Transceiver (Simplified)

Part numbers link to product information

Antenna (Rx) -> Limiter -> Low Noise Amplifier -> Synthesized Local Oscillator -> Downmixer -> I/Q Demodulator

I/Q Demodulator -> Digital Baseband Out

Digital Baseband In -> I/Q Modulator

I/Q Modulator -> "I" DAC

"I" DAC -> Digital Baseband Out

Antenna (Tx) -> High Power Amplifier -> Level Control -> Upmixer

Upmixer -> "Q" DAC

"Q" DAC -> Digital Baseband Out