
HOUSE RESOLUTION

REQUESTING THE UNIVERSITY OF HAWAII TO ESTABLISH A RELIABLE,
INDEPENDENT, AND TRANSPARENT METHODOLOGY TO ASSESS EFFECTS
OF RADIO FREQUENCY EMISSIONS GENERATED BY WIRELESS ANTENNA
SITES.

1 WHEREAS, 5G refers to fifth-generation wireless technology,
2 which is intended to provide faster and higher-capacity
3 transmissions to carry the massive data load generated by smart
4 devices, the Internet of Things, robotics, artificial
5 intelligence, driverless cars, and other machine-to-machine
6 connections; and
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8 WHEREAS, on June 21, 2018, the Governor signed Act 49,
9 Session Laws of Hawaii 2018 (Act 49), which cleared the way for
10 widespread implementation of 5G in Hawaii; and
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12 WHEREAS, consumer demand and the passage of Act 49 have led
13 to an increase in wireless antenna sites in and around
14 neighborhoods, schools, and workplaces; and
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16 WHEREAS, in the absence of credible data and information,
17 public perceptions concerning wireless technologies have too
18 often been shaped by speculation and misinformation rather than
19 verifiable scientific evidence; and
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21 WHEREAS, Hawaii has over four thousand wireless antenna
22 sites, many of which accommodate multiple wireless carriers, and
23 with the rapid deployment of 5G networks to deliver faster and
24 more reliable communications, additional wireless antenna sites
25 and radio frequency transmitting antennas will be deployed to
26 deliver better and expanded services to consumers and business
27 customers; and
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29 WHEREAS, Hawaii needs to ensure that growth in new wireless
30 technologies, and corresponding growth in wireless transmitting
31 antennas, occurs in a responsible and managed manner, consistent



1 and compliant with Federal Communications Commission
2 regulations; and
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4 WHEREAS, the University of Hawaii is uniquely capable of
5 providing reliable, independent, transparent, credible,
6 verifiable, and scientific analysis concerning wireless
7 technologies; now, therefore,
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9 BE IT RESOLVED by the House of Representatives of the
10 Thirty-first Legislature of the State of Hawaii, Regular Session
11 of 2022, that the University of Hawaii is requested to establish
12 a reliable, independent, and transparent methodology to assess
13 the effects of radio frequency emissions generated by wireless
14 antenna sites; and
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16 BE IT FURTHER RESOLVED that as part its methodology, the
17 University of Hawaii is requested to establish a process to
18 determine the most appropriate means of providing the public,
19 workers, and others who may be in close proximity to a radio
20 frequency transmitting antenna with information that supports
21 compliance with the Federal Communications Commission's
22 regulations pursuant to title 47 C.F.R. section 1.1307(b), which
23 establishes requirements for applicants seeking authorizations
24 for radiofrequency sources, including compliance with limits on
25 human exposure to radiofrequency; and
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27 BE IT FURTHER RESOLVED that the University of Hawaii is
28 requested to thoroughly consider all of the following:
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- 30 (1) A central data repository in which the information can
31 be stored and that can be accessed by authorized
32 users, including radio frequency emission information
33 for each transmitting facility;
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- 35 (2) The radio frequency information should include all
36 necessary radio frequency emission characteristics of
37 the facility (e.g., transmitter power, transmit
38 frequency, and antenna type) provided by each Federal
39 Communications Commission licensee to the State of
40 Hawaii or a designated third party, together with any
41 updates, to ensure that the public, workers, or others
42 who may be exposed to radio frequency emission areas



1 that can exceed the Federal Communications
2 Commission's allowable radio frequency exposure limits
3 are not exposed to radio frequency emission limits
4 above the Federal Communications Commission's
5 allowable radio frequency exposure limits;

6
7 (3) The information should include visual depictions of
8 the radio frequency emissions in relationship to the
9 physical improvements at the facility, such that any
10 or all visual depictions of the radio frequency
11 emissions can be attributed to a particular antenna or
12 sector at the facility with the latest information;

13
14 (4) A capability for exchanging information about
15 facilities and coordinating communications about the
16 facilities, with respect to a particular facility and
17 with respect to multiple facilities, persons who own
18 or control sites where the facilities are located,
19 contractors performing work on the facilities or at
20 such sites, persons who employ individuals performing
21 work on the facilities or at such sites or hire
22 individuals performing work on the facilities or at
23 such sites, and emergency-services agencies or
24 personnel;

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26 (5) The ability for authorized persons to access and use
27 the latest available radio frequency emission
28 information in the repository established under this
29 measure;

30
31 (6) The ability to record by whom and the date on which
32 the information was accessed to ensure compliance with
33 any legal requirements;

34
35 (7) A method to annually audit the site-specific safety
36 information to ensure the accuracy of critical safety
37 information;

38
39 (8) A method that provides insurance to parties affected
40 by radio frequency exposure, including Federal
41 Communications Commission licensees, property owners,
42 employers, and state and local governments, for radio



frequency-related injury claims at all wireless antenna sites to minimize exposure to an uninsured risk and potential claims and litigation;

(9) An independent radio frequency compliance third party to administer and provide services with regard to the proper creation, distribution, access, updates, and management of the information required in paragraphs (1) through (8), and provide any other additional related services as may be deemed necessary by the University of Hawaii;

(10) Whether to prequalify a prospective third-party radio frequency compliance administrator and service provider for the performance of the services in this measure and limit a solicitation to those prequalified administrators and service providers;

(11) A method to secure funding to be used for the services to be provided pursuant to this measure, including any surcharges imposed upon wireless communications service providers; and

(12) Whether the amount of regulatory recovery costs being paid per month by consumers to wireless carriers in Hawaii, as outlined in the Federal Communications Commission's Truth in Billing Act, are being effectively and efficiently utilized by those carriers for compliance with site radio frequency safety regulations; and

BE IT FURTHER RESOLVED that the University of Hawaii is requested to submit a report of its findings and recommendations, including any proposed legislation, to the Legislature no later than twenty days before the convening of the Regular Session of 2023; and

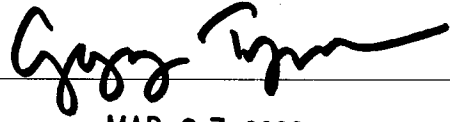
BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the President of the University of Hawaii System and Chairperson of the Board of Regents of the University of Hawaii System.



H.R. NO. 32

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OFFERED BY:



MAR 07 2022

