
HOUSE RESOLUTION

REQUESTING A STUDY OF THE ENVIRONMENTAL AND HEALTH EFFECTS OF
FIFTH-GENERATION TECHNOLOGY.

1 WHEREAS, fifth-generation wireless (5G) technology is
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 technology uses the spectrum in the existing
8 Long-Term Evolution frequency range, commonly known by the
9 acronym LTE, and also includes the higher millimeter wave
10 frequencies never before used for the Internet or cell phones;
11 and
12

13 WHEREAS, 5G technology relies on thousands of new small
14 cell antennas that will be clustered lower to the ground and
15 closer to homes and schools; and
16

17 WHEREAS, on June 21, 2018, the Governor signed Act 49,
18 Session Laws of Hawaii 2018, which cleared the way for
19 implementation of 5G technology in Hawaii by standardizing the
20 process of 5G small cell deployments; and
21

22 WHEREAS, the World Health Organization's International
23 Agency for Research on Cancer concluded in 2011 that
24 radiofrequency electromagnetic fields are possibly carcinogenic
25 to humans (Group 2B); and
26

27 WHEREAS, the Council of Europe published a report on May 6,
28 2011, on the dangers to public health of electromagnetic fields,
29 calling for lowering the exposure limits; and
30

31 WHEREAS, United States National Institutes of Health
32 National Toxicology Program studies have found increased rates



H.R. NO. 63

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