



Reference Material for Amateur Radio Exam – Basic Qualification

Version 1 (May 2025). This formula and diagram sheet is authorized for use during the exam for the Amateur Radio Basic Qualification.

$$F = \frac{300}{\lambda}$$

$$\lambda = \frac{300}{F}$$

$$L = \frac{306}{F}$$

$$L = \frac{142}{F}$$

$$L = \frac{71}{F}$$

$$E = I \times R$$

$$I = \frac{E}{R}$$

$$R = \frac{E}{I}$$

$$P = I \times E$$

$$I = \frac{P}{E}$$

$$E = \frac{P}{I}$$

$$R_t = R_1 + R_2 + R_3 \dots + R_n$$

$$C_t = C_1 + C_2 + C_3 \dots + C_n$$

$$L_t = L_1 + L_2 + L_3 \dots + L_n$$

$$\frac{1}{R_t} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} \dots + \frac{1}{R_n}$$

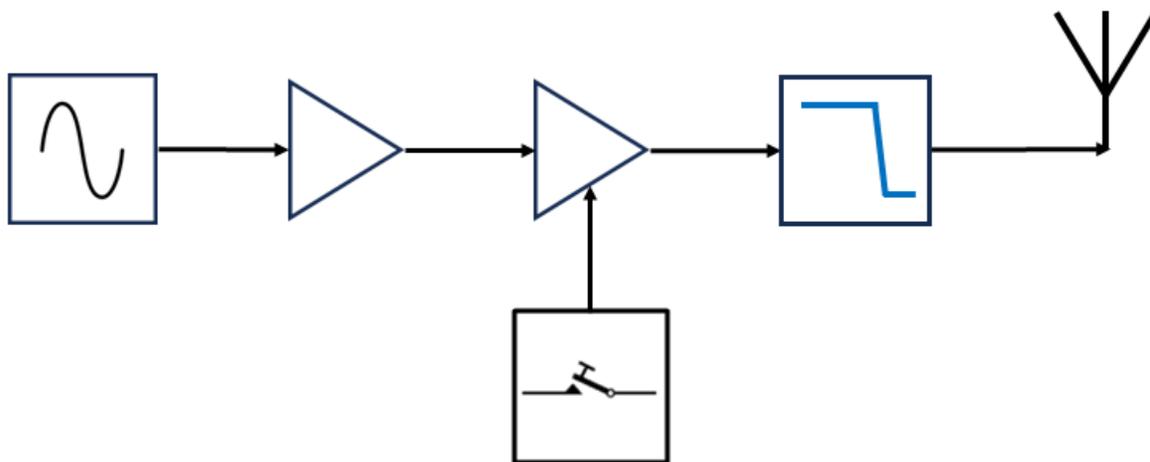
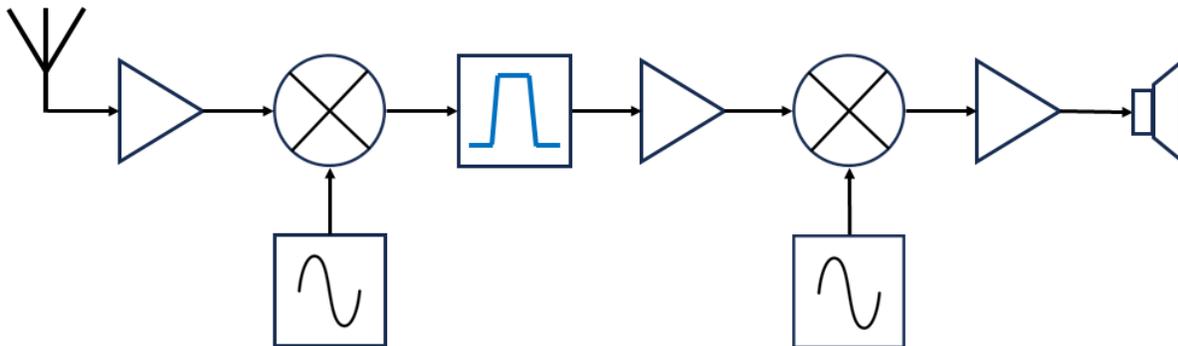
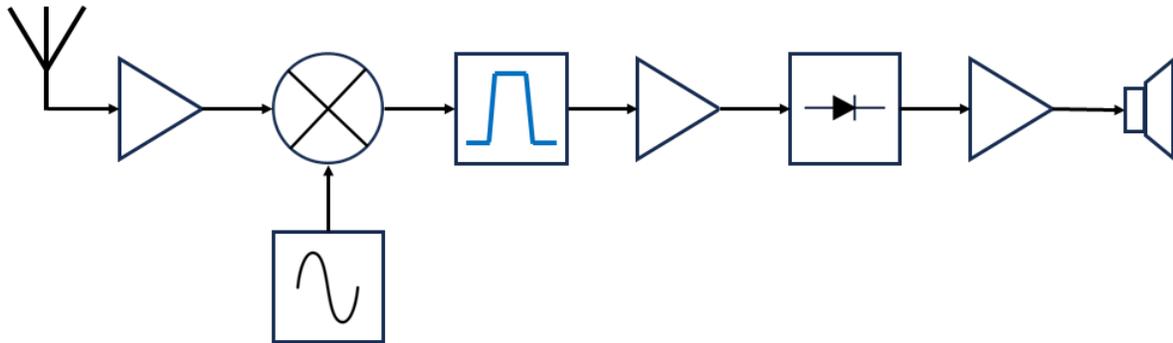
$$\frac{1}{C_t} = \frac{1}{C_1} + \frac{1}{C_2} + \frac{1}{C_3} \dots + \frac{1}{C_n}$$

$$\frac{1}{L_t} = \frac{1}{L_1} + \frac{1}{L_2} + \frac{1}{L_3} \dots + \frac{1}{L_n}$$



Reference Material for Amateur Radio Exam – Basic Qualification

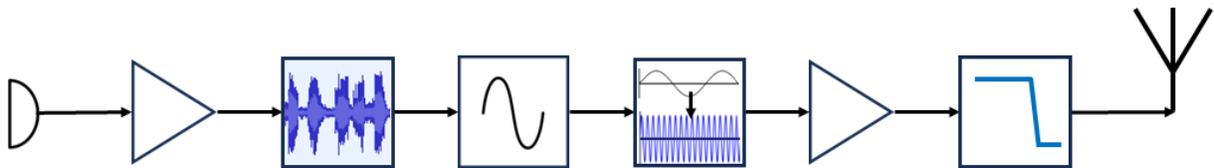
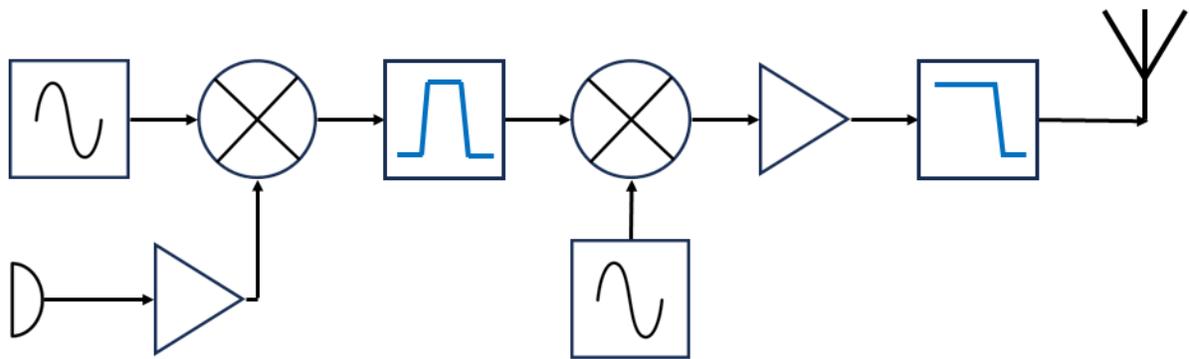
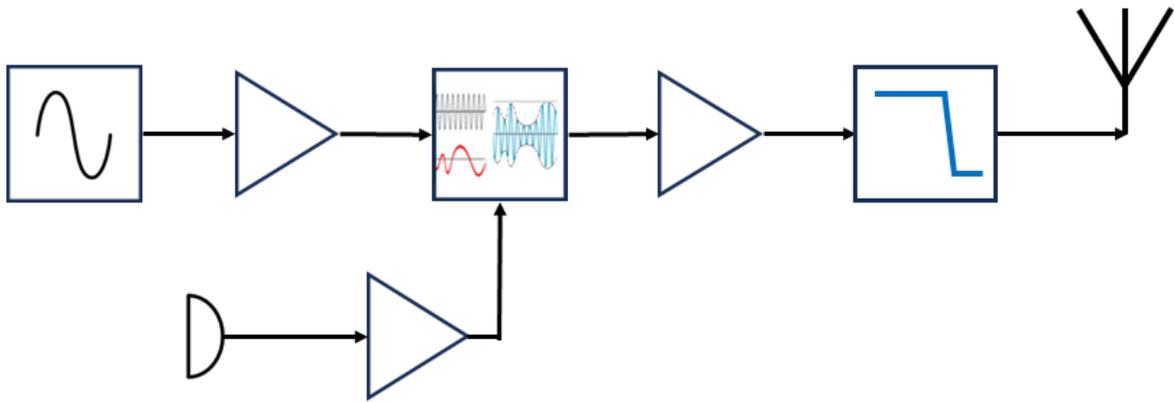
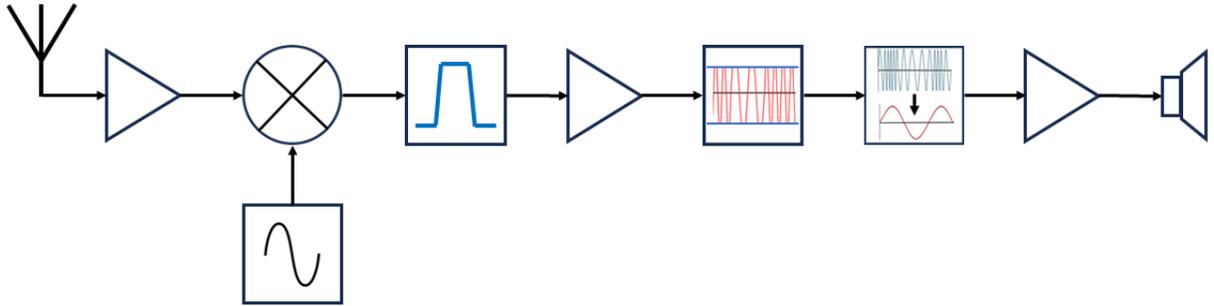
Version 1 (May 2025). This formula and diagram sheet is authorized for use during the exam for the Amateur Radio Basic Qualification.





Reference Material for Amateur Radio Exam – Basic Qualification

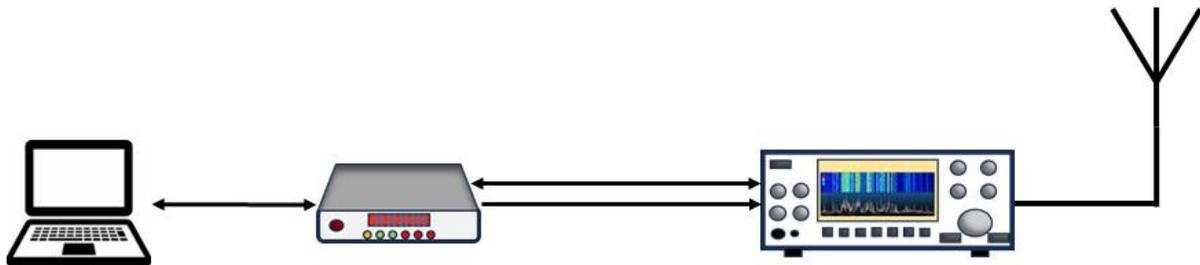
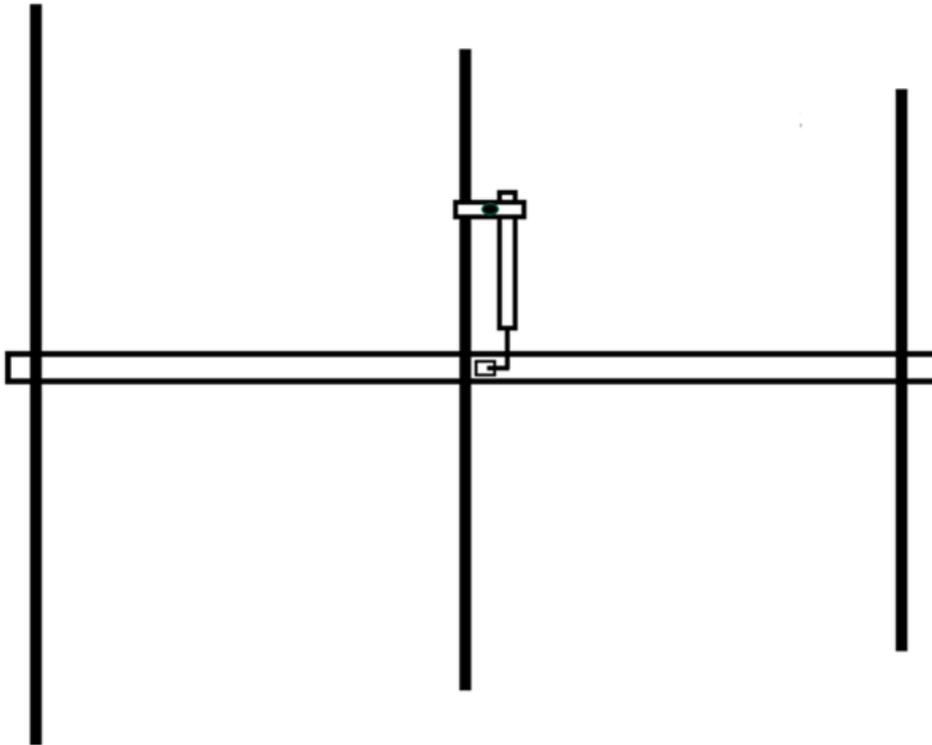
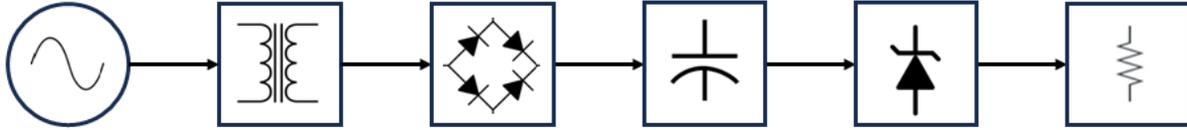
Version 1 (May 2025). This formula and diagram sheet is authorized for use during the exam for the Amateur Radio Basic Qualification.





Reference Material for Amateur Radio Exam – Basic Qualification

Version 1 (May 2025). This formula and diagram sheet is authorized for use during the exam for the Amateur Radio Basic Qualification.





Reference Material for Amateur Radio Exam – Basic Qualification

Version 1 (May 2025). This formula and diagram sheet is authorized for use during the exam for the Amateur Radio Basic Qualification.

