

MODULE 4 QUIZ

* Required

Name *

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Most of the amplification of a received signal in a superheterodyne receiver is obtained from *

1 point

- ☒ IF stage
- ☐ RF stage
- ☐ power amplifier
- ☐ none of the above

The term “Delayed AGC” implies Application of AGC *

1 point

- ☐ After some time lag
- ☒ Only when signal strength has increased beyond a specified value
- ☐ To the last stage of receiver
- ☐ After switch of on-off switch



"IF" stands for: *

1 point

- ☒ a. intermediate frequency
- ☐ b. intermodulation frequency
- ☐ c. indeterminate frequency
- ☐ d. image frequency

Basically, selectivity measures: *

1 point

- ☐ a. the range of frequencies that the receiver can select
- ☒ b. with two signals close in frequency, the ability to receive one and reject the other
- ☐ c. how well adjacent frequencies are separated by the demodulator
- ☐ d. how well the adjacent frequencies are separated in the mixer

The function of a limiter is: *

1 point

- ☒ a. to remove amplitude variations
- ☐ b. to limit spurious responses
- ☐ c. to limit dynamic range
- ☐ d. to limit noise response

The function of AFC is: *

1 point

- ☐ a. maintain a constant IF frequency
- ☐ b. match the local oscillator to the received signal
- ☐ c. lock the discriminator to the IF frequency
- ☐ d. none of the above



The main function of the AGC is to: *

1 point

- ☒ a. keep the gain of the receiver constant
- ☐ b. keep the gain of the IF amplifiers constant
- ☐ c. keep the input to the detector at a constant amplitude
- ☐ d. all of the above

Most popular IF for receivers tuning to 540 to 1650 kHz is *

1 point

- ☐ A. 433 kHz
- ☒ B. 455 kHz
- ☐ C. 545 kHz
- ☐ D. 555 kHz

RF amplifiers are used in radio receivers for *

1 point

- ☐ A. improved image frequency rejection
- ☐ B. improved rejection of adjacent unwanted signals
- ☐ C. prevention of re-radiation of the local oscillator through the antenna of the receiver
- ☒ D. all of the above

In a receiver, which of the following device has IF input but RF output? *

1 point

- ☒ A. Demodulator
- ☐ B. Loudspeaker
- ☐ C. Audio amplifier
- ☐ D. Frequency changer



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