

Lights, Camera, Media Literacy!
The Citizen's Guide to the Airwaves*

I. Use the "Frequency Assignments Used by Everyday Devices" chart to determine which has the higher frequency:

- 1) AM radio or FM radio? _____
- 2) mobile phones or microwave ovens? _____
- 3) highway toll tags (EZ Pass) or car alarms? _____
- 4) GPS or remote controlled toys? _____
- 5) Wi-Fi or garage door openers? _____

II. Use "The Spectrum's Worth Compared to Other Things" pictograms to determine the value of:

- 1) The Empire State Building \$ _____
- 2) McDonalds Corporation \$ _____
- 3) Gold in Fort Knox \$ _____
- 4) The U.S radio frequency waves \$ _____

Turn over the chart to see nine brochure-size sections.
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III. Use "Who Owns the Airwaves" to fill in the blanks.

"The Communications Act of 1934 states:

'It is the purpose of this Act, among other things, to maintain the control of the United States over all channels of interstate and foreign _____ transmission; and to provide for the use of such channels, but not the ownership thereof, by persons for limited periods of time, under licenses granted by _____ authority, and no such _____ shall be construed to create any right, beyond the terms, conditions, and periods of the license.'

IV. Below "Who Owns the Airwaves," find the meaning of these initials:

- 1) FCC _____
- 2) NTIA _____

V. Use "Licensed and Unlicensed Spectrum: What's the Difference?" to answer Licensed or Unlicensed?

- 1) Remote controlled toys _____
- 2) Radio stations _____
- 3) WI-FI _____
- 4) Television stations _____
- 5) Walkie-Talkies _____