

Acronym / Symbol	Meaning / Definition
°C	Degrees Celsius
°F	Degrees Fahrenheit
η	Efficiency
μwave, μWave, μW	Microwave
A	
ACM	AC Module
ACPR	Adjacent channel power ratio - measurement of power amplifier linearity
ADC	Analog to Digital Converter, Analog-to-Digital Converter
AGC	Automatic Gain Control
AM	Arc Module, also Amplitude Modulation
APS	Antenna positioning system
AT	Acceptance Test
ATP	Acceptance Test Procedure
AWG	American Wire Gauge
B	
BER	Bit Error Rate
BM	Block Module, Block Up-converter Module
BOM	Bill of Materials, List of Materials
BPF	Band-Pass Filter
BR	Beacon Receiver
BRF	Band-Reject Filter
BSS	Broadcasting Satellite Service
BUC	Block Up-converter, aka Block Bpconverter
BW	Bandwidth
C	
C	C-band, C band
C-Band	4 to 8 GHz
CATV	Community access television - "Cable"
CCTWT	Coupled Cavity TWT, Coupled Cavity Traveling Wave Tube
CM	Control Module
COTS	Commercial off-the-shelf
DAC	Digital to Analog Converter, Digital-to-Analog Converter

D	
dB	Decibel
dBc	Decibel Relative to Carrier, dB below carrier
dBm	Decibel relative to 1 mW (1mW)
DBS	Direct-Broadcast Satellite
DBS	DBS-band, DBS band
DBS-Band	12.2 to 12.7 GHz
DBS178	Option for DBS-band, 17.3-17.8 GHz
DBS184	Option for DBS-band, 17.3-18.4 GHz
DBSTV	Direct-Broadcast Satellite Television
dBW	Decibels relative to 1 watt (1W)
DSNG	Digital Satellite News Gathering
DSS	Digital Satellite System
DTH	Direct-to-Home
DTHTV	Direct-to-Home Television
DUT	Device Under Test
E	
E_a	Anode Voltage
E_{a-}	Negative Anode Voltage
E_{a+}	Positive Anode Voltage
E_b	Electron Beam Voltage, aka Cathode Voltage
E_{b1}	Collector 1 Voltage
E_{b2}	Collector 2 Voltage
E_{b3}	Collector 3 Voltage
E_{b4}	Collector 4 Voltage
E_f	Filament Voltage, also know as Heater voltage
Eff	Efficiency
E_h	Heater voltage
EIK	Extended Interaction Klystron
E_k	Cathode Voltage
EM	Electromagnetic
EMC	Electromagnetic compatibility

EMI	Electromagnetic interference
EPC	Electronic Power Conditioner
ESS	Environmental Stress Screening
ETSI	European television standards institute
F	
F	Noise Figure
FA	First Article
FAT	First Article Test
FET	Field-effect transistor
FGI	Finished Goods Inventory
FILT	Filter, either air or RF
FM	Fan Module, also Frequency Modulation
FSS	Fixed Satellite Service - geosynchronous communications satellites
FWD	Forward, Forward Coupler
FWD/REV	Dual Forward/Reverse Coupler
G	
G_{-1dB}	1 dB Compression Gain
GaAs	Gallium Arsenide
GaN	Gallium Nitride
GaN't	GaN Cannot
GEO	Geostationary earth orbit
GHz	Gigahertz - 1,000,000,000 cycles per second
G_{LIN}	Linear Gain
G_{LSG}	Large Signal Gain
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
GSO	Geo-synchronous Orbit
G_{SSG}	Small Signal Gain
H	
H-POL	Horizontal Polarization
HDTV	High-Definition Television
HF	Harmonic Filter, High Frequency
HPA	High-Power Amplifier

HPF	High Pass Filter
HPM	High-power Microwave
HTS	High Throughput Satellites - geosynchronous communications satellites
HV	High Voltage
HVM	High Voltage Module
HVPS	High Voltage Power Supply
Hz	Hertz - unit of cycles-per-second
I	
I/O	Input/Output
I_a	Anode Current
I_{a-}	Negative Anode Current
I_{a+}	Positive Anode Current
I_{b1}	Collector 1 Current
I_{b2}	Collector 2 Current
I_{b3}	Collector 3 Current
I_{b4}	Collector 4 Current
ICD	Interconnect Diagram
IEEE	Institute of Electrical and Electronics Engineers
IESS	Intelsat Earth Station Standards
IF	Intermediate Frequency
I_f	Filament Current, aka Heater Current
IF	Intermediate Frequency
I_h	Heater Current
I_k	Cathode current
IM	Intermodulation
IMD	Intermodulation Distortion
IMD₂₆	-26 dBc Intermodulations
IMD₃₀	-30 dBc Intermodulations
IMP	Intermodulation Products
IMR	Intermodulation Ratio
IP3	3rd order Intercept Point
ISO	Isolator
ITAR	International Traffic in Arms Regulations

K	
K-(f)	Type K Female Connector
K-(m)	Type K Male Connector
K-f	Type K Female Connector
K-m	Type K Male Connector
Ka	Ka-band, Ka band
Ka-Band	26.5 to 40 GHz
Ka2730	Tango Wave Option for Ka-band, 27-30 GHz
Ka2830	Tango Wave Option for Ka-band, 28-30 GHz
Ka2931	Tango Wave Option for Ka-band, 29-31 GHz
Ka3031	Tango Wave Option for Ka-band, 30-31 GHz
kHz	Kilohertz - 1,000 cycles per second
KPA	Klystron Power Amplifier
Ku	Ku-band, Ku band
Ku-Band	12 to 18 GHz
Ku1275	Option for extended Ku-band, 12.75-14.5 GHz
Ku1300	Option for Ku-band, 12.75-13.25 GHz
Ku1325	Option for Ku-band, 13.0-13.25 GHz
Ku1400	Option for Ku-band, 14-14.5 GHz
L	
L	L-band, L band
L-Band	1 to 2 GHz
LAN	Local Area Network
LIN_{FFD}	Feed Forward Linearizer
LIN_{PD}	Pre-distortion Linearizer
LNA	Low-Noise Amplifier
LOS	Line-of-Sight
LPF	Low Pass Filter
L_{RET}	Return Loss
LS	Large Signal
LSG	Large Signal Gain
LTE	Long Term Evolution

M	
m	Slope
MHz	Megahertz - 1,000,000 cycles per second
MLP	Maximum Linear Power
MMDS	Multichannel Multipoint Distribution System
MMIC	Monolithic Microwave Integrated Circuit
MMW	Millimeter Wave
mmWave	Millimeter Wave
MOD	Modulation
MPM	Microwave Power Module
ms	Millisecond - 1/1000 of a second
MTBF	Meant Time Between Failure
MTTR	Mean Time to Repair
mV	Millivolt
mw	Milliwatt - 1/1000 of a Watt
MW	Microwave
N	
N-(f)	Type N Female Connector
N-(m)	Type N Male Connector
N-f	Type N Female Connector
N-m	Type N Male Connector
NF	Noise Figure
NPD	Noise Power Density
NPR	Noise Power Ratio
NPR₁₉	-19 dBc Noise Power Ratio
NPR₂₀	-20 dBc Noise Power Ratio
NRE	Non-Recurring Cost
NTE	Not to Exceed
O - P	
OCXO	Ovenized Crystal Oscillator, Oven Controlled Crystal Oscillator
P_{-1dB}	1 dB Compression Power
P1dB	Power at one-dB Gain Compression
PA	Power Amplifier

PA17	Tango Wave Power Amplifier, 17 Series
PA17-Ka120	Tango Wave 120W Ka-band Power Amplifier
PA17-Ka120P	Tango Wave 120W Ka-band Peak Power Amplifier
PA17-Ka150	Tango Wave 150W Ka-band Power Amplifier
PA17-Ka150P	Tango Wave 150W Ka-band Peak Power Amplifier
PA17-Ka175	Tango Wave 175W Ka-band Power Amplifier
PA17-Ka175P	Tango Wave 175W Ka-band Peak Power Amplifier
PA17-Ka250P	Tango Wave 250W Ka-band Peak Power Amplifier
PA17-Ku400P	Tango Wave 400W Ku-band Peak Power Amplifier
PA20	Tango Wave Power Amplifier, 20 Series
PA20-DBS750	Tango Wave 750W DBS-band Power Amplifier
PA20-DBS750P	Tango Wave 750W DBS-band Peak Power Amplifier
PA20-Ka250	Tango Wave 250W Ku-band Power Amplifier
PA20-Ka350P	Tango Wave 350W Ku-band Peak Power Amplifier
PA20-Ka500P	Tango Wave 500W Ku-band Peak Power Amplifier
PA20-Ka550P	Tango Wave 550W Ku-band Peak Power Amplifier
PA20-Ku1250P	Tango Wave 1250W Ku-band Peak Power Amplifier
PA20-Ku400	Tango Wave 400W Ku-band Power Amplifier
PA20-Ku750	Tango Wave 750W Ku-band Power Amplifier
PA20-Ku750P	Tango Wave 750W Ku-band Peak Power Amplifier
PAE	Power-Added Efficiency
PB	Power BUC
PCM	Power Processing Control Module
P_D	Power Density
Peak	High Efficiency mode of operation of TWT which limits CW power
PF	Power Factor
PFC	Power Factor Corrector
P_i	Input Power, Power In
P_{LIN}	Linear Power
P_O	Output Power, Power Out
PPM	Power Processing Module
PPV	Pay-Per-View (PPV) is a type of pay television service
P_{REF}	Reference Power

P_{REF}	Reference Power
PS	Power Supply
P_{SAT}	Sat power, Saturated Power
P_{SAT}	Sat power, Saturated Power
Q	
Q	Q-band, Q band
Q-Band	30 to 50 GHz
QC	Quality Control
QDC	Quick Connect Waveguide, Quick Disconnect Waveguide
QDC28	WR-28 Quick Connect Waveguide, Quick Disconnect Waveguide
QDC34	WR-34 Quick Connect Waveguide, Quick Disconnect Waveguide
QDC62	WR-62 Quick Connect Waveguide, Quick Disconnect Waveguide
QDC75	WR-75 Quick Connect Waveguide, Quick Disconnect Waveguide
QT	Qualification Test, Qual Test
QTP	Qualification Test Procedure, Qual Test Procedure
R	
RCV-REJ	Receive Reject Filter
RDBS	Reverse DBS-band
REF	10 MHz Reference
REV	Reverse, Reverse Coupler
RF	Radio Frequency
RFD	RF Device
RFIC	Radio Frequency Integrated Circuit
RFM	RF Module
RFU	RF Unit
R_x	Receive
Rx	Receive
S	
S	S-band, S band
S-Band	2 to 4 GHz
S₁₁	S-parameter, VSWR, Port 1
S₁₂	S-parameter, Insertion Loss, Port 2-to-Port 1
S₂₁	S-parameter, Insertion Loss, Port 1-to-Port 2

S₂₂	S-parameter, VSWR, Port 2
SATCOM	Satellite Communications
SMA-(f)	Type SMA Female Connector
SMA-(m)	Type SMA Male Connector
SMA-f	Type SMA Female Connector
SMA-m	Type SMA Male Connector
SNG	Satellite News Gathering
SOTM	SATCOM-on-the-Move
SR	Spectral Re-growth, aka Spectral Regrowth
SR₃₀	-30 dBc Spectral Re-growth, aka Spectral Regrowth
SS	Small Signal
SSA	Solid-State Amplifier
SSB	Single-Sideband
SSG	Small-Signal Gain
SSPA	Solid-State Power Amplifier
SSPB	Solid-State Power BUC
STD-Ku	Standard Ku-band, 13.75-14.5 GHz
SWaP	Size, Weight and Power
SWaP-C	Size, Weight and Power and Cost
SwaPe	Size, Weight Power and Efficiency
T	
T/R	Transmit Receive
Tango Wave	Tango Wave, www.tango-wave.com
TCXO	Temperature Controlled Crystal Oscillator
TFMH	High Voltage Transformer
TFMR	Transformer
TR, T/R	Transmit Receive
Tw	Tango Wave
TWT	Traveling Wave Tube
TWTA	Traveling Wave Tube Amplifier
T_x	Transmit
Tx, TX	Transmit

U - V	
U-Band	40 to 60 GHz
UIM	User Interface Module
UPC	Uplink Power Control
V	V-band, V band
V-Band	50 to 75 GHz
V-POL	Vertical Polarization
VA	Volt-Amps
VCO	Voltage-Controlled Oscillator
VCXO	Voltage-Controlled Crystal Oscillator
VOD	Video on Demand
VSAT	Very Small Aperture Terminal
VSWR	Voltage Standing Wave Ratio
W - X	
W	W-band, W band
W-Band	75 to 110 GHz
W/G	Waveguide
WGM	Waveguide Module
WIP	Work In Process
WLAN	Wireless Local Area Network
WR-28	WR-28 Waveguide Cover Flange
WR-28G	WR-28 Waveguide Grooved Flange, Gasketed Flange
WR-34	WR-34 Waveguide Cover Flange
WR-34G	WR-34 Waveguide Grooved Flange, Gasketed Flange
WR-62	WR-62 Waveguide Cover Flange
WR-62G	WR-62 Waveguide Grooved Flange, Gasketed Flange
WR-75	WR-75 Waveguide Cover Flange
WR-75G	WR-75 Waveguide Grooved Flange, Gasketed Flange
WR28	WR-28 Waveguide Cover Flange
WR28G	WR-28 Waveguide Grooved Flange, Gasketed Flange
WR34	WR-34 Waveguide Cover Flange
WR34G	WR-34 Waveguide Grooved Flange, Gasketed Flange
WR62	WR-62 Waveguide Cover Flange

WR62G	WR-62 Waveguide Grooved Flange, Gasketed Flange
WR75	WR-75 Waveguide Cover Flange
WR75G	WR-75 Waveguide Grooved Flange, Gasketed Flange
wrtc	with Respect to Cathode
wrtg	with Respect to Ground
WVG	Waveguide
X	X-band, X band
X-Band	8 to 12 GHz
XMIT	Transmit