

HB 522 - AS INTRODUCED

2019 SESSION

19-0261
05/01

HOUSE BILL **522**

AN ACT establishing a commission to study the environmental and health effects of evolving 5G technology.

SPONSORS: Rep. Abrami, Rock. 19; Sen. Sherman, Dist 24

COMMITTEE: Science, Technology and Energy

ANALYSIS

This bill establishes a commission to study the environmental and health effects of evolving 5G technology.

Explanation: Matter added to current law appears in ***bold italics***.
Matter removed from current law appears [~~in brackets and struckthrough.~~]
Matter which is either (a) all new or (b) repealed and reenacted appears in regular type.

STATE OF NEW HAMPSHIRE

In the Year of Our Lord Two Thousand Nineteen

AN ACT establishing a commission to study the environmental and health effects of evolving 5G technology.

Be it Enacted by the Senate and House of Representatives in General Court convened:

1 1 New Subdivision; Commission to Study the Environmental and Health Effects of Evolving 5G
2 Technology. Amend RSA 12-K by inserting after section 11 the following new subdivision:

3 Commission to Study the Environmental and Health Effects of Evolving 5G Technology

4 12-K:12 Commission Established. There is established a commission to study the
5 environmental and health effects of evolving 5G technology, which includes the use of earlier
6 generation technologies. Fifth generation, or 5G, wireless technology is intended to greatly increase
7 device capability and connectivity but also may pose significant risks to humans, animals, and the
8 environment due to increased radiofrequency radiation exposure. The purpose of the study is to
9 examine the advantages and risks associated with 5G technology, with a focus on its environmental
10 impact and potential health effects, particularly on children, fetuses, the elderly, and those with
11 existing health compromises.

12 12-K:13 Membership.

13 I. The members of the commission shall be as follows:

14 (a) Three members of the house of representatives, including one member from the
15 house science, technology, and energy committee, and one member from the health, human services
16 and elderly affairs committee, appointed by the speaker of the house of representatives.

17 (b) Two members of the senate, appointed by the president of the senate.

18 (c) A member of the public, appointed by the governor.

19 (d) The attorney general, or designee.

20 (e) Two members of the New Hampshire High Technology Council, appointed by the
21 council.

22 (f) One member representing the Business and Industry Association, appointed by the
23 association.

24 (g) One member of the New Hampshire Medical Society who specializes in
25 environmental medicine and is familiar with electromagnetic radiation, appointed by the society.

26 (h) One member representing the university system of New Hampshire knowledgeable
27 in radiofrequency radiation, appointed by the chancellor.

28 (i) One member of the cell phone/wireless technology industry, appointed by the
29 president of the senate.

30 (j) The commissioner of the department of health and human services, or designee.

1 (k) One public member with expertise in the biological effects of radiofrequency
2 radiation, appointed by the speaker of the house of representatives.

3 II. Legislative members of the commission shall receive mileage at the legislative rate when
4 attending to the duties of the commission.

5 III. The members of the commission shall elect a chairperson from among the members.
6 The first meeting of the commission shall be called by the first-named house member. The first
7 meeting of the commission shall be held within 45 days of the effective date of this section. Seven
8 members of the commission shall constitute a quorum.

9 12-K:14 Duties and Reporting Requirement.

10 I. The commission shall:

11 (a) Examine the health and environmental impacts from radiofrequency (RF) radiation
12 emitted from the waves in the 30-300 gigahertz(GHZ) range of the electromagnetic spectrum, which
13 falls somewhere between microwaves and infrared waves, and which are required with the rollout
14 of 5G technology.

15 (b) Assess the health and environmental impacts of 5G technology, which requires
16 small cell towers to be placed at a distance of 250 meters from each other at telephone pole height
17 from the ground and will operate in conjunction with the 3G and 4G technology infrastructure.

18 (c) Receive testimony from the scientific community including but not limited to
19 physicists and electrical engineers, the medical community including but not limited to cellular
20 experts and oncologists, the wireless technology industry including but not limited to cell phone
21 businesses and businesses working on the development autonomous vehicles which will rely on 5G
22 technology, as well as other organizations and members of the public with an interest in 5G
23 technology.

24 (d) Consider the following questions and the impact on New Hampshire citizens,
25 municipalities, and state government of:

26 (1) Why the insurance industry recognizes wireless radiation as a leading risk and
27 has placed exclusions in their policies not covering damages caused by the pathological properties of
28 electromagnetic radiation?

29 (2) Why do cell phone manufacturers have in the legal section within the devise
30 saying keep the phone at least 5mm from the body?

31 (3) Why have 1,000s of peer-reviewed studies, including the recently published U.S.
32 Toxicology Program 16-year \$30 million study, that are showing a wide-range of statistically
33 significant DNA damage, brain and heart tumors, infertility, and so many other ailments, being
34 ignored by the Federal Communication Commission (FCC)?

35 (4) Why are the FCC-sanctioned guidelines for public exposure to wireless radiation
36 based only on the thermal effect on the temperature of the skin and do not account for the non-
37 thermal, non-ionizing, biological effects of wireless radiation?

38 (5) Why are the FCC radiofrequency exposure limits set for the United States 100

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1 times higher than countries like Russia, China, Italy, Switzerland, and most of Eastern Europe?

2 (6) Why did the World Health Organization (WHO) signify that wireless radiation is
3 a Group B Possibly Carcinogenic to Humans category, a group that includes lead, thalidomide, and
4 others, and why are some experts who sat on the WHO committee in 2011 now calling for it to be
5 placed in the Group 1, which are known carcinogens, and why is such information being ignored by
6 the FCC?

7 (7) Why have more than 220 of the worlds leading scientists signed an appeal to the
8 WHO and the United Nations to protect public health from wireless radiation and nothing has been
9 done?

10 (8) Why have the cumulative biological damaging effects of ever-growing numbers
11 of pulse signals riding on the back of the electromagnetic sine waves not been explored, especially
12 as the world embraces the Internet of Things, meaning all devices being connected by
13 electromagnetic waves, and the exploration of the number of such pulse signals that will be created
14 by implementation of 5G technology?

15 II. The commission shall prepare and publish an interim and final report of its findings and
16 recommendations. The reports shall:

17 (a) Outline the advantages of, and risks associated with, 5G technology running in
18 conjunction with the 3G and 4G technology infrastructure.

19 (b) Develop a strategy, if deemed necessary, to limit RF radiation exposure from 5G or
20 lesser generation technology relying upon electromagnetic waves.

21 (c) Include a public policy statement on 5G wireless systems, which either declares the
22 technology safe or outlines actions required to protect the health of its citizens and environment.

23 (d) Consider alternatives to 5G technology that will accelerate information flow speeds
24 and volumes without the use of electromagnetic waves that emit high levels of radiation.

25 (e) Provide any recommendations for proposed legislation developed by the commission.

26 III. The commission shall submit the interim report required under paragraph II to the
27 speaker of the house of representatives, the president of the senate, the house clerk, the senate
28 clerk, the governor, and the state library on or before November 1, 2019, and shall submit the final
29 report on or before November 1, 2020.

30 2 Repeal. RSA 12-K:12 - 12-K:14 and the subdivision heading preceeding RSA 12-K:12, relative
31 to commission to study the environmental and health effects of the evolving 5G technology, are
32 repealed.

33 3 Effective Date.

34 I. Section 2 of this act shall take effect November 1, 2020.

35 II. The remainder of this act shall take effect upon its passage.