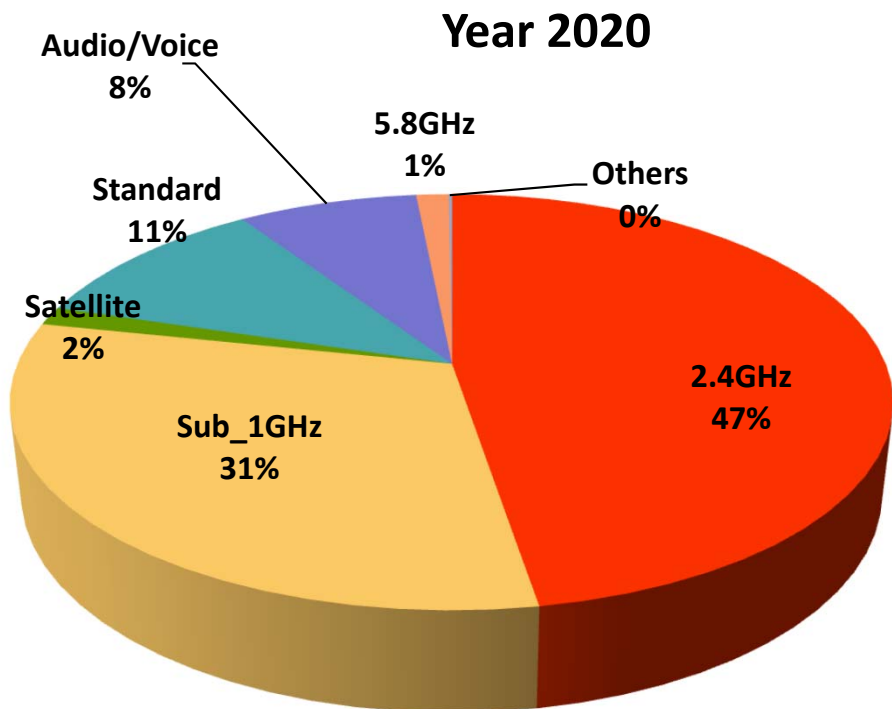|	2018	2019	2020	2021	2022Q1
■ 2.4GHz Product Proprietary	211,051	208,775	210,838	257,904	90,753
■ Sub_1GHz Product	238,468	213,747	137,529	215,432	60,259
■ Standard Product	64,061	43,095	48,332	46,993	14,308
■ Others	39,660	55,979	48,315	59,419	10,986

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➤Product sale distribution

Year 2020

Audio/Voice
8%

5.8GHz
1%

Standard
11%

Others
0%

Satellite
2%

2.4GHz
47%

Sub_1GHz
31%

Year 2021

Audio/Voice
6%

5.8GHz
2%

Others
2%

Standard
8%

Satellite
1%
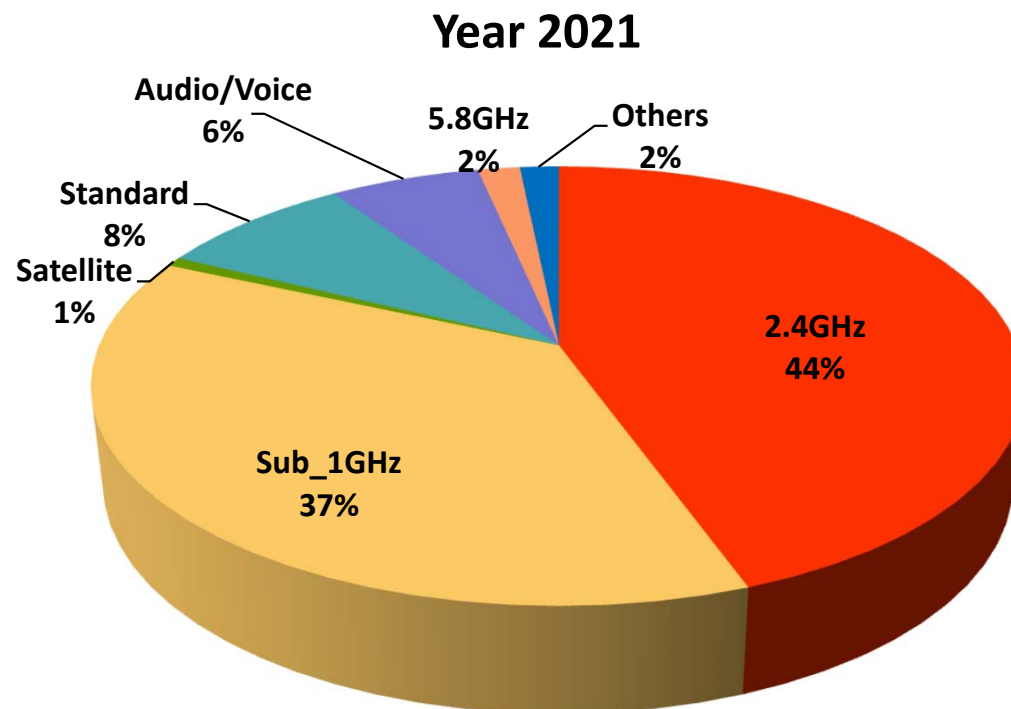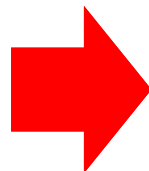
2.4GHz
44%

Sub_1GHz
37%

Product type	2020	2021
2.4GHz	47%	44%
Sub-1GHz	31%	37%
Standard	11%	8%
Others (Audio + 5.8GHz)	11%	11%

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2022Q1 product sale distribution
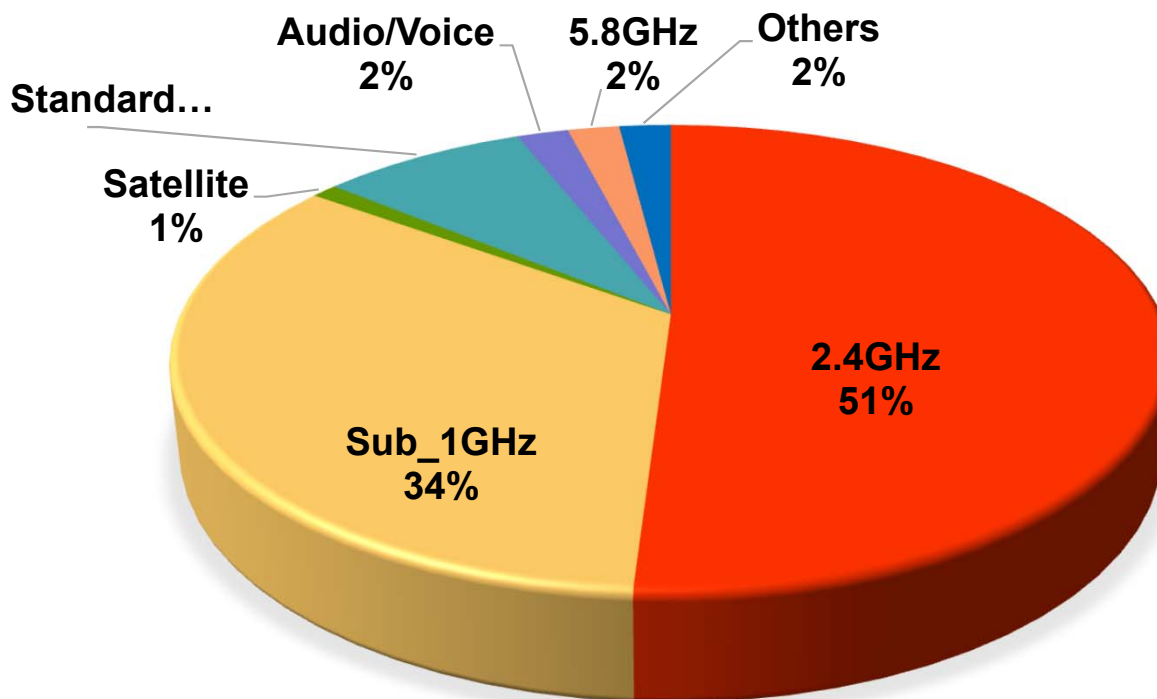
Product type	2022Q1
2.4GHz	51%
Sub-1GHz	34%
Standard	8%
Others (Audio + 5.8GHz)	7%

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Product sale region distribution

Year 2020

Year 2021

EURO
1%

KOREA
2%

SINGAPORE
4%

TAIWAN
35%

HONG KONG
51%

CHINA
7%

KOREA
2%

EURO
2%

SINGAPORE
5%

TAIWAN
31%

HONG KONG
54%
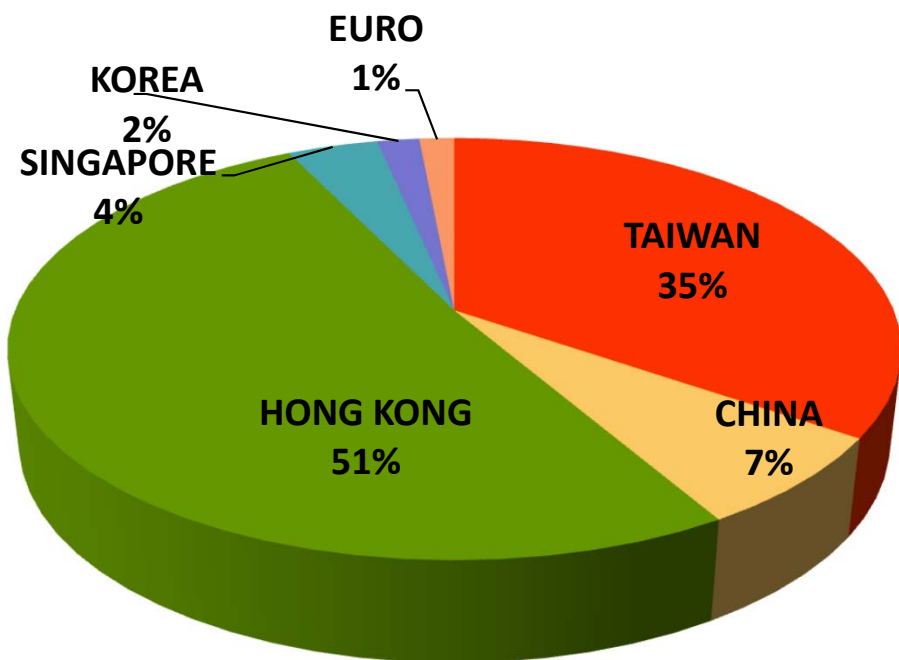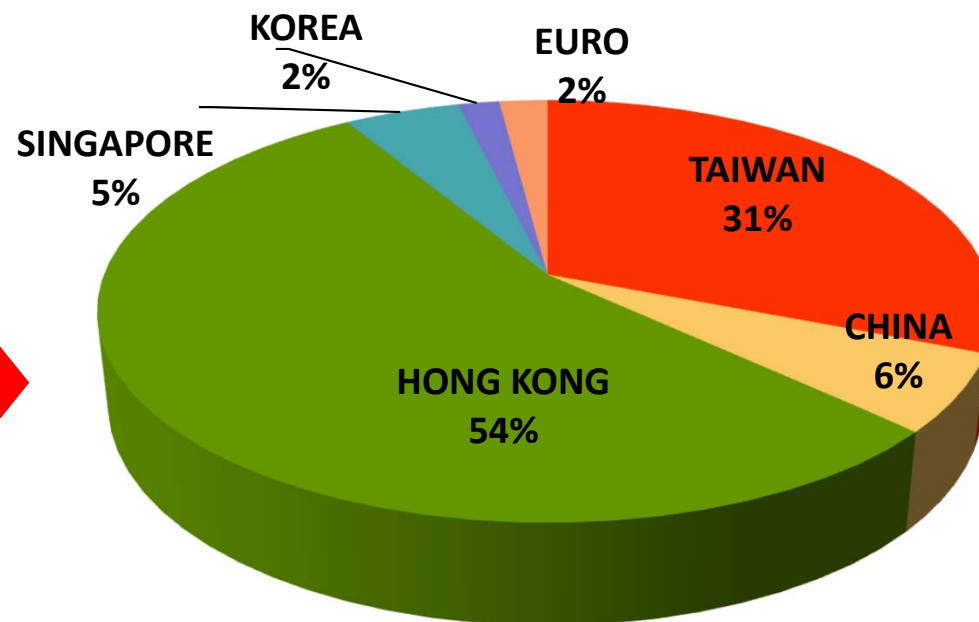
CHINA
6%

Region	2020	2021
Taiwan	35%	31%
HK/China	58%	60%
Korea/EURO/Singapore	7%	9%

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> # 2022Q1 Product sale region distribution
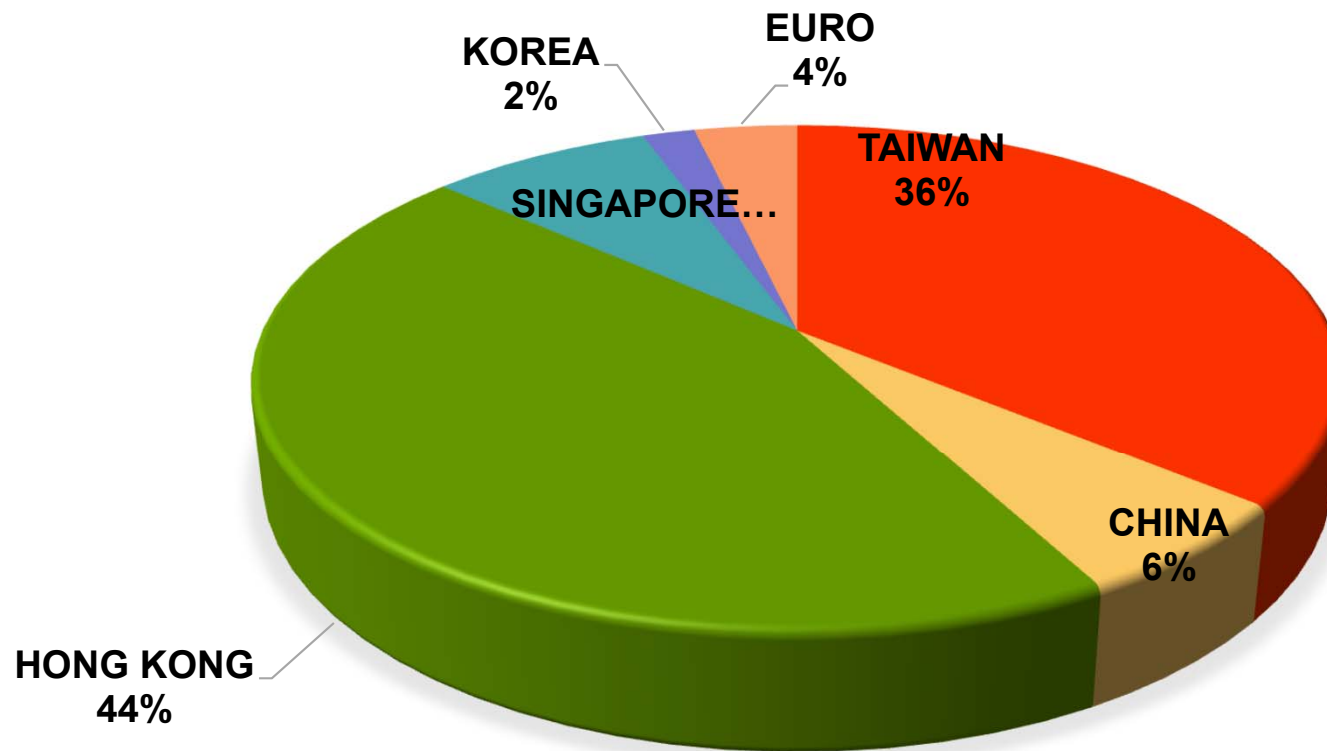
| Region	2022Q1
Taiwan	36%
HK/China	50%
Korea/EURO/Singapore	14%

Industrial trends

Sub_1GHz/2.4GHz market

2020~2030 IOT application market size (source: McKinsey Global institute, Nov. 2021)

Estimated 2030 economic value of Internet of Things adoption, by setting, $ billion

Vehicle 430–620		Office 240–500	
Retail environment 650–1,150	Outside 400–930		Home 440–830
City 970–1,700			
Human health 550–1,770	Work site 400–1,730		
Factory 1,430–3,320			

Total

Bar segments show low-range (dark) and high-range (light) estimates

5,500–12,600

2,800–6,300

740–1,600

2020   2025   2030
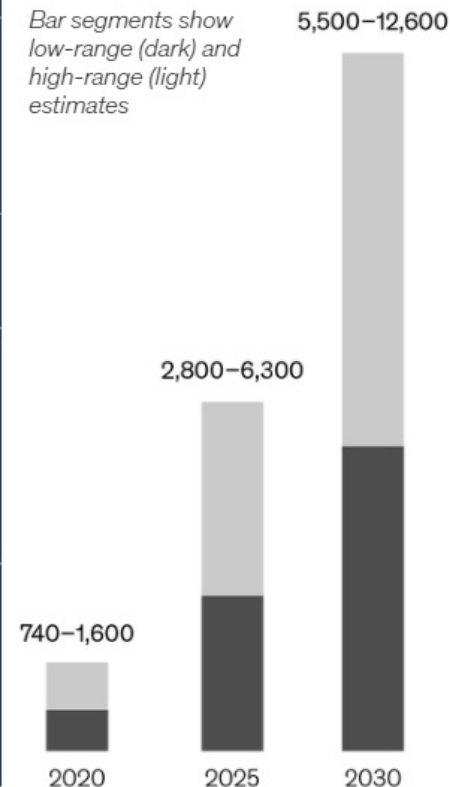
2020 ~2030
CAGR ~23%

Note: Segment sizes based on high-end estimates. Figures may not sum to listed totals, because of rounding.

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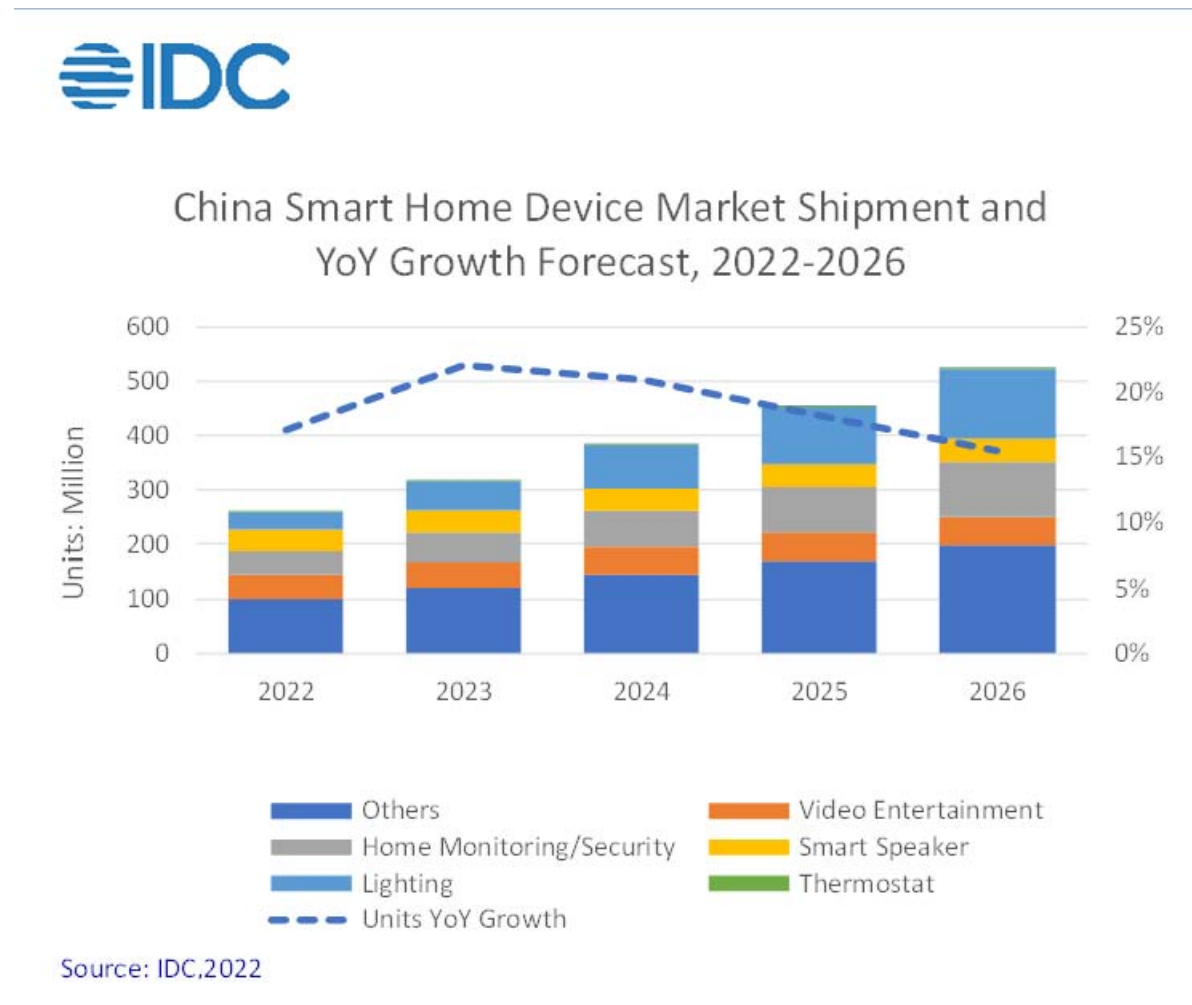# Sub_1GHz/2.4GHz market

2016 ~2021 China smart home market size -- CAGR16%
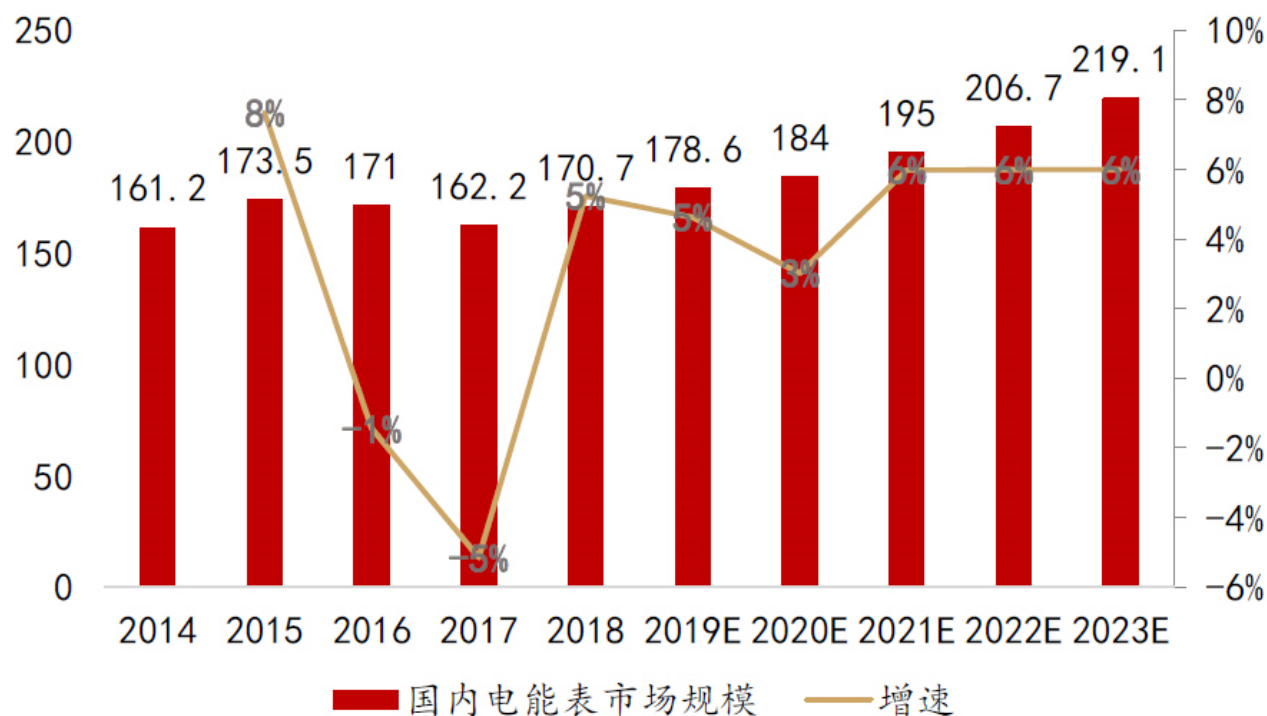

Source: CSHIA、中商产业研究院整理

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Sub_1GHz/2.4GHz market

Source: IDC《 China Quarterly Smart Home Device Tracker - Product Segment，2021Q4》

China Smart Home Device Market Shipment and YoY Growth Forecast, 2022-2026

Source: IDC,2022

Sub_1GHz

2014~2023 China smart electric meter market size

我国2014-2023年智能电表行业规模及增速（亿元）

2018~2023
Year growth 5~6%

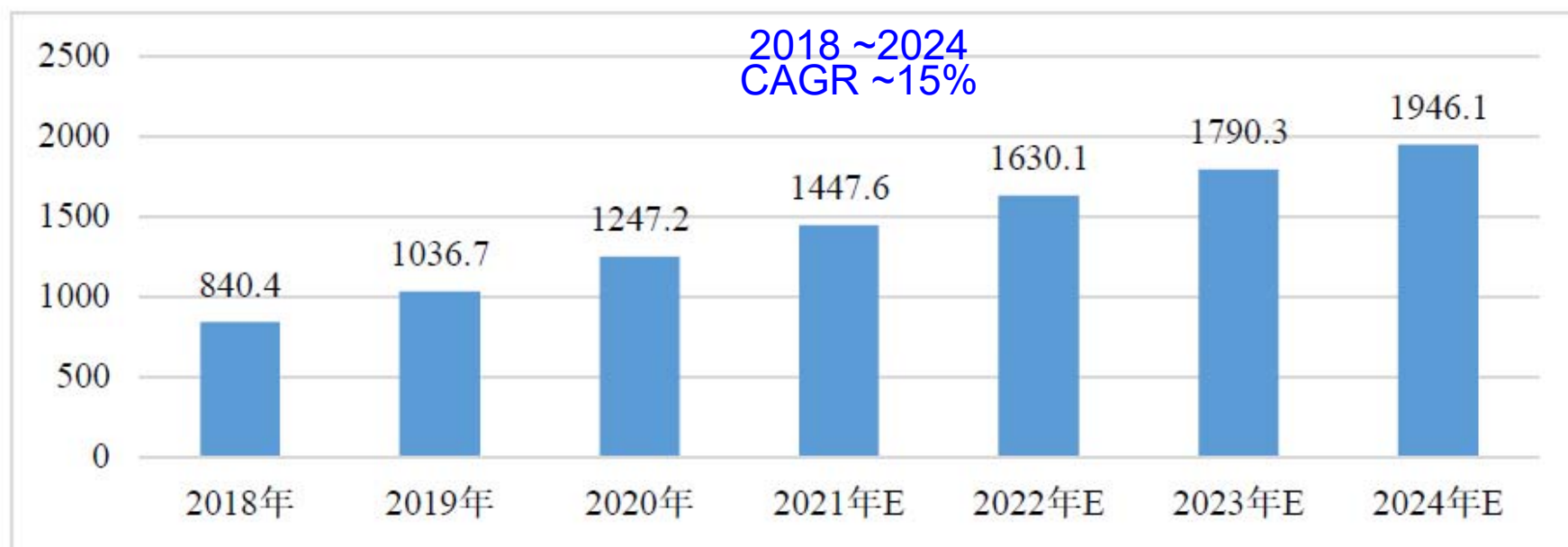图例：国内电能表市场规模　—— 增速

Sub_1GHz

2017~2021 China smart water meter market size

	2017年	2018年	2019年	2020年	2021年E
产能：万台	2331	2714	3115	3477	3805
增速：%	17.25%	16.43%	14.77%	11.62%	9.43%
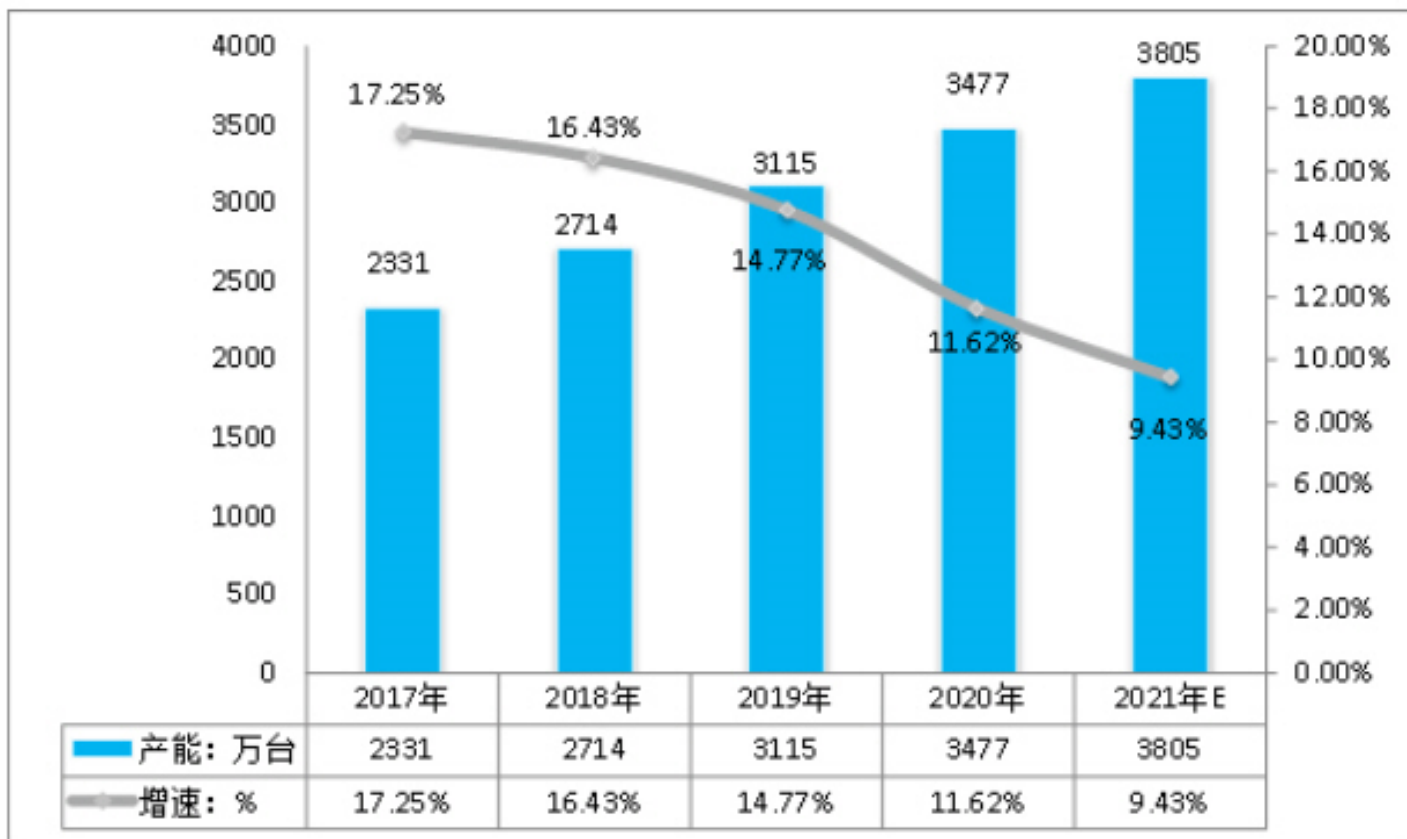
2017-2021中国智能水表行业产能及增速对比

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Sub-1GHz/2.4GHz China RFID

2018~2024 China RFID market size (unit 0.1billin)

2018 ~2024
CAGR ~15%

Sub_1GHz

2020~2030 Wi-SUN global market size
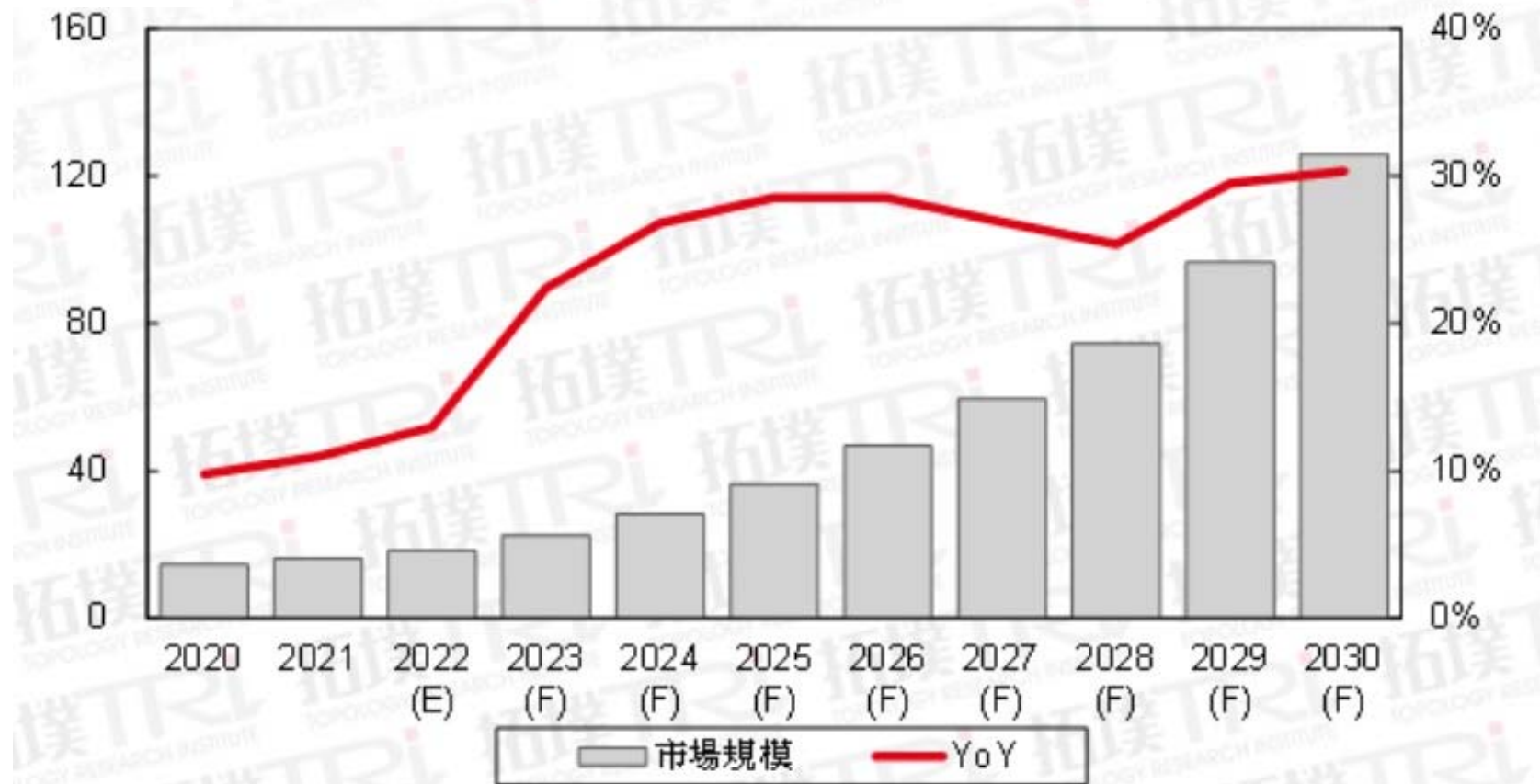
Source：拓墣產業研究院，2022/04

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2.4GHz ESL

2020~2027 Global ESL market size

Electronic Shelf Label (ESL) Market

Global Market Insights

2020: >$1 BN

2027: >$2 BN

CAGR (2021-27): >10%

NFC technology CAGR (2021-27):	German industrial application CAGR (2021-27):	Segmented e-paper ESL market CAGR (2021-27):
>10%	>12%	>9%

Regional Analysis

1 Europe	2 APAC
CAGR (2021-27): >9%	Market Share (2020): >30%

Market Size in 2020:	USD 1.0billion
Forecast Period:	2021 to 2027
Forecast Period 2021 to 2027 CAGR:	10%
2027 Value Projection:	USD 2.0 billion
Historical Data for:	2017 to 2020

Source：www.gminsight.com

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BLE Single-Mode Market

Bluetooth® Enabled Device Shipments by Radio Version

NUMBERS IN BILLIONS

TODAY

BLE devices increase x2 in five years

Legend: Classic | Classic + LE | LE
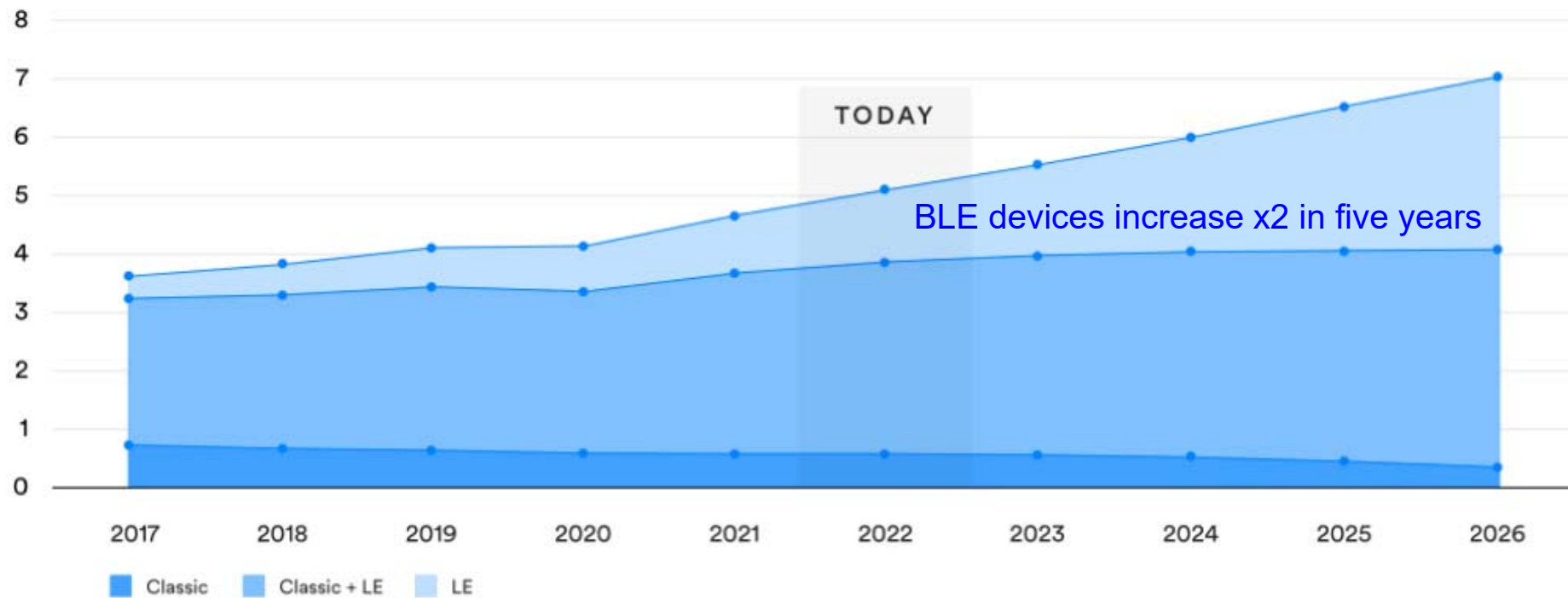
Source：BT SIG/ABI Research 2022

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Product Strategy

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Main product line

2.4GHz

- KB/MS/Gaming • ESL
- Toy/Remote controller

Sub_1GHz

- AMR • ETC • Smart Home
- Car alarm

5.8GHz

- Remote controller
- Audio/Video

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Audio

- Audio/Video
- Gaming Headset

Bluetooth LE

- Smart Home
- Fitness band
- Health/Medical

- LNB
- Switching box

Satellite

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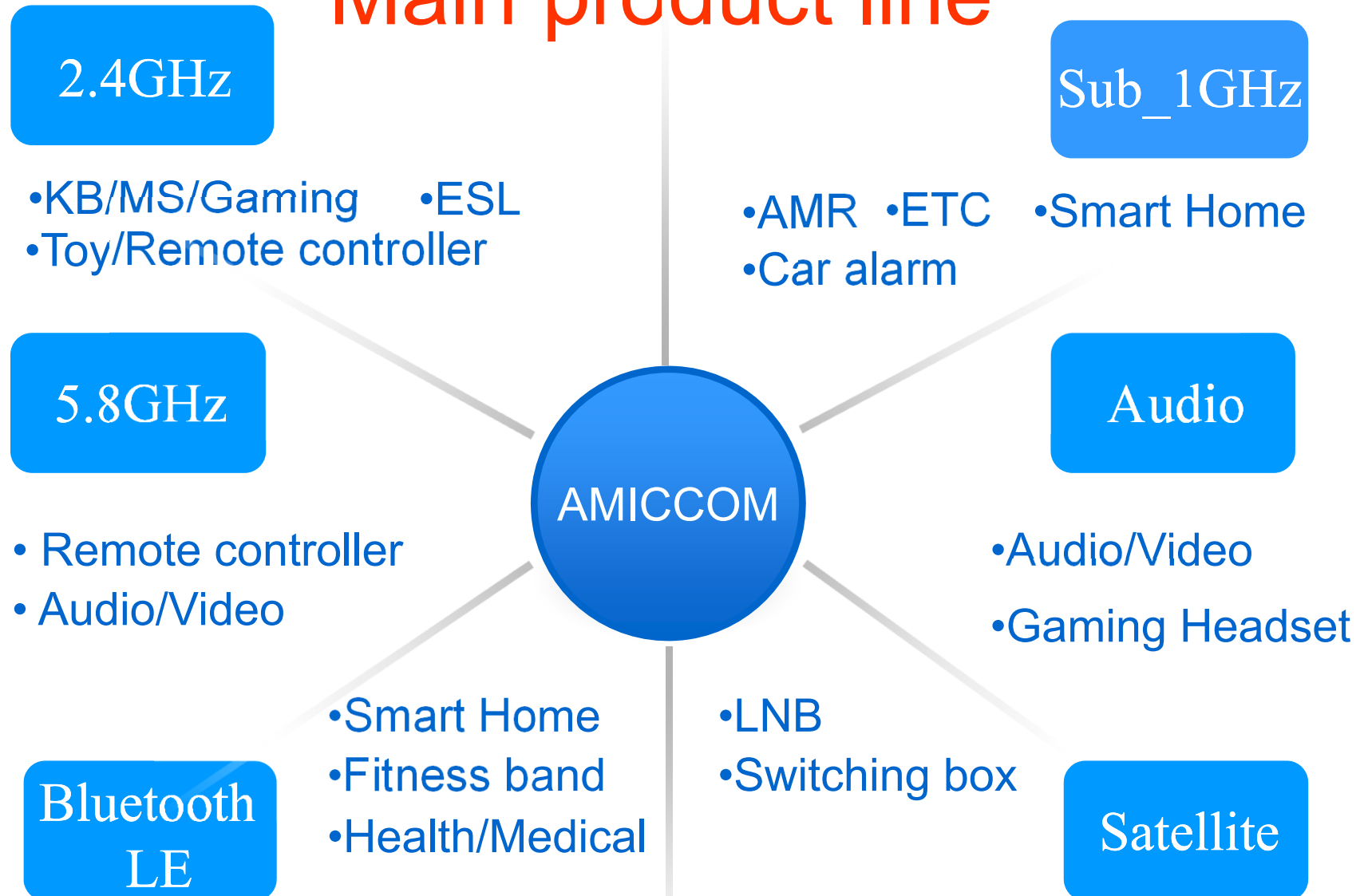
Product application(2.4GHz)

Game Controller

Keyboard & Mouse

Wireless Earphone

Rock Band

RFID card
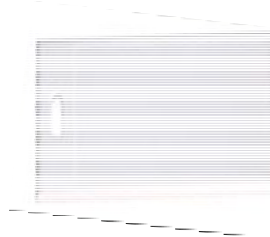
Helicopter

iRobot

Baby Monitor

Digital Video Baby Monitors

ESL

Product application(Sub-1GHz)

AMR

Smart Home Switch

Smart City

Heater Controller

Wireless temperature controller

Wireless smoke detection

Car Security & Remote control

Wireless door bell

Home security

Weather station

Smart Home Curtain control

RC car

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Product application(Bluetooth LE/Zigbee)

Keyboard & Mouse

BLE Smart Lock

BLE Finder / Tracker

BLE Selfie Stick

BEL Weight scale

BLE Fitness band

BLE Herat beat belt

BLE Smart toilet

BLE sphygmoma nometer

BLE blood glucose meter

BLE Thermometer

RF4CE Remote Controller

Product application(Wireless Audio)

Wireless MIC

Wireless Headset

Wireless Speakers

Wireless Audio Guide

Wireless Earphone

Product application(5.8GHz)

Unmanned Aerial Vehicle

Wireless Headset
(5.8GHz)

Wireless Audio

Digital Wireless
Microphone
System
(5.8GHz)

ETC
(5.8GHz)

Product application(Satellite)

Low Noise Block
downconverter(LNB)

Twin LNB

Quad LNB

Octo LNB

2022 New Product

RF SOC with ARM Cortex-M4

Audio

- A8112M4
- 2.4GHz Wireless Audio SOC
- 512KB Flash, 80KB SRAM
- Low latency for niche application

Bluetooth LE

- A3127M4
- 2.4GHz Low power Bluetooth LE SOC
- 512KB Flash, 80KB SRAM
- BLE 5.1 AOA/AOD for direction finding

Sub_1GHz

- A9136M4
- 169/315/433/510/868/915MHz narrowband RF SOC
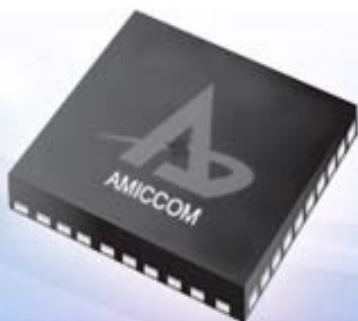- 512KB Flash, 80KB SRAM
- IEEE 802.15.4g compliant

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➢ **AMICCOM Electronics Corporation public information**

◆ Web site -- http：//www.amiccom.com.tw

◆ Click「investor Relations」and investor can access the following public information:

✓ Financials

✓ Shareholder Services

✓ Stock information

✓ Corporate Governance

◆ Also can visit MOPS website (mops.twse.com.tw) to brow the related public information of AMICOM with company code「5272」

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Thank You !

Q & A

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