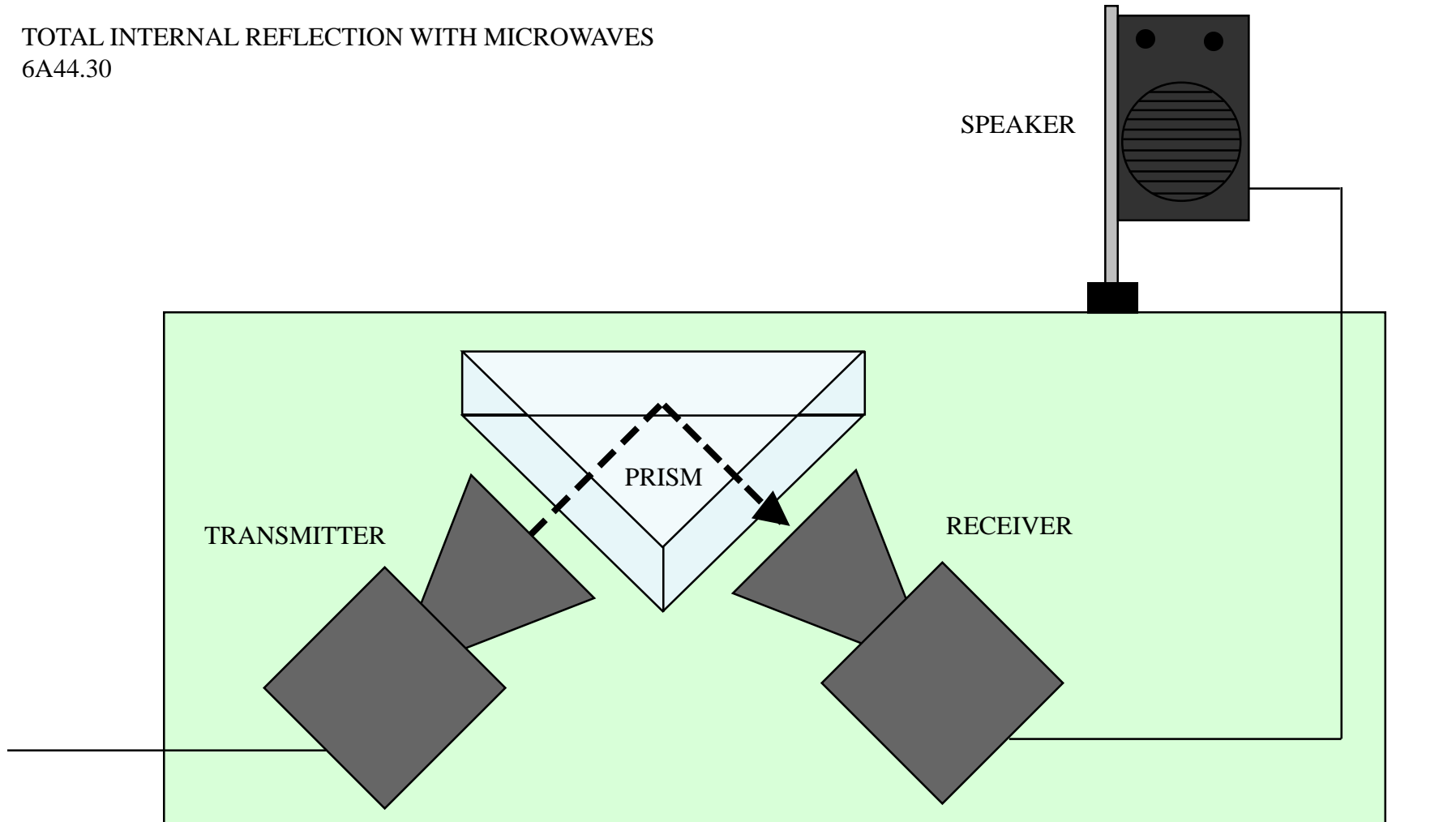


TOTAL INTERNAL REFLECTION WITH MICROWAVES
6A44.30



IF RECEIVER IS MOVED TO DIRECTLY ACROSS FROM THE TRANSMITTER THERE IS NO PICK UP OF NOISE BECAUSE THE MICROWAVES ARE REFLECTED WITHIN THE PRISM. PLACING A LUCITE BLOCK BEHIND THE PRISM CAUSES A REDUCTION IN MICROWAVES DETECTED BY THE RECEIVER.