

A

ABVC: Automatic Bias Voltage Control
ACM: Adaptive Coded Modulation
ADC: Analogue to Digital Converter
ADSL: Asymmetrical Digital Subscriber Line
APS: Automatic Protection Switching
ARQ: Automatic Repeat request
ASE: Amplified Spontaneous Emission
ATM: Asynchronous Transfer Mode

B

BBU: Base Band Unit
BER: Bit Error Rate
B-ISDN: Broadband Integrated Service Digital Network
BPF: Band Pass Filter
BPSK: Binary Phase-Shift Keying
BTS: Base Transceiver Station

C

CMOS: Complementary Metal-Oxide-Semiconductor
CN: Core Network
CO: Central Office
CO-OFDM: Coherent Optical Orthogonal Frequency Division Multiplex
CPE: Customer Premises Equipment
CPRI: Common Public Radio Interface
CQI: Channel Quality Identification
CR: Cognitive Radio
CSRZ: Carrier Suppressed Return-to-Zero

D

DAN: Distributed Antenna Network
DAPSK: Differential Amplitude and Phase-Shift Keying
DCN: Distributed Core Network
DFB: Distributed Feedback
DFS: Dynamic Frequency Selection
DMSP: Designated Multicast Service Provider
DPN: Distributed Signal Processing Network
DPSK: Differential Phase-Shift Keying
DSB: Double Sideband
DSN: Deep Space Network
DTN: Distributed Signal Transport Network

E

EA: Extension Amplifier
EAT: Electronic Absorption Transceiver
EDFA: Erbium-Doped Fiber Amplifier
EIRP: Effective Isotropic Radiated Power
EMC: Electromagnetic Compatibility
EMI: Electromagnetic Interference
EOPM: Electro-Optic Phase Modulator
ESA: Electrical Spectrum Analyzer

F

FA: Foreign Agent
FBG: Fiber Bragg Grating
FDD: Frequency Division Duplex
FEC: Forward Error Correction
FFT: Fast Fourier Transform
FMC: Fixed and Mobile Convergence
FWM: Four-Wave Mixing

G

GC: Gain Control
GFA: Gateway Foreign Agent
GP: Guard Period
GT: Gires-Tournois Interferometer

H

HA: Home Agent
HAPs: High Altitude Platforms
HNL-DSF: High-Nonlinear Dispersion Shifted Fiber
HSDPA: High Speed Downlink Packet Access
HS-DSCH: High Speed Downlink Shared Channel
HSUPA: High Speed Uplink Packet Access
HVMP: Host View Membership Protocol

I

IF: Intermediate Frequency
IFFT: Inverse Fast Fourier Transform
IGMP: Internet Group Management Protocol
IMS: IP Multimedia Subsystem
IMT: International Mobile Telecommunications
ISCP: Interference on Signal Code Power
ISI: Inter-Symbol Interference
ITS: Intelligent Transport Systems
ITS-RVC: Intelligent Transportation Systems Road-to-Vehicle Communication

L

LD: Laser Diode
LMDS: Local Multipoint Distribution Service
LO: Local Oscillator
LPF: Low Pass Filter
LS: Least Square
LU: Licensed User

M

MAC: Media Access Control
MBMS: Multimedia Broadband Multicast Service
MEM: Mobile Email Message
MFA: Multicast Foreign Agent
MHA: Multicast Home Agent
MIM: Mobile Instant Message
MMROP: Mobile Multicast with Routing Optimization
MMS: Multimedia Messaging Service
MMSE: Minimum Mean Square Error
MMW: Millimeter Wave
MoM: Mobile Multicast
MRMoM: Multi-Level Reliable Mobile Multicast
MSS: Mobile Support Station
MW: Microwave
MWP: Microwave Photonics
MZI: Mach-Zehnder Interferometer
MZM: Mach-Zehnder Modulator

O

OADM: Optical Add/Drop Multiplexer
OBPF: Optical Band Pass Filter
OBSAI: Open Base Station Standard Initiative
OFDMA: OFDM Access
OIL: Optical Injection Locking
OIPLL: Optical Injection Phase-Lock Loop
OMA: Open Mobile Alliance

OOFDM: Optical Orthogonal Frequency Division Multiplexing
OOK: On-Off Keying
OPLL: Optical Phase-Lock Loop
OTDM: Optical Time Division Multiplexing

P

PA: Power Amplifier
PAPR: Peak to Average Power Ratio
PC: Polarization Controller
PCCPCH: Primary Common Control Physical Channel
PCF: Partial Carrier Filling
PDC: Personal Digital Cellular
PDSL: Packet Delivery State List
PHS: Personal Handy Phone System
PM: Phase Modulator
PMD: Polarization-Mode Dispersion
PON: Passive Optical Network
PRBS: Pseudo Random Binary Sequence
PRRM: Pulse Repetition Rate Multiplication
PTS: Partial Transmit Sequence

R

RBMoM: Range-Based Mobile Multicast
RBW: Resolution Bandwidth
RMMP: Reliable Mobile Multicast Protocol
RMP: Reliable Multicast Protocol
RMTP: Reliable Multicast Transport Protocol
RN: Remote Node
RoF: Radio over Fiber
RoFLT: RoF Line Terminal
RoFMA: RoF Multi-System Access
RoFNU: RoF Network Unit
RRBMM: Reliable Range Based Protocol of Mobile Multicast
RRBMOM: Reliable Range Based Mobile Multicast
RRH: Remote Radio Head
RRU: Remote Radio Unit
RSCP: Received Signal Code Power
RU: Cognitive User

S

SDR: Software Defined Radio
SER: Symbol Error Rate
SMF: Single-Mode Fiber
SNR: Signal to Noise Ratio
SOC: System On Chip
SPM: Self-Phase Modulation
SRM: Scalable Reliable Multicast
SSB: Single Sideband

T

TDD: Time Division Duplex
TPC: Transmit Power Control
TS: Time Slot
TTE: Temporal Talbot Effect
TWL: Tunable Wavelength Laser

W

WDM: Wavelength Division Multiplexing
WDM-PON: WDM Passive Optical Network
WRAN: Wireless Regional Area Network