B-003-002-001 **(A)**

In a frequency modulation transmitter, the input to the speech amplifier is connected to the:

A microphone
B modulator
C power amplifier
D frequency multiplier

B-003-002-002 **(C)**

In a frequency modulation transmitter, the microphone is connected to the:

A power amplifier
B oscillator
C speech amplifier
D modulator

B-003-002-003 **(C)**

In a frequency modulation transmitter, the _____is in between the speech amplifier and the oscillator.

A microphone
B frequency multiplier
C modulator
D power amplifier

B-003-002-004 **(A)**

In a frequency modulation transmitter, the _____is located between the modulator and the frequency multiplier.

A oscillator
B speech amplifier
C power amplifier
D microphone

B-003-002-005 **(A)**

In a frequency modulation transmitter, the _____is located between the oscillator and the power amplifier.

A frequency multiplier
B microphone
C speech amplifier
D modulator

B-003-002-006 **(D)**

In a frequency modulation transmitter, the _____ is located between the frequency multiplier and the antenna.

A modulator
B speech amplifier
C oscillator
D power amplifier

B-003-002-007 **(A)**

In a frequency modulation transmitter, the power amplifier output is connected to the:

A antenna
B frequency multiplier
C microphone
D modulator

B-003-003-001 **(A)**

In a frequency modulation receiver, the _____is connected to the input of the radio frequency amplifier.

A antenna
B mixer
C frequency discriminator
D limiter

B-003-003-002 **(C)**

In a frequency modulation receiver, the _____ is in between the antenna and the mixer.

A local oscillator
B intermediate frequency amplifier
C radio frequency amplifier
D audio frequency amplifier

B-003-003-003 **(A)**

In a frequency modulation receiver, the output of the local oscillator is fed to the:

A mixer
B radio frequency amplifier
C limiter
D antenna

B-003-003-004 **(D)**

In a frequency modulation receiver, the output of the _____is connected to the mixer.

A frequency discriminator
B intermediate frequency amplifier
C speaker or headphones
D local oscillator

B-003-003-005 **(D)**

In a frequency modulation receiver, the_____ is in between the mixer and the intermediate frequency amplifier.

A limiter
B frequency discriminator
C radio frequency amplifier
D filter

B-003-003-006 **(C)**

In a frequency modulation receiver, the _____ is located between the filter and the limiter.

A mixer
B radio frequency amplifier
C intermediate frequency amplifier
D local oscillator

B-003-003-007 **(A)**

In a frequency modulation receiver, the_____ is in between the intermediate frequency amplifier and the frequency discriminator.

A limiter
B filter
C local oscillator
D radio frequency amplifier

B-003-003-008 **(A)**

In a frequency modulation receiver, the _____ is located between the limiter and the audio frequency amplifier.

A frequency discriminator
B intermediate frequency amplifier
C speaker or headphones
D local oscillator

B-003-003-009 **(D)**

In a frequency modulation receiver, the _____ is located between the speaker or headphones and the frequency discriminator.

A limiter
B intermediate frequency amplifier
C radio frequency amplifier
D audio frequency amplifier

B-003-003-010 **(C)**

In a frequency modulation receiver, the _____ connects to the audio frequency amplifier output.

A frequency discriminator
B limiter
C speaker or headphones
D intermediate frequency amplifier

B-003-004-001 **(B)**

In a CW transmitter, the output from the _____ is connected to the driver/buffer.

A power supply
B master oscillator
C power amplifier
D telegraph key

B-003-004-002 **(C)**

In a typical CW transmitter, the _____ is the primary source of direct current.

A power amplifier
B master oscillator
C power supply
D driver/buffer

B-003-004-003 **(B)**

In a CW transmitter, the_____ is between the master oscillator and the power amplifier.

A telegraph key
B driver/buffer
C audio amplifier
D power supply

B-003-004-004 **(A)**

In a CW transmitter, the_____ controls when RF energy is applied to the antenna.

A telegraph key
B master oscillator
C driver/buffer
D power amplifier

B-003-004-005 **(D)**

In a CW transmitter, the _____ is in between the driver/buffer stage and the antenna.

A power supply
B telegraph key
C master oscillator
D power amplifier

B-003-004-006 **(A)**

In a CW transmitter, the output of the _____ is transferred to the antenna.

A power amplifier
B driver/buffer
C power supply
D master oscillator

B-003-005-001 **(D)**

In a single sideband and CW receiver, the antenna is connected to the _____ .

A product detector
B local oscillator
C intermediate frequency amplifier
D radio frequency amplifier

B-003-005-002 **(D)**

In a single sideband and CW receiver, the output of the _____ is connected to the mixer.

A filter
B intermediate frequency amplifier
C audio frequency amplifier
D radio frequency amplifier

B-003-005-003 **(A)**

In a single sideband and CW receiver, the _____ is connected to the radio frequency amplifier and the local oscillator.

A mixer
B beat frequency oscillator
C product detector
D filter

B-003-005-004 **(B)**

In a single sideband and CW receiver, the output of the _____ is connected to the mixer.

A product detector
B local oscillator
C intermediate frequency amplifier
D beat frequency oscillator

B-003-005-005 **(C)**

In a single sideband and CW receiver, the _____ is in between the mixer and intermediate frequency amplifier.

A beat frequency oscillator
B product detector
C filter
D radio frequency amplifier

B-003-005-006 **(D)**

In a single sideband and CW receiver, the _____ is in between the filter and product detector.

A audio frequency amplifier
B beat frequency oscillator
C radio frequency amplifier
D intermediate frequency amplifier

B-003-005-007 **(D)**

In a single sideband and CW receiver, the _____ output is connected to the audio frequency amplifier.

A local oscillator
B beat frequency oscillator
C intermediate frequency amplifier
D product detector

B-003-005-008 **(D)**

In a single sideband and CW receiver, the output of the _____ is connected to the product detector.

A mixer
B radio frequency amplifier
C audio frequency amplifier
D beat frequency oscillator

B-003-005-009 **(C)**

In a single sideband and CW receiver, the _____ is connected to the output of the product detector.

A local oscillator
B radio frequency amplifier
C audio frequency amplifier
D intermediate frequency amplifier

B-003-005-010 **(D)**

In a single sideband and CW receiver, the _____ is connected to the output of the audio frequency amplifier.

A mixer
B radio frequency amplifier
C beat frequency oscillator
D speaker or headphones

B-003-006-001 **(B)**

In a single sideband transmitter, the output of the _____ is connected to the balanced modulator.

A mixer
B radio frequency oscillator
C variable frequency oscillator
D linear amplifier

B-003-006-002 **(B)**

In a single sideband transmitter, the output of the _____ is connected to the filter.

A radio frequency oscillator
B balanced modulator
C microphone
D mixer

B-003-006-003 **(B)**

In a single sideband transmitter, the _____ is in between the balanced modulator and the mixer.

A microphone
B filter
C radio frequency oscillator
D speech amplifier

B-003-006-004 **(A)**

In a single sideband transmitter, the _____ is connected to the speech amplifier.

A microphone
B radio frequency oscillator
C filter
D mixer

B-003-006-005 **(C)**

In a single sideband transmitter, the output of the _____ is connected to the balanced modulator.

A variable frequency oscillator
B linear amplifier
C speech amplifier
D filter

B-003-006-006 **(D)**

In a single sideband transmitter, the output of the variable frequency oscillator is connected to the _____.

A antenna
B balanced modulator
C linear amplifier
D mixer

B-003-006-007 **(A)**

In a single sideband transmitter, the output of the _____ is connected to the mixer.

A variable frequency oscillator
B radio frequency oscillator
C linear amplifier
D antenna

B-003-006-008 **(D)**

In an single sideband transmitter, the _____ is in between the mixer and the antenna.

A variable frequency oscillator
B balanced modulator
C radio frequency oscillator
D linear amplifier

B-003-006-009 **(C)**

In a single sideband transmitter, the output of the linear amplifier is connected to the _____.

A variable frequency oscillator
B speech amplifier
C antenna
D filter

B-003-007-001 **(C)**

In an amateur digital radio system, the _____interfaces with the computer.

A power supply
B transceiver
C input/output
D antenna

B-003-007-002 **(D)**

In an amateur digital radio system, the modem is connected to the _____.

A amplifier
B antenna
C input/output
D computer

B-003-007-003 **(D)**

In an amateur digital radio system, the transceiver is connected to the _____.

A computer
B scanner
C input/output
D modem

B-003-007-004 **(A)**

In an amateur digital radio system, the audio connections of the modem/sound card are connected to the _____.

A transceiver
B input/output
C scanner
D antenna

B-003-007-005 **(C)**

In an amateur digital radio system, the modem function is often performed by the computer_____ .

A scanner
B serial port
C sound card
D keyboard

B-003-008-001 **(D)**

In a regulated power supply, the transformer connects to an external source which is referred to as_____.

A regulator
B filter
C rectifier
D input

B-003-008-002 **(D)**

In a regulated power supply, the _____ is between the input and the rectifier.

A output
B regulator
C filter
D transformer

B-003-008-003 **(B)**

In a regulated power supply, the _____ is between the transformer and the filter.

A regulator
B rectifier
C input
D output

B-003-008-004 **(B)**

In a regulated power supply, the output of the rectifier is connected to the _____.

A regulator
B filter
C output
D transformer

B-003-008-005 **(A)**

In a regulated power supply, the output of the filter connects to the _____.

A regulator
B transformer
C rectifier
D output

B-003-008-006 **(D)**

In a regulated power supply, the _____is connected to the regulator.

A rectifier
B input
C transformer
D output

B-003-009-001 **(B)**

In a Yagi 3 element directional antenna, the _____ is primarily for mechanical support purposes.

A director
B boom
C reflector
D driven element

B-003-009-002 **(D)**

In a Yagi 3 element directional antenna, the _____ is the longest radiating element.

A director
B driven element
C boom
D reflector

B-003-009-003 **(B)**

In a Yagi 3 element directional antenna, the _____ is the shortest radiating element.

A driven element
B director
C boom
D reflector

B-003-009-004 **(D)**

In a Yagi 3 element directional antenna, the _____is not the longest nor the shortest radiating element.

A boom
B director
C reflector
D driven element

B-003-010-001 **(D)**

Which list of emission types is in order from the narrowest bandwidth to the widest bandwidth?

A CW, SSB voice, RTTY, FM voice
B CW, FM voice, RTTY, SSB voice
C RTTY, CW, SSB voice, FM voice
D CW, RTTY, SSB voice, FM voice

B-003-010-002 **(A)**

The figure in a receiver's specifications which indicates its sensitivity is the:

A RF input signal needed to achieve a given signal plus noise to noise ratio
B audio output in watts
C bandwidth of the IF in kilohertz
D number of RF amplifiers

B-003-010-003 **(B)**

If two receivers of different sensitivity are compared, the less sensitive receiver will produce:

A more signal or less noise
B less signal or more noise
C a steady oscillator drift
D more than one signal