

MAR - 3 2020

SENATE CONCURRENT RESOLUTION

REQUESTING THE DEPARTMENT OF HEALTH TO CONDUCT A STUDY OF THE ENVIRONMENTAL AND HEALTH EFFECTS OF FIFTH-GENERATION WIRELESS TECHNOLOGY.

1 WHEREAS, 5G refers to fifth-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
6

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
11

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
15

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 increased radio-frequency radiation exposure
22 resulting from more towers being placed closer to the ground may
23 pose risks to the environment and health; and
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25 WHEREAS, studies have found potential negative health
26 effects associated with 5G wireless radiation; and
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28 WHEREAS, the insurance industry may have placed exclusions
29 in policies to exempt damage caused by this technology and
30 certain manufacturers provide warnings to consumers regarding
31 the reception of devices using this technology; and
32



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1 WHEREAS, input is needed from the technological and other
 2 communities as well as persons involved with developing 5G
 3 technology; and

4
 5 WHEREAS, a study is warranted to examine the advantages and
 6 risks associated with 5G technology, with a focus on the
 7 environmental impact and potential health related effects; now,
 8 therefore,

9
 10 BE IT RESOLVED by the Senate of the Thirtieth Legislature
 11 of the State of Hawaii, Regular Session of 2020, the House of
 12 Representatives concurring, that the Department of Health is
 13 requested to conduct a study on the environmental and health
 14 effects of evolving 5G technology; and

15
 16 BE IT FURTHER RESOLVED that the Department of Health is
 17 requested to submit a report of its findings to the Legislature
 18 no later than twenty days prior to the convening of the Regular
 19 Session of 2021; and

20
 21 BE IT FURTHER RESOLVED that certified copies of this
 22 Concurrent Resolution be transmitted to the Governor and
 23 Director of Health.

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