

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554**

In the Matter of)	
)	
Unlicensed Operation in the TV Broadcast Bands)	ET Docket No. 04-186
)	
Additional Spectrum for Unlicensed Devices Below 900 MHz and in the 3 GHz Band)	ET Docket No. 02-380
)	

**COMMENTS OF
THE COUNTY OF LOS ANGELES, CALIFORNIA
IN RESPONSE TO FURTHER NOTICE OF PROPOSED RULEMAKING**

The County of Los Angeles (the “County”) hereby submits the following comments in response to the Commission’s *Further Notice of Proposed Rulemaking*, FCC 06-156, released October 18, 2006 (“*Further NPRM*”), in the above-captioned proceeding. These comments are limited to the Commission’s inquiry regarding operation on channels 14-20.¹

The County submitted comments in response to the initial *Notice of Proposed Rulemaking* in this proceeding, setting forth its concerns regarding potential interference to public safety radio communications from new low power devices operating in television channels 14-20 (470-512 MHz), portions of which are allocated for public safety and other land mobile use in Los Angeles and certain other metropolitan areas.² The County appreciates and fully supports the Commission’s decision in the *First Report and Order* to prohibit such devices from operating in a mobile/portable mode in the 470-

¹ *Further NPRM* at ¶56.

² Comments of the County of Los Angeles, California (Nov. 29, 2004).

512 MHz band. In the *Further NPRM*, the Commission inquires as to whether it should permit fixed devices to operate in 470-512 MHz outside of the metropolitan areas in which those frequencies are used for public safety and other land mobile operations.

The County does not believe that the Commission should authorize low power devices in 470-512 MHz. Especially if such devices are unlicensed, the danger of users moving “fixed” devices in or near areas in which the 470-512 MHz band is used for critical public safety use is simply too great. The devices in question are likely to be small and easily transportable, despite being designed for “fixed” use at a specific location.

If the Commission does permit fixed use in 470-512 MHz, there must be technical interference provisions in place to ensure that such devices would not operate if moved without authorization to an area where the band is used for land mobile. The Commission specifically asks about the size of the “exclusion zone” that would be needed to protect land mobile users. The County urges that the zone would have to be substantial, for several reasons. First, the devices that would be authorized, and any interference protection technologies being used, would be untested in real world RF environments, so a cushion of protection is needed. Second, the Commission must take into consideration that transmitters and receivers in the band are often located on mountain-top locations (especially in California), greatly expanding the interference potential. For example, the County’s land mobile system has received interference from co-channel low power television stations from as far away as Fresno (219 miles from Los Angeles).

Therefore, for the reasons set forth above and its initial comments in this proceeding, the County opposes authorization of fixed low power devices in the 470-512 MHz band.

Respectfully submitted,

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