

## Section 2.2

G2A01 (A)

Which sideband is most commonly used for voice communications on frequencies of 14 MHz or higher?

- A. Upper sideband
- B. Lower sideband
- C. Vestigial sideband
- D. Double sideband

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G2A02 (B)

Which of the following modes is most commonly used for voice communications on the 160-meter, 75-meter, and 40-meter bands?

- A. Upper sideband
- B. Lower sideband
- C. Vestigial sideband
- D. Double sideband

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G2A03 (A)

Which of the following is most commonly used for SSB voice communications in the VHF and UHF bands?

- A. Upper sideband
- B. Lower sideband
- C. Vestigial sideband
- D. Double sideband

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G2A04 (A)

Which mode is most commonly used for voice communications on the 17-meter and 12-meter bands?

- A. Upper sideband
- B. Lower sideband
- C. Vestigial sideband
- D. Double sideband

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G2A05 (C)

Which mode of voice communication is most commonly used on the HF amateur bands?

- A. Frequency modulation
- B. Double sideband
- C. Single sideband
- D. Phase modulation

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G2A09 (D)

Why do most amateur stations use lower sideband on the 160-meter, 75-meter, and 40-meter bands?

- A. Lower sideband is more efficient than upper sideband at these frequencies
- B. Lower sideband is the only sideband legal on these frequency bands
- C. Because it is fully compatible with an AM detector
- D. It is good amateur practice

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G2A10 (B)

Which of the following statements is true of voice VOX operation versus PTT operation?

- A. The received signal is more natural sounding
- B. It allows "hands free" operation
- C. It occupies less bandwidth

D. It provides more power output

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G2D04 (B)

Which of the following describes an azimuthal projection map?

- A. A map that shows accurate land masses
- B. A map that shows true bearings and distances from a particular location
- C. A map that shows the angle at which an amateur satellite crosses the equator
- D. A map that shows the number of degrees longitude that an amateur satellite appears to move westward at the equator with each orbit

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G2D06 (C)

How is a directional antenna pointed when making a “long-path” contact with another station?

- A. Toward the rising sun
- B. Along the grayline
- C. 180 degrees from the station’s short-path heading
- D. Toward the north

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G2D10 (B)

What is QRP operation?

- A. Remote piloted model control
- B. Low-power transmit operation
- C. Transmission using Quick Response Protocol
- D. Traffic relay procedure net operation

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G4A03 (C)

What is normally meant by operating a transceiver in “split” mode?

- A. The radio is operating at half power
- B. The transceiver is operating from an external power source
- C. The transceiver is set to different transmit and receive frequencies
- D. The transmitter is emitting an SSB signal, as opposed to DSB operation

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G4A12 (C)

Which of the following is a common use for the dual-VFO feature on a transceiver?

- A. To allow transmitting on two frequencies at once
- B. To permit full duplex operation — that is, transmitting and receiving at the same time
- C. To permit monitoring of two different frequencies
- D. To facilitate computer interface

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