



# Acronyms

<b>3GPP</b>	Third-Generation Partnership Project
<b>5GC</b>	5G Core
<b>5QI</b>	5G QoS Identifier
<b>ACIA</b>	Alliance for Connected Industries and Automation
<b>ACL</b>	Access Control Lists
<b>ACLR</b>	Adjacent Channel Leakage Ratio
<b>ACPR</b>	Adjacent Channel Power Ratio
<b>ADAS</b>	Advanced Driver-Assistance Systems
<b>ADC</b>	Analog to Digital Converter
<b>AGC</b>	Automatic Gain Control
<b>AM</b>	Acknowledged Mode
<b>AMF</b>	Access and Mobility Management Function
<b>APD</b>	Analog Pre Distortion
<b>API</b>	Application Programming Interface
<b>ARP</b>	Allocation and Retention Priority
<b>ARPU</b>	Average Revenue Per Unit
<b>ARQ</b>	Automatic Repeat Request
<b>ASIC</b>	Application Specific Integrated Circuit
<b>ASN1</b>	Abstract Syntax Notation 1
<b>ATM</b>	Asynchronous Transfer Mode
<b>AWGN</b>	Additive White Gaussian Noise
<b>AxC</b>	Antenna Container
<b>BCCH</b>	Broadcast Control Channel
<b>BCH</b>	Broadcast Channel
<b>BE</b>	Best Effort
<b>BER</b>	Bit Error Rate
<b>BFWA</b>	Broadband Fixed Wireless Access
<b>BLER</b>	Block Error Rate
<b>BPSK</b>	Binary Phase-Shift Keying
<b>BD</b>	Buffer Descriptor
<b>BE</b>	Best Effort
<b>BS</b>	Base Station
<b>BWP</b>	Bandwidth Partitioning
<b>CB</b>	Code Block
<b>CCH</b>	Common Control Channel
<b>CF</b>	Crest Factor
<b>CFR</b>	Crest Factor Reduction
<b>C-ITS</b>	Cooperative Intelligent Transport Systems
<b>CLI</b>	Command Line Interface
<b>CoMP</b>	Cooperative Multipoint
<b>COTS</b>	Commercial Off-The-Shelf
<b>CP</b>	Control Plane
<b>CPI</b>	Certified Professional Installer

<b>CPU</b>	Central Processing Unit
<b>CPRI</b>	Common Public Radio Interface
<b>CRC</b>	Cyclic Redundancy Check
<b>CSR</b>	Cell Site Router
<b>CU</b>	Central Unit
<b>D2D</b>	Device to Device
<b>DAC</b>	Digital to Analog Converter
<b>DAS</b>	Distributed Antenna System
<b>dB</b>	Decibel
<b>DC</b>	Dual Connectivity
<b>DCCH</b>	Dedicated Control Channel
<b>DCI</b>	Downlink Control Information
<b>DDC</b>	Digital Down Conversion
<b>DDR</b>	Double Data Rate
<b>DFE</b>	Digital Front End
<b>DFT</b>	Discrete Fourier Transform
<b>DL</b>	Downlink
<b>DLSCH</b>	Downlink Shared Channel
<b>DMRS</b>	Demodulation Reference Signal
<b>DPD</b>	Digital Pre Distortion
<b>DPDK</b>	Data Plane Development Kit
<b>DRB</b>	Data Radio Bearer
<b>DRX</b>	Discontinuous Reception
<b>DSP</b>	Digital Signal Processing
<b>DSS</b>	Dynamic Spectrum Sharing
<b>DTCH</b>	Dedicated Transport Channel
<b>DTX</b>	Discontinuous Transmission
<b>DU</b>	Distributed Unit
<b>DUC</b>	Digital Up Conversion
<b>DUT</b>	Device Under Test
<b>DVFS</b>	Dynamic Voltage and Frequency Scaling
<b>EBI</b>	EPS Bearer ID
<b>eCPRI</b>	Enhanced Common Public Radio Interface
<b>EIRP</b>	Effective Isotropic Radiated Power
<b>EMC</b>	Electromagnetic Compatibility
<b>eNB</b>	Evolved NodeB or 4G Base Station
<b>EPC</b>	Enhanced Packet Core
<b>eSIM</b>	Electronic Subscriber Identity Module
<b>EMBB</b>	Enhanced Mobile Broadband
<b>ESMC</b>	Ethernet Synchronization Messaging Channel
<b>FAPI</b>	Femto API (Application Programming Interface)
<b>FCC</b>	Federal Communications Commission
<b>FEM</b>	Front End Module
<b>FDD</b>	Frequency Division Duplexing
<b>FFT</b>	Fast Fourier Transform
<b>FGW</b>	Femto Gateway
<b>FHGW</b>	Fronthaul Gateway
<b>FIFO</b>	First In—First Out
<b>FPGA</b>	Field Programmable Gate Array

<b>FR</b>	Frequency Range
<b>FWA</b>	Fixed Wireless Access
<b>GBR</b>	Guaranteed Bit Rate
<b>GFBR</b>	Guaranteed Flow Bit Rate
<b>GNSS</b>	Global Navigation by Satellite Systems
<b>GPP</b>	General-Purpose Processor
<b>GPRS</b>	General Packet Radio Services
<b>GPS</b>	Global Positioning System
<b>GSM</b>	Global System for Mobile communication
<b>GTP</b>	GPRS Tunneling Protocol
<b>GTP-C</b>	GPRS Tunneling Protocol – Control
<b>GTP-U</b>	GPRS Tunneling Protocol – User
<b>GTPS</b>	Giga Transactions Per Second
<b>GW</b>	Gateway
<b>gNB</b>	gNodeB or Next Generation NodeB or 5G Base Station
<b>HAAT</b>	Height Above Average Terrain
<b>HARQ</b>	Hybrid Automatic Repeat Request
<b>HBM</b>	High Bandwidth Memory
<b>HLS</b>	Higher Level Split
<b>HNB</b>	Home NodeB
<b>HPF</b>	High Priority Fronthaul
<b>IBW</b>	Instantaneous BandWidth
<b>IDFT</b>	Inverse Discrete Fourier Transform
<b>IPC</b>	Inter Process Communication
<b>IOT</b>	Internet of Things
<b>IEEE</b>	Institute of Electrical and Electronics Engineers
<b>IETF</b>	Internet Engineering Task Force
<b>IFFT</b>	Inverse Fast Fourier Transform
<b>IP</b>	Internet Protocol or Ingress Protection
<b>IPSec</b>	Internet Protocol Security
<b>ISA</b>	Instruction Set Architecture
<b>ISC</b>	Integrated Small Cell
<b>ITU</b>	International Telecommunications Union
<b>LBRM</b>	Limited Buffer Rate Matchin
<b>LLR</b>	Log Likelihood Radio
<b>LLS</b>	Lower Level Split
<b>LPF</b>	Low Priority Fronthaul
<b>LTE</b>	Long Term Evolution
<b>MAC</b>	Medium Access Control
<b>MEC</b>	Metro Edge Compute
<b>MeNB</b>	Master eNB
<b>MFBR</b>	Maximum Flow Bit Rate
<b>MIB</b>	Master Information Block
<b>MIMO</b>	Multiple Input Multiple Output
<b>MMU</b>	Memory Management Unit
<b>MP</b>	Management Plane
<b>MPF</b>	Medium Priority Fronthaul
<b>MPLS</b>	Multi Protocol Label Switching
<b>MPS</b>	Maximum Payload Size

<b>NAS</b>	Non Access Stratum
<b>NEF</b>	Network Exposure Function
<b>NF</b>	Noise Figure
<b>NFV</b>	Network Function Virtualization
<b>NFVI</b>	Network Function Virtualization Infrastructure
<b>NIC</b>	Network Interface Card
<b>NPF</b>	Network Processor Forum
<b>NPU</b>	Network Processor Unit
<b>NR</b>	New Radio
<b>NRF</b>	NF Repository Function
<b>NSA</b>	Non Standalone
<b>NSSF</b>	Network Slice Selection Function
<b>NTP</b>	Network Time Protocol
<b>OAM</b>	Operation and Maintenance
<b>OBSAI</b>	Open Base Station Architecture Initiative
<b>OBW</b>	Occupied Bandwidth
<b>OFDM</b>	Orthogonal Frequency Division Multiplexing
<b>OFDMA</b>	Orthogonal Frequency Division Multiple Access
<b>ONF</b>	Open Networking Foundation
<b>OSS</b>	Operations Support Systems
<b>PA</b>	Power Amplifier
<b>PAPR</b>	Peak to Average Power Ratio
<b>PCCH</b>	Paging Control Channel
<b>PCF</b>	Policy Control Function
<b>PDCCH</b>	Physical Downlink Control Channel
<b>PDCP</b>	Packet Data Convergence Protocol
<b>PDSCH</b>	Physical Downlink Shared Channel
<b>PH</b>	Power Headroom
<b>PI</b>	Preemption Indicator
<b>PLL</b>	Phase Locked Loop
<b>PoE</b>	Power over Ethernet
<b>PRACH</b>	Physical Random Access Channel
<b>PRB</b>	Physical Resource Block
<b>PSS</b>	Primary Synchronization Signal
<b>PTP</b>	Precision Time Protocol
<b>PUCCH</b>	Physical Uplink Control Channel
<b>PUSCH</b>	Physical Uplink Shared Channel
<b>QAM</b>	Quadrature Amplitude Modulation
<b>QFI</b>	QoS Flow Id
<b>QoS</b>	Quality of Service
<b>QPSK</b>	Quadrature Phase Shift Keying
<b>RACH</b>	Random Access Channel
<b>RAN</b>	Radio Access Network
<b>RANAP</b>	Radio Access Network Application Part
<b>RAT</b>	Radio Access Technology
<b>RB</b>	Resource Block
<b>RE</b>	Resource Element
<b>RED</b>	Random Early Discard
<b>RIBS</b>	Radio Interface Based Synchronization

<b>RIC</b>	RAN Intelligent Controller
<b>RF</b>	Radio Frequency
<b>RFC</b>	Request For Comments
<b>RLC</b>	Radio Link Control
<b>RMS</b>	Root Mean Square
<b>RNTI</b>	Radio Network Temporary Identifier
<b>RoHC</b>	Robust Header Compression
<b>RQA</b>	Reflective QoS Attribute
<b>RRC</b>	Radio Resource Control
<b>ROM</b>	Read Only Memory
<b>RRM</b>	Radio Resource Management
<b>RSU</b>	Roadside Unit
<b>RT</b>	Realtime
<b>RTOS</b>	Realtime Operating System
<b>rtPS</b>	real-time Polling Service
<b>RTT</b>	Round Trip Time
<b>RU</b>	Radio Unit
<b>SA</b>	Standalone
<b>SAS</b>	Spectrum Allocation System
<b>SCS</b>	Subcarrier Spacing
<b>SDAP</b>	Service Data Adaptation Protocol
<b>SDN</b>	Software Defined Networking
<b>SDoC</b>	Supplier Declaration of Conformity
<b>SDU</b>	Service Data Unit
<b>SeNB</b>	Slave eNB
<b>SFN</b>	Single Frequency Network
<b>SIB</b>	Secondary Information Block
<b>SIM</b>	Subscribed Identity Module
<b>SIMD</b>	Single Instruction Multiple Data
<b>SLA</b>	Service Level Agreement
<b>SMF</b>	Session Management Function
<b>SN</b>	Sequence Number
<b>SNR</b>	Signal to Noise Ratio
<b>SPS</b>	Semi Persistent Scheduling
<b>SRB</b>	Signaling Radio Bearer
<b>SRS</b>	Sounding Reference Signal
<b>SSB</b>	Synchronization Signal Block
<b>SSE</b>	Streaming Signaling Extensions
<b>SSS</b>	Secondary Synchronization Signal
<b>SUL</b>	Supplementary Uplink
<b>SW</b>	Software
<b>T-BC</b>	Telecom Boundary Clock
<b>T-GM</b>	Telecom Grand Master
<b>T-TSC</b>	Telecom Time Slave Clock
<b>TAI</b>	International Atomic Time
<b>TB</b>	Transport Block
<b>TCM</b>	Three Color Marker
<b>TCP</b>	Transmission Control Protocol
<b>TCXO</b>	Temperature Controlled Oscillator

<b>TIP</b>	Telecom Infrastructure Project
<b>TDD</b>	Time Division Duplex
<b>TDM</b>	Time Division Multiplexing
<b>TEID</b>	Tunnel Endpoint Identifier
<b>TM</b>	Transparent Mode
<b>ToR</b>	Top of Rack
<b>TPC</b>	Transmit Power Control
<b>TRP</b>	Transmit Receive Point
<b>TSN</b>	Time Sensitive Networking
<b>TTI</b>	Transmit Time Interval
<b>UAV</b>	Unmanned Aerial Vehicle
<b>UCI</b>	Uplink Control Information
<b>UE</b>	User Equipment
<b>UL</b>	Uplink
<b>ULSCH</b>	Uplink Shared Channel
<b>UM</b>	Unacknowledged Mode
<b>UMA</b>	Unlicensed Mobile Access
<b>UMTS</b>	Universal Mobile Telecommunication System
<b>UP</b>	User Plane
<b>UPF</b>	User Plane Function
<b>URLLC</b>	Ultra Reliable Low Latency Communication
<b>UTC</b>	Coordinated Universal Time
<b>V2I</b>	Vehicle to Infrastructure
<b>V2P</b>	Vehicle to Pedestrian
<b>V2X</b>	Vehicle to Anything
<b>VCXO</b>	Voltage Controlled Oscillator
<b>WCDMA</b>	Wideband Code Division Multiple Access
<b>WG</b>	Working Group
<b>WiFi</b>	Wireless Fidelity
<b>WiMAX</b>	Wireless Interoperability for Microwave Access
<b>WRED</b>	Weighted Random Early Discard