

MAR 16 2026

SENATE RESOLUTION

REQUESTING THE DEPARTMENT OF HEALTH TO DEVELOP, PUBLISH, AND PERIODICALLY UPDATE PUBLIC HEALTH GUIDANCE AND EDUCATIONAL MATERIALS REGARDING RADIOFREQUENCY ENERGY EXPOSURE FROM CELLULAR TOWERS.

1 WHEREAS, since the launch of fifth-generation wireless
2 technology, commonly known as 5G, in the State in 2018,
3 thousands of new small cell antennas clustered lower to the
4 ground and closer to homes and schools have been erected to
5 support its adoption; and

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7 WHEREAS, while the widespread implementation of 5G
8 purportedly supports faster and higher capacity transmissions to
9 power diverse new technologies, concerns regarding its health
10 impacts have continued, particularly due to increased
11 radiofrequency exposure resulting from more cellular towers and
12 antennas nearer to populous areas; and

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14 WHEREAS, studies have demonstrated that electromagnetic
15 radiation from cellular towers is harmful for trees, causing
16 significant damage that includes loss of leaves spreading from
17 the side of the tree facing the cellular tower; and

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19 WHEREAS, a 2018 National Toxicology Program study found
20 that radiofrequency radiation from second- and third-generation
21 cellular networks may correlate with health issues such as
22 tumors in the hearts, brains, and adrenal glands of rats; and

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24 WHEREAS, the National Toxicology Program elected not to
25 initiate a new study of the effects of fourth- and fifth-
26 generation cellular networks, however, other studies and
27 anecdotal evidence suggest 5G may pose even greater human health
28 risks; and

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30 WHEREAS, in California, for example, firefighters have
31 reportedly spent fifteen years and millions of dollars fighting
32 against the erection of cell towers located near their stations
33 due to symptoms including headaches, extreme fatigue, and
34 cognitive impairment; and



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WHEREAS, given the higher radiofrequency exposure caused by 5G and its proliferation throughout the State, it is integral to study and disseminate to the public information regarding this technology's potential health impacts; now, therefore,

BE IT RESOLVED by the Senate of the Thirty-third Legislature of the State of Hawaii, Regular Session of 2026, that the Department of Health is requested to develop, publish, and periodically update public health guidance and educational materials regarding radiofrequency energy exposure from cellular towers; and

BE IT FURTHER RESOLVED that the public health guidance and educational materials are requested to include:

- (1) Summaries of findings of relevant scientific studies;
- (2) Explanations of exposure sources and measurement methods;
- (3) Descriptions of potential effects on human health and the environment;
- (4) Information, including links to and references for applicable federal exposure standards;
- (5) An explanation of how radiofrequency energy is transmitted, how exposure occurs, and the basic principles governing its interaction with people and the environment; and
- (6) Procedures for how individuals may search for the locations of cellular towers in their neighborhoods; and

BE IT FURTHER RESOLVED that the Department of Health is requested to publish the public health guidance and educational materials on its public website and upon request, provide copies to members of the public by mail; and



1 BE IT FURTHER RESOLVED that the Department of Health is
2 requested to conduct statewide radiofrequency energy
3 measurements that:

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- 5 (1) Include measurements of fifth-generation (5G)
6 millimeter wave radiofrequency energy; and
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 - 8 (2) Specify the radiofrequency energy measurements in
9 various locations alongside the potential health and
10 environmental effects associated with those levels of
11 radiofrequency energy exposure; and
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13 BE IT FURTHER RESOLVED that the Department of Health is
14 requested to publish the statewide radiofrequency energy
15 measurements and any findings on its public website; and
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17 BE IT FURTHER RESOLVED that a certified copy of this
18 Resolution be transmitted to the Director of Health.
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OFFERED BY: Mike Hubbard

