

Wi-Fi 7 Router

MI-PI \ KONGEL



Reported
FAE Dept.

Date
Mar. 17th 2023

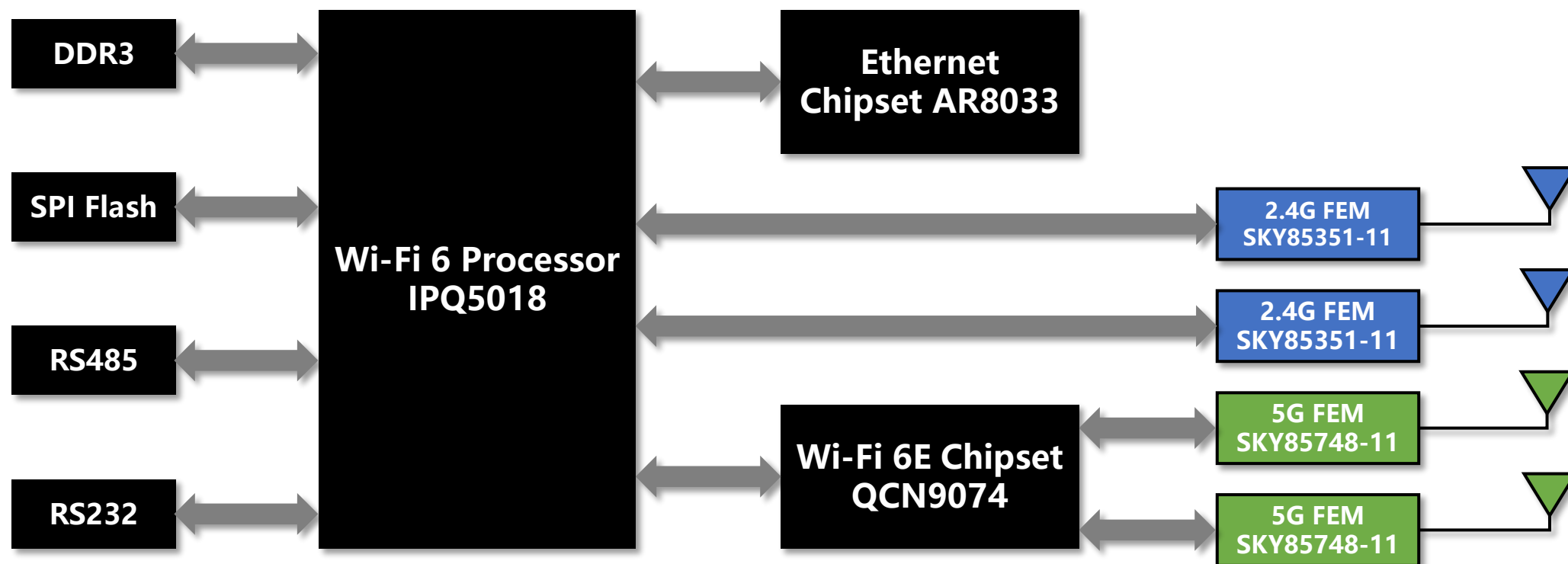


- **Wi-Fi AP System Diagram**
- **RF Applications**
- **RF Comparison Table**
- **Wi-Fi 7 Power Tree**
- **Marketing Trend**



Wi-Fi AP System Diagram

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SPDT

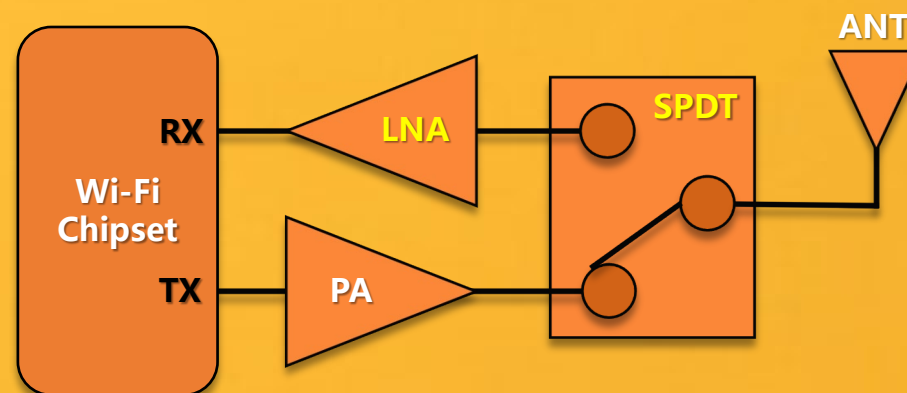
NJG1818K75, NJG1801K75,
NJG1669MD7

LNA

NJG1182UX2, NJG1175KG1
NJG1148MD7

FEM (SPDT+LNA)

NJG1739K51, NJG1730MD7



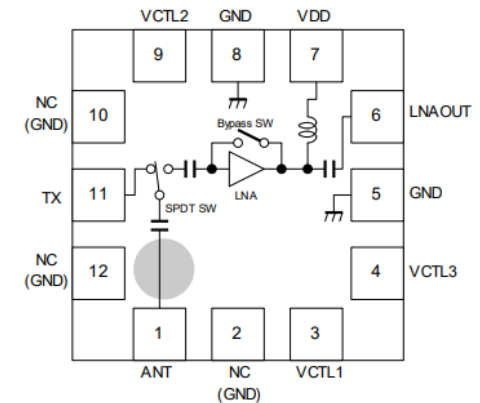
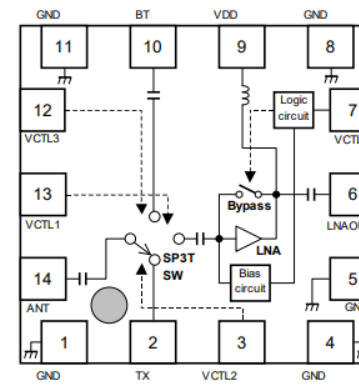
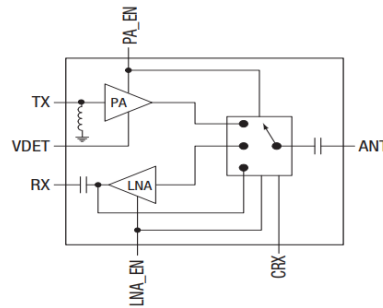
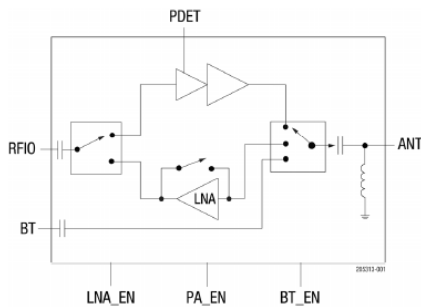


RF Comparison Table

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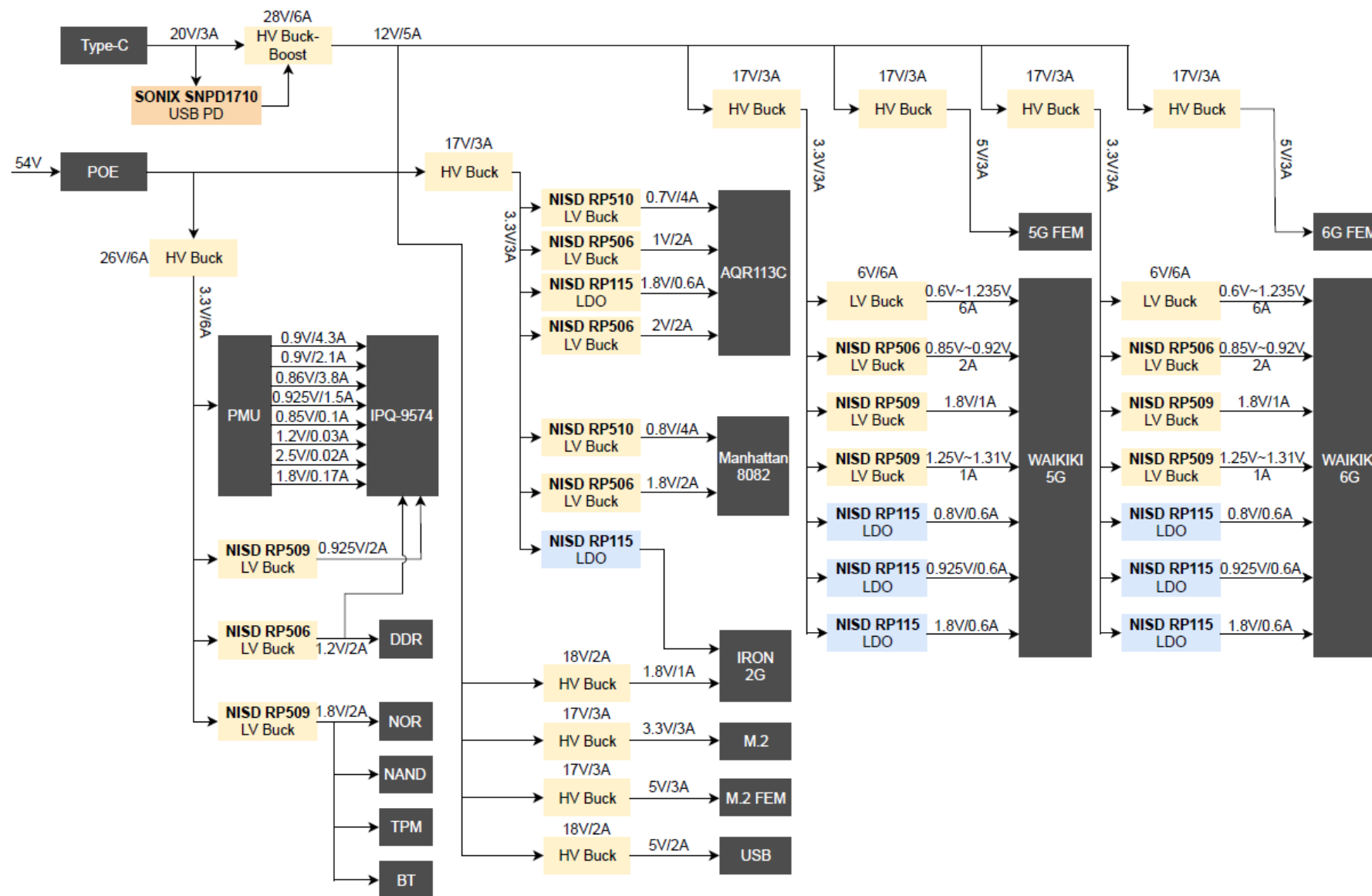
	SKYWORKS SKY85351-11	SKYWORKS SKY85478-11	NISD NJG1730MD7	NISD NJG1739K51
<i>Function</i>	PA + SP3T + LNA	PA + SPDT + LNA	SP3T + LNA	SPDT + LNA
<i>Band</i>	2.4 GHz	5 GHz	2.4 GHz	5 GHz
<i>Performance</i>	TX Gain: 29 dB RX Gain: 13.5 dB	TX Gain: 32 dB RX Gain: 13 dB	TX Gain: N/A RX Gain: 15 dB	TX Gain: N/A RX Gain: 12 dB

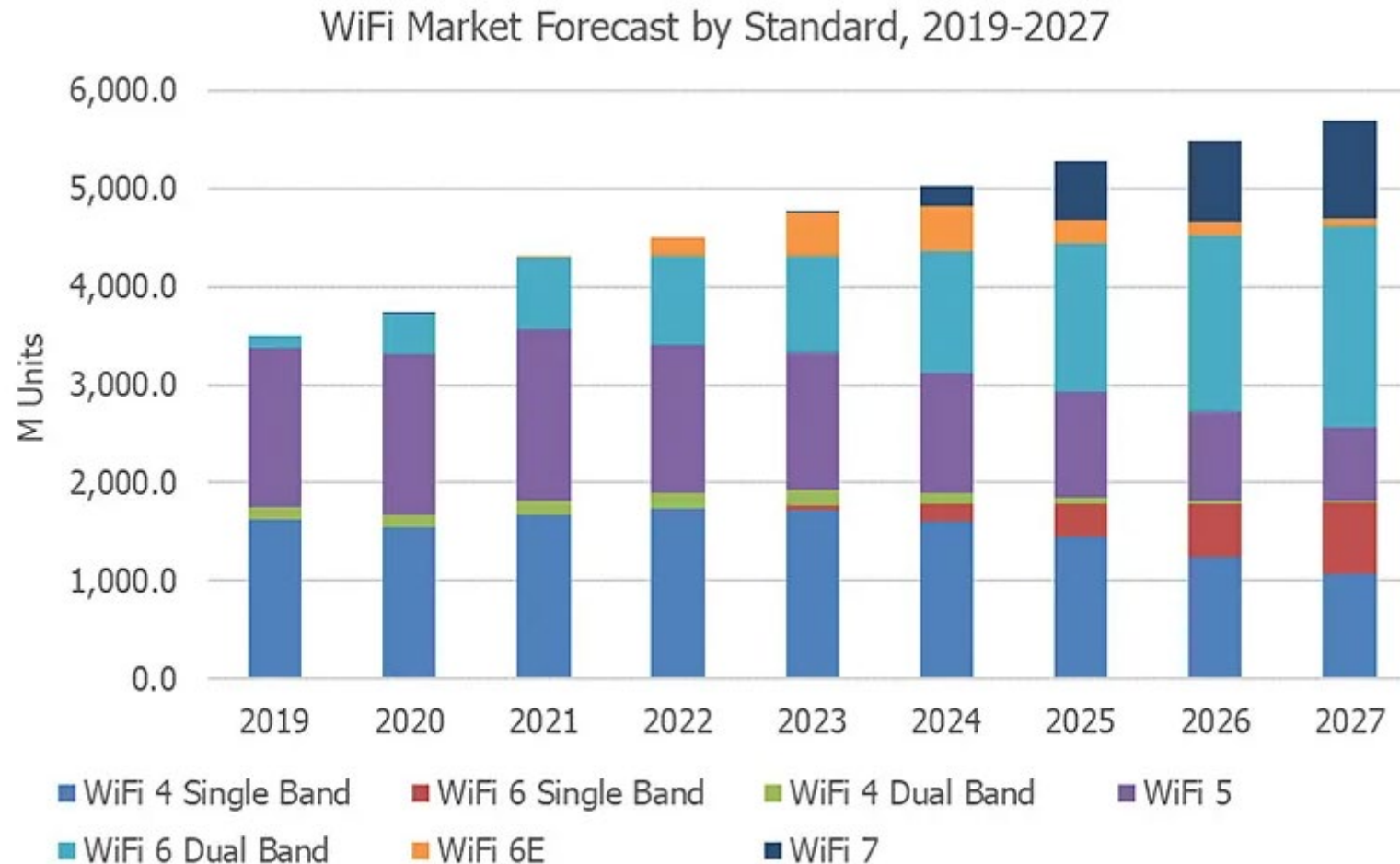
Block Diagram





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Wi-Fi 6 Dual Band is going to be the mainstream in these years!



Thank You!

