
Technician Question Pool

July 2018 to June 2022

The MORE Project

<http://n2re.org/m-o-r-e-project>



Station Equipment

No-Nonsense pages 60 - 61

Receivers, transmitters, transceivers, modulation, transverters, low power and weak signal operation, transmit and receive amplifiers

In the early days of radio, amateur radio operators used separate receivers and transmitter units. Nowadays, however, most use radios called transceivers. Amplifiers are used to boost the power output of the radio.



T7A02

What is a transceiver?

- A. A type of antenna switch
- B. A unit combining the functions of a transmitter and a receiver
- C. A component in a repeater that filters out unwanted interference
- D. A type of antenna matching network



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T7A02

What is a transceiver?

- A. A type of antenna switch
- B. A unit combining the functions of a transmitter and a receiver**
- C. A component in a repeater that filters out unwanted interference
- D. A type of antenna matching network



T7A06

What device converts the RF input and output of a transceiver to another band?

- A. High-pass filter
- B. Low-pass filter
- C. Transverter
- D. Phase converter



SE1 Q2 of 10

T7A06

What device converts the RF input and output of a transceiver to another band?

- A. High-pass filter
- B. Low-pass filter
- C. Transverter**
- D. Phase converter



SE1 Q2 of 10

T7A10

What device increases the low-power output from a handheld transceiver?

- A. A voltage divider
- B. An RF power amplifier
- C. An impedance network
- D. All of these choices are correct



T7A10

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T7A09

What is the function of the SSB/CW-FM switch on a VHF power amplifier?

- A. Change the mode of the transmitted signal
- B. Set the amplifier for proper operation in the selected mode
- C. Change the frequency range of the amplifier to operate in the proper portion of the band
- D. Reduce the received signal noise



T7A09

What is the function of the SSB/CW-FM switch on a VHF power amplifier?

- A. Change the mode of the transmitted signal
- B. Set the amplifier for proper operation in the selected mode**
- C. Change the frequency range of the amplifier to operate in the proper portion of the band
- D. Reduce the received signal noise



T7A01

Which term describes the ability of a receiver to detect the presence of a signal?

- A. Linearity
- B. Sensitivity
- C. Selectivity
- D. Total Harmonic Distortion



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T7A01

Which term describes the ability of a receiver to detect the presence of a signal?

- A. Linearity
- B. Sensitivity**
- C. Selectivity
- D. Total Harmonic Distortion



T7A04

Which term describes the ability of a receiver to discriminate between multiple signals?

- A. Discrimination ratio
- B. Sensitivity
- C. Selectivity
- D. Harmonic distortion



T7A04

Which term describes the ability of a receiver to discriminate between multiple signals?

- A. Discrimination ratio
- B. Sensitivity
- C. Selectivity**
- D. Harmonic distortion



T7A11

Where is an RF preamplifier installed?

- A. Between the antenna and receiver
- B. At the output of the transmitter's power amplifier
- C. Between a transmitter and antenna tuner
- D. At the receiver's audio output



SE1 Q7 of 10

T7A11

Where is an RF preamplifier installed?

- A. Between the antenna and receiver**
- B. At the output of the transmitter's power amplifier
- C. Between a transmitter and antenna tuner
- D. At the receiver's audio output



T7A03

Which of the following is used to convert a radio signal from one frequency to another?

- A. Phase splitter
- B. Mixer
- C. Inverter
- D. Amplifier



SE1 Q8 of 10

T7A03

Which of the following is used to convert a radio signal from one frequency to another?

- A. Phase splitter
- B. Mixer**
- C. Inverter
- D. Amplifier



T7A05

What is the name of a circuit that generates a signal at a specific frequency?

- A. Reactance modulator
- B. Product detector
- C. Low-pass filter
- D. Oscillator



SE1 Q9 of 10

T7A05

What is the name of a circuit that generates a signal at a specific frequency?

- A. Reactance modulator
- B. Product detector
- C. Low-pass filter
- D. Oscillator**



T7A08

Which of the following describes combining speech with an RF carrier signal?

- A. Impedance matching
- B. Oscillation
- C. Modulation
- D. Low-pass filtering



SE1 Q10 of 10

T7A08

Which of the following describes combining speech with an RF carrier signal?

- A. Impedance matching
- B. Oscillation
- C. Modulation**
- D. Low-pass filtering





A non-profit initiative by the IEEE and ARDC to increase the numbers of youth (12-18) and non-males in Amateur Radio. Participants earn FCC licenses and receive free 2-way radios.

For MORE information: n2re.org/m-o-r-e-project
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