Abbreviation Index

16QAM: 16-order Quadrature Amplitude Modulation
3GPP: 3rd Generation Partnership Project
8PSK: 8 Phase Shift Keying

A

AAS: Adaptive Antenna System
ABE: Always Best Environment
ACL: Access Control List
ADTB-T: Advanced Digital Television Broadcasting-Terrestrial
aGW: access Gateway
AIE: Air Interface Evolution
AMC: Adaptive Modulation and Coding
AP: Access Point
API: Application Program Interface
ARQ: Automatic Repeat Request
ASIC: Application Specific Integrated Circuit

B

B3G: Beyond Third Generation
BCCH: Broadcast Control Channel
BCMCS: Broadcast and Multicast Service
BER: Bit Error Rate
BIFS: Binary Format for Scenes
BLAST: Bell Labs Layered Space-Time
BLER: Block Error Rates
BS: Base Station
BSAC: Bit-Sliced Audio Coding
BSS: Business Support System
BT: Bit Torrent
BTS: Base Transceiver Station
BWA: Broadband Wireless Access
BWM: Broadband Wireless Multimedia

C

CA: Collision Avoidance
CA: Conditional Access
CAMEL: Customized Application for Mobile Network Enhanced Logic
CCSA: China Communications Standardization Association
CDF: Cumulative Distribution Function
CDMA: Code Division Multiple Access
CDR: Call Detail Records
CIF: Common Interleaved Frame
CN: Core Network
CNGI: China Next Generation Internet
CP: Content Provider
CP: Cyclic Prefix
CQI: Channel Quality Indicator
CRC: Cyclic Redundancy Check
CSMA: Carrier Sense Multiple Access
CTS: Clear to Send
CU: Control Unit
CW: Competition Window

D

DAB: Digital Audio Broadcasting
D-BLAST: Diagonal Bell Labs Layered Space-Time
DCA: Dynamic Channel Allocation
DES: Data Encryption Standard
DFT: Discrete Fourier Transform
DFT-SOFDM: Discrete Fourier Transform-Spread Orthogonal Frequency Division Multiplexing
DG: Datagram
DL-SCH: Downlink Shared Channel
DMA: Direct Memory Access
DMB-T: Digital Multimedia Broadcasting-Terrestrial
DRM: Digital Rights Management standard
DS: Direct Sequence
DSP: Digital Signal Processor
DVB-H: Digital Video Broadcasting-Handheld
DVB-S2: Next-generation Satellite Digital Video Broadcast Standard
DwPTS: Downlink Pilot Time Slot

E

E-AGCH: E-DCH Absolute Grant Channel
ECSN: E-AGCH Cyclic Sequence Number
E-DCH: Enhanced Dedicated Channel
eNB: evolved Node B
ENI: E-UCCH Number Indicator
E-PUCH: E-DCH Physical Uplink Channel
E-RNTI: E-DCH Radio Network Temporary Identifier
E-RUCCH: E-DCH Random Access Uplink Control Channel
ES: Elementary Stream
ETSI: European Telecommunications Standard Institute
E-UCCH: E-DCH Uplink Control Channel
E-UL: Enhanced Uplink
EWC: Enhanced Wireless Consortium

F

FDD: Frequency Division Duplex
FDM: Frequency Division Multiplexing
FDMA: Frequency Division Multiple Access
FEC: Forward Error Correction
FER: Frame Error Rate
FFT: Fast Fourier Transform
FIB: Fast Information Block
FIC: Fast Information Channel
FIDC: Fast Information Data Channel
FIFO: First In First Out
FPS: Fast Packet Scheduling
FuTURE: Future Technology for Universal Radio Environment

G

GGSN: Gateway GPRS Support Node
GIS: Geographic Information System
GMC: Generalized Multi-Carrier
GSM: Global System for Mobile Communication

H

HARQ: Hybrid Automatic Repeat Request
HCR-TDD: High-Chip-Rate Time Division Duplex
HDTV: High-Definition TV
HSDPA: High Speed Downlink Packet Access
HS-DSCH: High Speed Downlink Shared Channel
HSPA+: High Speed Packet Access Enhancement
HSUPA: High Speed Uplink Packet Access

I

ICI: Inter-Channel Interference
IEEE: Institute of Electrical and Electronics Engineers
IFDMA: Interleaved Frequency Division Multiple Access
IFFT: Inverse Fast Fourier Transform
IL: Information Lamp
IMS: IP Multimedia Subsystem
IMT: International Mobile Telecommunications
IOD: Initial Object Descriptor
IPDC: IP DataCast
IPE: IP Encapsulator
ISDB-T: Integrated Services Digital Broadcasting-Terrestrial
ISI: Inter-Symbol Interference
ISR: Interrupt Service Routine
IT: Information Technology
ITU: International Telecommunication Union

L

LCID: Logic Channel ID
LCR-TDD: Low-Chip-Rate Time Division Duplex
LDPC: Low Density Parity Check Code
LEN: Length Indicator of Data Payload
LOS: Line-of-Sight

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Abbreviation Index

LTE: Long Term Evolution

M

MAC: Media Access Control
MBMS: Multimedia Broadcast Multicast Service
MCH: Multicast Channel
MCI: Multiplexer Configuration Information
MCMS: Media Control and Management Sub-layer
MII: Ministry of Information Industry
MIMO: Multiple Input Multiple Output
MISO: Multiple Input Single Output
MM: Mobility Management
MMS: Multimedia Service
MPE-FEC: MultiProtocol Encapsulation-Forward Error Correction
MSC: Main Service Channel
MT: Mobile Terminal
MUSE: Mobile Ubiquitous Service Environment

N

NAS: Network Adaptation Sub-layer
NAV: Network Allocation Vector
NBOSS: New-Business Operations Support System
NDRC: National Development and Reform Commission
NGMN: Next Generation Mobile Networks
NLOS: Non-Line of Sight
NM: Network Management
NP: Network Processor
NRTPS: Non Real-Time Polling Service

O

OD: Object Descriptor
OFDM: Orthogonal Frequency Division Multiplexing
OFDMA: Orthogonal Frequency Division Multiple Access
OLOS: Obstructed Line of Sight
OMA: Open Mobile Alliance
OSS: Operation Support System
OTDM: Orthogonal Time Division Multiplexing
OVSF: Orthogonal Variable Spreading Factor

P

P2P: Peer to Peer
PA: Power Amplifier
PAPR: Peak-to-Average Power Ratio
PAR: Average Power Ratio
PCCH: Paging Control Channel
PDCP: Packet Data Convergence Protocol
PDU: Protocol Data Unit
PES: Packetized Elementary Stream
POC: Push-to-Talk over Cellular
PSI: Program Specific Information

Q

QoS: Quality of Service
QPSK: Quadrature Phase Shift Keying

R

R5: 3GPP Release 5
RB: Radio Bearer
RDI: Resource Duration Indicator
RF: Radio Frequency
RI: Resegmentation Indicatior of PDU
RLC: Radio Link Control
RNC: Radio Network Controller
RO: Rights Object
ROHC: Robust Header Compression
RRC: Radio Resource Control
RRM: Radio Resource Management
RTPS: Real-Time Polling Service
RTS: Request to Send

S

SAC: Standardization Administration of China
SAE: System Architecture Evolution
SAP: Service Access Point
SARFT: State Administration of Radio, Film and Television
SC: Synchronous Channel
AVC: Advanced Video Coding
SCCC: Serial Concatenated Convolutional Code
SCE: Service Creation Envirooment
SC-FDMA: Single-Carrier Frequency Division Multiple Access
SDE: Service Deployment Environment
S-DMB: Satellite-Digital Multimedia Broadcasting
SDU: Service Data Unit
SEE: Service Execution Environment
SES: Security Sub-layer
SF: Spreading factor
SFFR: Soft Fractional Frequency Reuse
SFN: Signal Frequency Network
SGSN: Serving GPRS Support Node
SI: Service Information
SIMO: Single Input Multiple Output
SINR: Signal-to-Interference-plus-Noise Ratio
SIP: Session Initiation Protocol
SISO: Single Input Single Output
SL: Synchronization Layer
S-MAC: Sensor Medium Access Control
SMS: Short Message Service
SNMP: Simple Network Management Protocol
SNPL: Serving and Neighbor Cell Path Loss
SNR: Signal-to-Noise ratio
SP: Service Provider
SS: Subscriber Station
STBC: Space-Time Block Code
STC: Space-Time Code
STTC: Space-Time Trellis Code

T

TA: Time Active
TCP: Transmission Control Protocol
TDD: Time Division Duplex
TDM: Time Division Multiplexing
TDMA: Time Division Multiple Access
T-DMB: Terrestrial-Digital Multimedia Broadcasting
TD-SCDMA: Time Division-Synchronous Code Division Multiple Access
T-DVB: Terrestrial-Digital Video Broadcasting
TEBS: Total E-DCH Buffer Status
TII: Transmitter Identifier Information
TS: Transport Stream

U

UE: User Equipment
UGS: Unsolicited Grant Service
UHF: Ultra High Frequency
UNB: Ultra-Narrow Band
UPH: UE Power Headroom
UpPTS: Uplink Pilot Time Slot
UTRAN: UMTS Terrestrial Radio Access Network
UWB: Ultra-Wide Band

V

V-BLAST: Vertical Bell Labs Layered Space-Time
VHF: Very High Frequency
VoD: Video on Demand
VoIP: Voice over IP
VSM: Vector Space Model

W

WAP: Wireless Application Protocol
WCDMA: Wideband Code Division Multiple Access
WiMAX: Worldwide Interoperability for Microwave Access
WLAN: Wireless Local Area Network
WMAN: Wireless Metropolitan Area Network
WSN: Wireless Sensor Network
WUS: Wireless Ubiquitous Service

Z

ZC-ZCZ: Zadoff-Chu Zero Correlation Zone

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