

Numerical acronyms

1G First generation of wireless communications systems

2G Second generation of wireless communications systems

3G Third generation of wireless communications systems

4G Fourth generation of wireless communications systems

2D Two dimensional

3D Three dimensional

1xEV-DO Cellular Technology - Evolution Data-Only -or- Evolution Data-Optimized

A

A/D Analog-to-digital

AC Alternating current

ACAD AutoCAD

ACPR Adjacent - channel power ratio

ADC Analog- to-digital converter

AMPS Advanced mobile phone system, the first generation of cellular service in North America

ASP Application service provider

AWS Cellular Technology - Advanced Wireless Services

ATM Asynchronous transfer mode

B

BER Bit error rate

BPSK Binary phase shift keying

BSC Base Station Controller; the network entity controlling a number of Base Transceiver Stations

BSS Base Station System / Subsystem

BTS Base Transceiver Station; the network entity which communicates with the mobile station

C

C/I Carrier-to-Interference ratio

CAD Computer Aided Design

CDMA Code Division Multiple Access

CENELEC European Committee for Electrotechnical Standardization

C/(N+I) Carrier-to-Noise plus Interference

COST 231 Collaboration in Science and Technology, project 231

CP Circularly polarized

CPICH Common Pilot Channel

CW Continuous wave

D

DAS Distributed Antenna System

dB Decibel

dBd Decibel referenced to dipole antenna

dB_i Decibel referenced to isotropic antenna

dBm Decibel power relative to 1 milliwatt

dBW Decibel power relative to 1 watt

DPM Dominant Path Model

E

EIRP Effective Isotropic Radiated Power

EM Electromagnetic

EMC Electromagnetic compatibility

F

FNBW First-null beamwidth

FSL Free Space Loss

G

GHz Gigahertz

GPRS Global Packet Radio Service

GPS Global Positioning System

GSM Global System for Mobile

H

HPBW Half-power beamwidth

HSPA High Speed Packet Access

HSDPA High Speed Downlink Packet Access

HSUPA High Speed Uplink Packet Access

H&S Health and Safety

I

ICNIRP International Committee on Non-ionizing Radiation Protection

IEEE Institute of Electrical and Electronics Engineers

J

K

KPI Key Performance Indicators

L

LAN Local area network

LHCP Left-hand circularly polarized

LMR Land Mobile Radio

LTE Long Term Evolution

LOS Line of sight

M

MAPL Maximum acceptable path loss

MCP Measurement Campaign Plan

MHz Megahertz

MIMO Multiple-input and multiple-output

MWM Multi-wall-model

N

NLOS Non line of sight

O

OFDMA Orthogonal Frequency Division Multiple Access

OFDM Orthogonal Frequency Division Multiplexing

OLOS Obstructed line of sight

P

PAN Personal Area Networks

PEL Plane Earth Loss

PSK Phase Shift Keying

PCS Personal Communications Service

Q

QAM Quadrature Amplitude Modulation

QPSK Quadrature Phase Shift Keying

QoS Quality of Service

R

RF Radio Frequency

RHCP Right-hand circularly polarized

ROI Return on Investment

RSL Receive Signal Level

RX Receive

S

SAR Specific absorption rates

SINR Signal to interference plus noise ration

SISO Single-input/Single-output

SM Spatial Multiplexing

SNR Signal to Noise Ratio

SOM System Operating Margin

SQE Signal Quality Estimator

I

TDD Time division duplexing

TDM Time division multiplexing

TDMA Time division multiple access

TV Television

TX Transmit out

U

UHF Ultra high frequency

UMTS Universal Mobile Telecommunications System

UWB Ultra Wide Band

V

VHF Very high frequency

VSWR Voltage Standing Wave Ratio

W

WCDMA Wideband Code Division Multiple Access

Wi-Fi Wireless Fidelity

WLAN Wireless local area network

X, Y, Z

XPD cross-polar discrimination