

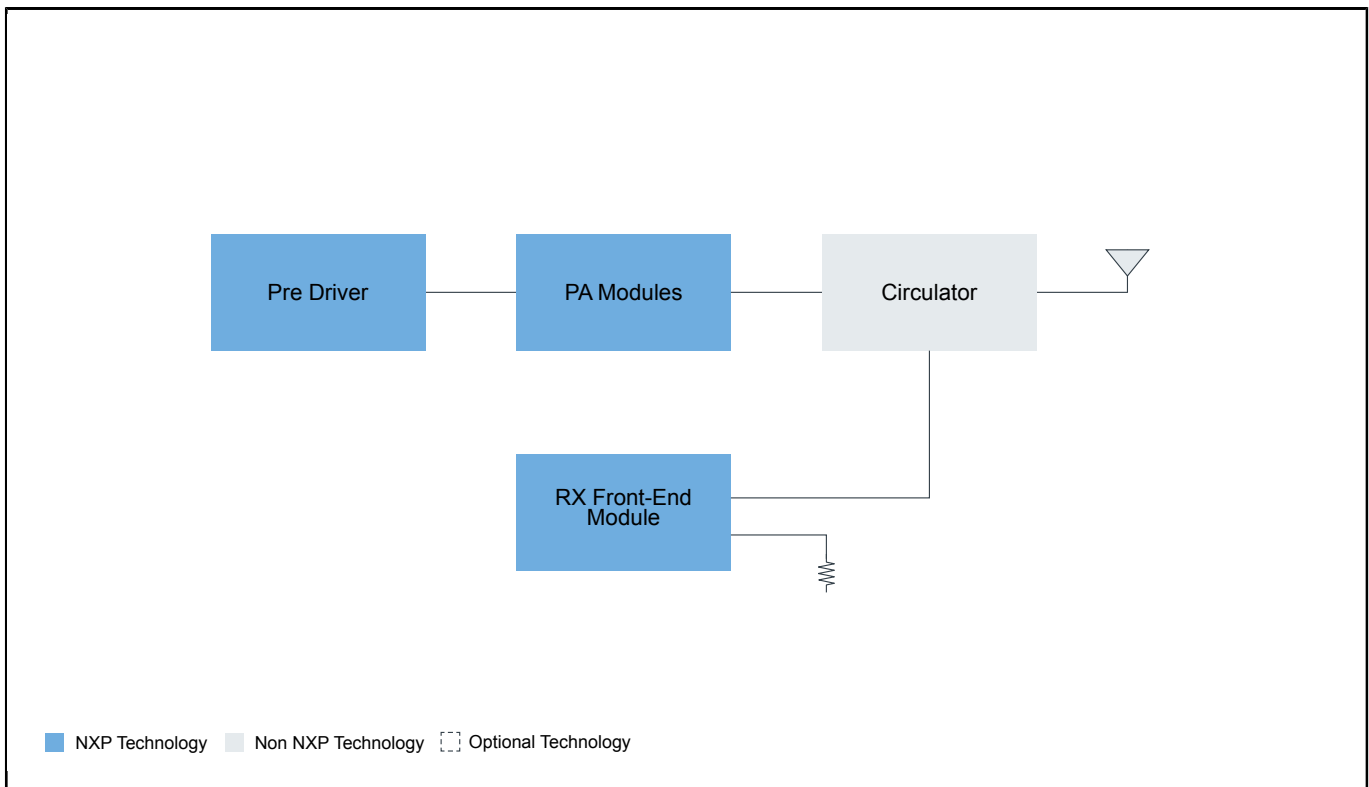


5G Massive MIMO

Last Updated: Feb 26, 2025

Advanced receive and transmit solutions are the foundation of all wireless communication systems. Massive MIMO systems are expanding for base station design. 5G systems are operating at much higher frequencies than previous cellular network generations. These systems must be more efficient, highly integrated, and smaller, while simultaneously achieving greater capability in virtually every benchmark of performance.

RF Hardware for 5G Massive MIMO Base Transceiver Stations Block Diagram



Recommended Products for RF Hardware for 5G Massive MIMO Base Transceiver Stations

Pre-Drivers	<ul style="list-style-type: none">• AFLP5G25641: 2300-2700 MHz, 32 dB, 29 dBm Airfast® Pre-driver Module• AFLP5G35645: 3400-3800 MHz, 32 dB, 29 dBm Airfast® Pre-driver Module• BTS6201U: 5G Massive MIMO Pre-driver• BTS6302U: 5G Massive MIMO Pre-driver
PAM	<ul style="list-style-type: none">• 5G Integrated Solutions: 5G Integrated Solutions

Receiver	<ul style="list-style-type: none"> • AFRX5G272: 2300-2690 MHz, 33 dB, 1.2 dB NF Airfast® RX Module • AFRX5G372: 3300-5000 MHz, 34 dB, 1.4 dB NF Airfast® RX Module • BTS7203H: 2.3 GHz-2.7 GHz RX Analog Front-end IC • BTS7203U: 3.3 GHz-4.2 GHz RX Analog Front-end IC • BTS7205H: 2.3 GHz-2.7 GHz RX Analog Front-end IC with Bypass • BTS7205U: 3.3 GHz-4.2 GHz RX Analog Front-end IC with Bypass
----------	--

View our complete solution for [5G Massive MIMO](#).

Note: The information on this document is subject to change without notice.

www.nxp.com

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2025 NXP B.V.