



Sustainable Wireless Empowering Connectivity

Q1. 2024

Kangxi Communication Technologies
Company Profile



About KXcomtech

Kangxi Communication Technologies
www.kxcomtech.com

KXcomtech Products Catalog



Wi-Fi FEM



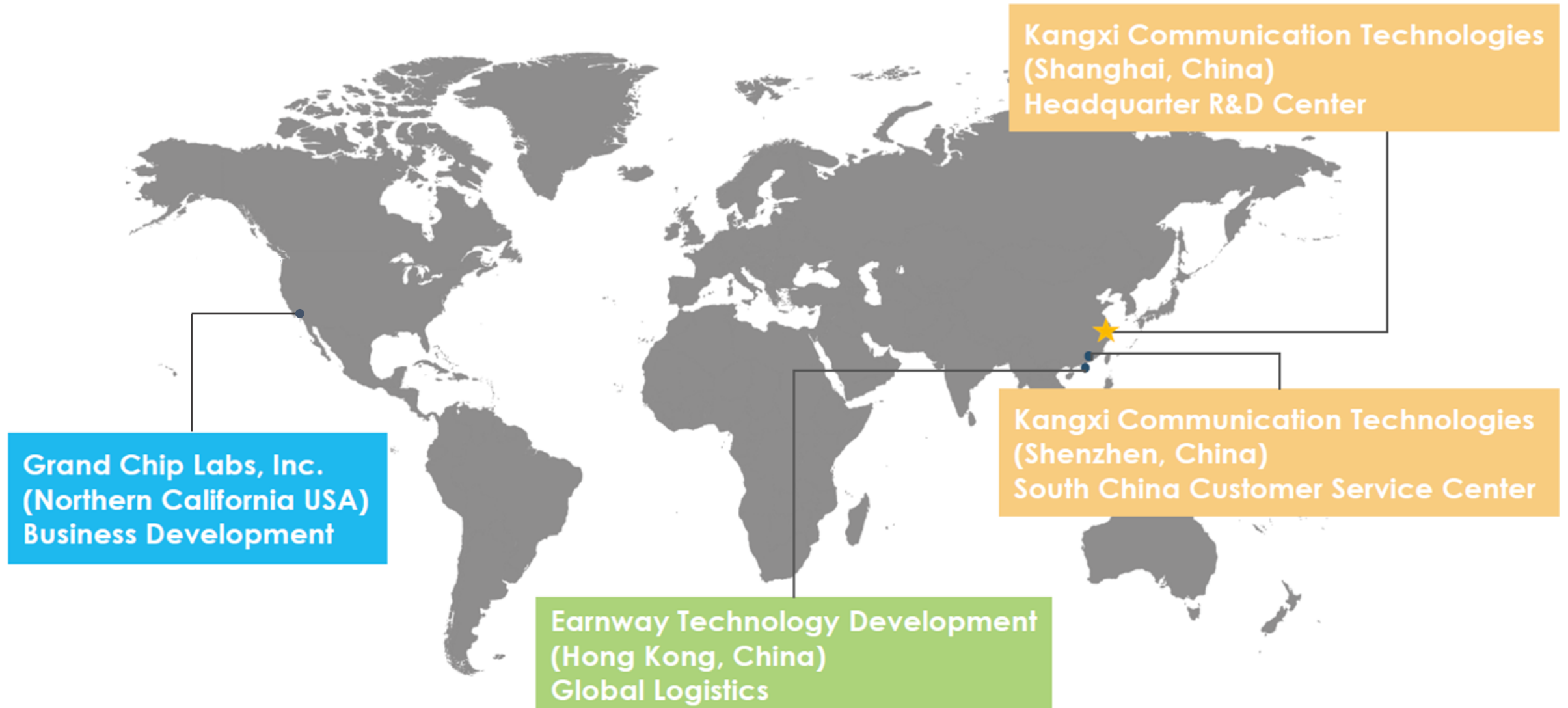
IoT FEM



**Automotive
V2X/Wi-Fi FEM**

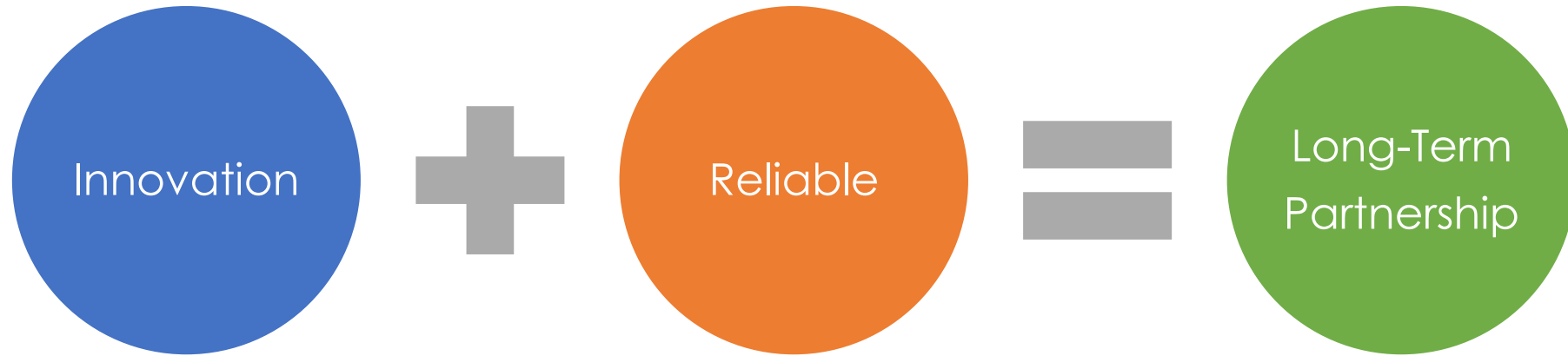


KXcomtech Global Strategy





KXcomtech Philosophy



Fast Evolution:

- 2 years for New Standards (2017 WiFi5 / 2019 WiFi6 / 2021 WiFi6E / 2022 WiFi7)
- 1 year for Upgrade/Cost Optimized Product Lines

Unique Features:

- Best-in-class RX NF
- Unique Bulk-CMOS RF Switch Technology
- Comparable High Efficiency
- Comparable High Power
- High Power with Small Package

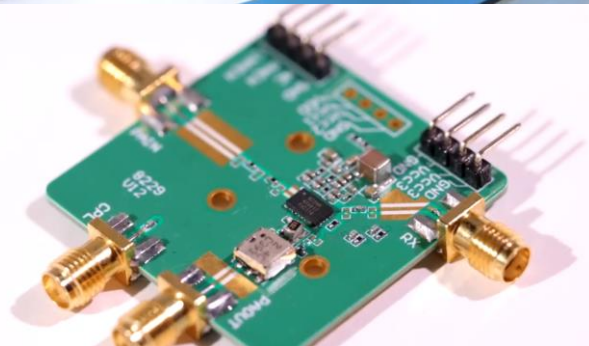
- Professional: Focusing & Dedicated in Wi-Fi RF FE
- Quality: <50ppm/200M
- Delivery: 1 Month for Urgent / 3months for Regular
- IP/Regulation Compliance
- Effective Global Support Team
- Voice of Customers
- Active Improvement

- Over 150 Customer Shipment
- Volume Shipments for Most Top-Tier Customers in China
- Strategic Partnership with Key Customers
- Reference Design/AVL with Most SoC Partners



KXcomtech Milestones

- | | | | |
|----------|---|-----------|--|
| Sep 2014 | Company founded | Oct 2020 | Stepping in mass production of  tp-link and Tenda for Wi-Fi 5 and Wi-Fi 6 FEM |
| Jan 2016 | Released High performance CMOS Wi-Fi FEM samples | Apr 2021 | Stepped in mass production of ZTE中兴 for Wi-Fi 6 FEM |
| Aug 2016 | Invested by Intel Capital  | May 2021 | KCT officially became the AVL company of  QUALCOMM QCN90XX platform |
| May 2019 | KCT officially won the Wi-Fi reference design of UniSoC  | July 2022 | KCT officially became the AVL company of  QUALCOMM NonLinear platform |
| Nov 2019 | KCT officially won the reference design for Realtek Wi-Fi 5 platform  | Sep 2023 | KCT officially became the DRL company of  MEDIATEK NonLinear platform |
| Mar 2020 | KCT became official supplier of  ASUS and  D-Link for Wi-Fi 5 and Wi-Fi 6 FEM | Oct 2023 | KCT became official supplier of freebox Wi-Fi 6 and Wi-Fi 7 FEM |
| May 2020 | KCT became preferred Wi-Fi 6 FEM vendor for  | Nov 2023 | KCT has successfully listed on China Stock Market |





Main Suppliers – Foundry & OSAT

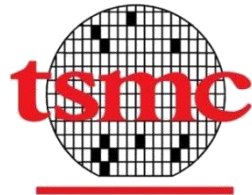
A

Foundry

GaAs: WIN (Taiwan) & AWSC (Taiwan) & SAIC (China)

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)





Product Roadmap



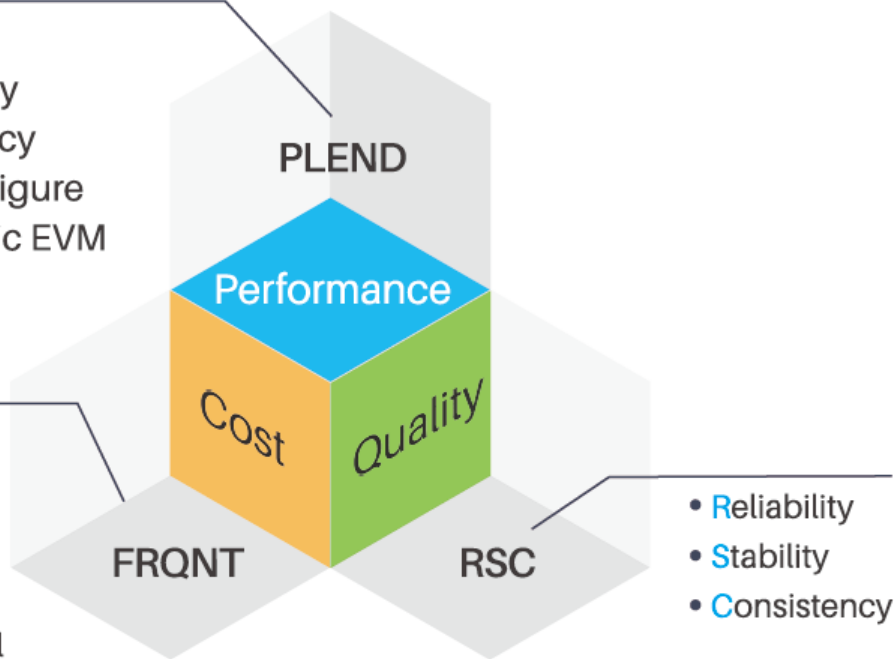
Wi-Fi FEM Key Factors Features

Kxcomtech's Principle

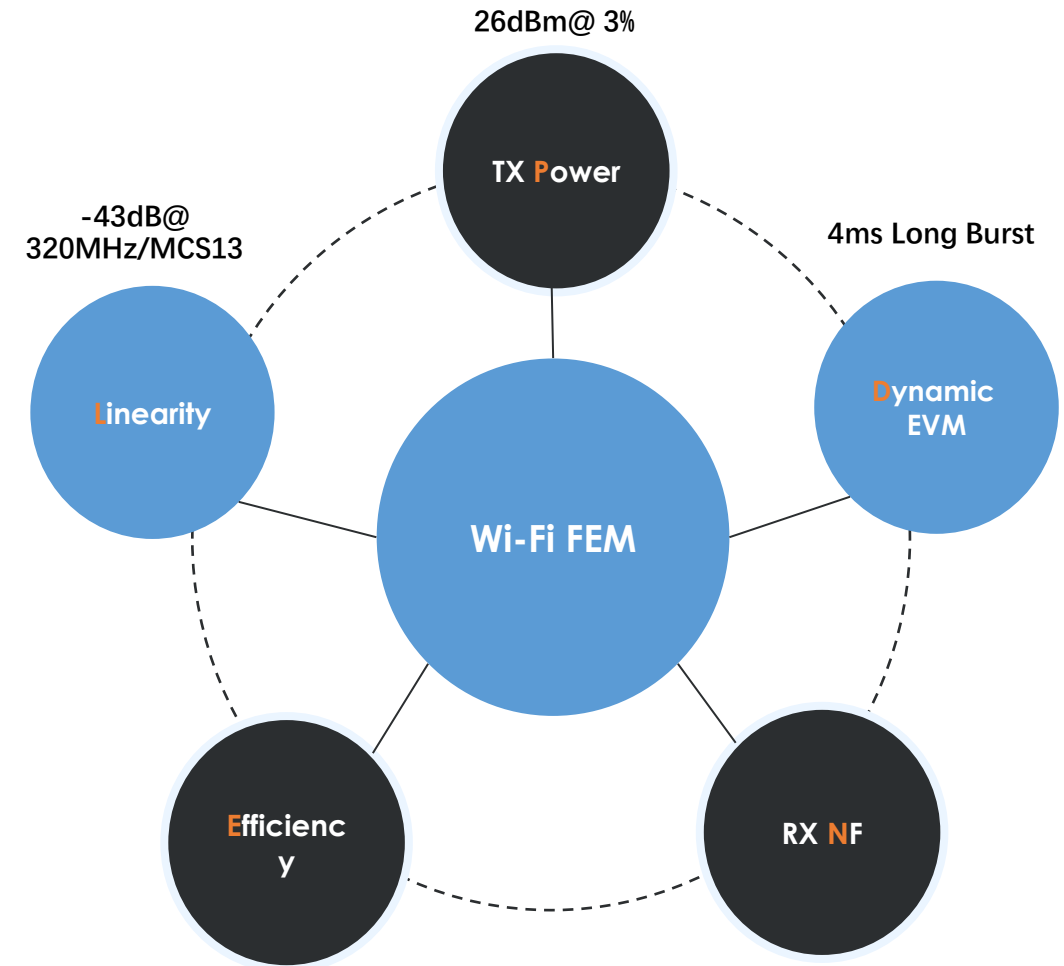
Based on high **Quality** standard, providing the combinations of high **Performance** and **Cost Effective** solutions.

- **P**ower
- **L**inearity
- **E**fficiency
- **N**oise Figure
- **D**ynamic EVM

- **F**EM
- **R**BoM
- **Q**uality
- **N**RE
- **T**hermal



Key Features: PLEND

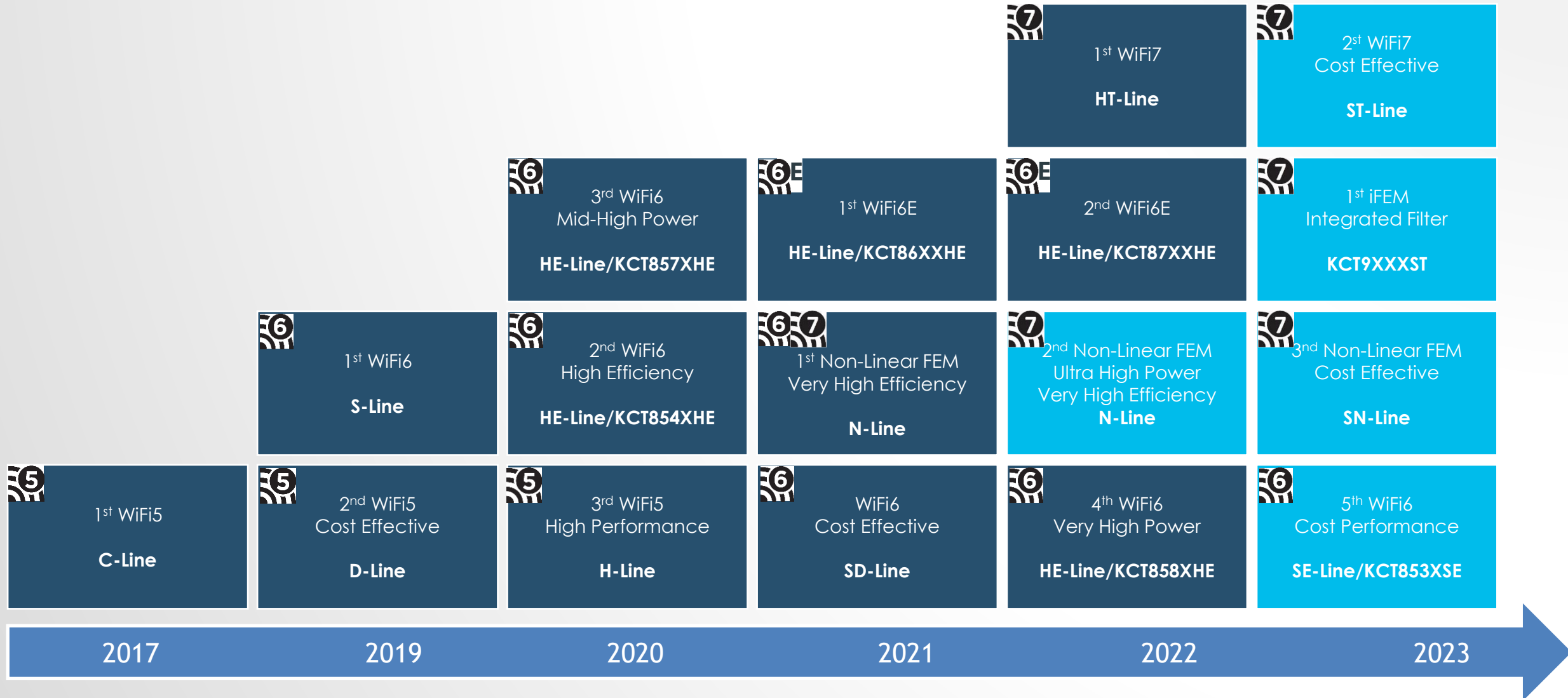


Linear FEM: 16% @ TX Power
with 3% EVM
Non-Linear FEM: 20%+ @ TX Power
with 3% EVM

1.5dB @ 2.4GHz
1.8dB @ 5GHz
2.0dB @ 6GHz



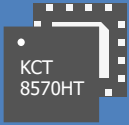
KCT Wi-Fi FEM Technologies Evolution



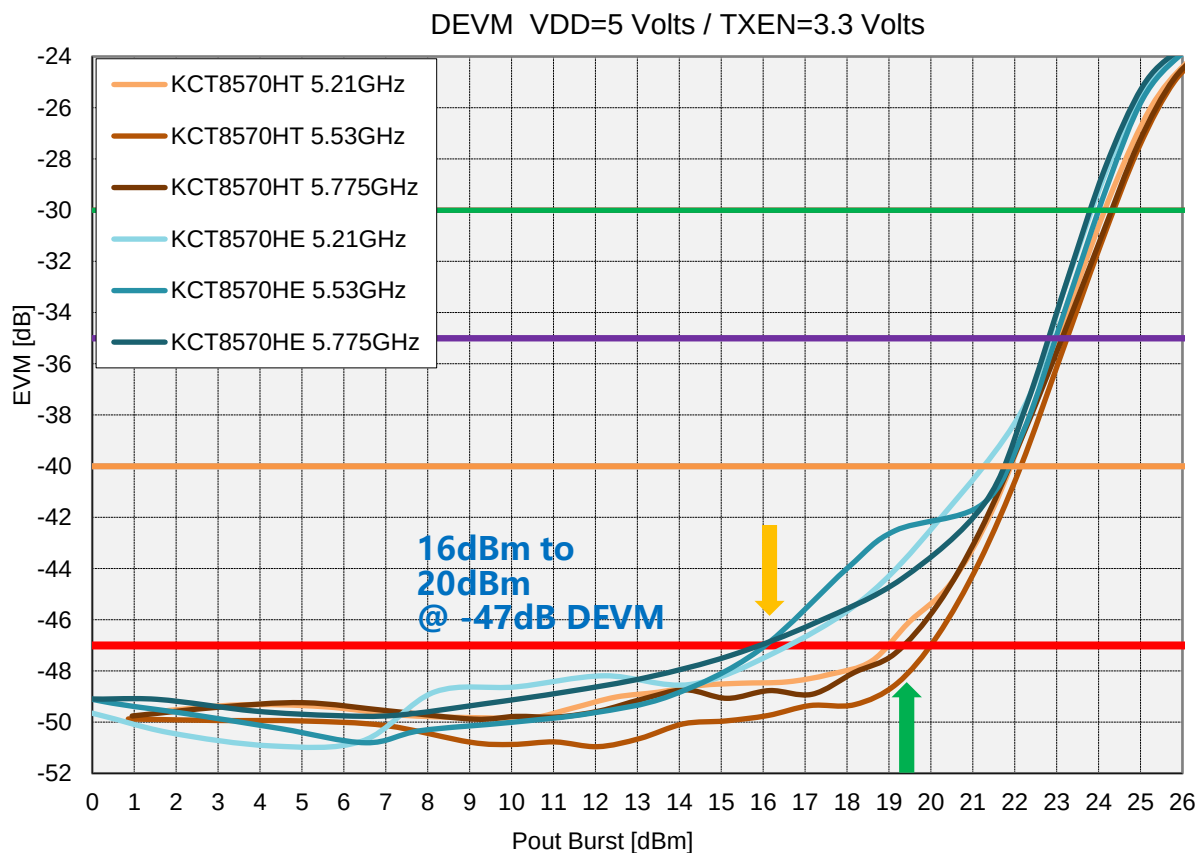
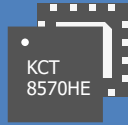


Improvement on Wi-Fi 7 FEM

Linear RF Power

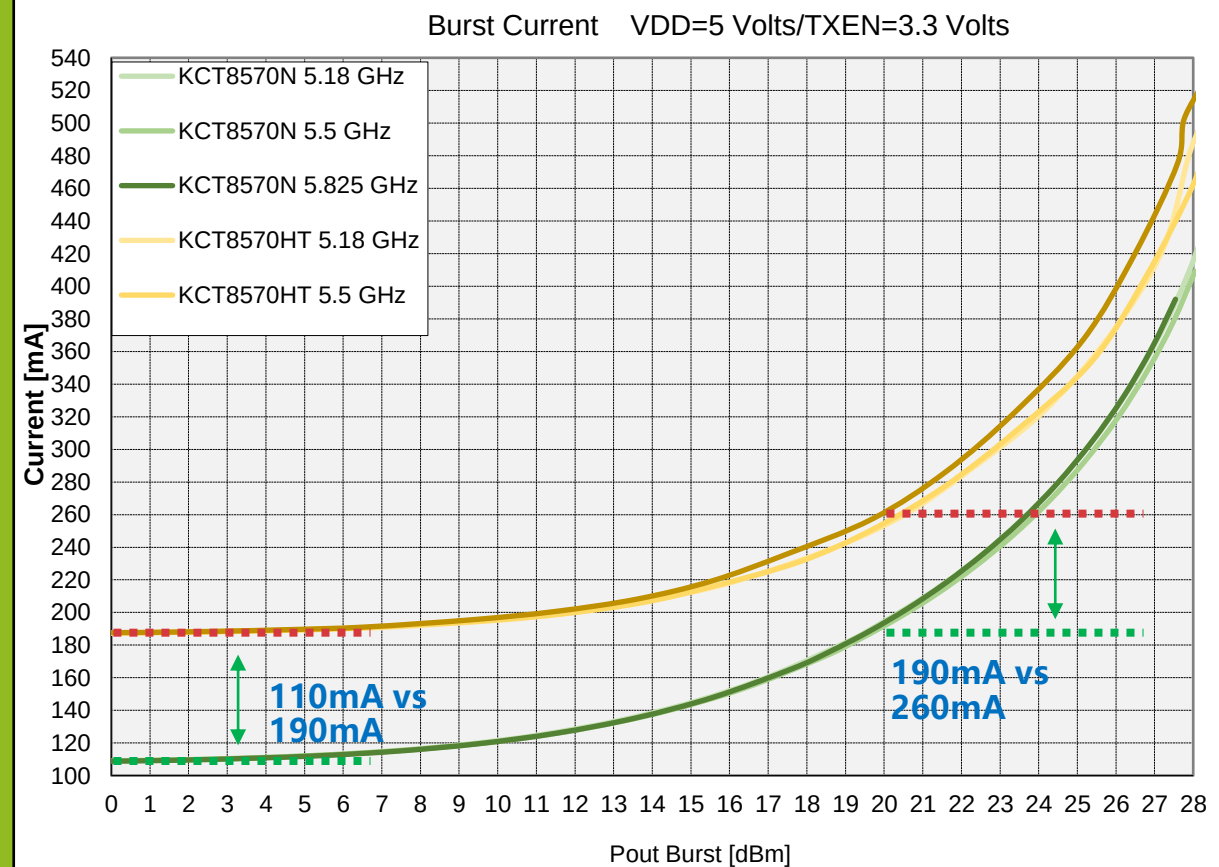
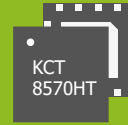
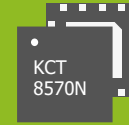


Wi-Fi 7 FEM vs Wi-Fi 6 FEM



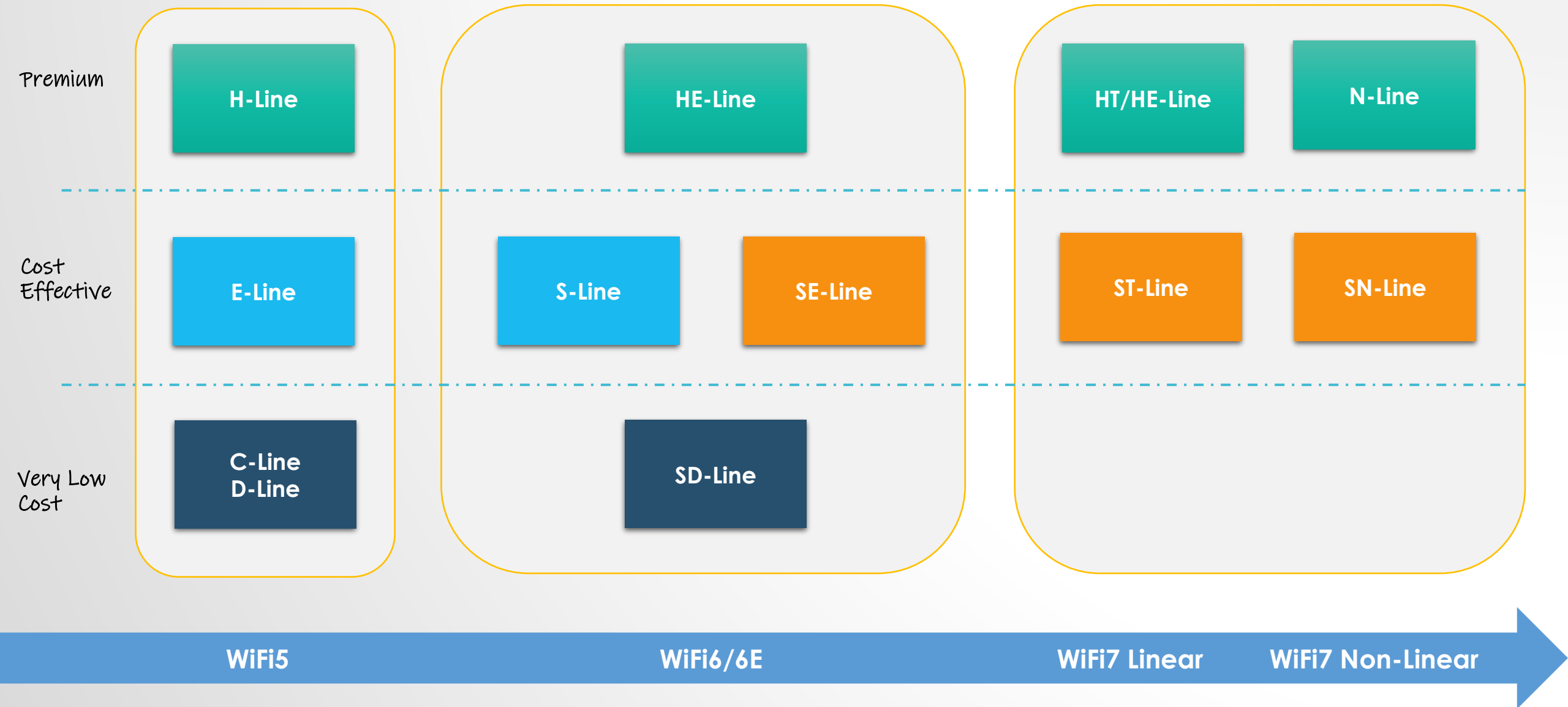
Power Consumption

Nonlinear vs Linear





Comprehensive Wi-Fi Product Portfolio



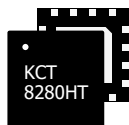


KXcomtech Wi-Fi 7 Linear Product Portfolio for Qualcomm

2.4GHz

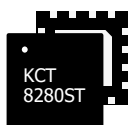
5.15-5.925GHz

5.9~7.125GHz



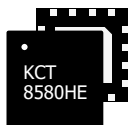
New!

LGA 3x3mm
21.5dBm EHT40 @-43dB
25.0dBm HT20 @-30dB
NF = 1.5dB



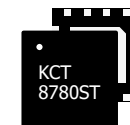
In Development

MIS 3x3mm
21.5dBm EHT40 @-43dB
25.0dBm HT20 @-30dB
NF = 1.8dB



New!

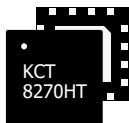
QFN 3x3mm
20.0dBm EHT160 @-43dB
25.5 dBm HT20 @-30dB
NF = 1.8dB



Planning

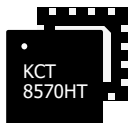
QFN 3mmx3mm
19.0dBm EHT320 @-43dB
25.5dBm HT20 @-30dB
NF = 1.9dB

5V
High Power
Linear FEM



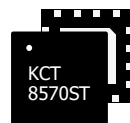
MP!

LGA 3x3mm
20.0dBm EHT40 @-43dB
24.0dBm HT20 @-30dB
NF = 1.4dB



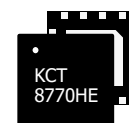
New!

QFN 3x3mm
20.0dBm EHT160 @-43dB
24.0dBm HT20 @-30dB
NF = 1.8dB



In Development

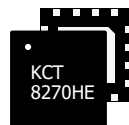
QFN 3x3mm
20.0dBm EHT160 @-43dB
24.0dBm HT20 @-30dB
NF = 2.1dB



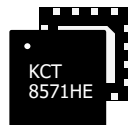
New!

QFN 3mmx3mm
15.0dBm EHT320 @-43dB
23.5dBm HT20 @-30dB
NF = 1.9dB

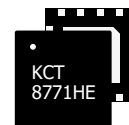
5V
Mid-High Power
Linear FEM



LGA 3x3mm, CPLR & Vdet
16dBm EHT40 @-43dB
20dBm HT20 @-30dB
NF = 1.5dB



QFN 3x3mm, CPLR & Vdet
16dBm EHT160 @-43dB
20dBm HT20 @-30dB
NF = 1.7dB



New!

QFN 3x3mm, CPLR & Vdet
13dBm EHT320 @-43dB
20dBm HT20 @-30dB
NF = 1.8dB

3.3V
Mid-High Power
Linear FEM

Qualcomm



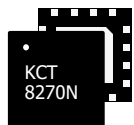
KXcomtech Wi-Fi 7 Non-Linear Product Portfolio for Qualcomm

2.4GHz

5.15-5.925GHz

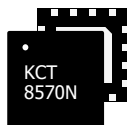
5.9~7.125GHz

Performance with DPD



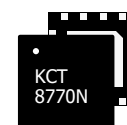
WIP

LGA 3mm*3mm, Vdet & CPLR
21.0dBm EHT40 @-43dB
24.5dBm HT20 @-30dB
NF = 1.5dB



revC
New!

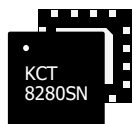
QFN 3mm*3mm, Vdet & CPLR
21.0dBm EHT160 @-43dB
24.5dBm HT20 @-30dB
NF = 1.8dB



WIP

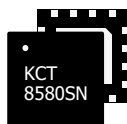
QFN 3mm*3mm, Vdet & CPLR
17.0dBm EHT320 @-43dB
24.5dBm HT20 @-30dB
NF = 1.9dB

Qualified on Qualcomm Waikiki



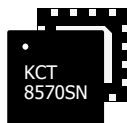
In
Development

LGA 3mm*3mm, Vdet & CPLR
22.0dBm EHT40 @-43dB
25.5dBm HT20 @-30dB
NF = 1.8dB



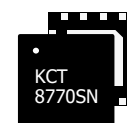
In
Development

QFN 3mm*3mm, Vdet & CPLR
22.0dBm EHT160 @-43dB
25.5dBm HT20 @-30dB
NF = 2.1dB



In
Development

QFN 3mm*3mm, Vdet & CPLR
21.0dBm EHT160 @-43dB
24.5dBm HT20 @-30dB
NF = 2.1dB



In
Development

QFN 3mm*3mm, Vdet & CPLR
17.0dBm EHT320 @-43dB
24.5dBm HT20 @-30dB
NF = 2.2dB

3.3~5V
Mid High Power
Non-Linear FEM

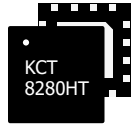
Cost-Effective
Non-Linear FEM

Qualcomm



KXcomtech Wi-Fi 7 Linear Product Portfolio for MTK

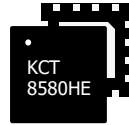
2.4GHz



MP!

LGA 3x3mm, Vdet & CPLR
21.5dBm/ EHT40 @-43dB
25dBm /HT20 @-30dB
NF = 1.5dB

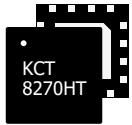
5.15-5.925GHz



MP!

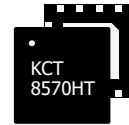
QFN 3x3mm, Vdet & CPLR
20dBm /EHT160 @-43dB
25.5dBm /HT20 @-30dB
NF = 1.8dB

5.9~7.125GHz



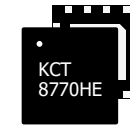
MP!

LGA 3x3mm
20.0dBm EHT40 @-43dB
24.0dBm HT20 @-30dB
NF = 1.4dB



New!

QFN 3x3mm
20.0dBm EHT160 @-43dB
24.0dBm HT20 @-30dB
NF = 1.8dB



MP!

QFN 3mmx3mm, Vdet & CPLR
15.5dBm EHT320 @-43dB
23.5dBm HT20 @-30dB
NF = 1.8dB



In
Development

MIS 3x3mm, Vdet & CPLR
21.5dBm EHT40 @-43dB
25.0dBm HT20 @-30dB
NF = 1.8dB



In
Development

QFN 3x3mm, Vdet & CPLR
20.0dBm EHT160 @-43dB
24.0dBm HT20 @-30dB
NF = 2.1dB

5V
High Power
Linear FEM

5V
Mid-High Power
Linear FEM

5V Low Cost
Linear FEM

MEDIATEK

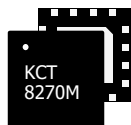


KXcomtech Wi-Fi 7 Non-Linear Product Portfolio for MTK

2.4GHz

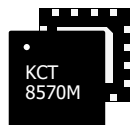
5.15-5.925GHz

5.9~7.125GHz



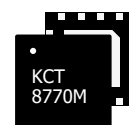
CS

LGA 3x3mm, Vdet & CPLR
21dBm EHT40 @-43dB wDPD
24.5dBm HT20 @-30dB wDPD
NF = 1.4dB



CS

QFN 3x3mm, Vdet & CPLR
21dBm EHT160 @-43dB wDPD
24.5dBm HT20 @-30dB wDPD
NF = 1.8dB



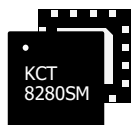
New!

QFN 3x3mm, Vdet & CPLR
17dBm EHT320 @-43dB wDPD
24.5dBm HT20 @-30dB wDPD
NF = 1.9dB

Qualified on MTK Eagle BE19000

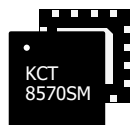
3.3~5V
Mid High Power
Non-Linear FEM

Performance with DPD



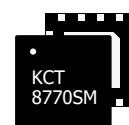
In Development

LGA 3x3mm, Vdet & CPLR
22dBm EHT40 @-43dB wDPD
25.5dBm HT20 @-30dB wDPD
NF = 1.8dB



In Development

QFN 3x3mm, Vdet & CPLR
21dBm EHT160 @-43dB wDPD
24.5dBm HT20 @-30dB wDPD
NF = 2.1dB



In Development

QFN 3x3mm, Vdet & CPLR
17dBm EHT320 @-43dB wDPD
24.5dBm HT20 @-30dB wDPD
NF = 2.2dB

Low Cost
Non-Linear FEM

MEDIATEK



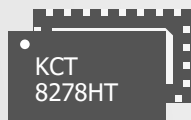
KXcomtech Wi-Fi 6/6E/7 Portfolio Broadcom

2.4GHz

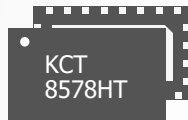
5.15-5.925GHz

5.9~6.45GHz

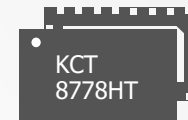
5.9~7.125GHz



LGA 3x5mm, CLPR & Vdet
22dBm EHT40 @-45dB
26dBm HT20 @-30dB
NF = 1.7dB

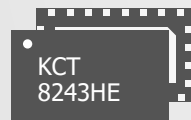


LGA 3x5mm, CLPR & Vdet
17.5dBm EHT160 @-45dB
25dBm VHT80 @-30dB
NF = 2.2dB

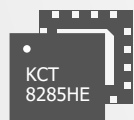


LGA 3x5mm, CLPR & Vdet
14.5dBm HE320 @-45dB
23dBm VHT80 @-30dB
NF = 2.3dB

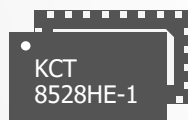
Wi-Fi 7



QFN 3x5mm, Vdet
21.5dBm HE40 @-43dB
26dBm HT20 @-30dB
NF = 1.5dB

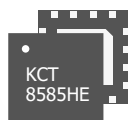


QFN 3x3mm, Vdet
22dBm HE40 @-43dB
25.5dBm HT20 @-30dB
NF = 1.5dB



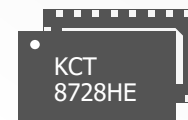
QFN 3x5mm, Vdet
19dBm HE160 @-43dB
25.5dBm HT20 @-30dB
NF = 1.8dB

New!



MIS 3x3mm, Vdet
19dBm HE160 @-43dB
25.5dBm HT20 @-30dB
NF = 1.7dB

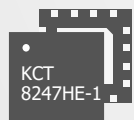
New!



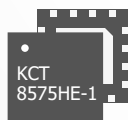
QFN 3x5mm, Vdet
15dBm EHT320 @-43dB
23.0dBm HT20 @-30dB
NF = 2.1dB

Wi-Fi 6

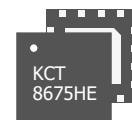
New!



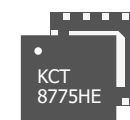
MIS 3x3mm, Vdet
20dBm HE40 @-43dB
24dBm HT20 @-30dB
NF = 1.5dB



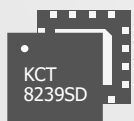
MIS 3x3mm, Vdet
19.5dBm HE160 @-43dB
24dBm HT20 @-30dB
NF = 1.7dB



MIS 3x3mm, Vdet
20.5dBm HE160 @-43dB
24dBm HT20 @-30dB
NF = 1.8dB

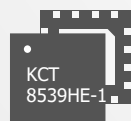


MIS 3x3mm, Vdet
15.5dBm EHT320 @-43dB
23.0dBm HT20 @-30dB
NF = 1.9dB



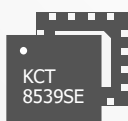
QFN 3x3mm, Vdet
20.5dBm HE40 @-43dB
24.5dBm HT20 @-30dB
NF = 2.5dB

New!



QFN 3x3mm, Vdet
20.5dBm HE160 @-43dB
24dBm HT20 @-30dB
NF = 1.9dB

New!



QFN 3x3mm, Vdet
20dBm HE160 @-43dB
24dBm HT20 @-30dB
NF = 2.1dB

Planning

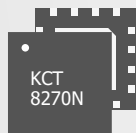
Wi-Fi 6
Cost-effective





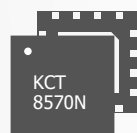
KXcomtech Wi-Fi 6/6E/7 DPD FEM for Qualcomm

2.4GHz



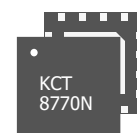
LGA 3x3mm, Vdet & CPLR
21dBm EHT40 @ -43dB wDPD
24.5dBm HT20 @ -30dB wDPD
NF = 1.4dB
Icq = 100mA
Icc = 230mA @ 23dBm

5.15-5.925GHz



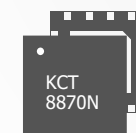
QFN 3x3mm, Vdet & CPLR
21dBm EHT160 @ -43dB wDPD
24.5dBm HT20 @ -30dB wDPD
NF = 1.8dB
Icq = 90mA
Icc = 245mA @ 23.5dBm

5.9~7.125GHz



QFN 3x3mm, Vdet & CPLR
17dBm EHT320 @ -43dB wDPD
24.5dBm HT20 @ -30dB wDPD
NF = 1.9dB
Icq = 100mA
Icc = 240mA @ 23.5dBm

5.15~7.125GHz



QFN 3x3mm, Vdet & CPLR
16dBm EHT160 @ -43dB wDPD
24.5dBm HT20 @ -30dB wDPD
NF = 1.9dB
Icq = 100mA
Icc = 240mA @ 23dBm

ES

Wi-Fi
6/6E/7

Kxcomtech DPD FEM solution has been verified on QCA platform
internal AVL ID AVL80-42048-6 / DP25-42522-100 / AVL80-54388-1

Qualcomm





KXcomtech other Wi-Fi FEM Products

Part No.	Frequency (GHz)	Vcc (V)	Protocol	TX Power@ -30dB(dBm)	TX Gain (dB)	RX Gain (dB)	RX NF (dB)	Package (mm)	P2P Part
KCT8534D	5.15 – 5.85	3.3	Wi-Fi 5 Cost-effective	19.5	30.5	14	3.2	QFN16L 2.5*2.5*0.55	CB5717
KCT8539HE	5.15 – 5.85	5	Wi-Fi 6	24	31	16.5	1.7	QFN16L 3*3*0.75	QPF4526 QPF4506B RTC7676E
KCT8531HE	5.15 – 5.85	5	Wi-Fi 6	24	31	16.5	1.7	QFN 16L 3*3*0.75	QPF4526 QPF4506B RTC7676E
New! KCT8531SD-1	5.15 – 5.85	5	Wi-Fi 6 Cost-effective	24	31	13.5	3.0	QFN 16L 3*3*0.75	QPF4526 QPF4506B RTC7676E
New! KCT8239SD	2.4 – 2.5	5	Wi-Fi 6 Cost-effective	24.5	30	15.5	2.5	QFN16L 3*3*0.55	SKY85337-11 QPF4206B RTC7646E
KCT8245SD	2.4 – 2.5	5	Wi-Fi 6 Cost-effective	24	31	15	2.5	QFN16L 2.5*2.5*0.55	QPF4211
KCT8226D-1	2.4 – 2.5	5	Wi-Fi 5	24	30	16.5	2.6	QFN16L 3*3*0.55	SKY85310-21 RTC7625H
KCT8227D-1	2.4 – 2.5	5	Wi-Fi 5	24	30.5	17	2.6	QFN16L 2.5*2.5*0.55	SKY85303-21 RTC7626HS
KCT8239HE	2.4 – 2.5	5	Wi-Fi 6	24.5	30.5	16	1.4	QFN16L 3*3*0.75	SKY85337-11 QPF4206B RTC7646E
KCT8774HE	5.9 - 7.1	3.3	Wi-Fi 6	19.5	30	13.5	1.9	QFN 16L 2.5*2.5*0.55	QPF4632



Reference Design and Applications



Main SOC Partners

Qualcomm

BROADCOM

ON
ON Semiconductor®

MAXLINEAR

MEDIATEK

 **REALTEK**


STMicroelectronics


紫光展锐
UNIGROUP SPREADTRUM & RDA

 **炬芯**
Actions

 **ALTOBEAM**

 **中感微**
GMICRO

 **BEKEN** 博通集成电路

 **TELINK**
SEMICONDUCTOR

 **Morse Micro**

 **BES**
恒 玄 科 技

 **ASR**

 **SENSCOMM**



Wi-Fi Reference Design– BCM, QCM

SoC Provider	Chipset	Power Class	Competitor PN	KCT Recommended Part
	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
	BCM494x8 + BCM43741 Wi-Fi 7	High	KCT8778HT / KCT8578HT / KCT8278N	Ongoing
	Cypress(IPQ80XX) Baseband Cobalt(QCN9XXX) 2GHz TRX Cobalt(QCN9XXX) 5GHz TRX	High	KCT8548HE / KCT8248HE	Officially Released 80-Y9005-10
	Wi-Fi 6E Non-Linear	Non-Linear	KCT8770N / KCT8570N / KCT8270N	Officially Released 80-42048-6
	Wi-Fi 7 New Platform	Linear	KCT8770HE / KCT8580HE / KCT8280HT	
	Wi-Fi 7 Alder+Waikiki	Non-Linear	KCT8770N / KCT8570N / KCT8270N	Officially Released DP25-42522-100
	Wi-Fi 7 Miami+Waikiki	Non-Linear	KCT8770N / KCT8570N / KCT8270N	Officially Released 80-45481-10
	Wi-Fi 7 Miami+Pebble	Non-Linear	KCT8770N / KCT8570N / KCT8270N	Ongoing



Wi-Fi Reference Design - Maxlinear / MTK / Realtek

SoC Provider	Chipset	Power Class	Reference Design PN	KCT Recommended Part
	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
	WiFi 7	Linear High	KCT8280HT/KCT8578HT/KCT8778HT	Evaluating
	WiFi 7	Linear Mid-High	KCT8270HT/KCT8570HT/KCT8770HE	Evaluating
	WiFi 7	Non-Linear	KCT8270N/KCT8578N/KCT8778N KCT8270N/KCT8570N/KCT8770N	Evaluating
	MT7996/MT7992 WiFi 7	Non-Linear	KCT8270M/KCT8570M/KCT8770M	DRL Officially Released
	MT7992 WiFi 7	Linear Mid-High	KCT8270HT/KCT8570HT	DRL Officially Released
	WiFi 7	Linear High	KCT8280HT/KCT8580HE	Evaluating
	SoC 4x4 8832A / 8852A (AX1800)	Mid-High	KCT8575HE	Officially Released
	8832C (AX3000)	Mid-High	KCT8239SD/KCT8539HE-1	Officially Released



Partners and Design-win Cases



Major Clients – ODM / OEM

ASUS[®]

NOKIA



ZTE中兴

Tenda

D-Link[®]
Building Networks for People

WNC
Wistron NeWeb Corp.

SERCOM

COMTREND

FOXCONN

MitraStar

ZYXEL

COMMSCOPE[®]

vantiva
Pushing the edge

ASKEY

Ruijie锐捷
Networks

Skyworth
创维

T&W

arcadyan



PEGATRON

amazon

SONY

天邑
TIANYI

CIGTech

HARMAN

vtech



Major Clients – Carriers





Wi-Fi6 FEM – Customer Cases

5G FEM: KCT8546QL

2.4G FEM: KCT8246QL



Fastweb NeXXt
QT7510X + QT6220X

5G FEM: KCT8546QL

2.4G FEM: KCT8246QL

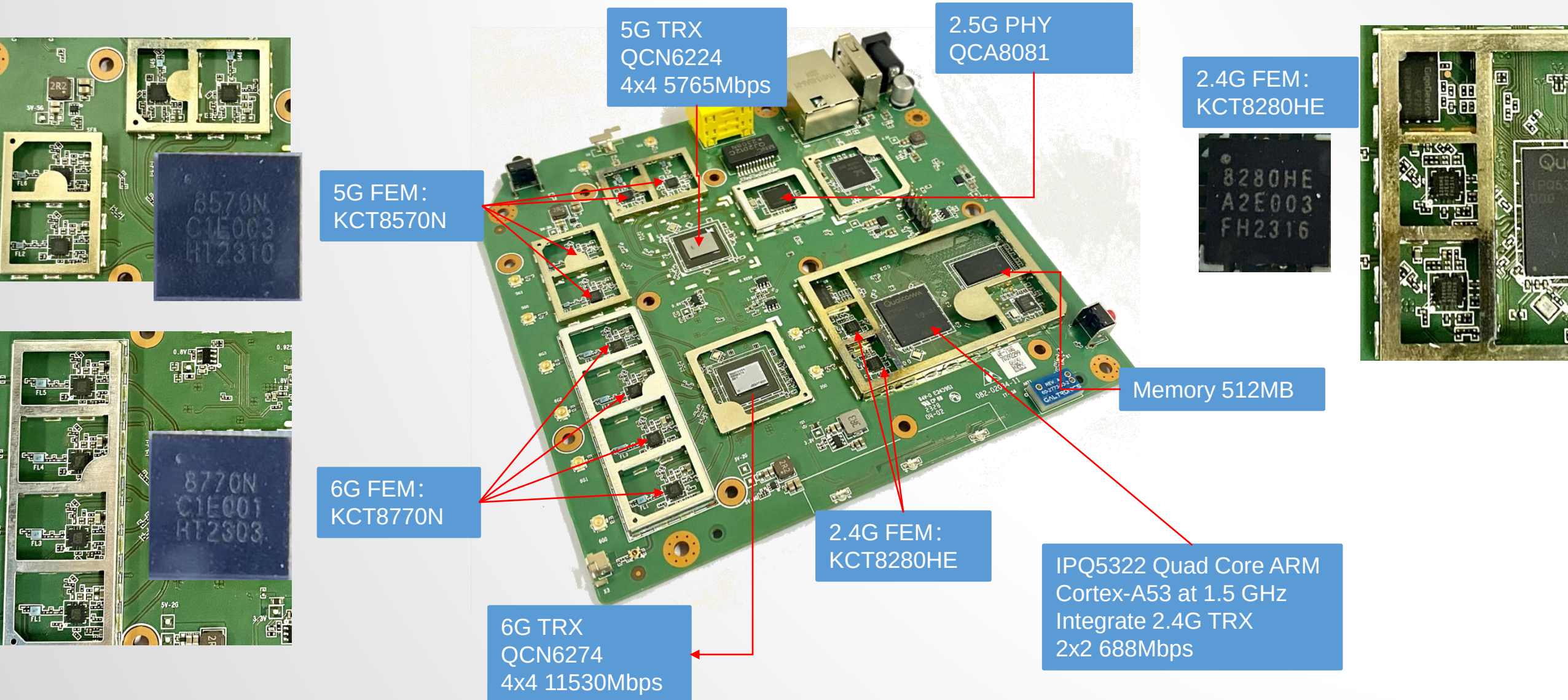


Movistar Smart Wi-Fi 6 Amplifier
QT10GU-AX



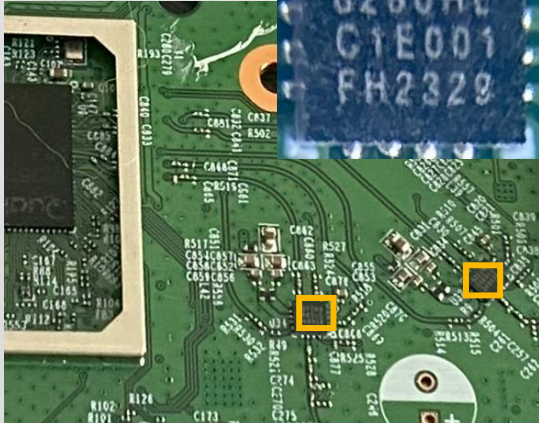
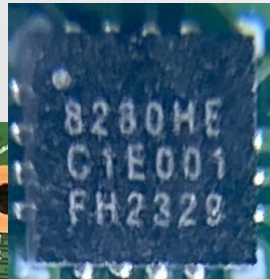
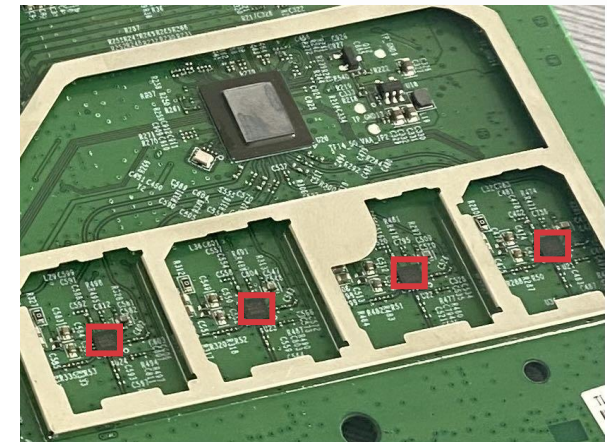
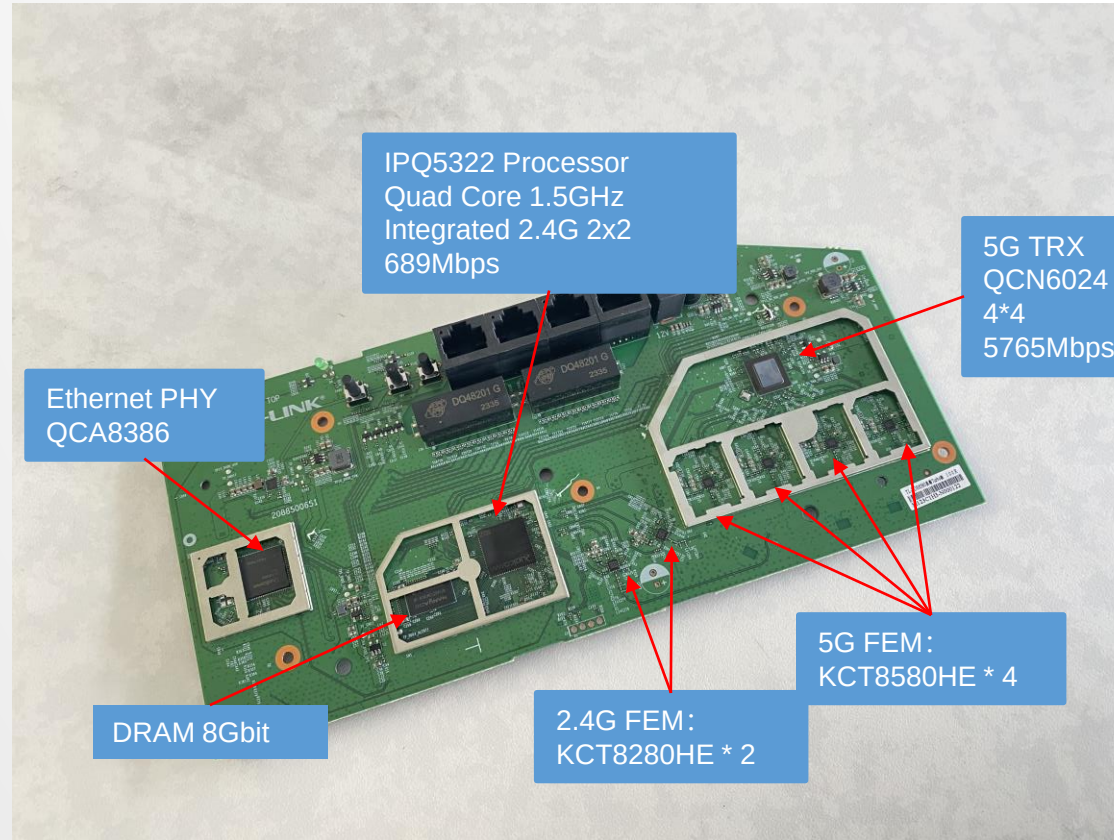
Wi-Fi 7 RF FEM – Customer Application Cases

CIG IPQ5322 + QCN6224 + QCN6274



Wi-Fi 7 RF FEM – Customer Application Cases

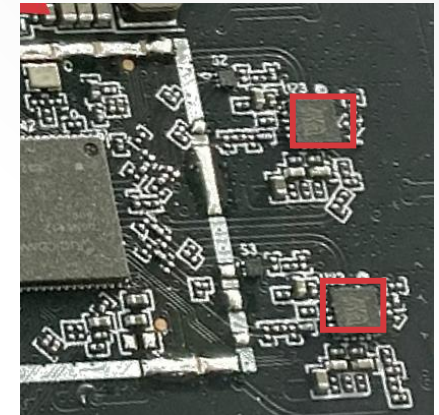
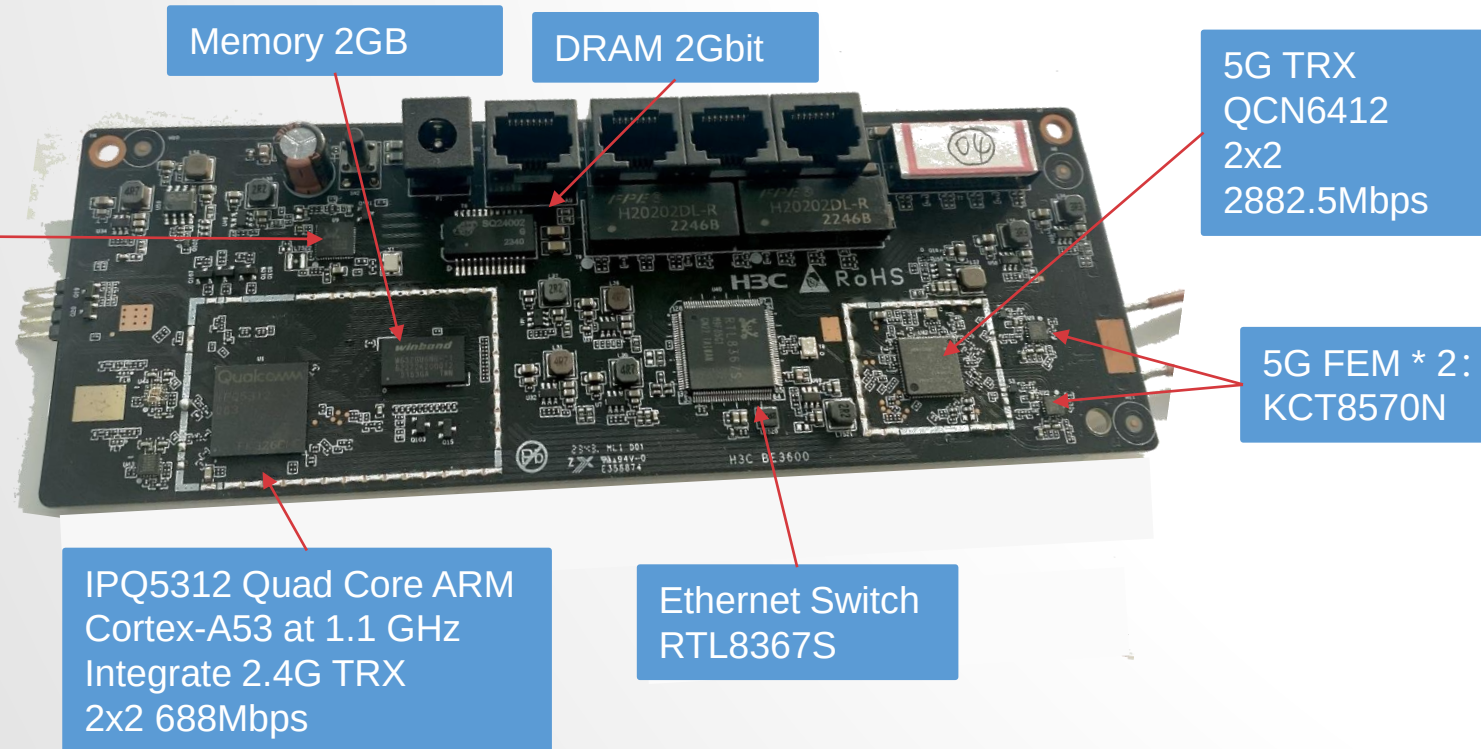
TP-LINK BE6500 IPQ5322 + QCN6024





Wi-Fi 7 RF FEM – Customer Application Cases

H3C IPQ5312 + QCN6412



Wi-Fi6 RF FEM – Customer Application Cases



H3C NX54 IPQ5018 + QCN9074

5G TRX
QCN9074
4x4 4804Mbps

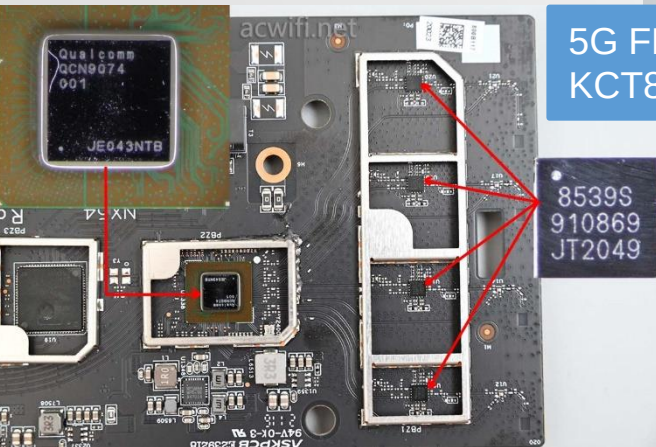
Ethernet Switch
QCA8337-AL3C

2.4G FEM:
KCT8239S

5G FEM:
KCT8539S-1

Memory 512MB

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

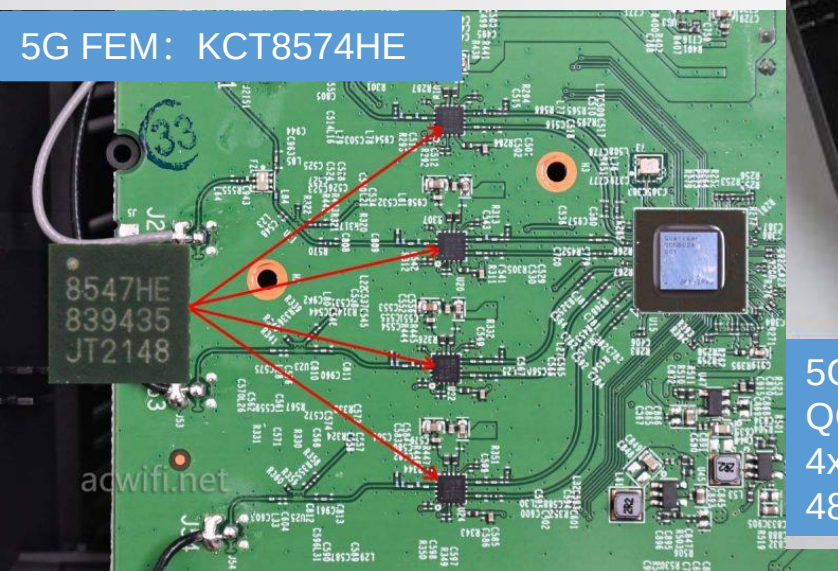
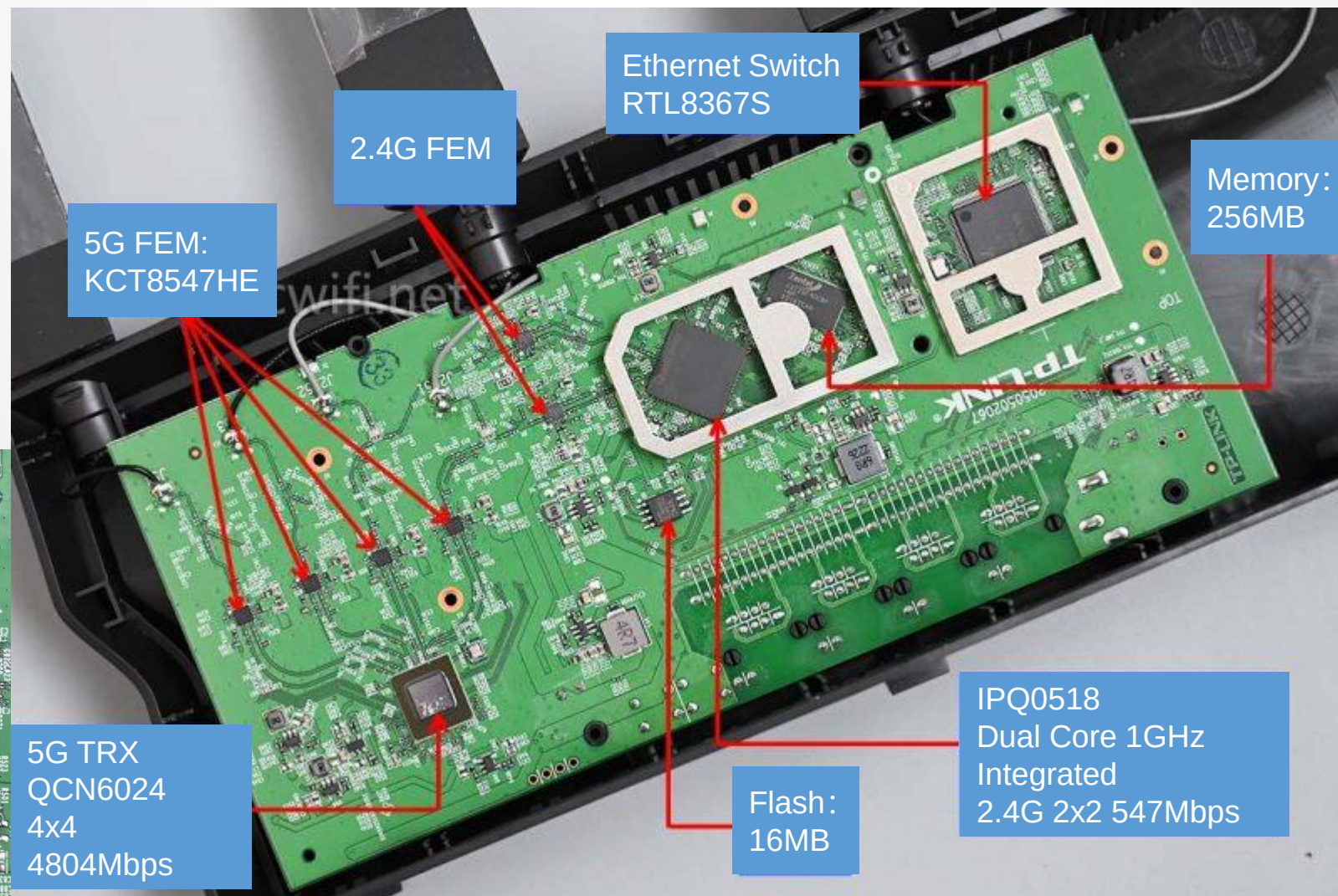




Wi-Fi6 RF FEM – Customer Application Cases



TP-Link XDR5400

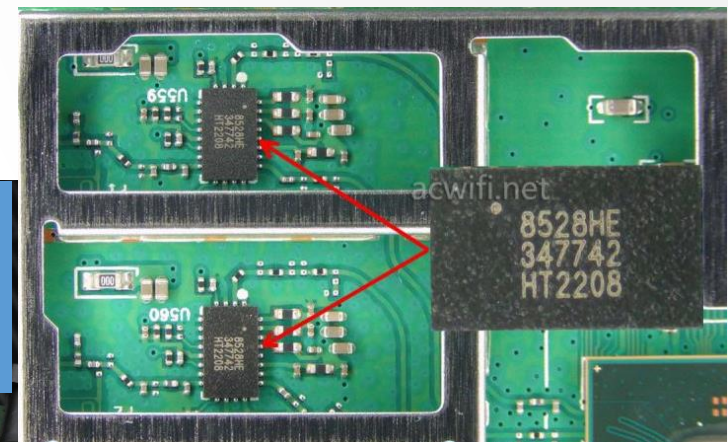
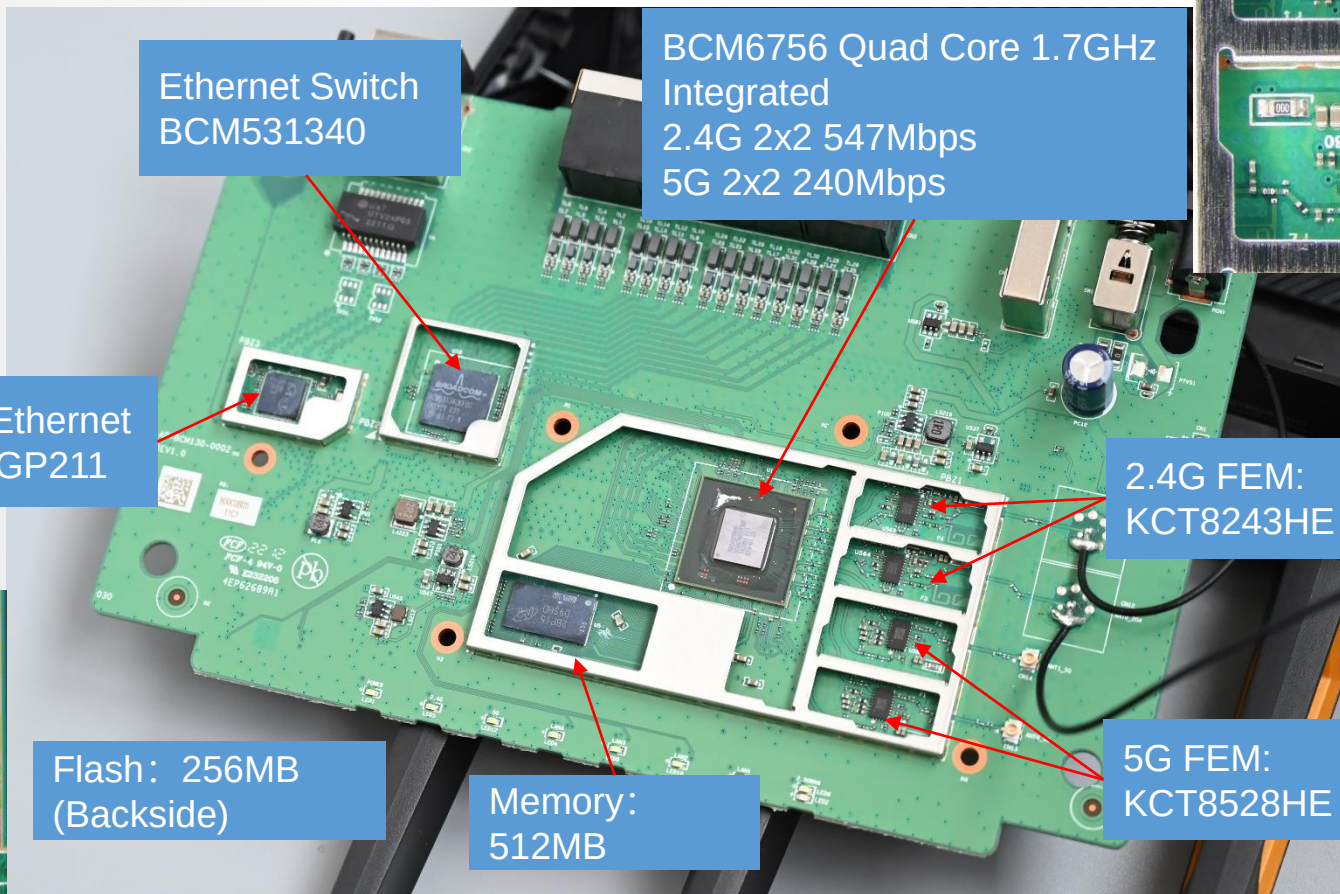




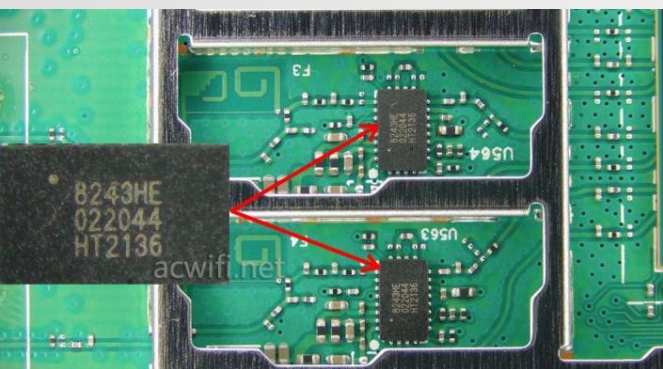
Wi-Fi6 RF FEM – Customer Application Cases



ASUS TUF AX3000 BCM6756



5G FEM: KCT8528HE



2.4G FEM: KCT8243HE



Wi-Fi6 RF FEM – Customer Application Cases

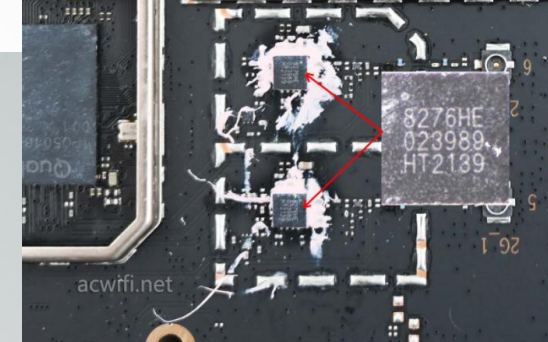


**GOOD DESIGN
AWARD 2021**



ZTE AX5400 IPQ5018 + QCN9024

2.4G FEM: KCT8276HE

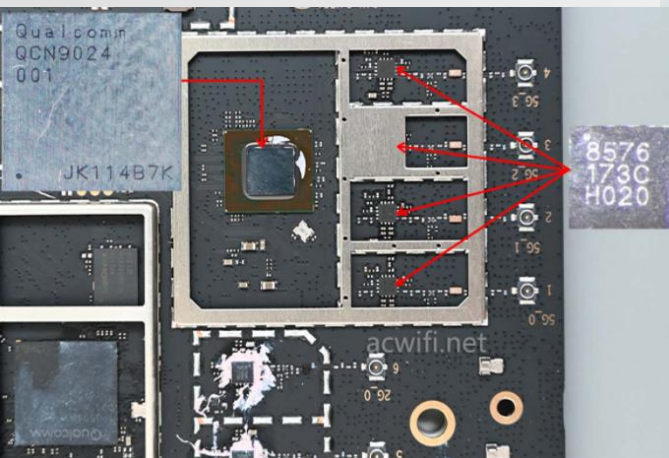


5G FEM:
KCT8576HE

2.4G FEM:
KCT8276HE

5G TRX
QCN9024
4x4 4804Mbps

5G FEM: KCT8576HE

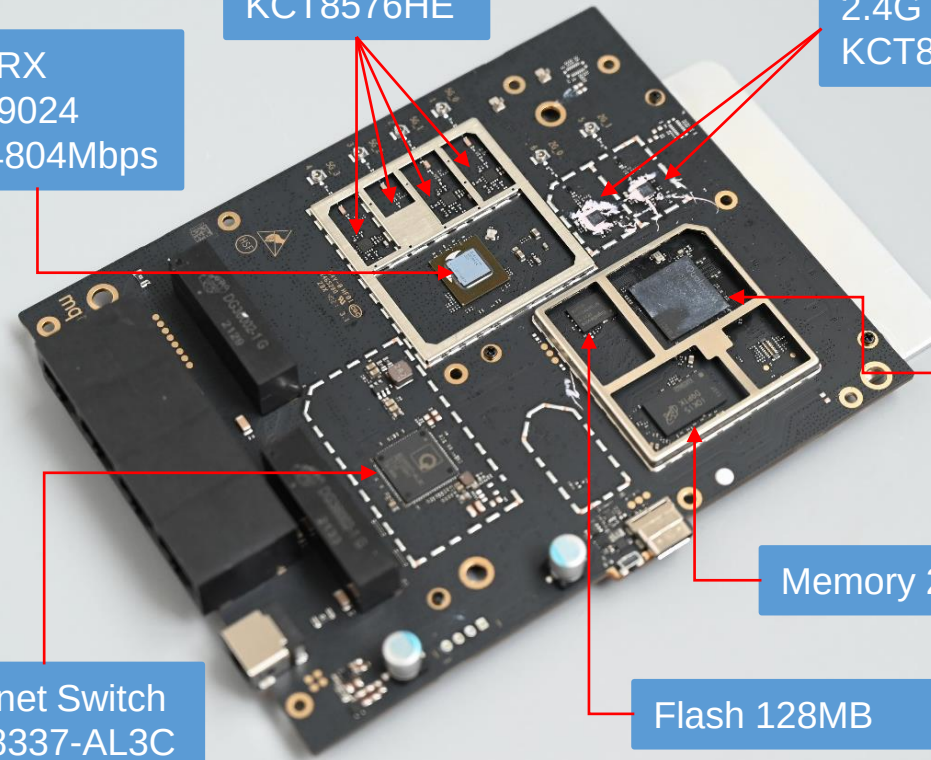


IPQ5018 Processor
Dual Core 1GHz
Integrate 2.4G TRX
2x2 574Mbps

Memory 256MB

Flash 128MB

Ethernet Switch
QCA8337-AL3C

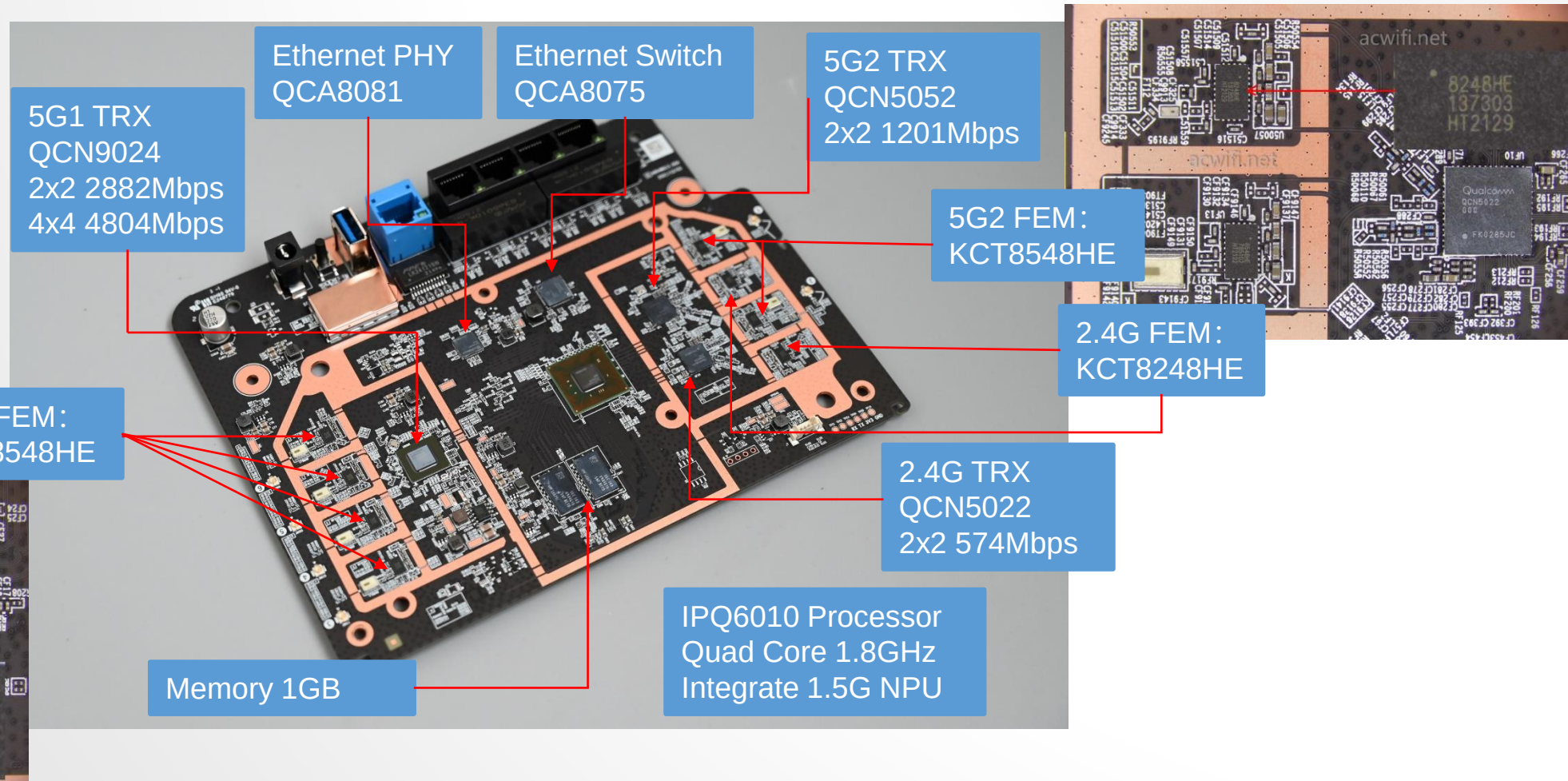




Wi-Fi6 RF FEM – Customer Application Cases

JD Cloud AX6600

IPQ6010 + QCN9024 + QCN5052 + QCN5022

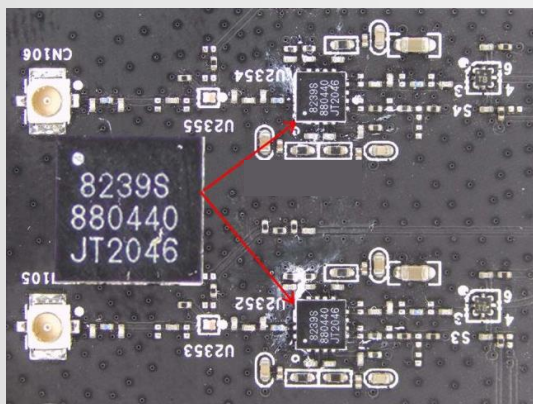




Wi-Fi6 RF FEM – Customer Application Cases

H3C NX15000 IPQ5018 + QCN9074

2.4G FEM: KCT8239S



2.4G FEM KCT8239S

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

Ethernet Switch
QCA8337-AL3C

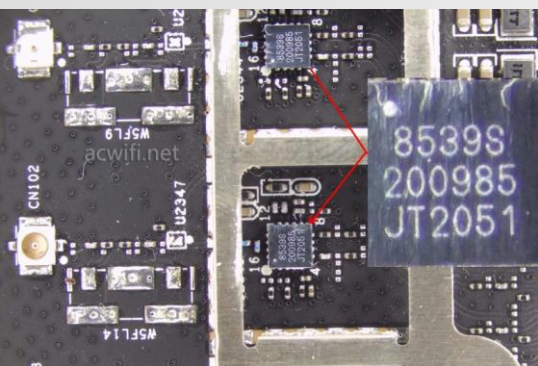
2.5G PHY
QCA8081

5G2 TRX
QCN9074
4x4 4804Mbps

Memory 512MB

Flash 128MB
(Backside)

5G FEM: KCT8539S



5G FEM:
KCT8539S-1

5G FEM:
KCT8539S-1

5G TRX
QCN9074
4x4 4804Mbps

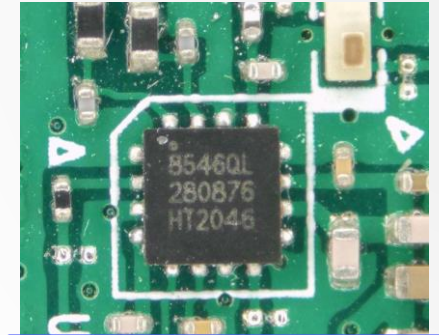




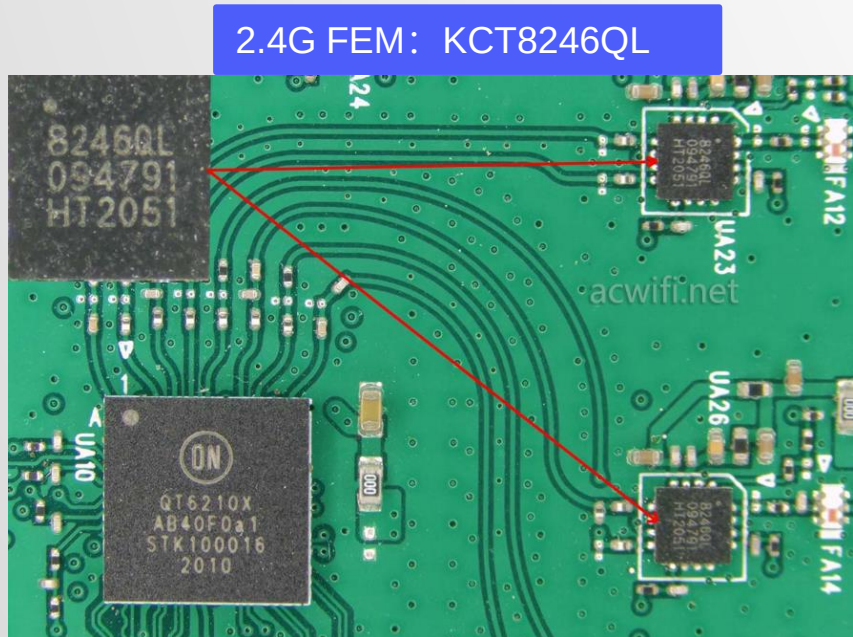
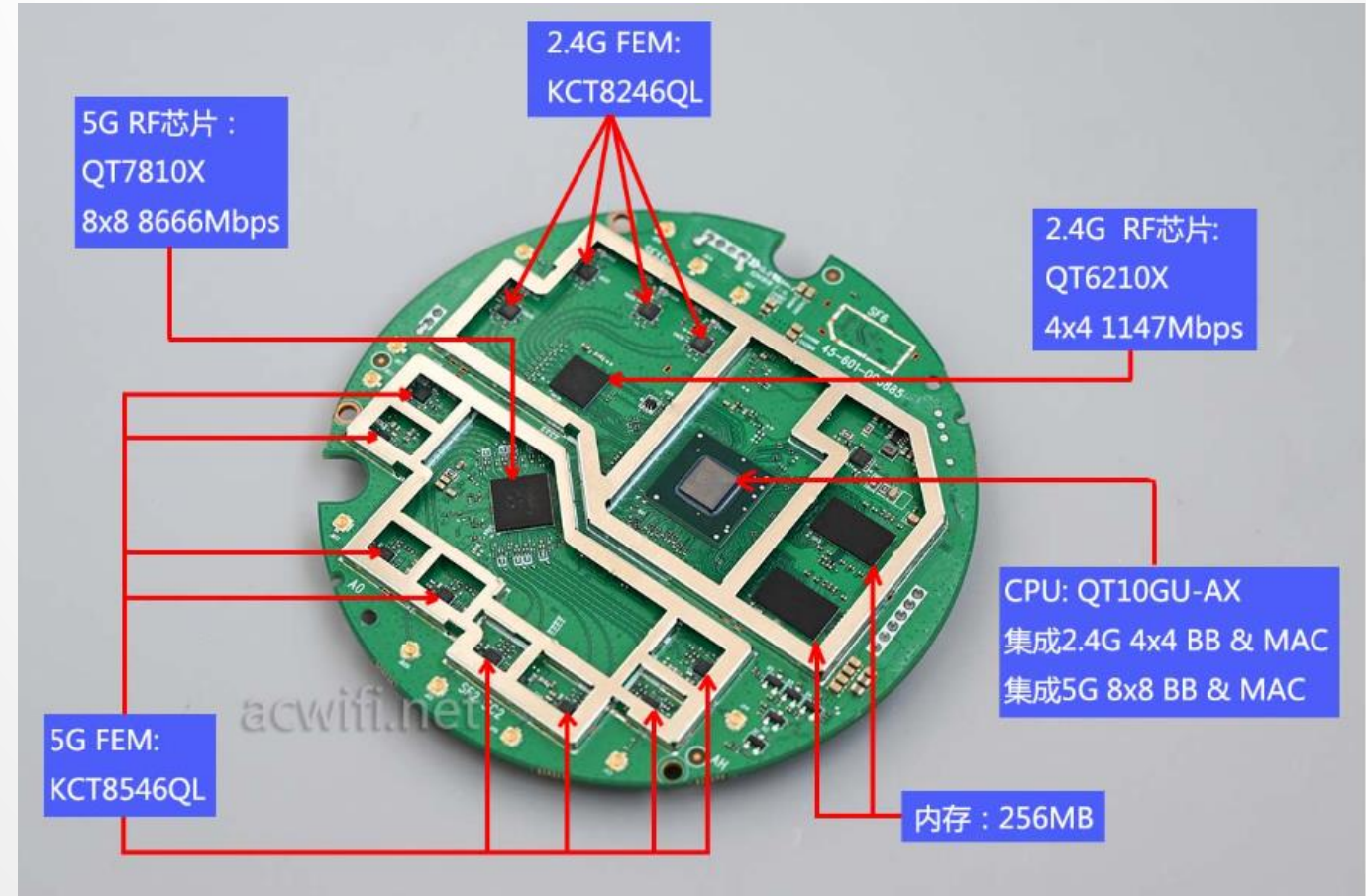
Wi-Fi6 RF FEM – Customer Application Cases



Movistar HGW-500IX4X8-Q v5
QT10GU-AX + QT6210X + QT7810X



5G FEM: KCT8546QL





Wi-Fi6 RF FEM – Customer Application Cases



Tenda AX3000

BCM6756

CPU: BCM6756
Quad Core 1.7GHz
Integrated 2.4G 2*2 574Mbps
Integrated 5G 2*2 2402Mbps

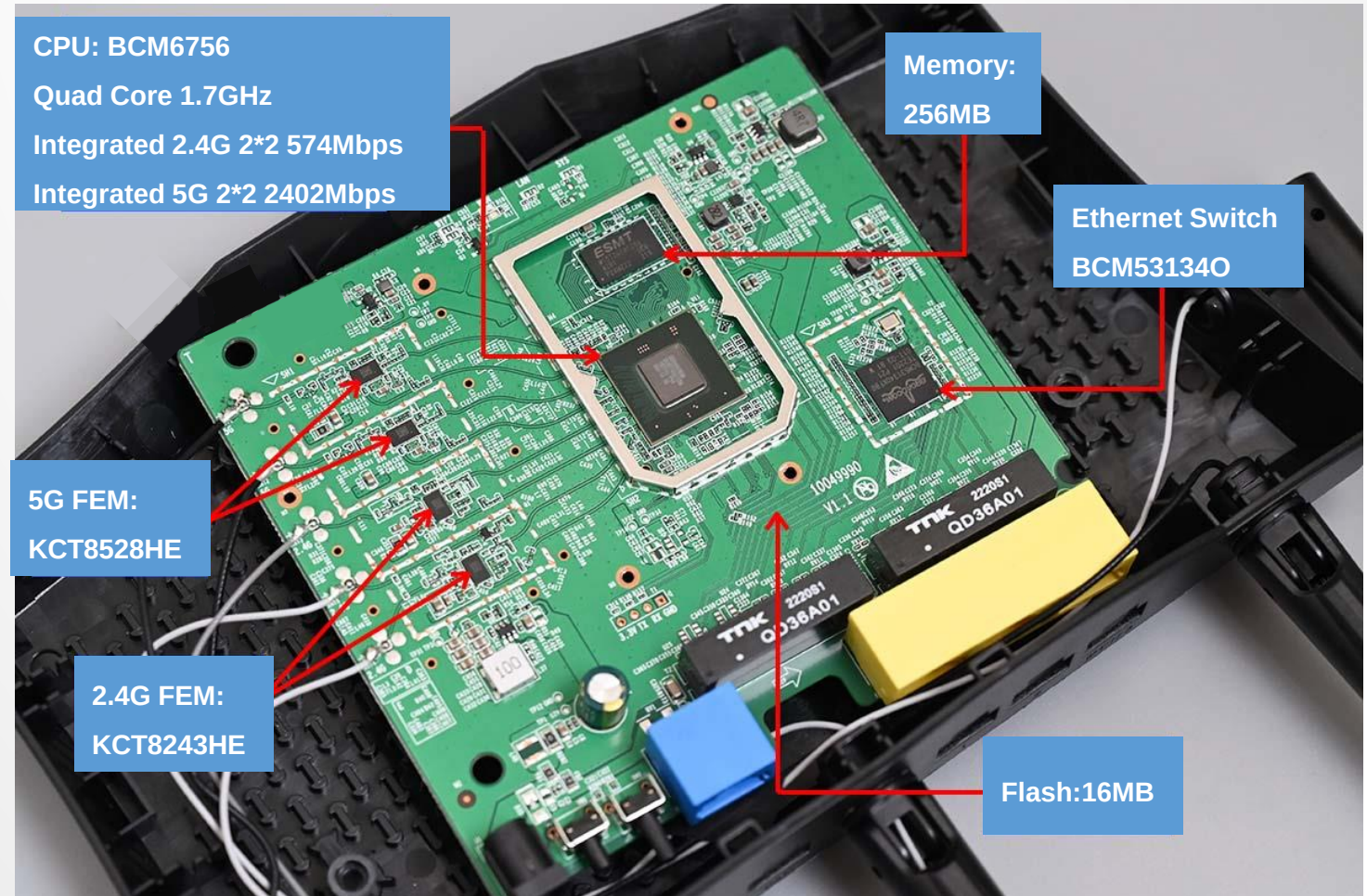
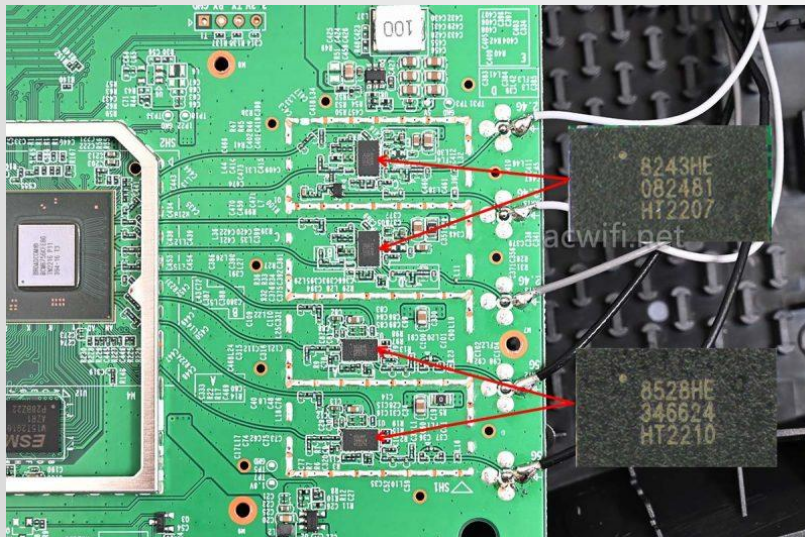
Memory:
256MB

Ethernet Switch
BCM53134O

5G FEM:
KCT8528HE

2.4G FEM:
KCT8243HE

Flash:16MB



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	KCT8572S, KCT8247HE-1 KCT8576HE, KCT8276HE
	Wi-Fi 6 AP Router		AX6600	KCT8248HE, KCT8548HE
	Wi-Fi 6 Gateway /AP		Smart Wi-Fi6 Amplifier	KCT8246QL, KCT8546QL
	Wi-Fi 6 AP Router		DIR-X1870	KCT8547HE-1
	Wi-Fi 6 AP Router		RT-AX56 V2	KCT8539S, KCT8239S KCT8528HE, KCT8243HE
	Wi-Fi 6 AP		TUF-AX3000	
	Wi-Fi 6 AP Router		NX54	
			NX30	
			NX15000	KCT8539S, KCT8539S-1, KCT8239S



Leading RF Technologies, Bridging Wireless Communication

Thank You



WEB: <http://www.kxcomtech.com/>

Copyright 2018 Kangxi Communication Technologies (shanghai) Co., Ltd. All Rights Reserved..

Address: 5th Floor, Building 10 No.399 Keyuan Road, Pudong New Area, Shanghai.

TEL: 021-68386910

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