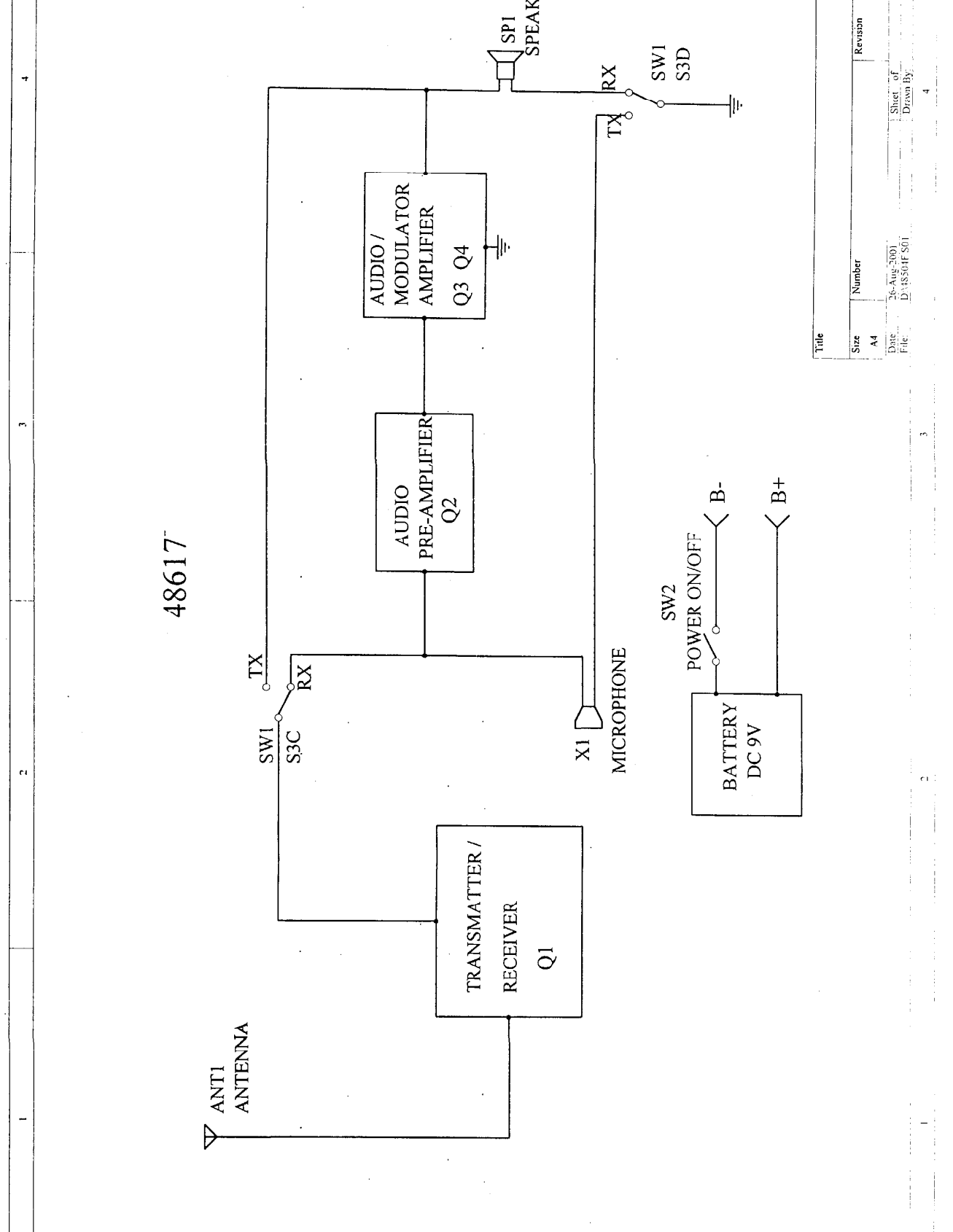


4	3	2	1



The schematic diagram illustrates a radio circuit with the following components and connections:

- ANT1 ANTENNA:** Connected to the input of the **TRANSMITTER / RECEIVER Q1**.
- TRANSMITTER / RECEIVER Q1:** A dual-function block that handles both transmission and reception. Its output is connected to a switch labeled **SW1 S3C**, which can route the signal to either the **TX** (transmit) or **RX** (receive) path.
- AUDIO PRE-AMPLIFIER Q2:** Receives the signal from the **RX** path of **Q1**. Its output is connected to the input of the **AUDIO / MODULATOR AMPLIFIER Q3 Q4**.
- AUDIO / MODULATOR AMPLIFIER Q3 Q4:** A dual-function block that amplifies the audio signal and modulates it for transmission. Its output is connected to the **TX** terminal of the **SW1 S3C** switch and also to the input of the **SPEAK** (speaker).
- SPEAK:** A speaker symbol representing the audio output of the transmitter.
- MICROPHONE X1:** Provides an external audio input to the **AUDIO PRE-AMPLIFIER Q2**.
- BATTERY DC 9V:** The power source for the circuit. It is connected to a switch labeled **SW2 POWER ON/OFF**, which controls the flow of power to the **Q2** and **Q3 Q4** stages.
- SW2 POWER ON/OFF:** A switch that turns the audio stages of the circuit on or off.
- TX and RX terminals:** External connection points for the transmitter and receiver functions, respectively.
- SW1 S3C:** A switch that selects between the antenna input and the microphone input for the receiver, and between the transmitter output and the speaker output.
- S3D:** A component connected to the **RX** terminal, possibly a filter or a second switch.