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Macintosh IIcx: Radio Emissions Can Trigger Radio Devices

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Security: Everyone

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TOPIC -----

Sometimes my wireless telephone will ring when I do something on my Macintosh IIcx. Is it possible for the IIcx to set off my phone?

DISCUSSION -----

Under certain conditions, EMI or RFI levels from the Macintosh IIcx could be high enough to set off the ringer of a wireless telephone sitting on its cradle (the condition does not exist when off the cradle).

A Macintosh IIcx with HD40 SC and 2MB RAM with Apple 8-bit video card and AppleColor monitor running Director performed this trick. Every time an error condition existed, the telephone was triggered when we closed the error dialog box.

We did not try other software. MoC certification number of the telephone is 5382227A (Send Freq = 49.770 MHz, Recd Freq = 46.710 MHz). The telephone was approximately 4 feet from the monitor, and it is currently Bell's top-of-the-line model (Promenade 1250).

Complete testing has not been done, but garage door or alarm systems may also be affected.

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