

LEADING Wireless Future

**Kangxi Communication Technologies
Company Profile**

2022 Q3

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01

About KCT

(Kangxi Communication Technologies
www.kxcomtech.com)

KXCOMTECH PRODUCTS CATALOG



Wi-Fi FEM



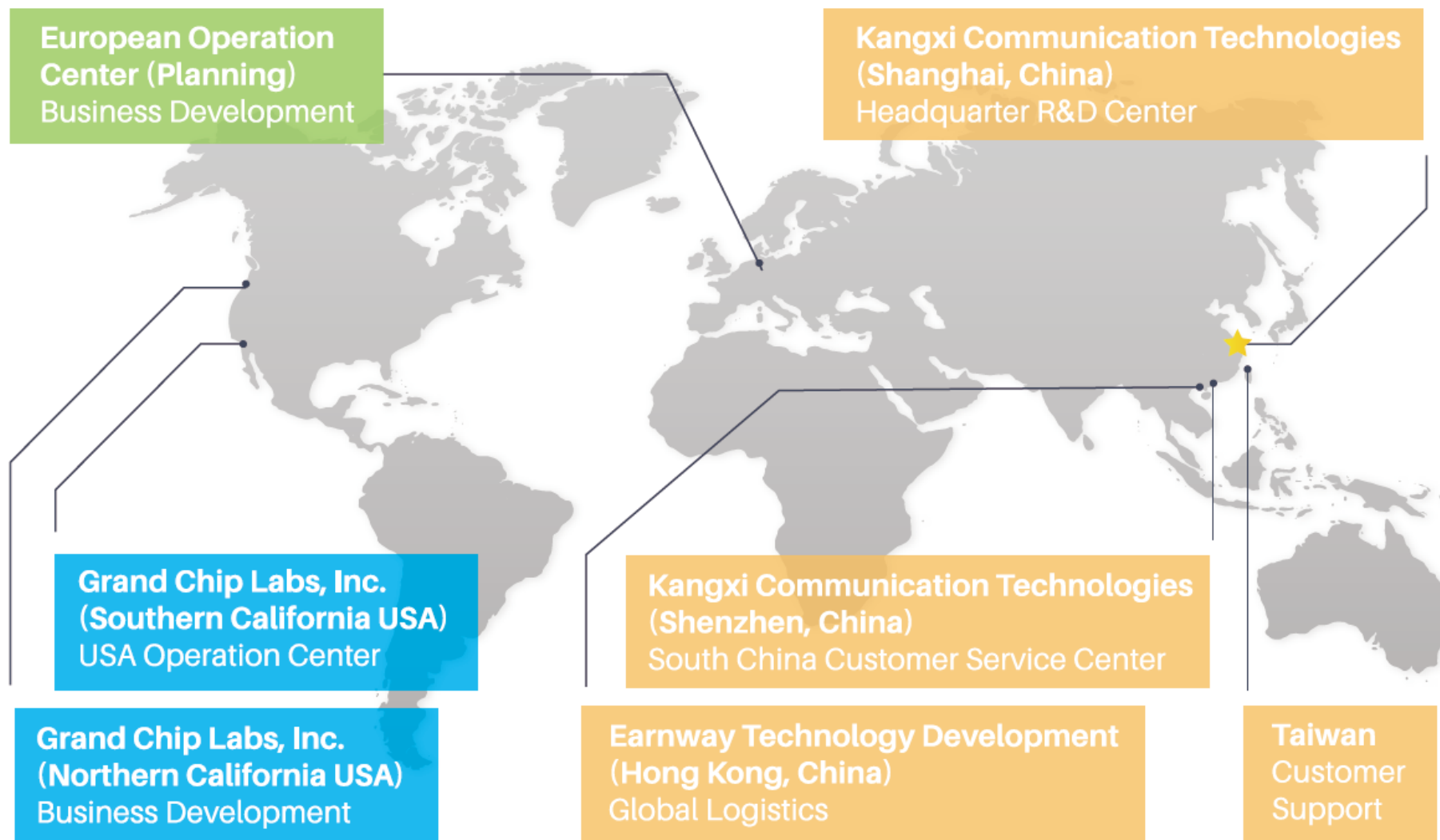
IoT FEM



**Automotive
V2X/Wi-Fi FEM**



KXcomtech Global Strategy





KCT Milestones

Sep 2014 Company founded

Jan 2016 Released High performance CMOS Wi-Fi FEM samples

Aug 2016 Invested by Intel Capital



May 2019 KCT officially won the Wi-Fi reference design of UniSoC



Jun 2019 KCT signed strategic partnership with CMCC-IoT in MWC Shanghai



Oct 2019 KCT officially won the reference design for Quantenna Wi-Fi 6 platform



Nov 2019 KCT officially won the reference design for Realtek Wi-Fi 5 platform



Mar 2020 KCT became official supplier of **ASUS** and **D-Link** for Wi-Fi 5 and Wi-Fi 6 FEM

May 2020 KCT became preferred Wi-Fi 6 FEM vendor for **Telefonica**

Oct 2020 Stepping in mass production of **tp-link** and **Tenda** for Wi-Fi 5 and Wi-Fi 6 FEM

Oct 2020 KCT won "The five innovative Chinese IC company" 2020 IC China

Nov 2020 KCT became official supplier of **FASTWEB** and **GRUPOMASMOVIL** for Wi-Fi 5 and Wi-Fi 6 FEM

Apr 2021 Stepped in mass production of **ZTE中兴** for Wi-Fi 6 FEM

May 2021 KCT officially became the AVL company of **QUALCOMM** QCN90XX platform

Dec 2021 Initial IPO procedure

July 2022 KCT officially became the AVL company of **QUALCOMM** NonLinear platform

CON

ASPENCORE EET 电子工程专辑 EDN 电子技术设计 ESM 国际电子商报
2020 年度中国 IC 设计成就奖颁奖典礼

五大中国创新 IC 设计公司

康希通信科技(上海)有限公司



ASPENCORE



通信设



8th CHINA FINANCE SUMMIT 2019
第八届中国财经峰会
2019.07.11-07.12 中国·北京

CFS



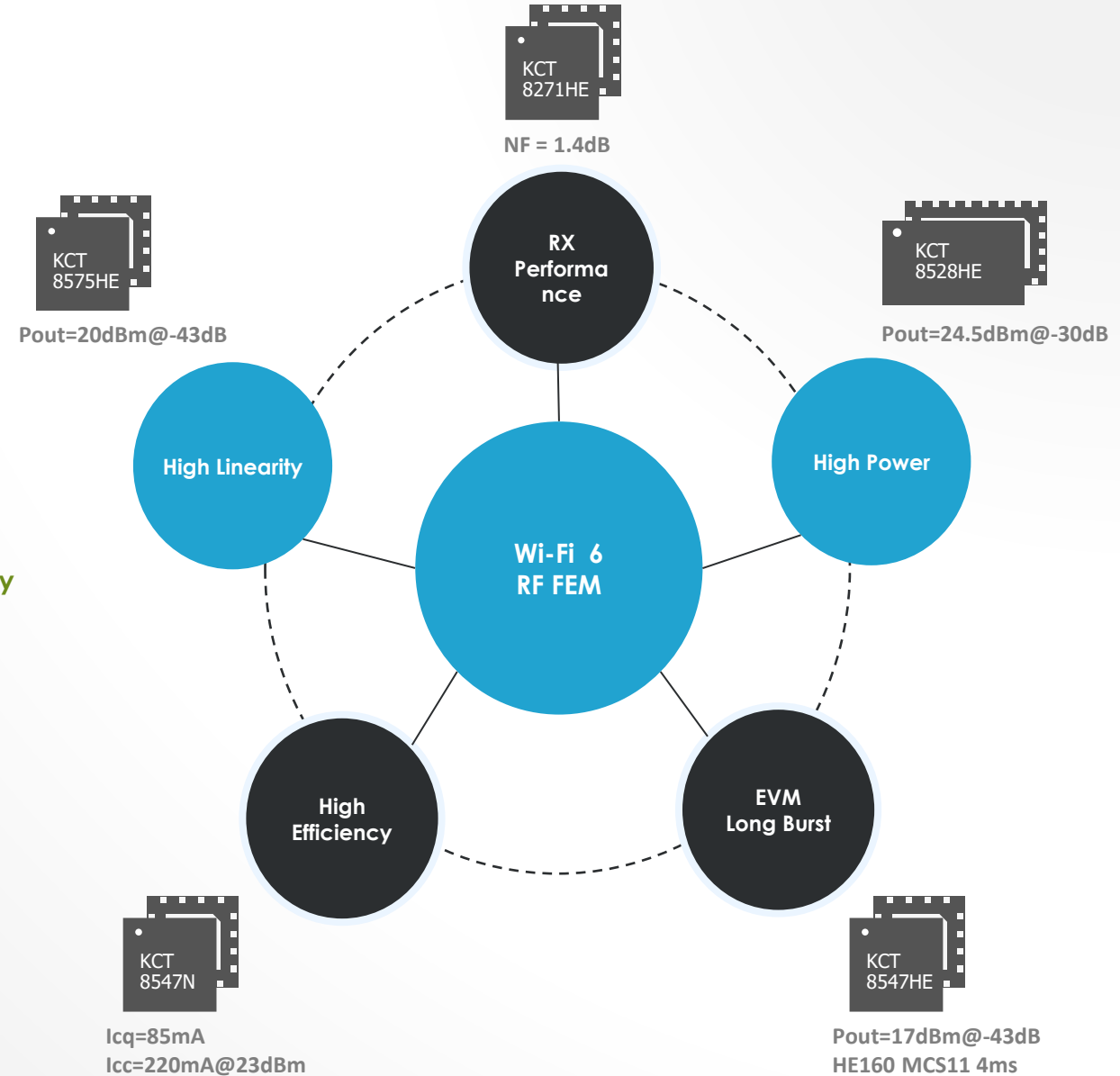
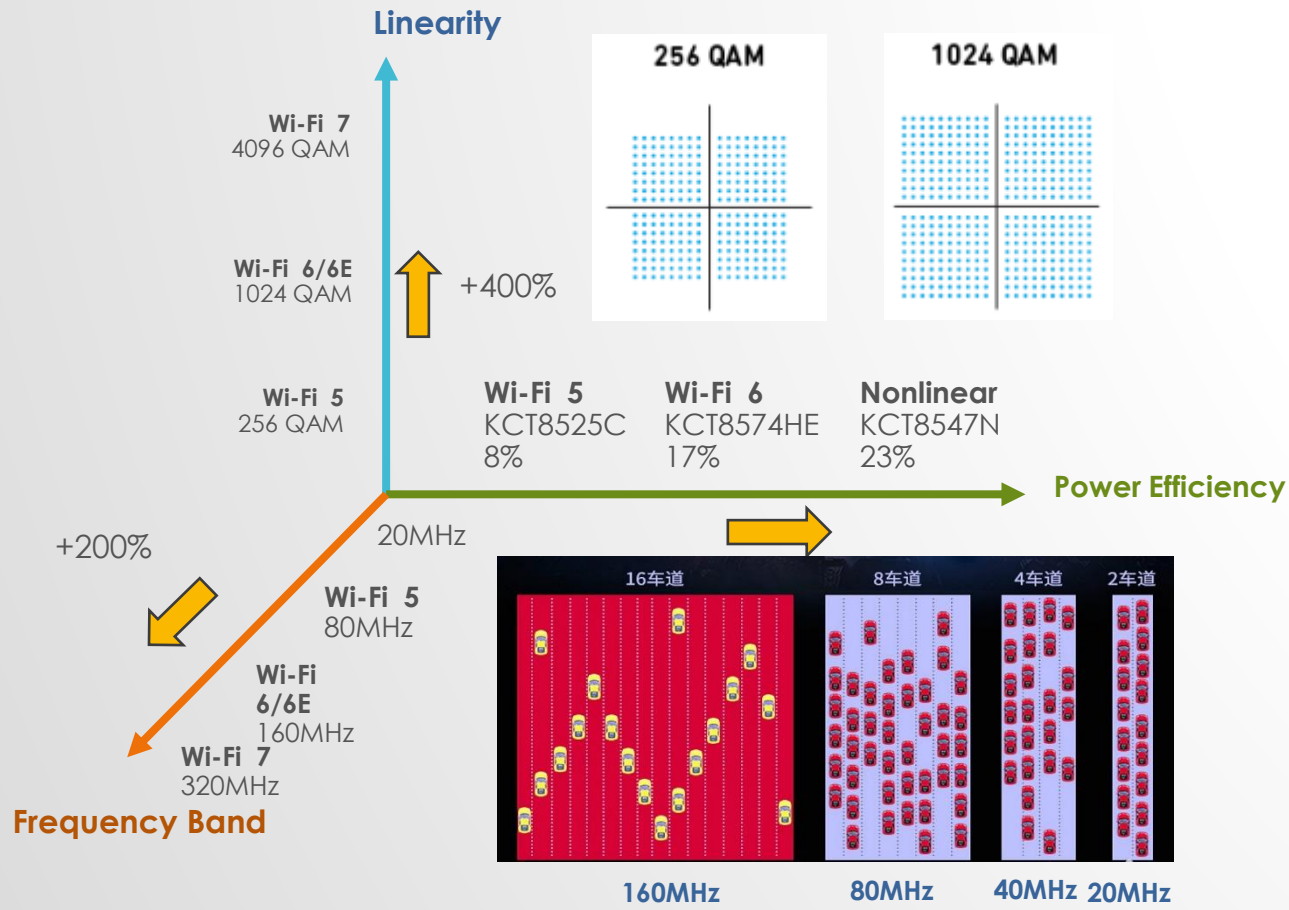


02

Product Overview

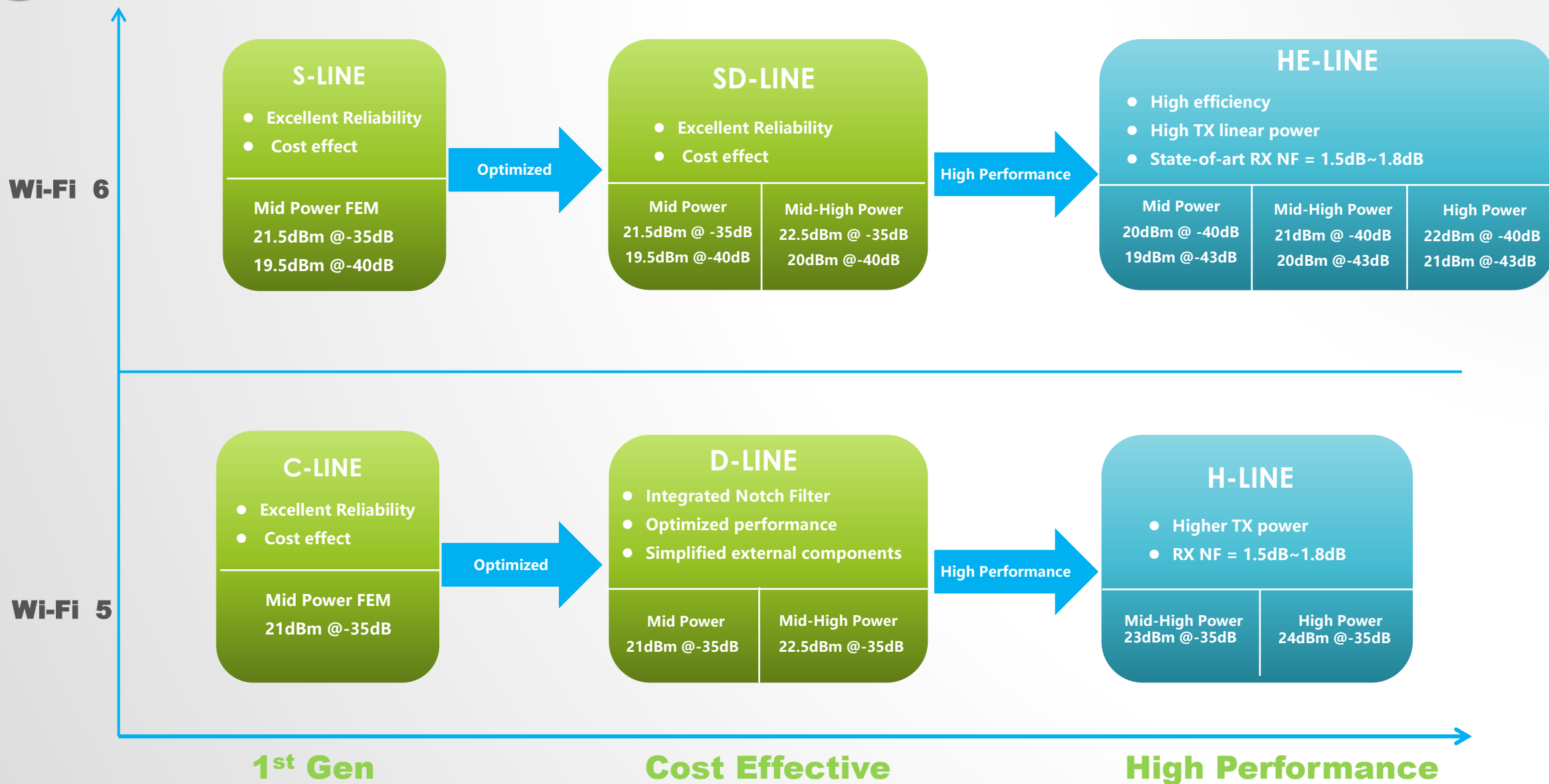


Wi-Fi RF FEM Evolution and Key Features of Wi-Fi 6 FEM



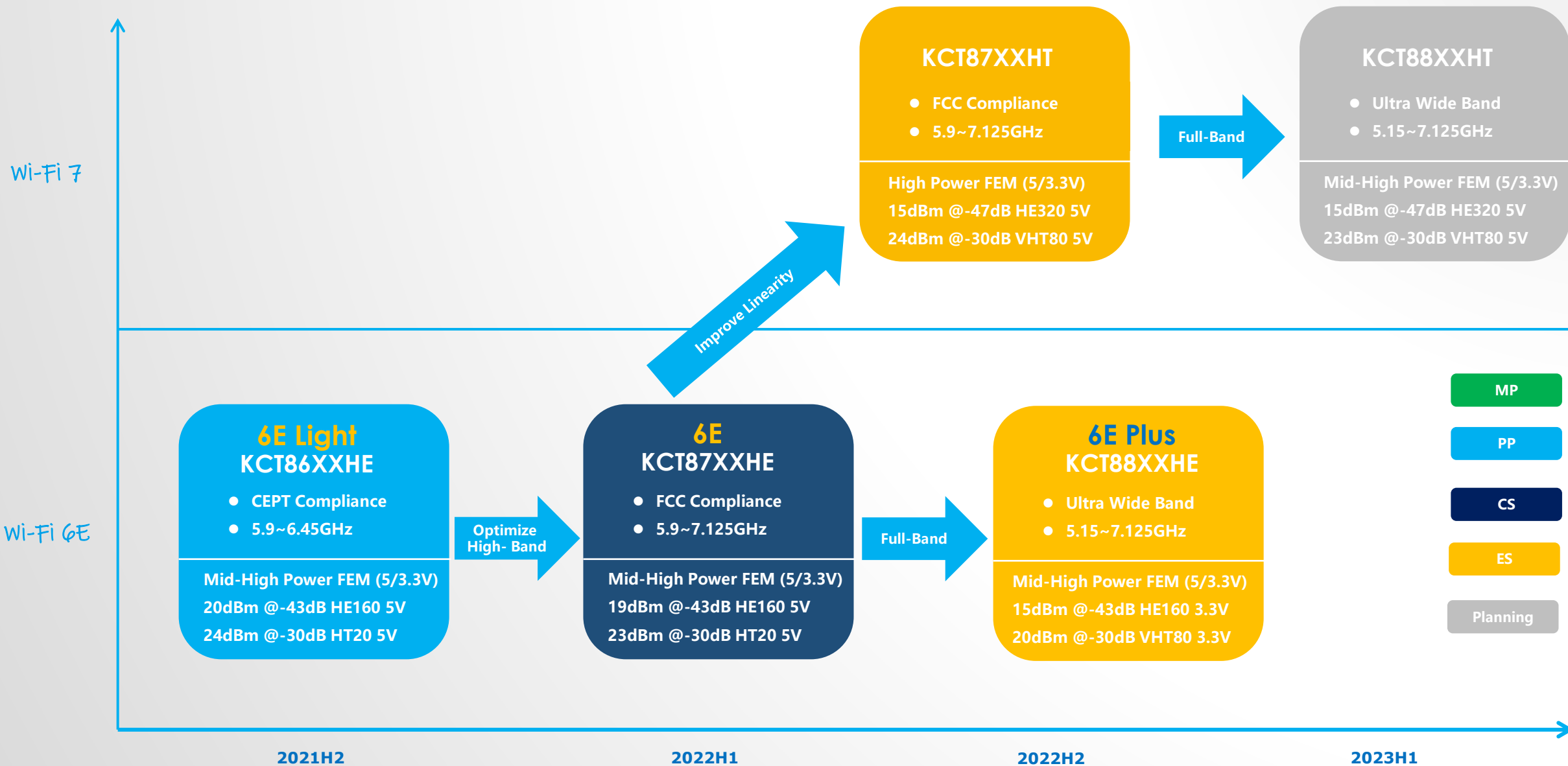


Product Roadmap – Wi-Fi 5/6 (for CPE, PON, AP Router)



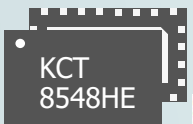
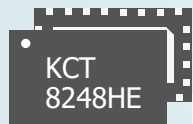


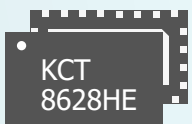
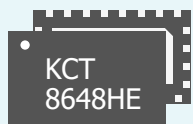
Product Roadmap – Wi-Fi 6E/7 (for Infrastructure)



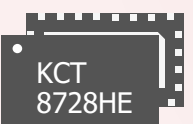
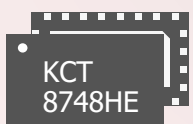
KCT Wi-Fi 6/6E Product Roadmap

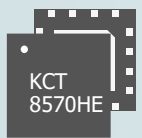
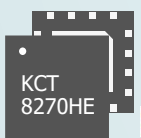
MP

5.15-5.85GHz	2.4GHz
 Qualcomm	 Qualcomm
QFN 3mm*5mm Pout =23dBm @-35dB NF = 1.9	QFN 3mm*5mm Pout =23.5dBm @-35dB NF = 1.9

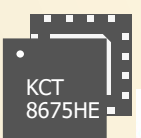
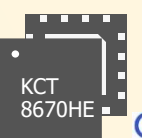
5.9~6.45GHz	
 BROADCOM	 Qualcomm
QFN 3mm*5mm Pout =22.5dBm @-35dB NF = 2.0	QFN 3mm*5mm Pout =22.5dBm @-35dB NF = 2.0

ES High Power (5V)

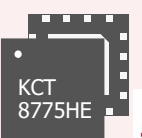
5.9~7.125GHz	
 BROADCOM	 Qualcomm
QFN 3mm*5mm Pout =23dBm @-35dB NF = 2.1	QFN 3mm*5mm Pout =23dBm @-35dB NF = 2.1

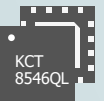
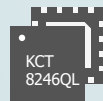
5.15-5.85GHz	2.4GHz
 Qualcomm	 Qualcomm
MIS 3mm*3mm Pout=22.5dBm@-35dB NF = 1.7	MIS 3mm*3mm Pout =23dBm @-35dB NF = 1.4

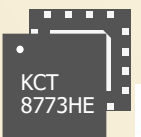
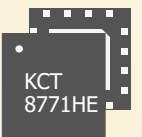
CS

5.9~6.45GHz	
 BROADCOM	 Qualcomm
QFN 3mm*3mm Pout =22.5dBm @-35dB NF = 2.2	QFN 3mm*3mm Pout =22.5dBm @-35dB NF = 2.2

Mid-High Power (5V)

5.9~7.125GHz	
 BROADCOM	 Qualcomm
QFN 3mm*3mm Pout =23dBm @-35dB NF = 2.0	QFN 3mm*3mm Pout =23dBm @-35dB NF = 2.0

5.15-5.85GHz	2.4GHz
 ON	 ON
QFN 2.5mm*2.5mm Pout=17.5dBm@-35dB NF = 1.8	QFN 2.5mm*2.5mm Pout =19.5dBm @-35dB NF = 1.6

5.9~7.125GHz	
 BROADCOM	 Qualcomm
QFN 3mm*3mm Pout =18.5dBm @-35dB NF = 2.0	QFN 3mm*3mm Pout =18.5dBm @-35dB NF = 2.0

Normal Power (3.3V)

2020

2021

2022



High-End Wi-Fi FEM

Product Catalog		Frequency Band	Normal Power (3.3V) 2.5*2.5mm / 3*3mm	Mid-Power (5V) 2.5*2.5mm / 3*3mm	Mid-High Power (5V) 2.5*2.5mm / 3*3mm	High Power (5V) 3mm*3mm	High Power (5V) 3mm*5mm	
WLAN Infrastructure	Wi-Fi 6E	6E	5.9-7.1G	KCT8771HE KCT8773HE	N/A	KCT8775HE KCT8770HE (2022 Q3)	N/A	KCT8728HE KCT8748HE (2022 Q3)
		6E Light	5.9-6.4G	N/A	N/A	KCT8675HE KCT8670HE	N/A	KCT8628HE KCT8648HE
	Wi-Fi 6	HE-Line (NF=1.6@2GHz NF=1.8@5GHz)	5GHz	KCT8574HE KCT8571HE (20dBm/220mA)	KCT8546HE KCT8547HE (21dBm/225mA)	KCT8575HE KCT8576HE KCT8570HE (23dBm/280mA)	N/A	KCT8548HE KCT8528HE (24dBm/340mA)
			2.4GHz	KCT8270HE (20dBm/200mA)	N/A	KCT8246HE KCT8247HE KCT8270HE KCT8237HE (23dBm/300mA)	KCT8276HE (24dBm/350mA)	KCT8248HE KCT8243HE (24.5dBm/420mA)
	Wi-Fi 5	H-Line (NF=1.6@2GHz NF=1.8@5GHz)	5GHz	N/A	N/A	KCT8527H (23dBm/350mA)	KCT8526H (24dBm/300mA)	KCT8528H (24dBm/325mA)
			2.4GHz	N/A	N/A	KCT8227H KCT8223H (23dBm/290mA)	N/A	KCT8232H (24.5dBm/420mA)

Normal Power: 19.5~21dBm @ 1.8%
 Mid-Power: 21~22.5dBm @ 1.8%
 Mid-High Power: 22.5~23.5dBm @ 1.8%
 High Power >= 23.5dBm@1.8%


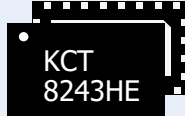


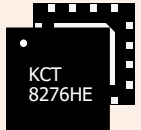
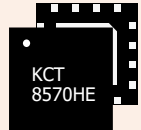
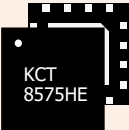
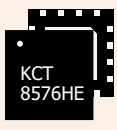


Cost-Effective Wi-Fi FEM

Product Catalog			Band	Mid-Power (5V) 2.5*2.5mm / 3*3mm	Mid-High Power (5V) 2.5*2.5mm / 3*3mm
WLAN Infrastructure	Wi-Fi 6	S-Line	5GHz	KCT8539S (21.5dBm/310mA)	KCT8539S-1 (22.5dBm/300mA)
			2.4GHz	KCT8239S (22dBm/270mA)	N/A
		SD-Line	5GHz	KCT8539SD (21.5dBm/305mA)	KCT8570SD KCT8539SD-1 (22.5dBm/295mA)
			2.4GHz	N/A	KCT8239SD KCT8245SD (24dBm/300mA) (2022Q3)
	Wi-Fi 5	D-Line	5GHz	KCT8522D KCT8525D-1 (22dBm/290mA)	KCT8523D KCT8529D (23.5dBm/350mA)
			2.4GHz	KCT8226D KCT8227D KCT8229D (22dBm/270mA)	KCT8227B KCT8229D-1 (23dBm/300mA)
		C-Line	5GHz	KCT8522C KCT8525C (21dBm/330mA)	N/A

Normal Power: 19~20dBm @ 1.8%
 Mid-Power: 20.5~22dBm @ 1.8%
 Mid-High Power: 22.5~24dBm @ 1.8%
 High Power >= 24dBm@1.8%

Recommendations – Wi-Fi 6 High Power FEM

2.4GHz	5.15 ~ 5.85GHz	
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>KCT 8248HE Qualcomm</p> <p>QFN 3mm*5mm Pout =23.5dBm @-35dB NF = 1.5dB</p> </div> <div style="text-align: center;">  <p>KCT 8243HE Qualcomm</p> <p>QFN 3mm*5mm Pout =24.5dBm @-35dB NF = 1.5dB</p> </div> </div>	<div style="text-align: center;">  <p>KCT 8548HE Qualcomm</p> <p>QFN 3mm*5mm Pout =23dBm @-35dB NF = 1.9dB</p> </div>	<div style="text-align: center;">  <p>KCT 8528HE Qualcomm</p> <p>QFN 3mm*5mm Pout =23.5dBm @-35dB NF = 1.8dB</p> </div>
3*5mm package		
<div style="text-align: center;">  <p>KCT 8276HE Qualcomm</p> <p>QFN 3mm*3mm Pout =24.5dBm @-35dB NF = 1.7dB</p> </div>	<div style="text-align: center;">  <p>KCT 8570HE Qualcomm</p> <p>QFN 3mm*3mm Pout=22.5dBm@-35dB NF = 1.8dB</p> </div>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>KCT 8575HE Qualcomm</p> <p>MIS 3mm*3mm Pout=23dBm@-35dB NF = 1.7dB</p> </div> <div style="text-align: center;">  <p>KCT 8576HE Qualcomm</p> <p>QFN 2.5mm*2.5mm Pout=23dBm@-35dB NF = 1.8dB</p> </div> </div>
3*3mm package		

Applications

- High Power Carrier CPE /Routers
- High Power Retail Routers

Customer Cases

- ZTE AX5400 / H3C NX5400 / MEIGE AX5400

Replacement

SXX85743/85331/85747/85337

SXX85755

QXX4588A/QXX4288A

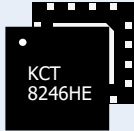
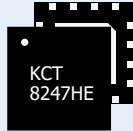
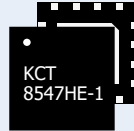
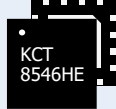
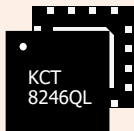
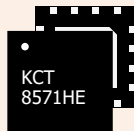
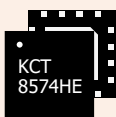
QXX4526



Customer Application Product

- ZTE Wi-Fi 6 Router AX5400
- Qualcomm IPQ5018 + QCN9024
- 2.4GHz FEM: KCT8276HE*2
- 5GHz FEM: KCT8576HE*4

Recommendations – Wi-Fi 6 High Efficiency FEM

2.4GHz		5.15 ~ 5.85GHz	
 <p>QFN 3mm*3mm Pout =23dBm @-35dB NF = 1.5dB</p>	 <p>QFN 3mm*3mm Pout =22.5dBm @-35dB NF = 1.5dB</p>	 <p>QFN 3mm*3mm Pout =20.5dBm @-35dB NF = 1.6dB</p>	 <p>QFN 2.5mm*2.5mm Pout =20.5dBm @-35dB NF = 1.7dB</p>
 <p>QFN 3mm*3mm Pout =19.5dBm @-35dB NF = 1.6dB</p>	 <p>QFN 3mm*3mm Pout=19dBm@-35dB NF = 1.7dB</p>	 <p>MIS 2.5mm*2.5mm Pout=19.5dBm@-35dB NF = 1.7dB</p>	

5V Nominal Voltage

3.3V Nominal Voltage

Applications

- Europe Carrier Gateway/Routers
- Enterprise AP/Routers

Customer Cases

- Telefonica Smart Wi-Fi 6 AP/ D-link FRL-W6A / Fastweb NeXXt

Replacement

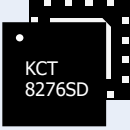

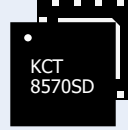
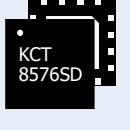
QXX4506B/4206B
QXX4550/QXX4200



Customer Application Product

- Telefonica Movistar Smart Wi-Fi 6 Amplifier
- Quantenna QT10GU-AX
- 2.4GHz FEM: KCT8246QL*4pcs
- 5GHz FEM: KCT8546QL*8pcs

Recommendations – Wi-Fi 6 Cost Effective FEM

2.4GHz	5.15-5.85GHz			Mid-high Power
 <p>Qualcomm UN</p> <p>QFN 3mm*3mm Pout =24.5dBm @-35dB NF = 2.5dB</p>	 <p>Qualcomm BROADCOM MEDIATEK</p> <p>QFN 3mm*3mm Pout =23dBm @-35dB Pout =21.5dBm @-40dB</p>	 <p>Qualcomm</p> <p>QFN 3mm*3mm Pout =23dBm @-35dB Pout =21.5dBm @-40dB</p>	 <p>Qualcomm UN</p> <p>QFN 2.5mm*25mm Pout =23dBm @-35dB Pout =21dBm @-40dB</p>	Mid Power

Applications

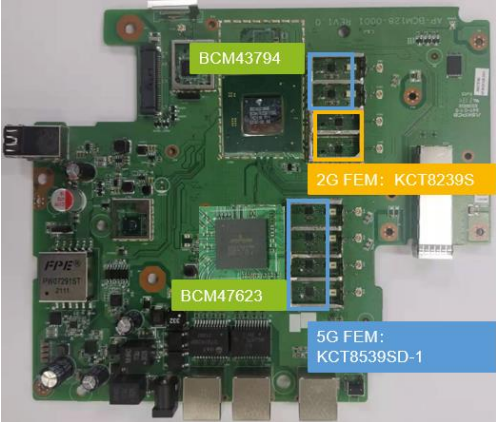
- High Cost-effective Carrier CPE /Routers
- High Cost-effective Retail Routers

Customer Cases

- T&W AP850 / WNC AX5400 / ASUS AX56

Replacement


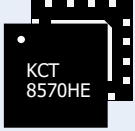
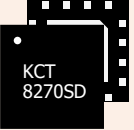
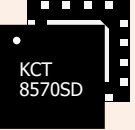
RXX7676/7646



Customer Application Product

- T&W AP850
- BCM47623 + KCT8539SD-1 *4
- BCM43794 + KCT8239S *2 + KCT8539SD-1 *2

Recommendations – Qualcomm Platform Wi-Fi6 FEM

<p style="text-align: center;">2.4GHz</p> <div style="text-align: center;">  <p>Qualcomm</p> </div> <p>QFN 3mm*3mm Pout =23dBm @-35dB NF = 1.4dB</p>	<p style="text-align: center;">5.15-5.85GHz</p> <div style="text-align: center;">  <p>Qualcomm</p> </div> <p>QFN 3mm*3mm Pout=22.5dBm@-35dB NF = 1.8dB</p>
<div style="text-align: center;">  <p>Qualcomm</p> </div> <p>QFN 3mm*3mm Pout =23dBm @-35dB NF = 2.5dB</p>	<div style="text-align: center;">  <p>Qualcomm</p> </div> <p>QFN 3mm*3mm Pout =23dBm @-35dB Pout =21.5dBm @-40dB</p>

High Performance

High Cost-Effective

Applications

- Carrier CPE /Routers of Qualcomm platform
- Retail Routers of Qualcomm platform

Customer Cases

- 大塔 Crow AX / CIG / WNC AX3000



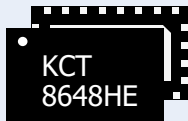

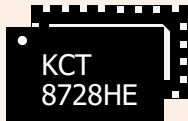

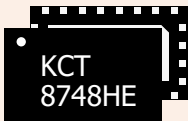

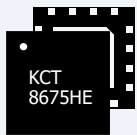



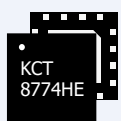

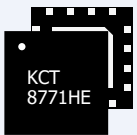

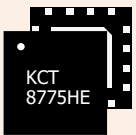

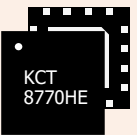

Replacement

SXX85750 / SXX85791

Customer Application Product

- Sercomm AX3000
- Qualcomm IPQ5018 + QCN6102 + KCT8570HE *2

Recommendations – Wi-Fi 6E FEM

<p style="text-align: center;">5.9~6.45GHz</p> <p style="text-align: right;">MP</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>KCT 8628HE</p> <p><small>QFN 3mm*5mm Pout =23dBm @-35dB NF = 1.9</small></p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  <p>KCT 8648HE</p> <p><small>QFN 3mm*5mm Pout =23dBm @-35dB NF = 2.0</small></p> </div> <div style="text-align: center;">  </div> </div>	<p style="text-align: center;">5.9~7.125GHz</p> <p style="text-align: right;">ES</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>KCT 8728HE</p> <p><small>QFN 3mm*5mm Pout =23dBm @-35dB NF = 2.1</small></p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  <p>KCT 8748HE</p> <p><small>QFN 3mm*5mm Pout =23dBm @-35dB NF = 2.1</small></p> </div> <div style="text-align: center;">  </div> </div>	
<p style="text-align: center;">5.9~6.45GHz</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>KCT 8675HE</p> <p><small>QFN 3mm*3mm Pout =22.5dBm @-35dB NF = 1.9</small></p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  <p>KCT 8670HE</p> <p><small>QFN 3mm*3mm Pout =23dBm @-35dB NF = 1.9</small></p> </div> <div style="text-align: center;">  </div> </div>	<p style="text-align: center;">5.9~7.125GHz</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>KCT 8774HE</p> <p><small>QFN 2.5mm*2.5mm Pout =18.5dBm @-35dB NF = 2.0</small></p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  <p>KCT 8771HE</p> <p><small>QFN 3mm*3mm Pout =19dBm @-35dB NF = 1.9</small></p> </div> <div style="text-align: center;">  </div> </div> <p style="text-align: right; font-size: 1.2em;">3.3V</p>	<p style="text-align: center;">5.9~7.125GHz</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>KCT 8775HE</p> <p><small>QFN 3mm*3mm Pout =22dBm @-35dB NF = 1.9</small></p> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  <p>KCT 8770HE</p> <p><small>QFN 3mm*3mm Pout =22dBm @-35dB NF = 1.9</small></p> </div> <div style="text-align: center;">  </div> </div>

Applications

- High Performance Wi-Fi 6E Carrier CPE /Routers
- High Performance Wi-Fi 6E Retail Routers

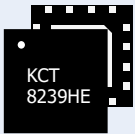
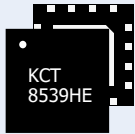
Customer Cases

- Under Evaluating

Pin-to-Pin Products

- SXX85780 / SXX85784
- QXX4656 / QXX4658 / QXX4632

Recommendations – Wi-Fi 6 Best Choice FEM

2.4GHz	5.15-5.85GHz
 <p>KCT 8239HE</p>	 <p>KCT 8539HE</p>
<p>QFN 3mm*3mm Pout =23dBm @-35dB NF = 1.4dB</p>	<p>QFN 3mm*3mm Pout=22.5dBm@-35dB NF = 1.8dB</p>
	

High Performance
&
High Cost-Effective

Applications

- High Performance & Cost-effective Carrier CPE /Routers
- High Performance & Cost-effective Retail Routers

Customer Cases

- To be continued...

Customer Application Product

- To be continued...



03

Reference Design and Applications



Main SOC Partners

Qualcomm



ON Semiconductor®










Wi-Fi 6 Reference Design – BCM, QCM

SoC Provider	Chipset	Power Class	Competitor PN	KCT Recommended Part
 (All Market Segments)	BCM43684 (SoC,4x4)	High	SKY85331-11 SKY85743-21	KCT8528HE / KCT8243HE
		Mid-High	SKY85337-11 SKY85755-11	KCT8575HE / KCT8247HE-1
		Normal (3.3V)	SKY85330-21 SKY85748-11	KCT8574HE / KCT8229D-1
		Dual Band Board	SKY85337-11 SKY85755-11	KCT8575HE / KCT8247HE-1
	BCM6755/6750/6752/6710 (SoC, 2x2/2x2/3x3)	Mid-High	SKY85337-11 SKY85755-11	KCT8575HE / KCT8247HE-1
	Cypress(IPQ80XX) Baseband Cobalt(QCN9XXX) 2GHz TRX Cobalt(QCN9XXX) 5GHz TRX	High	KCT8548HE / KCT8248HE	Officially Released 80-Y9005-10
 A Renesas Company	CL8080	Mid-High	KCT8576HE / KCT8246HE	AVL list



Wi-Fi 6 Reference Design – QTN, Maxlinear / MTK / Realtek

SoC Provider	Chipset	Power Class	Reference Design PN	KCT Recommended Part
 ON Semiconductor® 	U52 (Wi-Fi 6E)	High	KCT8248HE / KCT8528HE	Ongoing
		Normal (3.3V)	KCT8771HE / KCT8570HE/ KCT8270HE	Ongoing
	10GU(4x4+8x8) 5GU(4x4+5x5/2x2+5x5)	Mid-High	KCT8576HE / KCT8276HE	AVL list
		Mid	KCT8546Q / KCT8246Q	Officially Released
		Normal (3.3V)	KCT8574HE / KCT8274HE	AVL list
		Low (3.3V)	KCT8546QL / KCT8246QL	Officially Released
	WAV614 2GHz SoC 4x4 WAV624 5GHz SoC 4x4	High	SKY85331-11 SKY85743-21	KCT8528HE / KCT8243HE
	WAV654 Dual Band SoC 2+2 WAV684 5GHz Low + High 2+2	Mid-High	SKY85337-11 SKY85755-11	KCT8575HE / KCT8247HE-1
	MTK7915 (SoC 4x4)	Mid-High	SKY85755-11	KCT8575HE
	SoC 4x4 8832A / 8852A (AX1800)	High	KCT8548HE / KCT8248HE	Ongoing
		Mid-High	KCT8575HE	Officially Released
	8832C (AX3000)	Mid-High	KCT8570HE/KCT8270HE	Ongoing



04

Partners and Design-win Cases



Major Clients – Carriers



vodafone



GRUPO MAS MOVIL





Major Clients – ODM / OEM

ASUS[®]

NOKIA

 tp-link

ZTE中兴

Tenda

D-Link[®]
Building Networks for People


ASKEY

SERCOM

COMTREN

FOXCONN

MitraStar

ZYXEL

T&W

CIGTech | 剑桥科技

arcadyan

Ruijie锐捷
Networks

WNC
Wistron NeWeb Corp.

Skyworth
创维

H3C

 天邑
TIANYI

Sunniwell
朝歌科技

amazon

SONY


HARMAN

Hisense

vtech



Wi-Fi6 FEM – Customer Application Cases

5G FEM: KCT8546QL

2.4G FEM: KCT8246QL



Fastweb NeXXt
QT7510X + QT6220X

5G FEM: KCT8546QL

2.4G FEM: KCT8246QL



Movistar Smart Wi-Fi 6 Amplifier
QT10GU-AX



Wi-Fi6 RF FEM – Customer Application Cases



H3C NX54 IPQ5018 + QCN9074

5G TRX
QCN9074
4x4 4804Mbps

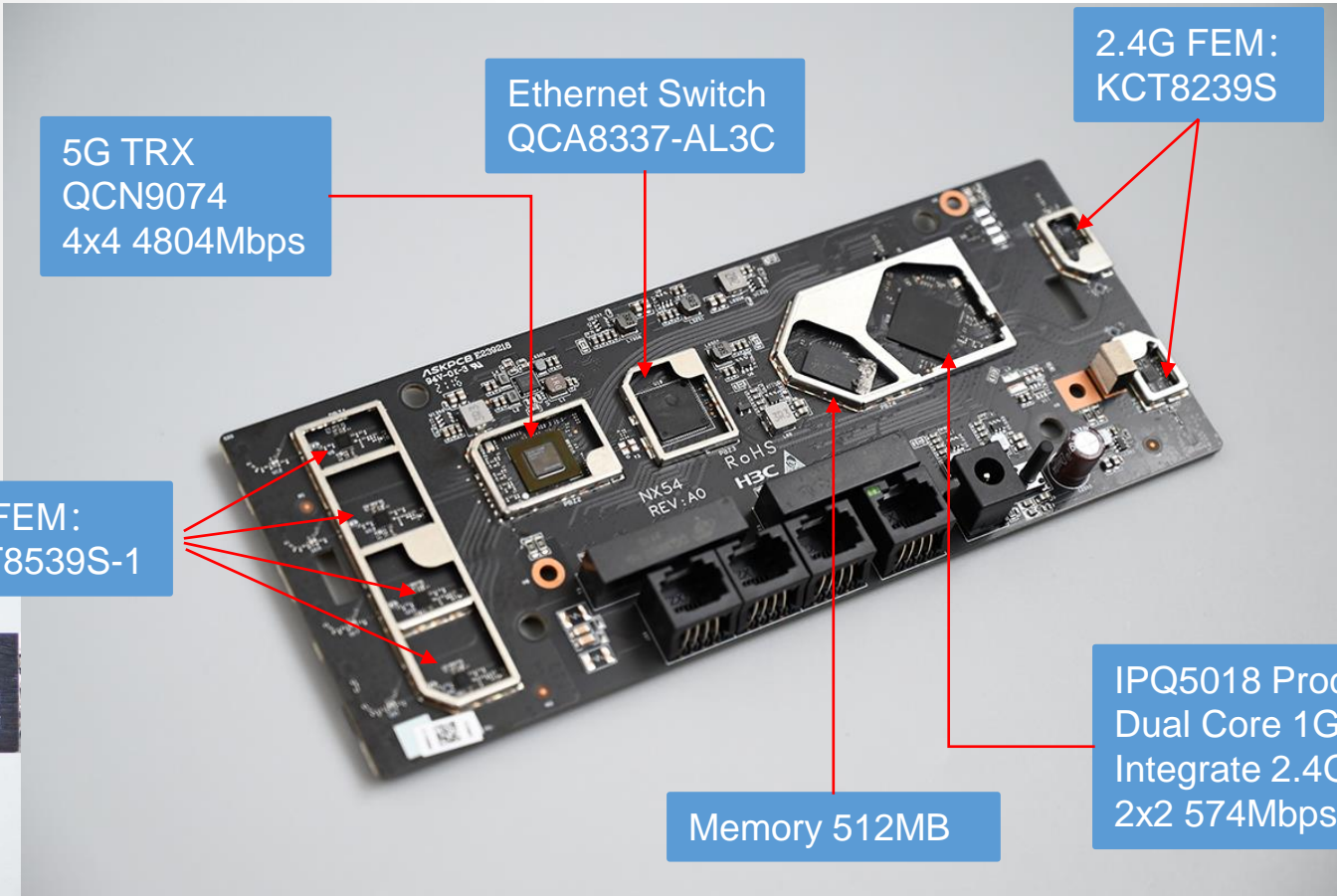
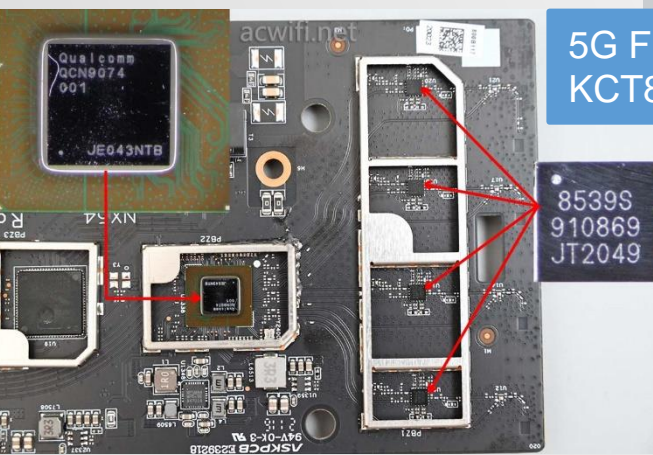
Ethernet Switch
QCA8337-AL3C

2.4G FEM:
KCT8239S

5G FEM:
KCT8539S-1

Memory 512MB

IPQ5018 Processor
Dual Core 1GHz
Integrate 2.4G TRX
2x2 574Mbps

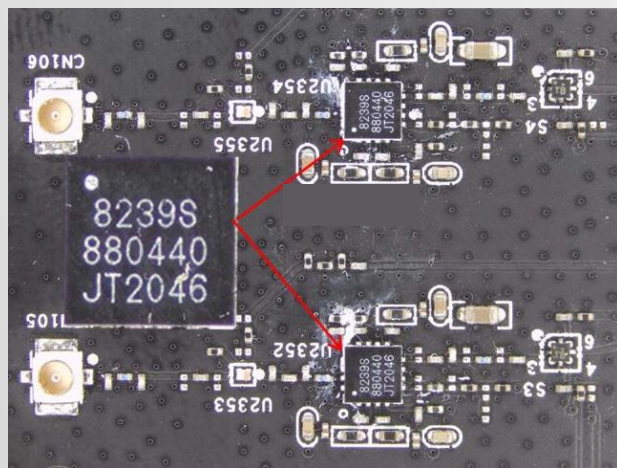
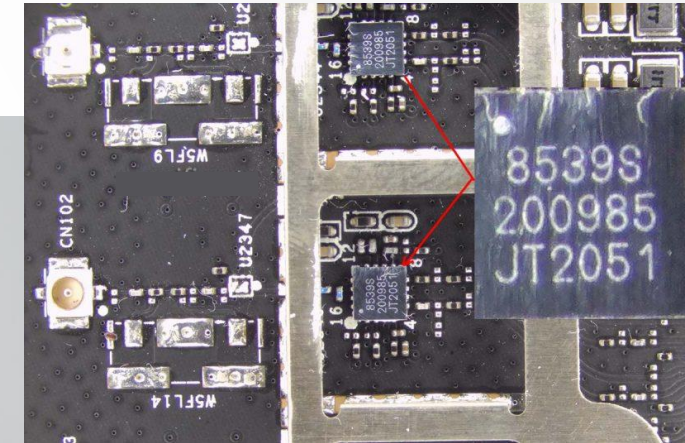
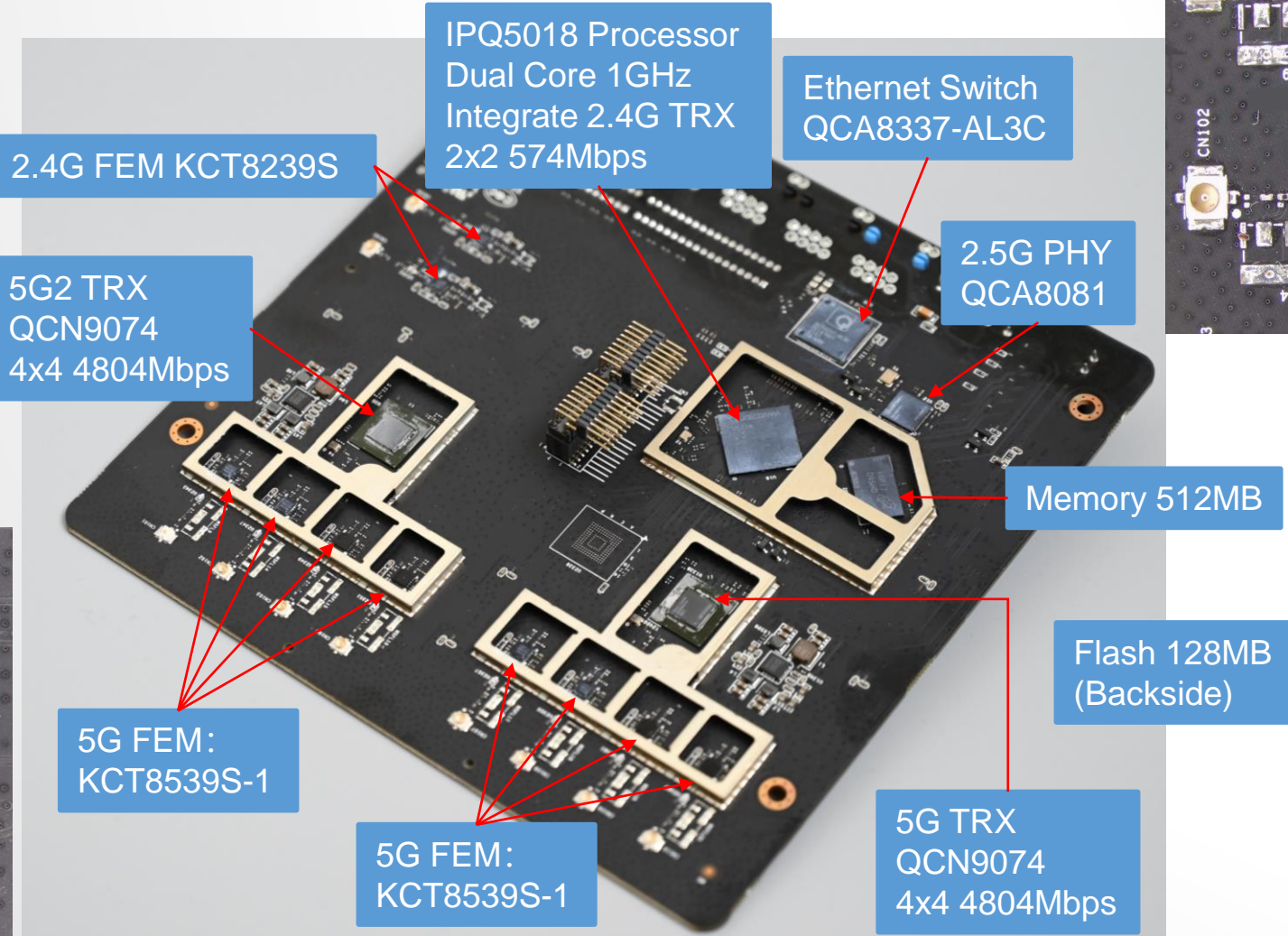




Wi-Fi6 RF FEM – Customer Application Cases



H3C NX15000 IPQ5018 + QCN9074



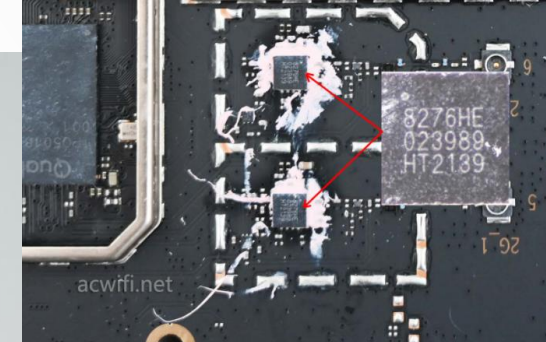


Wi-Fi6 FEM – Customer Cases



ZTE AX5400 IPQ5018 + QCN9024

2.4G FEM: KCT8276HE



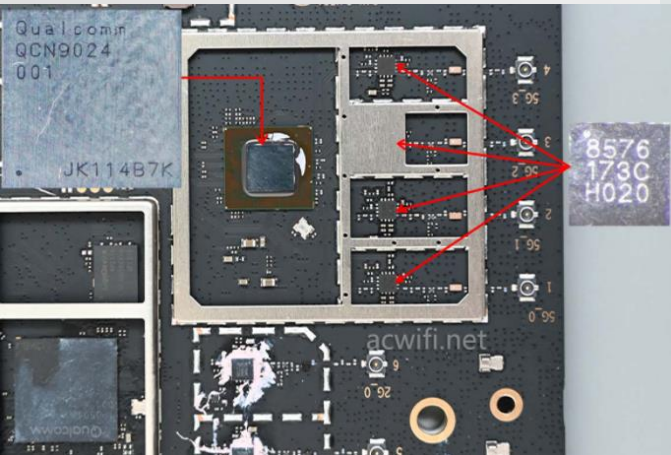
5G FEM:
KCT8576HE

2.4G FEM:
KCT8276HE

5G TRX
QCN9024
4x4 4804Mbps

IPQ5018 Processor
Dual Core 1GHz
Integrate 2.4G TRX
2x2 574Mbps

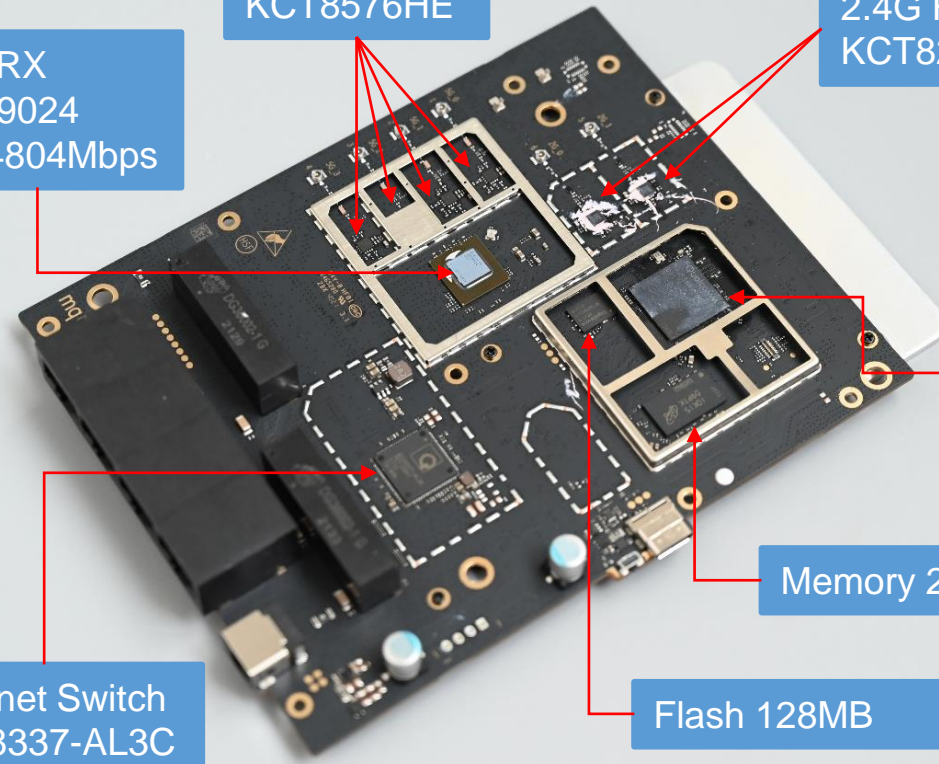
5G FEM: KCT8576HE



Ethernet Switch
QCA8337-AL3C

Memory 256MB

Flash 128MB

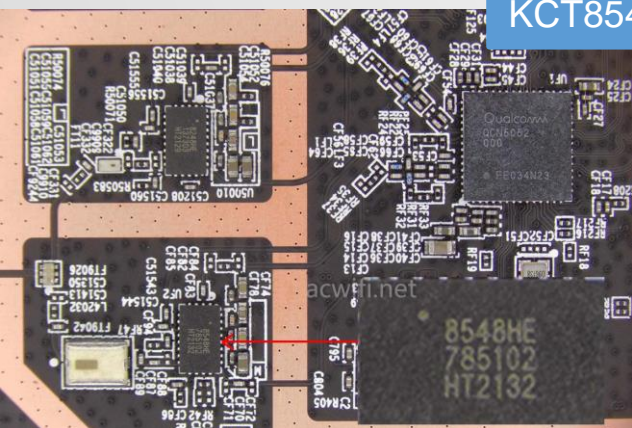
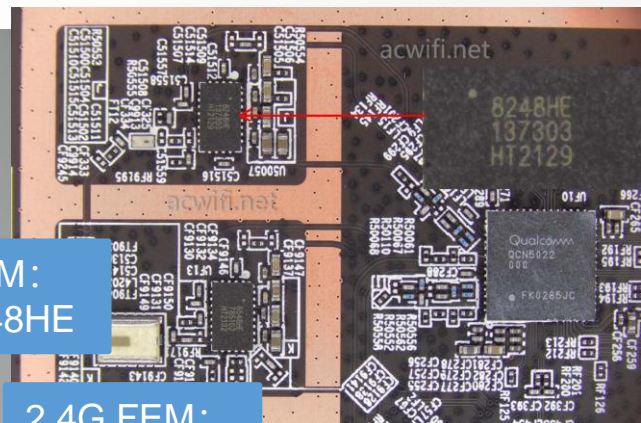
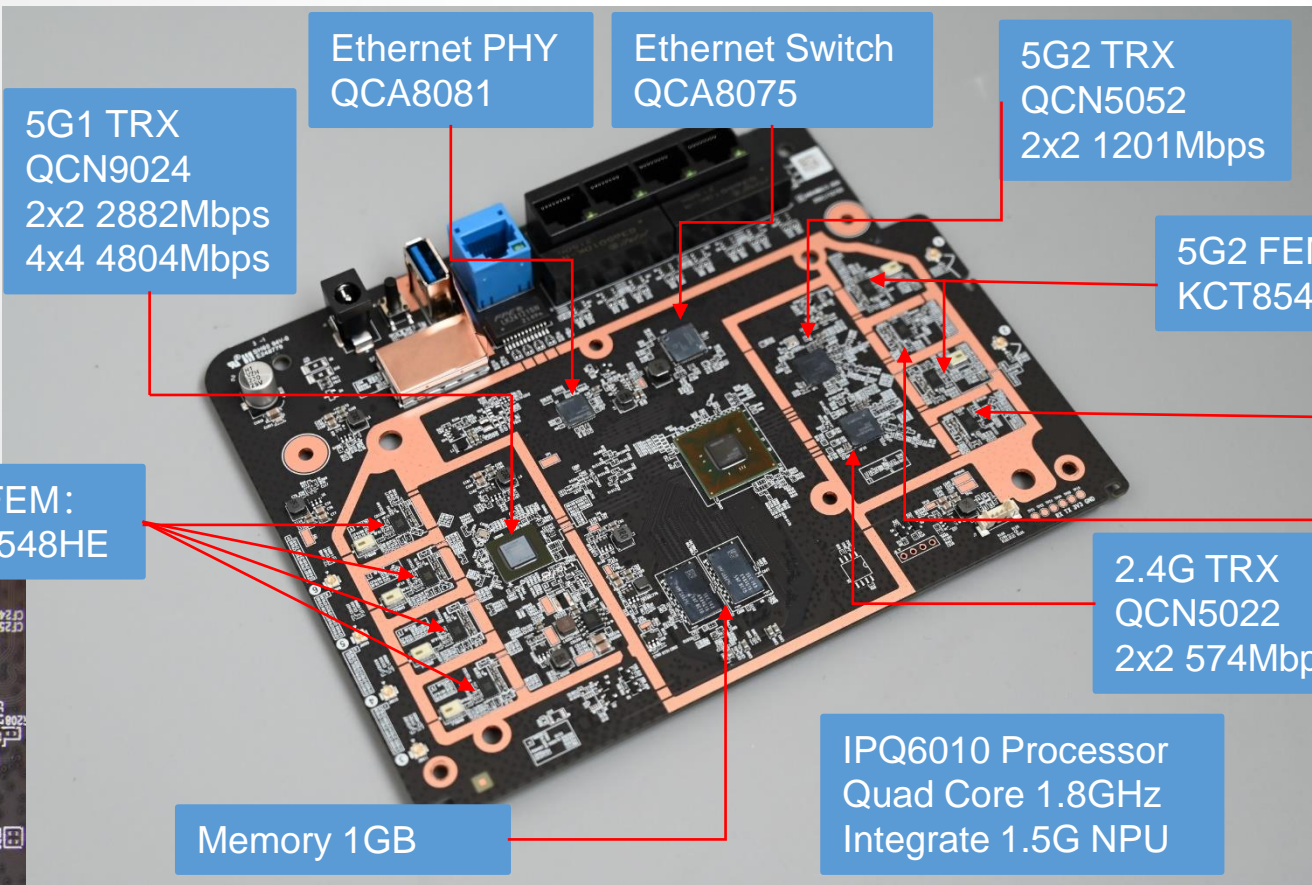




Wi-Fi6 FEM – Customer Cases

JD Cloud AX6600

IPQ6010 + QCN9024 + QCN5052 + QCN5022

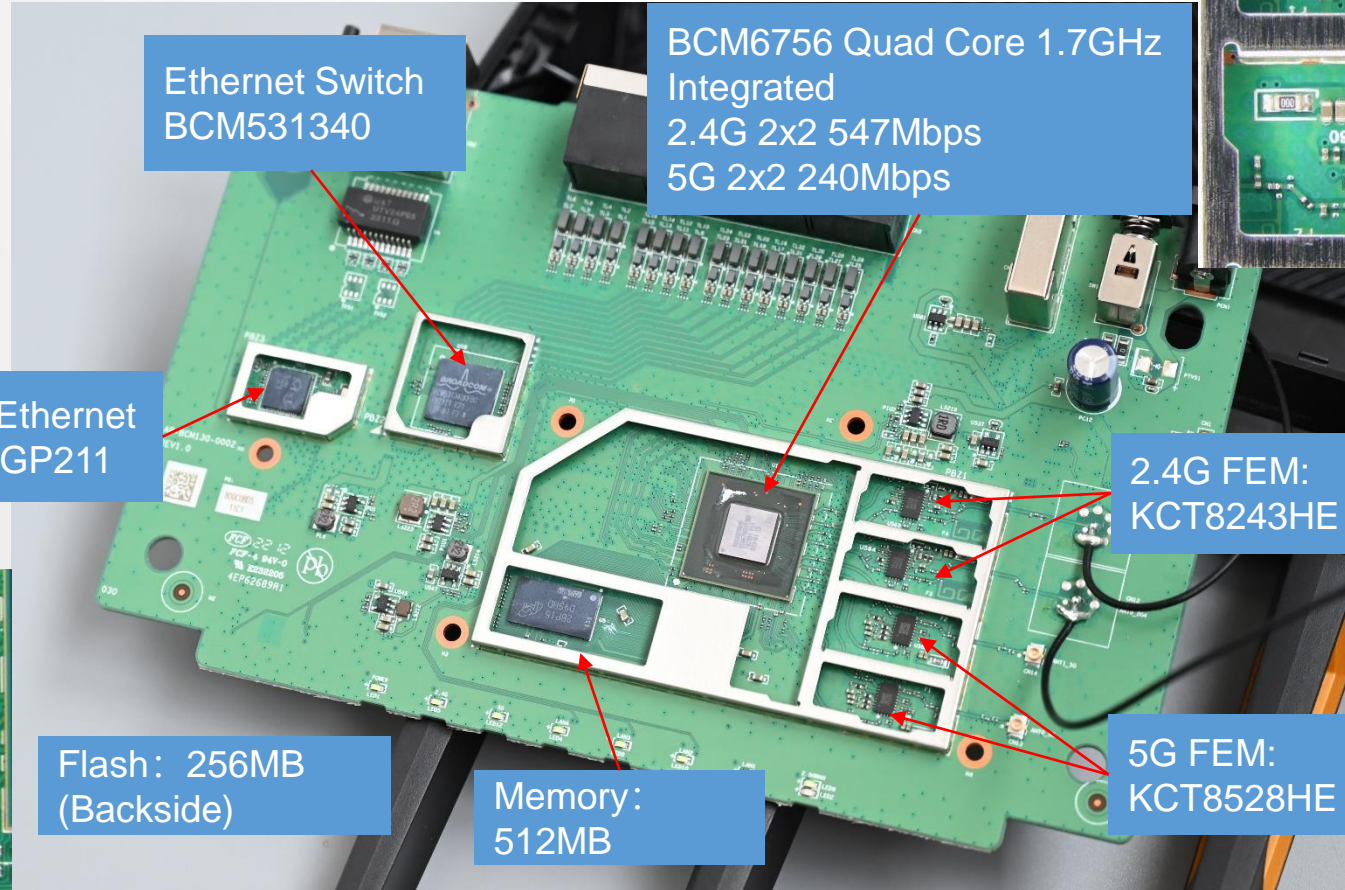




Wi-Fi6 FEM – Customer Cases



ASUS TUF AX3000 BCM6756



Ethernet Switch
BCM531340

BCM6756 Quad Core 1.7GHz
Integrated
2.4G 2x2 547Mbps
5G 2x2 240Mbps

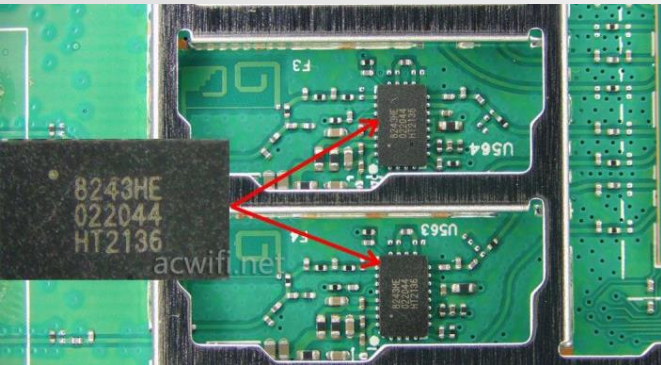
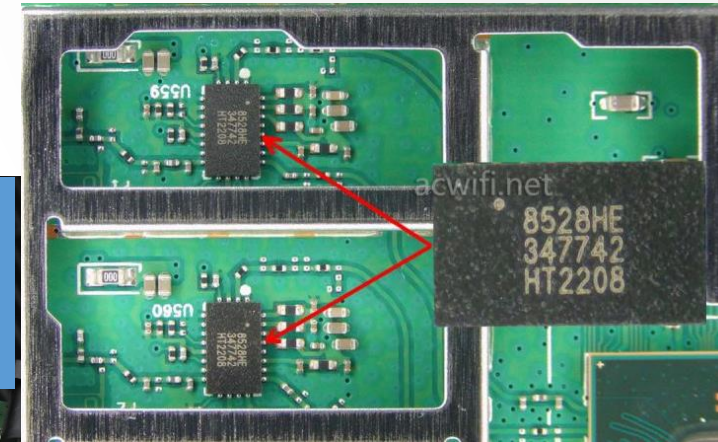
2.5G Ethernet
PHY: GP211

2.4G FEM:
KCT8243HE

Flash: 256MB
(Backside)














Memory:
512MB

5G FEM:
KCT8528HE





Customer Design-win Cases – Wi-Fi 6 Products

End Customer	Product type	Product Series No.		KCT Part No.
	Wi-Fi 6 AP Router		X32 PRO 	KCT8539S
	Wi-Fi 6 AP Router	AX5400	AX3000 	KCT8572S, KCT8247HE-1 KCT8576HE, KCT8276HE
	Wi-Fi 6 AP		AX6600 	KCT8248HE, KCT8548HE
	Wi-Fi 6 Gateway /AP		Smart Wi-Fi 6 Amplifier 	KCT8246QL, KCT8546QL
	Wi-Fi 6 AP Router		DIR-X1870 DIR-LX1870 DAP-X1800 	KCT8547HE-1
	Wi-Fi 6 AP Router		RT-AX56 V2 RT-AX55EU TUF AX3000 	KCT8539S, KCT8239S KCT8528HE KCT8243HE
	Wi-Fi 6 AP Router		天穹 V6 	KCT8575HE
	Wi-Fi 6 AP Router	NX54	BR5400 NX15000 	KCT8539S-1, KCT8239S












MIFI / CPE Customer Design-win Cases

End Customer	Product type	End-Customer Product	KCT Part No.
 飞鸿光电子	CPE	prototype TBR	KCT8552C
 伟文无线	CPE	prototype TBR	KCT8552C , KCT8553C
 华创微联	Wi-Fi + BTE	prototype TBR	KCT8552C
 美格电子	CPE	AT&T Smart Wi-Fi Extender 	KCT8525C + KCT8227D
 德明通讯 Asiateelco	CPE	PT86, PD80, D864 	KCT8535C + KCT8226D KCT6222H, KCT6225H
	CPE	D LINK 4G CPE 	KCT8553C



IoT Customer Design-win Cases

End Customer	Product type	End-Customer Product	KCT Part No.
	BLT Speaker	Soundcore Flare 2 	RT201
	BLT Speaker	 JBL Go, JBL Go 2, Pulse 4, Flip Essential	RT201
	Baby monitor	MBP855Baby M 	RT201
	BLT Speaker	prototype TBR	RT201
	BLT Speaker	STUDIO 3 	RT201



05

Supply Chain



Main Suppliers – Foundry & OSAT

A

Foundry

GaAs: WIN (Taiwan) & AWSC (Taiwan)

CMOS: TSMC (Shanghai) & TowerJazz (USA)

SOI: Global Foundries (Singapore)



B

OSAT

JCET (East China) & Huatian (West China)

Carsem (East China) & Forehope (East China)

Test

Atec (East China)

iTestSemiconduct (East China)





Leading RF Technologies, Bridging Wireless Communication

Thank you



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TEL: 021-68386910

Note: This document is subject to the latest released version, the previous data is invalid