# RichWave

# **Bridge Everything with Connectivity**

2022 Q1

# **COMPANY OVERVIEW**

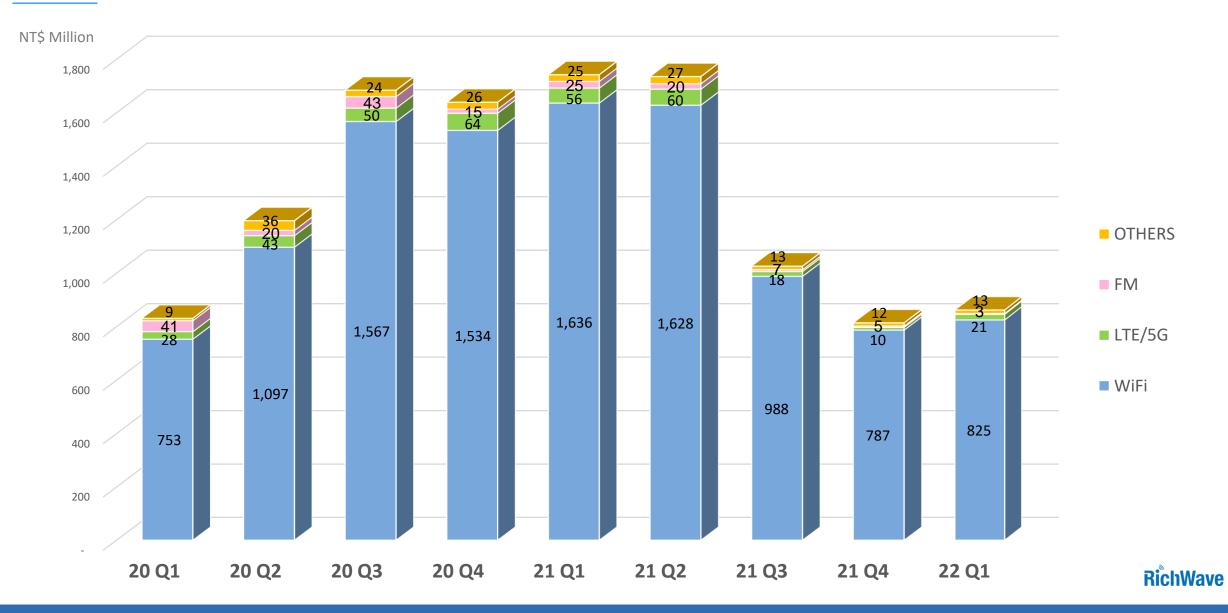


# **Business Direction & Strategy**





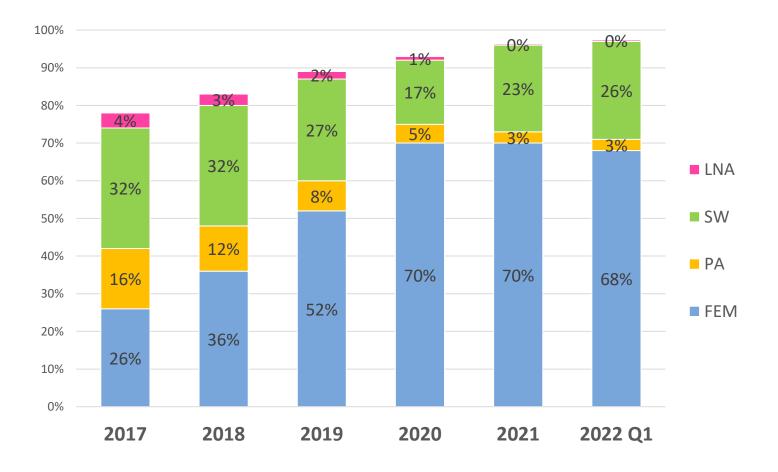
# **Revenue-by Segment**



# Win in High Performance FEM and 3<sup>rd</sup> Parties' Platform

Growing position in High Performance FEM market

Complete WiFi Platform Reference Design



BROADCOM<sup>®</sup> Synaptics<sup>\*</sup> Qualcom REALTEK MEDIATEK Quantenna



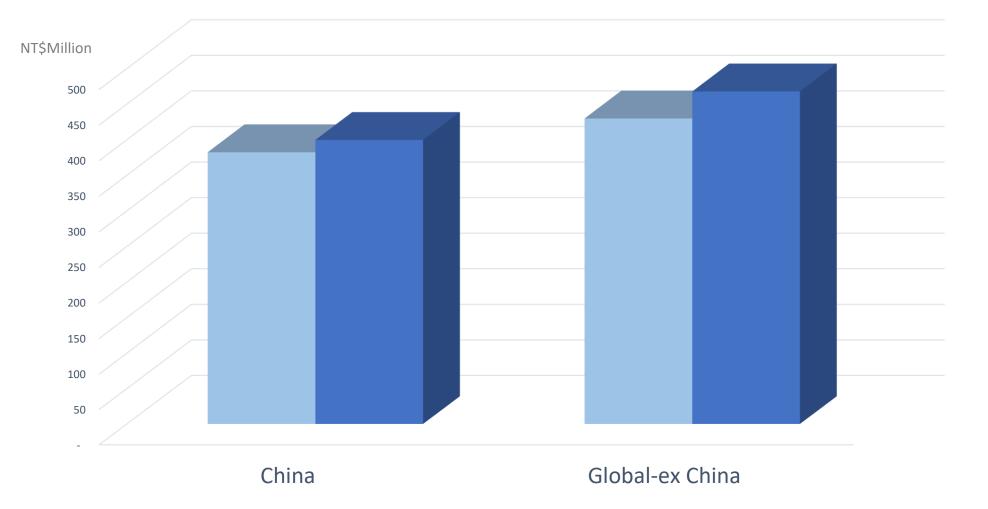
#### Wi-Fi Revenue-by Standard

■ 2021 Q4 ■ 2022 Q1



# **WiFi Revenue-by Region**

■ 2021 Q4 ■ 2022 Q1





# Business Wins – Wi-Fi

- Growing Wi-Fi6 demand
- Wi-Fi6E shipment continues

Wi-Fi Product							
Product	Application	Market					
PA, LNA, Switch, full FEM, Rx-FEM, Filter	AP Router, PON/GPON, Gaming, Mobile Phone, Gateway, STB/ OTT	Carrier Retail					

- Increasing Wi-Fi6/6E design-win projects with customers
- Filter shipment began





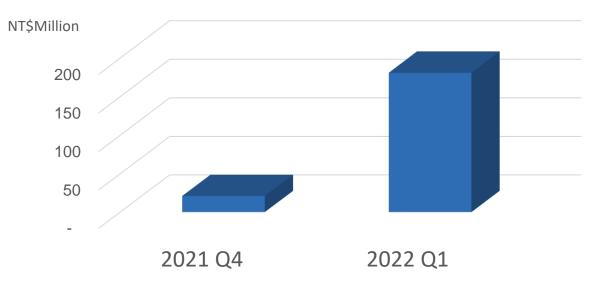
# **Business Wins – Smartphone**

- Wi-Fi5 FEM cost effective solution
- Smartphone Wi-Fi6 FEM begins shipping
- Sales increases with new customers

Mobile Product							
WiFi	4G/5G	FM	Filter				
Rx-FEM Full-FEM Switch	LNA, SW, Antenna Swapping Switch, Antenna Tuner, FEM, Filter, DPX	Broadcasting FM Tuner	GPS/WiFi SAW filter, Cellular Tx/Rx SAW filter,				



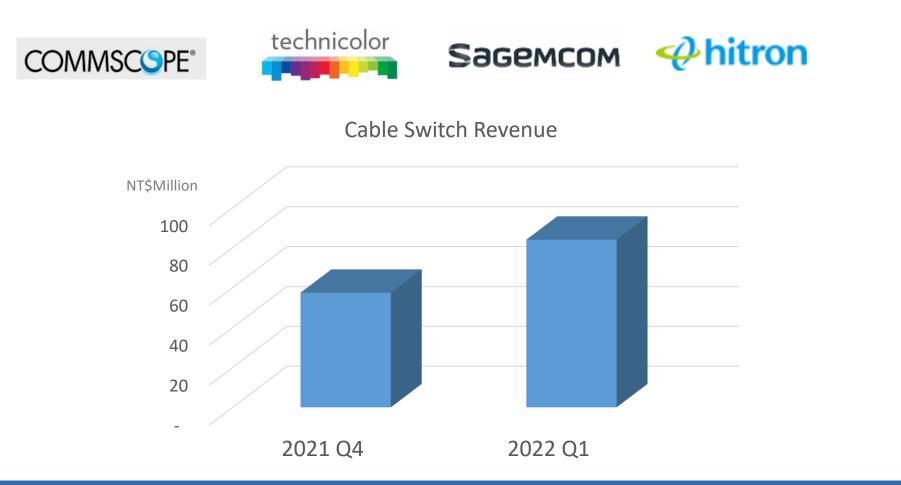
Mobile WiFi FEM Revenue





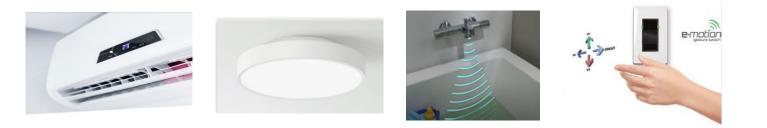
#### **Cable Switch**

- Continue to win cable/DOCSIS switches in cable modems with US/EU operators.
- Cable switch market share increases.

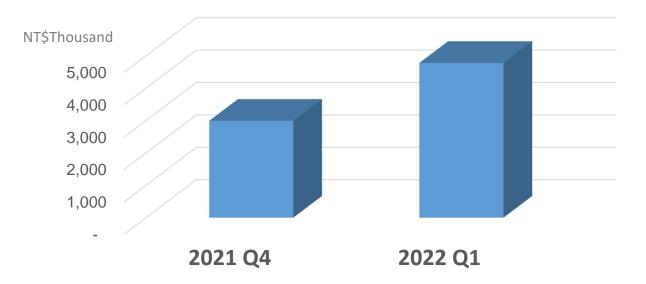


#### **Radar Sensor**

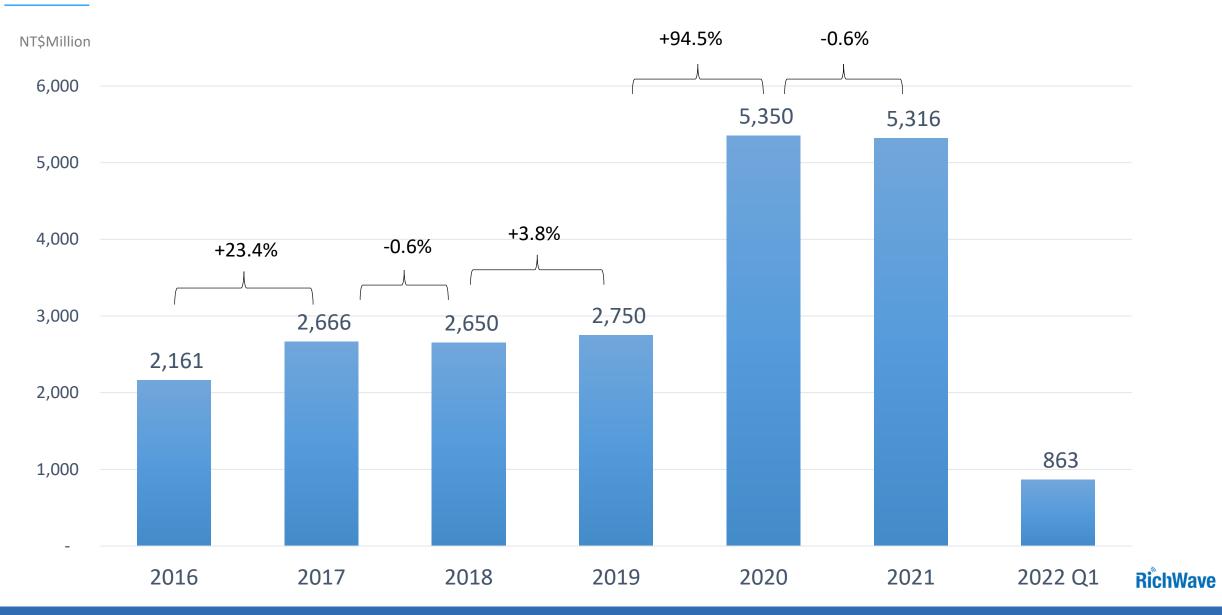
- Shipment for 5.8GHz radar sensor used in smart lighting continues
- 10GHz radar sensor design-wins with global customers and begins shipping



Radar Sensor Revenue

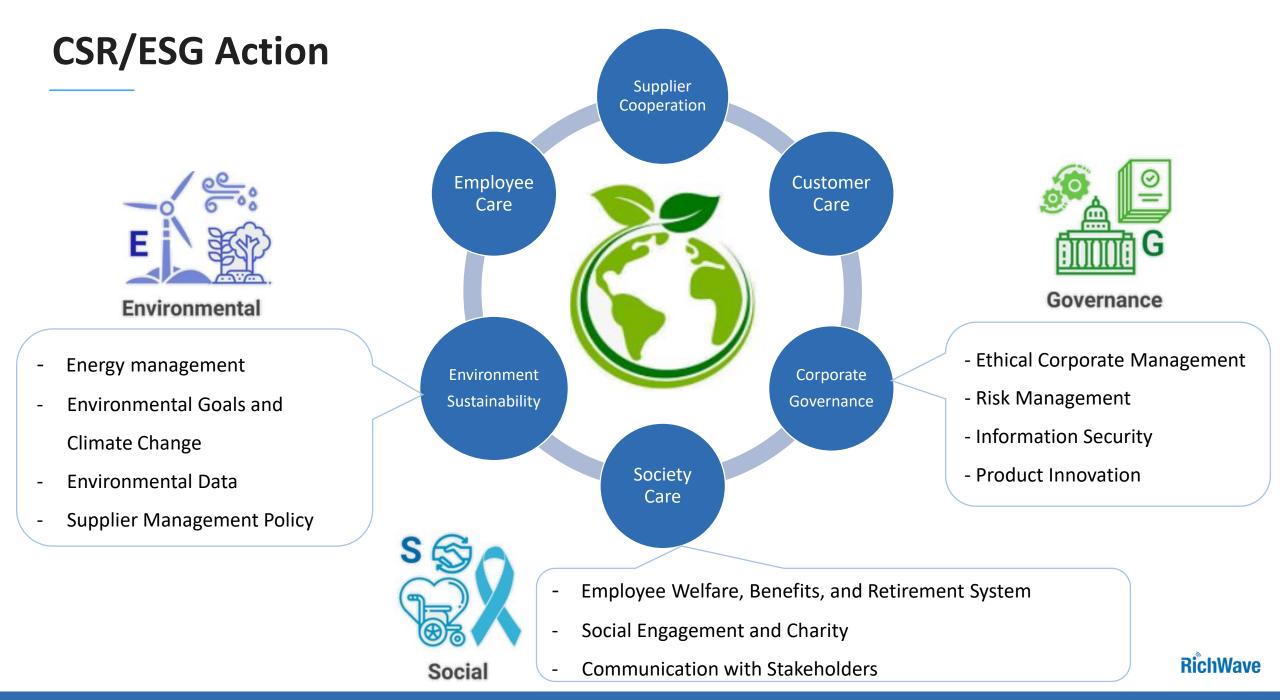


#### 2016-2022 Q1 Sales



#### 2016-2022 Q1 P&L

	2017	,	2018	}	2019	)	2020	)	2021		2022 Q1	
NT\$ Thousand	金額	%	金額	%	金額	%	金額	%	金額	%	金額	%
Net Revenue	2,666,091	100%	2,650,169	100%	2,749,555	100%	5,350,200	100%	5,316,267	100%	862,691	100%
Operating Cost	1,756,985	66%	1,785,052	67%	1,764,877	64%	3,451,573	65%	3,770,235	71%	643,379	75%
Gross Profit	909,106	34%	865,117	33%	984,678	36%	1,898,627	35%	1,546,032	29%	219,312	25%
Operating Expense	637,924	24%	663,948	25%	741,444	27%	890,675	17%	1,012,424	19%	249,303	29%
Operating Profit	271,182	10%	201,169	8%	243,234	9%	1,007,952	19%	533,608	10%	-29,991	-3%
Non-Operating income/expense	-109,056	-4%	12,934	0%	511	0%	9,155	0%	-6,702	0%	31,984	4%
Profit before Tax	162,126	6%	214,103	8%	243,745	9%	1,017,107	19%	526,906	10%	1,993	0%
Income Tax Expense	19,964	1%	36,918	1%	53,008	2%	150,891	3%	61,389	1%	1,138	0%
Net Profit	142,162	5.3%	177,185	6.7%	190,737	6.9%	866,216	16.2%	465,517	8.8%	3,131	0.4%
EPS	2.35		2.93		3.13		9.90		5.26		0.04	





# Thank you

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