

Section 7

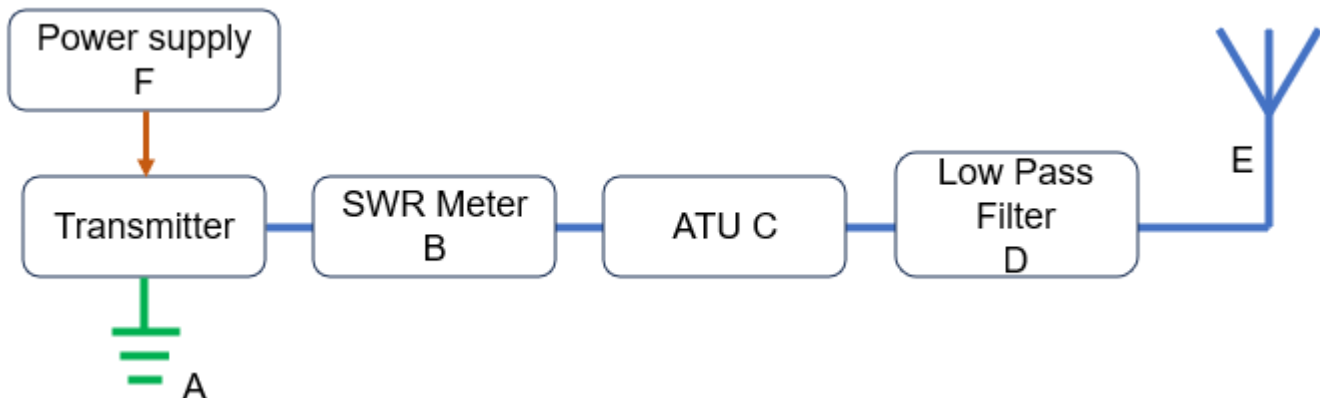
Equipment connection.

Demonstrate safely the connection of a transmitter/receiver (transceiver), ready for powering up.

Task. Physically connect a transceiver to a power source, an antenna (or dummy load). Connect an external SWR meter and antenna tuner. All interconnecting cables and equipment supplied and in an appropriate uncluttered environment. No other equipment other than that to be connected should be available. Station connected in a safe manner with devices in the correct order.

When connecting equipment, the earth is the first line connected and the power supply is the last to be connected.

When disconnecting equipment, the power supply is the first line disconnected and the earth line the last to be disconnected.



Connecting.

- Commence by connecting the earth (A) to the transmitter.
- Connect SWR meter (B) to the transmitter.
- Connect the low pass filter (C) to the SWR meter (B)
- Connect the antenna tuning unit (C) to the filter (D)
- Connect the antenna (E) to the filter (D)
- Connect the power supply (F)

Disconnecting is the reverse.

- Disconnect F
- Disconnect E
- Disconnect D
- Disconnect C
- Disconnect B
- Disconnect A

Action:

- Be able to state which is connected/ disconnected first and connected/ disconnected last.
- Be able to draw and describe this operation.

- Ensure the order of the equipment is correct.

Have fun and stay safe.