

In-Building Wireless System Acronyms

1G	-	1 st Generation (Analog Cellular)
2G	-	2 nd Generation (Digital Cellular)
3G	-	3 rd Generation (Data Cellular)
4G	-	4 th Generation (Enterprise Level Integrated Cellular and High Speed Data)
AGC	-	automatic gain control
ALC	-	automatic level control
AMPS	-	Advanced Mobile Phone Service 1G
AP	-	Access Point
AWS	-	Advanced Wireless Services 3G+
AU	-	Access Unit
BTA	-	Basic Trade Area
BTS	-	base transceiver station
Cat-5/6	-	Category 5 or 6 (twisted pair cable)
CDMA	-	code division multiple access 2G
CDMA2000	-	CDMA incorporating EvDO
CDPD	-	cellular digital packet data
DAS	-	distributed antenna system
dB	-	decibel
dBm	-	decibels relative to 1 milliwatt
DAMPS	-	digital advanced mobile phone service
DC	-	direct current
DCS	-	Digital Communications System
DL	-	downlink
EDGE	-	Enhanced Data Rates for Global Evolution
EGSM	-	Extended Global Standard for Mobile Communications
EvDO	-	Evolution Data Only
EH	-	Expansion Hub
ESMR	-	Enhanced Specialized Mobile Radio
FDMA	-	Frequency Division Multiple Access
FMC	-	Fixed Mobile Convergence
GHz	-	gigahertz
GPRS	-	General Packet Radio Service
GPS	-	Global Positioning System
GSM	-	Groupe Speciale Mobile (now translated in English as Global Standard for Mobile Communications)
HSDPA	-	High Speed Downlink Packet Access
Hz	-	hertz
IF	-	intermediate frequency
iDEN	-	Integrated Digital Enhanced
ISM	-	Industrial Scientific Medical Band
Network (Motorola)	-	variant of TDMA wireless)
LAN	-	local area network
LO	-	local oscillator
mA	-	milliamperes
MBS	-	microcellular base station
MH	-	Main Hub
MHz	-	megahertz - 1,000,000 cycles / second
MMF	-	multi-mode fiber
MTA	-	Major Trade Area
MTBF	-	mean time between failures
NF	-	noise figure
Nm	-	nanometer
NPS	-	National Public Safety
OA&M	-	operation, administration, and maintenance
PCS	-	Personal Communication Services
PLL	-	phase-locked loop
PLS	-	path loss slope

PSQ	-	Proximity Pre-Service Qualification
PTT	-	Push-to-Talk
RAU	-	Remote Access Unit
RF	-	radio frequency
RFID	-	radio frequency identification
RTLS	-	real time location system
RSSI	-	received signal strength indicator
SC/APC	-	fiber optic connector complying with NTT SC standard, angle-polished
SIR	-	Signal to Interference Ratio
SINR	-	Signal to Interference + Noise Ratio
SMA	-	sub-miniature A connector (coaxial cable connector type)
SMF	-	single-mode fiber
SMR	-	Specialized Mobile Radio
SNR	-	Signal to Noise Ratio
ST	-	straight tip (fiber optic cable connector type)
ScTP	-	screened twisted pair
TDMA	-	time division multiple access
UL	-	uplink; Underwriters Laboratories
uW	-	microwatts
UMTS	-	Universal Mobile Telecommunications System
UHF	-	Ultra High Frequency, 300-3000 MHz
UPCS	-	Unlicensed PCS
UPS	-	uninterruptable power supply
VoIP	-	Voice over IP (Internet Protocol)
VHF	-	Very High Frequency, 30-300 MHz
VPN	-	Virtual Private Network
W	-	watt
WCDMA	-	wideband code division multiple access
WiFi	-	Wireless "Fidelity" Group, e.g.:
802.11abgn	-	Wireless VoIP
WiVoIP	-	Wireless VoIP
WiMAX	-	Worldwide Interoperability for Microwave Access, 802.16 and 802.16e
WLAN	-	Wireless Local Area Network
WPAN	-	Wireless Personal Area Network
WMAN	-	Wireless Metropolitan Area Network
WPAN	-	Wireless Personal Area Network
WPBX	-	Wireless Personal Branch Exchange
WSP	-	Wireless Service Provider (e.g. – Sprint)
WWAN	-	Wireless Wide Area Network