

# List of Abbreviations

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3G	Third Generation
3GPP	3rd Generation Partnership Project
ACI	Adjacent-Channel Interference
ADSL	Asymmetric Digital Subscriber Line
AM	Amplitude Modulation
AM/AM	Amplitude Modulation/Amplitude Modulation
AM/PM	Amplitude Modulation/Phase Modulation
AWGN	Additive White Gaussian Noise
BER	Bit Error Rate
BWASs	Broadband Wireless Access Systems
CP	Cyclic Prefix
CCDF	Complementary Cumulative Distribution Function
DAB	Digital Audio Broadcasting
DFT	Discrete Fourier Transform
DSL	Digital Subscriber Lines
DVB	Digital Video Broadcasting
FEC	Forward Error Correction
FFT	Fast Fourier Transform
GI	Guard Intervals
HDSL	High-Bit-Rate Digital Subscriber lines
HDTV	High Definition Television
HIPERLAN/2	European High Performance Local Area Network
HPA	High Power Amplifier

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I/Q	In-phase and Quadrature
IBO	Input Back Off
ICI	Inter-Carrier Interference
ICI	Inter Channel Interference
IDFT	Inverse Discrete Fourier Transform
IFFT	Inverse Fast Fourier Transform
ISDB	Integrated Services Digital Broadcasting
ISI	Inter-symbol Interference
LO	Local Oscillator
LTE	Long Term Evolution
MAC	Medium Access Control
NLD	Nonlinear Distortion Noise .
OBO	Output Back Off
OFDM	Orthogonal Frequency Division Multiplexing
PA	Power Amplifier
PAPR	Peak to Average Power Ratio
PM	Phase Modulation
PSD	Power Spectrum Density
QAM	Quadrature Amplitude Modulation
QPSK	Quadrature Phase Shift Keying
RF	Radio Frequency
S/P	Serial to Parallel
SDRs	Software Defined Radios
SLM	Selective Mapping
SNR	Signal to Noise Ratio
SSPA	Solid State Power Amplifier

## List of Abbreviations

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TD	Total Degradation
TWTA	Travelling Wave Tube Amplifier
UMTS	Universal Mobile Telecommunications System
WDM	Wave Division Multiplexing
WiMAX	Worldwide Interoperability for Microwave Access
WLAN	Wireless Local Area Network
WMAN	Wireless Metropolitan Area Network
WSSUS	Wide Sense Stationary Uncorrelated Scattering