

Making Contact



Making contacts: Digital, Repeaters, Simplex



(T2B01) How is a VHF/UHF transceiver's "reverse" function used?

ANSWER:



(T8D02) What is a "talkgroup" on a digital repeater?

ANSWER:



(T2B03) Which of the following describes a linked repeater network?

ANSWER:



(T2B12) What is the purpose of the color code used on DMR repeater systems?

ANSWER:



(T8D07) Which of the following best describes DMR?

ANSWER:

(T4B09) What How is a specific group of stations selected on a digital voice transceiver?

ANSWER:

(T8C05) What is a grid locator?

ANSWER:

(T2A02) What is the national calling frequency for FM simplex operations in the 2 meter band?

ANSWER:

(T2C03) What technique is used to ensure that voice messages containing unusual words are received correctly?

ANSWER:

(T2A08) What is the meaning of the procedural signal "CQ?"

ANSWER:

(T2A04) What is an appropriate way to call another station on a repeater if you know the other station's call sign?

ANSWER:

(T2A12) What should you do before calling CQ?

ANSWER:

(T2A05) How should you respond to a station calling CQ?

ANSWER:

(T2A09) Which of the following indicates that a station is listening on a repeater and looking for a contact?

ANSWER:

(T4B07) What does a DMR "code plug" contain?

ANSWER:

(T7B10) What might be a problem if you receive a report that your audio signal through AM FM repeater is distorted or unintelligible?

ANSWER:

(T2A07) What is meant by "repeater offset?"

ANSWER:

(T2A01) What is a common repeater frequency offset in the 2 meter band?

ANSWER:

(T2A03) What is a common repeater frequency offset in the 70 cm band?

ANSWER:

(T2B02) What term describes the use of a sub-audible tone transmitted along with normal voice audio to open the squelch of a receiver?

ANSWER:

(T2B04) Which of the following could be the reason you are unable to access a repeater whose output you can hear?

ANSWER:

(T4B11) Which of the following must be programmed into a D-STAR digital transceiver before transmitting?

ANSWER:

(T8C06) How is over the air access to IRLP nodes accomplished?

ANSWER:

(T8C07) What is Voice Over Internet Protocol (VoIP)?

ANSWER:

(T8C09) Which of the following protocols enables an amateur station to transmit through a repeater without using a radio to initiate the transmission?

ANSWER:

(T8C10) What is required before using the EchoLink system?

ANSWER:

(T8C08) What is the Internet Radio Linking Project (IRLP)?

ANSWER:

(T2B06) What type of signaling uses pairs of audio tones?

ANSWER:

(T2B09) Why are simplex channels designated in the VHF/UHF band plans?

ANSWER:

(T2B07) How can you join a digital repeater's "talk group"?

ANSWER:



Nets, Emergency Communications, Special Modes



(T8D12) Which of the following best describes an amateur radio mesh network?

ANSWER:

(T2C02) Which of the following are typical duties of a Net Control Station?

ANSWER:

(T2C06) What is the Amateur Radio Emergency Service (ARES)?

ANSWER:

(T2C07) Which of the following is standard practice when you participate in a net?

ANSWER:

(T2C08) Which of the following is a characteristic of good traffic handling?

ANSWER:

(T2C10) What information is contained in the preamble of a formal traffic message?

ANSWER:

(T2C11) What is meant by "check" in a radiogram header?

ANSWER:

(T2C01) When do FCC rules NOT apply to the operation of an amateur station?

ANSWER:

(T1A10) WhAT IS the Radio Amateur Civil Emergency Service (RACES)?

ANSWER:

(T2C04) What is RACES?

ANSWER:

(T2C05) What does the term “traffic” refer to in net operation?

ANSWER:

(T2C09)Are amateur station control operators ever permitted to operate outside the frequency privileges of their license class?

ANSWER:

G2B02 -- What is the first thing you should do if you are communicating with another amateur station and hear a station in distress break in?

ANSWER:

G2D07 -- Which of the following are examples of the NATO Phonetic Alphabet?

ANSWER:

G2B09 -- Who may be the control operator of an amateur station transmitting in RACES to assist relief operations during a disaster?

ANSWER:

G2B11 -- What frequency should be used to send a distress call?

ANSWER:

G2B10 -- When is an amateur station allowed to use any means at its disposal to assist another station in distress?

ANSWER:

Awards, DX ing, Contesting

(T1A07) What is the FCC Part 97 definition of a space station?

ANSWER:

(T8B01) What telemetry information is typically transmitted by satellite beacons?

ANSWER:

(T8B12) Which of the following is a way to determine whether your satellite uplink power is neither too low nor too high?

ANSWER:

(T8B02) What is the impact of using excessive effective radiated power on a satellite uplink?

ANSWER:

(T8B03) Which of the following are provided by satellite tracking programs?

ANSWER:

(T8B06) Which of the following are inputs to a satellite tracking program?

ANSWER:

(T8B04)What mode of transmission is commonly used by amateur radio satellites?

ANSWER:

(T8B05) What is a satellite beacon?

ANSWER:

(T8B07) What is Doppler shift in reference to satellite communications?

ANSWER:

(T8B08) What is meant by the statement that a satellite is operating in U/V mode?

ANSWER:

(T8B09) What causes spin fading of satellite signals?

ANSWER:

(T1B02) Which amateurs may contact the International Space Station (ISS) on VHF bands?

ANSWER:

(T8B10) What is a LEO satellite?

ANSWER:

(T8B11) Who may receive telemetry from a space station?

ANSWER:

(T8C01) Which of the following methods is used to locate sources of noise interference or jamming?

ANSWER:

(T8C02) Which of these items would be useful for a hidden transmitter hunt?

ANSWER:

(T8C03) What operating activity involves contacting as many stations as possible during a specified period?

ANSWER:

(T8C04) Which of the following is good procedure when contacting another station in a contest?

ANSWER:

(T8D04) What type of transmission is indicated by the term "NTSC"?

ANSWER:

G2A03 -- Which of the following is most commonly used for SSB voice communications in the VHF and UHF bands?

ANSWER:

HF techniques and Digital Comms

G2D05 -- Which of the following is a good way to indicate on a clear frequency in the HF phone bands that you are looking for a contact with any station?

ANSWER:

G1B08 -- when choosing a transmitting frequency, what should you do to comply with good amateur practice?

ANSWER:

G2A01 -- Which sideband is most commonly used for voice communications on frequencies of 14 MHz or higher?

ANSWER:

G2A04 -- Which mode is most commonly used for voice communications on the 17-meter and 12-meter bands?

ANSWER:

G2A05 -- Which mode of voice communication is most commonly used on the HF amateur bands?

ANSWER:

G2A06 -- Which of the following is an advantage when using single sideband, as compared to other analog voice modes on the HF amateur bands?

ANSWER:

G2A07 -- Which of the following statements is true of the single sideband voice mode?

ANSWER:

G2A08 -- What is the recommended way to break in to a phone contact?

ANSWER:

G2A09 -- Why do most amateur stations use lower sideband on the 160-meter, 75-meter, and 40-meter bands?

ANSWER:

G2A02 -- Which of the following modes is most commonly used for voice communications on the 160-meter, 75-meter, and 40-meter bands?

ANSWER:

G2A11 -- Generally, who should respond to a station in the contiguous 48 states who calls "CQ DX"?

ANSWER:

G2B04 -- When selecting a CW transmitting frequency, what minimum separation should be used to minimize interference to stations on adjacent frequencies?

ANSWER:

G2B03 -- What is good amateur practice if propagation changes during a contact and you notice interference from other stations on the frequency?

ANSWER:

G2B01 -- Which of the following is true concerning access to frequencies in non-emergency situations?

ANSWER:

G2B05 -- When selecting an SSB transmitting frequency, what minimum separation should be used to minimize interference to stations on adjacent frequencies?

ANSWER:

G2B06 -- what is a practical way to avoid harmful interference on an apparently clear frequency before calling CQ on CW or phone?

ANSWER:

G2B07 -- Which of the following complies with good amateur practice when choosing a frequency on which to initiate a call?

ANSWER:

G2D08 -- What is a reason why many amateurs keep a station log?

ANSWER:

G2D09 -- Which of the following is required when participating in a contest on HF frequencies?

ANSWER:



HF Receiving



G2A10 -- Which of the following statements is true of voice VOX operation versus PTT operation?

ANSWER:

G2C01 -- Which of the following describes full break-in telegraphy (QSK)?

ANSWER:

G2C02 -- What should you do if a CW station sends "QRS?"

ANSWER:

G2C03 -- What does it mean when a CW operator sends "KN" at the end of a transmission?

ANSWER:

G2C04 -- What does the Q signal "QRL?" mean?

ANSWER:

G2C05 -- What is the best speed to use when answering a CQ in Morse code?

ANSWER:

G2C06 -- what does the term "zero beat" mean in CW operation?

ANSWER:

G2C07 -- When sending CW, what does a "C" mean when added to the RST report?

ANSWER:

G2C08 -- What prosign is sent to indicate the end of a formal message when using CW?

ANSWER:

G2C09 -- What does the Q signal "QSL" mean?

ANSWER:

G2C10 -- What does the Q signal "QRN" mean?

ANSWER:

G2C11 -- What does the Q signal "QRV" mean?

ANSWER:

G4A10 -- What is the purpose of an electronic keyer?

ANSWER:

(T2B10) Which Q signal indicates that you are receiving interference from other stations?

ANSWER:

(T2B11) Which Q signal indicates that you are changing frequency?

ANSWER:

(T7B11) -- What is a symptom of RF feedback in a transmitter or transceiver?

ANSWER:

(T4A12) -- What is an electronic keyer?

ANSWER:

G2E04 -- What segment of the 20-meter band is most often used for digital transmissions (avoiding the DX propagation beacons)?

ANSWER:
