

HOUSE No. 2885

The Commonwealth of Massachusetts

PRESENTED BY:

Jack Patrick Lewis

To the Honorable Senate and House of Representatives of the Commonwealth of Massachusetts in General Court assembled:

The undersigned legislators and/or citizens respectfully petition for the adoption of the accompanying bill:

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

PETITION OF:

NAME:	DISTRICT/ADDRESS:	DATE ADDED:
<i>Jack Patrick Lewis</i>	<i>7th Middlesex</i>	<i>1/17/2019</i>
<i>Carlos González</i>	<i>10th Hampden</i>	<i>1/31/2019</i>
<i>Kenneth I. Gordon</i>	<i>21st Middlesex</i>	<i>1/31/2019</i>
<i>Bruce E. Tarr</i>	<i>First Essex and Middlesex</i>	<i>1/31/2019</i>
<i>Tami L. Gouveia</i>	<i>14th Middlesex</i>	<i>2/1/2019</i>
<i>Bradford Hill</i>	<i>4th Essex</i>	<i>2/1/2019</i>
<i>Thomas M. Stanley</i>	<i>9th Middlesex</i>	<i>2/1/2019</i>

HOUSE No. 2885

By Mr. Lewis of Framingham, a petition (accompanied by bill, House, No. 2885) of Jack Patrick Lewis and others for legislation to establish a special commission (including members of the General Court) to study the environmental and health effects of evolving 5G technology. Telecommunications, Utilities and Energy.

The Commonwealth of Massachusetts

**In the One Hundred and Ninety-First General Court
(2019-2020)**

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 assembled, and by the authority of the same, as follows:

1 Section 1. There shall be a special commission on the environmental and health impacts
2 of evolving 5G technology on the residents of the Commonwealth. The commission shall be
3 comprised of the house and senate chairs of the joint committee on public health as well as the
4 ranking house and senate minority members on the committee; the house and senate chairs of the
5 joint committee on telecommunication, utilities and energy and the ranking house and senate
6 minority members; the house and senate chairs of the joint committee on consumer protection
7 and professional licensure as well as the ranking house and senate minority members on the
8 committee; the commissioner of the department of public health or a designee; a scientist who is
9 a specialist in environmental medicine and is knowledgeable about the health effects of
10 electromagnetic fields who shall be appointed by the governor; a pediatrician who shall be
11 appointed by the governor; three specialists in public health or environmental medicine with

12 expertise in the biological effects of radiofrequency microwave radiation, one each who shall be
13 appointed by the governor, the senate president and the speaker of the house; a member of the
14 Massachusetts Medical Society who is a specialist in environmental medicine with expertise in
15 the biological effects of radiofrequency microwave radiation who shall serve as chair; a member
16 of the Massachusetts Board of Education; and a member of a Massachusetts school board or
17 committee. No appointee shall have a financial interest in the telecommunications, technology,
18 utility and energy industries.

19 The commission shall examine non-industry funded science for all facets of health
20 impacts of electromagnetic fields from all sources, including but not limited to cell towers,
21 "small cell" distributed antenna systems, the use of cellular devices, utility smart meters, Wi-Fi,
22 and the use of Wi-Fi in public facilities, including but not limited to public schools, libraries, and
23 health care facilities. The commission shall include in its report an investigation of the health
24 impacts of electromagnetic fields, including but not limited to the effects on reproductive
25 systems, brain function including memory loss, diminished learning, performance impairment in
26 children, headaches and neurodegenerative conditions, melatonin suppression and sleep
27 disorders, fatigue, hormonal imbalances, immune dysregulation such as allergic and
28 inflammatory responses, cardiac and blood pressure problems, genotoxic effects like
29 miscarriage, cancers such as childhood leukemia, and childhood and adult brain tumors. The
30 commission shall study whether electromagnetic radiation exposure may have a disparate impact
31 on potentially vulnerable subgroups including children, fetuses, pregnant women, the elderly and
32 those with preexisting illnesses or impairments. The commission shall investigate whether
33 children are more vulnerable to electromagnetic radiation due to their developing nervous
34 systems or other physical characteristics.

35 The commission shall convene no later than 60 days following the enactment of this
36 resolve. The commission shall file a report with the clerks of the house and senate no later than
37 July 31, 2019. The commission shall make any necessary recommendations to the General Court
38 on legislation designed to protect the health of the citizens of the Commonwealth including a
39 recommendation on whether, within public schools, children’s exposure to electromagnetic
40 fields, including those from Wi-Fi, should be eliminated or reduced. The commission may also
41 make recommendations on any other matter that may come before the commission that will
42 enhance the protection of the public health.