

WIN Semiconductors Company Presentation

Aug - Oct 2020



Safe Harbor Notice



- This presentation contains certain forward-looking statements that are based on current expectations and are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements.
- Except as required by law, we undertake no obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise.

Outline



- Market Outlook
- **Technologies**
- **►** The WIN Strategy
- > Financial Review & Guidance
- **> Q&A**



MARKET OUTLOOK

Business Growth Drivers









Infrastructure



Optical Devices

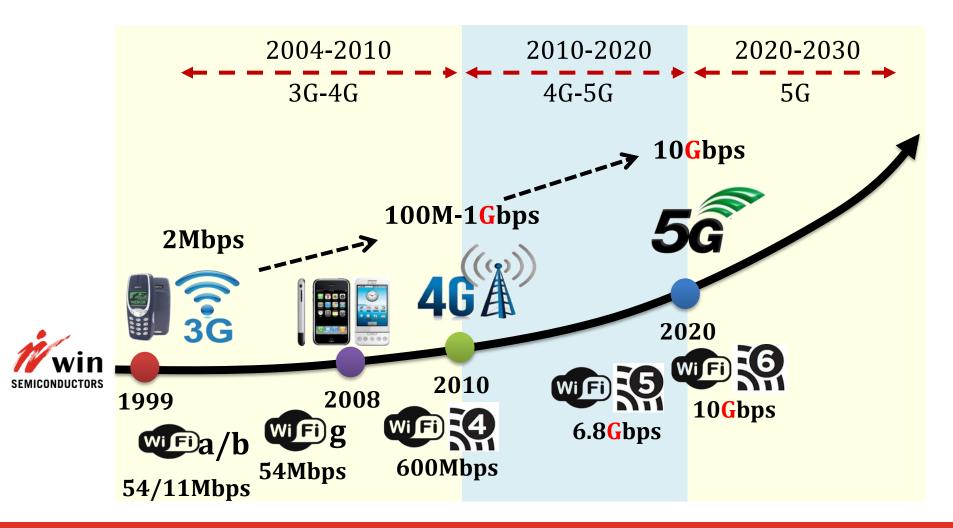


Performance



Ultra-High Speed is required in wireless communication.

It is the advantage of compound semiconductors.





Y2019-20

Y2021-25

Implement Phase

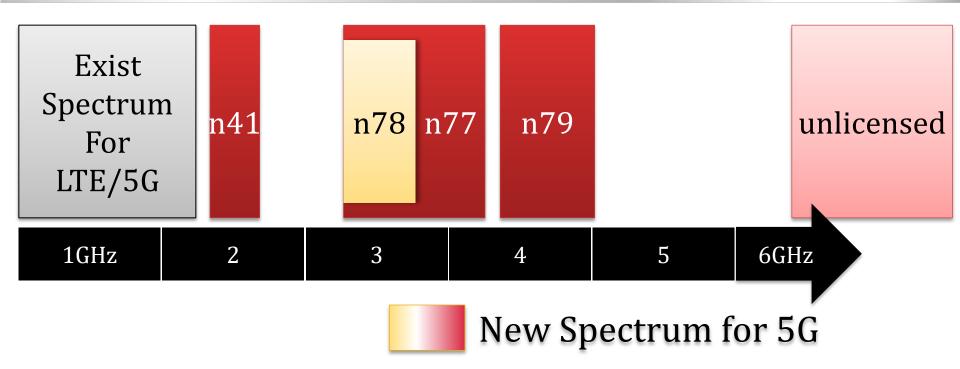
Demand Rapid Growth

	Mobile Device	Infrastructure/CPE
Sub-6GHz	• GaAs HBT	• GaN HEMT • GaAs pHEMT
mmWave	 Integrated compound semi technologies 	• GaN HEMT • GaAs pHEMT

- 5G sub-6GHz (<6GHz) spectrum bands for ubiquitous network coverage
- 5G mmWave (~30GHz) likely for fixed wireless access as a start followed by extreme mobile broadband in the longer term

5G Sub-6GHz Freq. Spectrum





- (1) New frequency bands for 5G
- (2) MIMO: n41, n77, n78, and n79
- (3) Additional 5G PA (Refarm existing 4G Frequency band)

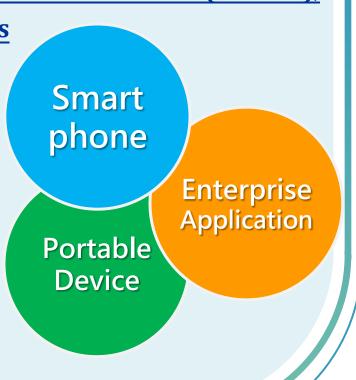




Wi-Fi 6 has been arriving and Wi-Fi 7 is developing

- Wi-Fi will be upgraded from 802.11ac to 802.11ax (Wi-Fi 6), from flagship to mid-range phones
 - Faster throughput
 - Higher network efficiency
 - Better in dense environments

- 802.11be (Wi-Fi 7)
 - Extreme high throughput
 - Extend to 6GHz frequency band



Infrastructure

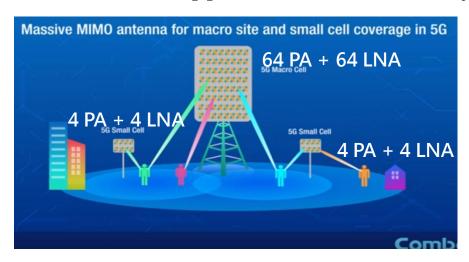


RF Device Inside Macro & Small Cell Sector

- The high performance of compound semiconductors is the better choice for PA and LNA on 5G base-station.
- More than 100M transceivers in 2020.

Satellite Communication Era is Coming

- More than 6,500 small satellites (<500kg) in orbit by 2027.
- Comms. application will be the key growth engine for satellite.



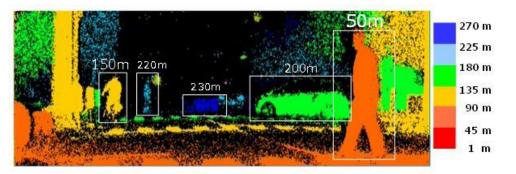


Optical for 3D Sensing



- Structure-Light demand keep very strong
- ToF for 3D sensing applications will keep growth
 - Production was started since 2H2019
 - Multiple customers use ToF for both front and world facing applications

Autonomous



World Facing AR



Gesture Recognition



Optical Communication



Optical Devices

- Data center interconnect, or metro/long-haul coherent transmission
- Proximity/Light sensor





 More and more customers engagement and will enter production stage soon

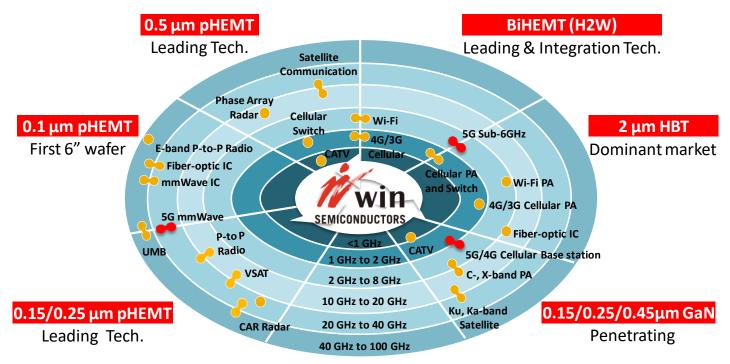


TECHNOLOGIES

Broad Portfolio of Advanced Technologies



The most comprehensive technology portfolio in industry enables customers to develop optimized products for a wide range of applications



- Dominant market share for high-performance HBT used in LTE PAs
- Leading BiHEMT technology for advanced integrated FEM
- First and only foundry worldwide to commercially develop 0.1μm pHEMT on 6" GaAs wafer

- Industry leading 0.15-0.25μm pHEMT technology
- Supports broad range of products such as PAs (from 50MHz-100GHz), switches, and fiberoptic IC
- Developing GaN for high power devices (4/5G base station)

4/5G Infrastructure - WIN Inside!



Ultra high frequency semiconductor technology provider!

- Wireless infrastructure
- Satellite communications
- Fiberoptic communication
- > ADAS





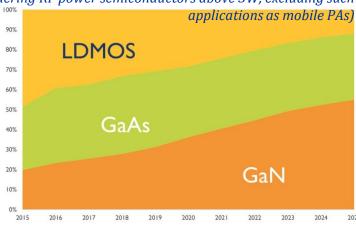




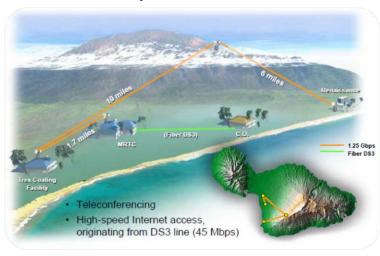


RF power device market, in value - breakdown by technology

(Only considering RF power semiconductors above 3W, excluding such



Source: Yole Dévelopement



The WIN Strategy



Invest in capacity to capture demand growth and improve margins through product remix

Scale & Technology
Leadership

Cost & Customer
Diversification

Invest in technologies to maintain competitive edge and sustain leadership

Leverage on technology and manufacture expertise to lift efficiency and drive cost down

Grow and acquire new customers in existing and new markets to diversify customer base

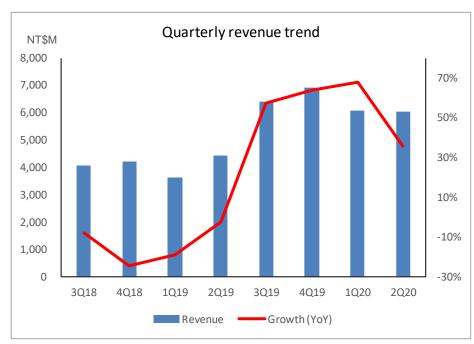


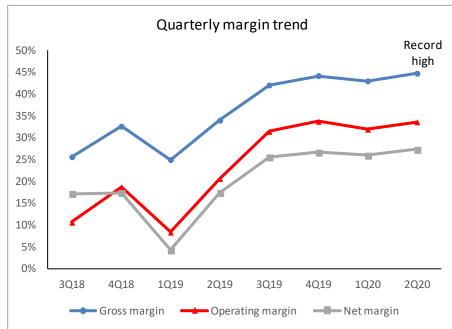
FINANCIAL REVIEW & GUIDANCE

Revenue & Margin Trend



- 2Q20 revenue was NT\$6,048m, down 0.4% QoQ but up 36% YoY.
- In 2Q20, as the capacity utilization rate remain high and the product mix was better than last quarter, gross margin increased by 1.8pp sequentially to 44.8%, and operating margin increased by 1.7pp sequentially to 33.6%.



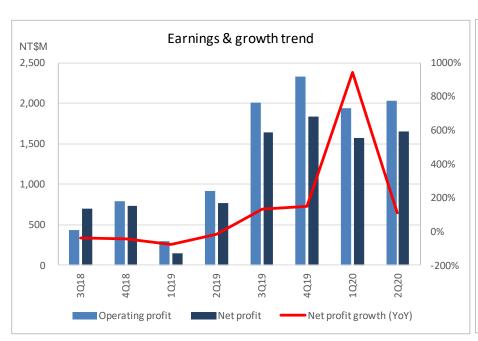


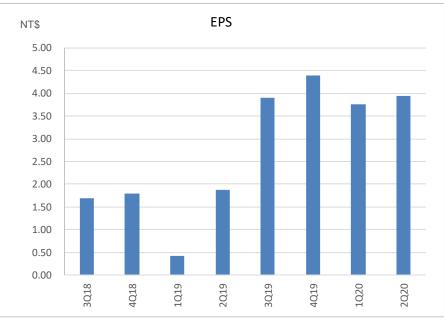
Source: company.

Earnings Trend



In 2Q20, net profit was NT\$1,651m, up 5% QoQ and 113% YoY. EPS came in at NT\$3.94, compares to NT\$3.76 in 1Q20.



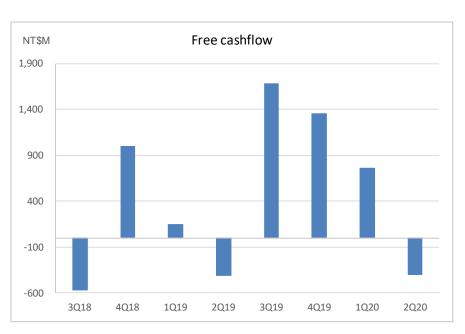


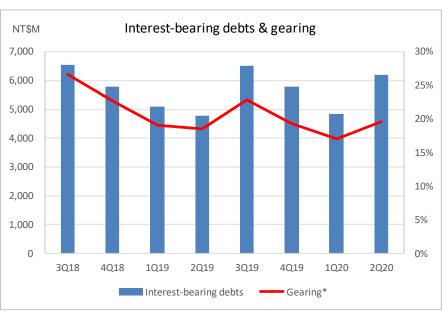
Source: company.

FCF & Gearing Trend



- In 2Q20, given continued increase in capex, we generated net outflow of free cash flow in the quarter.
- In 2Q20, interest-bearing debts and gearing ratio both increased sequentially, but our financial structure remained healthy.

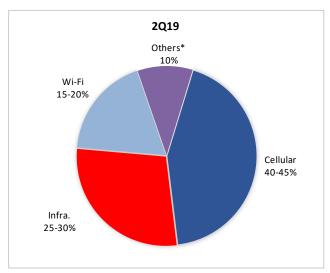


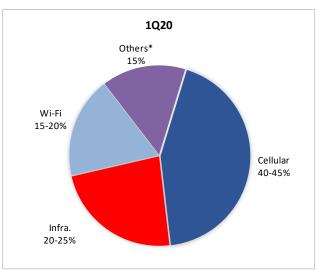


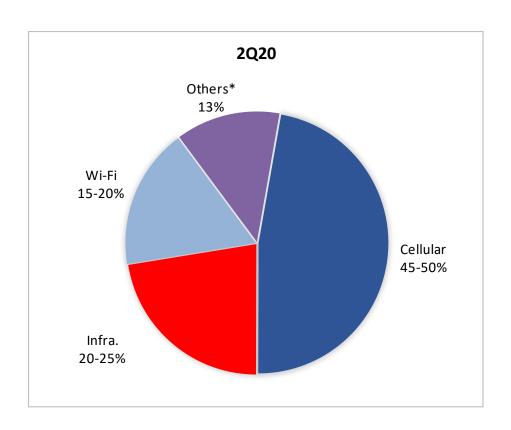
^{*} Gearing = interest-bearing debts / equity Source: company.

Product Mix









* Others: Revenue not attributable to main product segments and additional revenue being consolidated in accordance with IFRS.

Source: company.

3Q20 Guidance



▶ We expect 3Q20 revenue to grow by mid-single digit QoQ.

We expect 3Q20 gross margin to be around the level of low-forties.



APPENDIX - FINANCIAL SUMMARY

Consolidated Statements of Comprehensive Income - Quarterly



Unit: NTD Million	2Q'19	1Q'20	2Q'20 (unaudited)	QoQ	YoY	
Net revenue	4,451	6,071	6,048	-0.4%	+36%	
Gross profit	1,513	2,611	2,707	+4%	+79%	
Gross margin (%)	34.0%	43.0%	44.8%			
Operating expenses	(595)	(673)	(674)	+0.1%	+13%	
Operating expenses rate (%)	-13%	-11%	-11%			
Operating income	918	1,938	2,033	+5%	+122%	
Operating margin (%)	20.6%	31.9%	33.6%			
Non-operating incomes and expenses	82	26	(3)			
Income before income tax	999	1,965	2,030	+3%	+103%	
Income tax expense	(226)	(389)	(380)			
Net income	774	1,575	1,651	+5%	+113%	
Net margin (%)	17.4%	25.9%	27.3%			
EPS (NT\$)	1.87	3.76	3.94	+5%	+111%	
Other comprehensive income, net	415	(3)	606			
Comprehensive income	1,189	1,572	2,256	+44%	+90%	
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ROE(%)	12%	22%	22%			
Approx. Utilization (%)	80%	90%	90%			
Depreciation	842	841	868			
CAPEX	1,669	1,322	1,938			
			\ _/			

Consolidated Statements of Comprehensive Income - YTD



		2020111				
Unit: NTD Million	2019H1	2020H1 (unaudited)	YoY			
Net revenue	8,070	12,119	+50%			
Gross profit	2,416	5,318	+120%			
Gross margin (%)	29.9%	43.9%				
Operating expenses	(1,198)	(1,347)	+12%			
Operating expenses rate (%)	-15%	-11%				
Operating income	1,218	3,971	+226%			
Operating margin (%)	<i>15.1%</i>	32.8%				
Non-operating incomes and expenses	(26)	23				
Income before income tax	1,192	3,995	+235%			
Income tax expense	(267)	(769)				
Net income	924	3,226	+249%			
Net margin (%)	11.5%	26.6%				
EPS (NT\$)	2.28	7.70	+238%			
Other comprehensive income, net	1,474	603				
Comprehensive income	2,399	3,829	+60%			
ROE(%)	7%	21%				
Approx. Utilization (%)	65%	90%				
Depreciation	1,668	1,709				
CAPEX	2,489	3,260				

Non-operating Items



Unit: NTD Million	2Q'19	2Q'20 (unaudited)	2019H1	2020H1 (unaudited)	
Foreign exchange gains (losses)	42	(65)	44	(2)	
Gains (losses) on disposals of property, plant and equipment	-	0.3	(1)	(1)	
Gains (losses) on disposals of investments	105	-	80	-	
Gains on financial assets (liabilities) at fair value through profit or loss, net	(119)	(11)	(78)	(67)	
Share of gians (losses) of associates and joint ventures accounted for using equity method	(10)	21	(189)	15	
Others	64	52	119	78	
Total	82	(3)	(26)	23	
		<u> </u>			

Consolidated Balance Sheets



						/		
(Unit: NTD Million)	Major Item	2019/6	2019/6/30		2020/3/31		2020/6/30 (unaudited)	
		\$	%	\$	%	\$	%	
Cash and cash equivalents		4,206	11%	4,812	11%	6,159	13%	
Current financial assets at fair value through profit or loss		103	0.3%	587	1%	1,033	2%	
Notes and accounts receivable, net		1,855	5%	2,297	5%	2,318	5%	
Inventories		4,438	12%	4,977	12%	5,347	11%	
Long-term investments		4,760	13%	6,342	15%	7,150	15%	
Net property, plant and equipment		20,358	54%	22,112	51%	23,058	49%	
Total Assets		37,434	100%	42,996	100%	47,169	100%	
Current liabilities		6,287		9,178	į	8,906	1	
Long-term borrowings		4,780		4,833	i	6,187		
Total Liabilities		11,567	31%	14,533	34%	15,629	33%	
Common stock		4,241		4,241		4,241		
Total equity attributable to owners of parent		25,723		28,299		30,596		
Total Equity		25,867	69%	28,463	66%	31,540	67%	
Book value per share (NT\$) ¹		60.66		66.73		72.15		
Key Indices					-			
Current ratio (Current assets / Current liabilities)		175%		142%	- 1	172%		
Debt ratio (Total liabilities / Total assets)		31%		34%	İ	33%		
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¹ Book value per share = total equity attributable to owners of parent / number of common shares

Q & A

For more information regarding WIN www.winfoudry.com

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