



SUPERSONICS ELECT CO.

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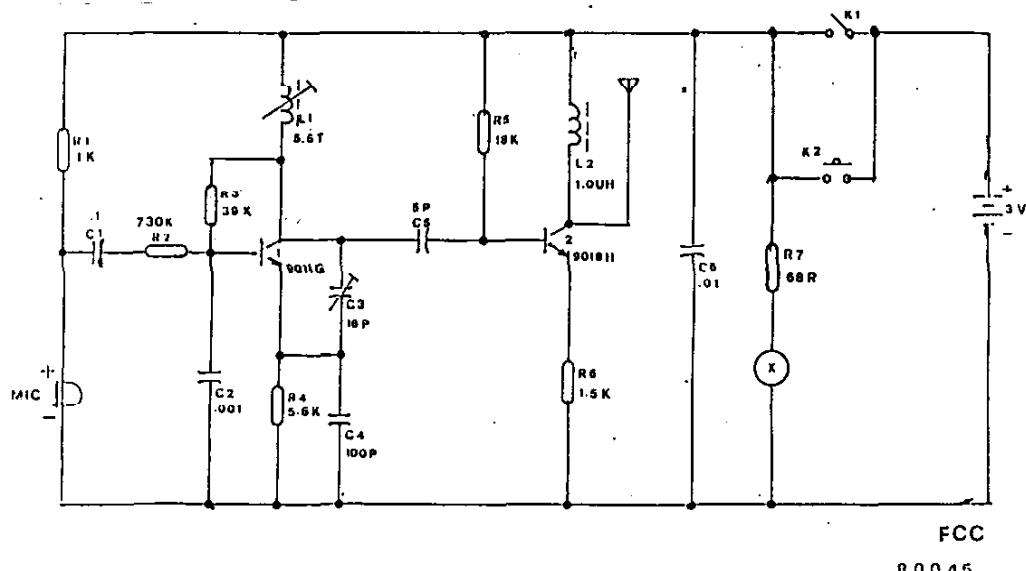
June 7, 2002.

To whom it may concern.

Dear Sir/madam,

Re: Our Item #80045 FM Wireless Lite-Up Mike

The carrier frequency 100 MHz of the FM MIC was set. The bandwidth of the modulated wave is related to amplitude of the modulating signal (Audio Signal). Refer to the modulating signal circuit as below:



When use large resistance R_2 , 730K Ω , R_3 39K Ω it will create a special working mode for the transistor 9011G. That is in the low current I_c and low voltage V_c , the output signal amplitude of the transistor 9011G will be restricted to a small value. Adjusting (designing) the resistance of R_4 to 5.6K Ω also restrict the output signal amplitude of the transistor 9011G to maintain the bandwidth which is less than 200kHz, above interpretation had been observed in the testing.

Yours truly,

For and on behalf of
SUPERSONICS ELECT CO.

Manager