



A subsidiary of ASSA Industries, LLC

Technical Description

The transmitter requesting certification is the integration of the K&A FM transmitter module and a power amplifier/gate regulator board. The power amplifier board is used to increase the output power. In order to control spurious emissions, we have incorporated an output RF filter and a video buffer section on the front end. The power amplifier consists of a bias circuit with switching regulators to maintain constant gain on the amplifier. The video level is maintained by the camera, which is also integrated into the CamLite®. In addition, to comply with the frequency limitations of Part 90 (2450-2483.5 MHz), the K&A module is limited to operation on two channels. The channel frequencies are 2458MHz and 2474 MHz. The channel can be selected by the manufacturer of the CamLite®, but is not accessible to the end user. The antenna is an integrated printed dipole antenna on a flying lead from the transmitter placed on the inside of the CamLite®. The operation of the transmitter will consist of depressing a switch on the CamLite® to turn the transmitter on.