
HOUSE CONCURRENT RESOLUTION

REQUESTING A STUDY THAT SUMMARIZES THE PUBLISHED REPORTS AND
STUDIES ON THE EFFECTS OF 5G WIRELESS TECHNOLOGY ON
BIOLOGICAL LIFE.

1 WHEREAS, 5G refers to 5th generation wireless technology
2 intended to provide faster and higher capacity transmissions to
3 carry the massive data load generated by smart devices, the
4 Internet of Things, robotics, artificial intelligence,
5 driverless cars, and other machine-to-machine connections; and
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7 WHEREAS, 5G uses spectrum in the existing Long-Term
8 Evolution frequency range, commonly known by the acronym LTE,
9 and also includes the higher millimeter wave frequencies never
10 before used for Internet or cell phones; and
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12 WHEREAS, 5G relies on millions of new small cell antennas
13 that will be clustered lower to the ground and closer to homes
14 and schools; and
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16 WHEREAS, on June 21, 2018, the Governor signed Act 49,
17 Session Laws of Hawaii 2018, which clears the way for
18 implementation of 5G in Hawaii by standardizing the process of
19 5G small cell deployments; and
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21 WHEREAS, the World Health Organization's International
22 Agency for Research on Cancer concluded in 2011 that
23 radiofrequency electromagnetic fields are possibly carcinogenic
24 to humans (Group 2B); and
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26 WHEREAS, the Council of Europe published a report on May 6,
27 2011, on the dangers to public health of electromagnetic fields,
28 calling for lowering the exposure limits; and



1 WHEREAS, United States National Institutes of Health
2 National Toxicology Program studies have found increased rates
3 of tumors in lab animals exposed to radio frequency radiation;
4 and

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6 WHEREAS, studies have found potential negative health
7 effects associated with 5G wireless radiation; and

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9 WHEREAS, due to the uncertainty of the effects of 5G on
10 biological life, a review should be conducted on the scientific
11 research regarding whether 5G could affect the health of
12 Hawaii's residents and the surrounding wildlife; now, therefore,

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14 BE IT RESOLVED by the House of Representatives of the
15 Thirtieth Legislature of the State of Hawaii, Regular Session of
16 2019, the Senate concurring, that the Legislative Reference
17 Bureau is requested to conduct a study that includes scientific
18 data on 5G and summarizes the salient points of existing
19 published reports and studies from reputable sources that have
20 evaluated the effects of 5G on biological life, highlighting any
21 information that could apply to the biological life of Hawaii;
22 and

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24 BE IT FURTHER RESOLVED that the Legislative Reference
25 Bureau is requested to submit a report of its findings to the
26 Legislature no later than twenty days prior to the convening of
27 the Regular Session of 2020; and

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29 BE IT FURTHER RESOLVED that a certified copy of this
30 Concurrent Resolution be transmitted to the Director of the
31 Legislative Reference Bureau.

