

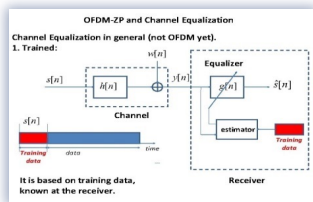
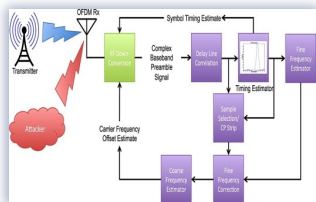


**Connect
Vehicles
to Everything**

5G-NR-V2X

5G-NR-V2X Core IP Developments

Development of High-performance DSP IP for 5G-NR-V2X Sidelink Standard V2X Communication Modem



- ✓ Core communication signal processing IP supporting multi-standards with ultra-low-latency and high-speed for 5G-NR-V2X sidelink modem
- ✓ Synchronization module IP with FFT/IFFT supporting multi-standards
- ✓ OFDM channel equalizer module IP supporting multi-modulation-schemes
- ✓ MIMO decoder IP supporting multi-standards
- ✓ LDPC/polar code IP supporting hard/ soft-decision schemes with low-latency, high-speed and modulation

