

110TH CONGRESS  
1ST SESSION

# H. R. 462

To request a study by the Federal Communications Commission on the interference caused by broadband internet transmission over power lines.

IN THE HOUSE OF REPRESENTATIVES

JANUARY 12, 2007

Mr. ROSS introduced the following bill; which was referred to the Committee on Energy and Commerce

# A BILL

To request a study by the Federal Communications Commission on the interference caused by broadband internet transmission over power lines.

1       *Be it enacted by the Senate and House of Representa-*  
2       *tives of the United States of America in Congress assembled,*

### 3 SECTION 1. SHORT TITLE.

4 This Act may be cited as the “Emergency Amateur  
5 Radio Interference Protection Act of 2007”.

## 6 SEC. 2. COMPREHENSIVE BPL SERVICE STUDY LEADING TO

7           **IMPROVED    RULES    TO    PREVENT    INTER-**  
8           **FERENCE.**

9 (a) AUTHORITY.—Within 90 days after the date of  
10 enactment of this Act, the Federal Communications Com-

1 mission shall conduct, and submit to the Committee on  
2 Energy and Commerce of the House of Representatives  
3 and the Committee on Commerce, Science, and Transpor-  
4 tation of the Senate, a report on a study of the inter-  
5 ference potential of systems for the transmission of  
6 broadband Internet services over power lines (in this Act  
7 referred to as “BPL service”).

8 (b) REQUIRED SUBJECTS OF STUDY.—The study re-  
9 quired by this section shall examine the following:

10 (1) The variation of field strength of BPL serv-  
11 ice signals with distance from overhead power lines,  
12 and a technical justification for the use of any par-  
13 ticular distance extrapolation factor.

14 (2) The depth of adaptive, or “notch”, filtering  
15 for attenuating normally permitted BPL service ra-  
16 diated emission levels that would be necessary and  
17 sufficient to protect the reliability of mobile radio  
18 communications.

19 (3) A technical justification for the permitted,  
20 radiated emission levels of BPL signals relative to  
21 ambient levels of man-made noise from other  
22 sources.

23 (4) Options for new or improved rules related  
24 to the transmission of BPL service that, if imple-

1       mented, may prevent harmful interference to public  
2       safety and other radio communications systems.

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