
HOUSE RESOLUTION

REQUESTING THE DEPARTMENT OF HEALTH TO CONDUCT A STUDY ON THE POTENTIAL HEALTH RISKS OF 5G WIRELESS TECHNOLOGY, INCLUDING PEER REVIEWED SCIENTIFIC DATA ON 5G, AND A MORATORIUM BE IMPLEMENTED ON CURRENT AND FUTURE DEPLOYMENT OF 5G AND RELATED TECHNOLOGY UNTIL THE STUDY IS COMPLETED.

1 WHEREAS, the Precautionary Principle states "[w]hen an
2 activity raises threats of harm to human health or the
3 environment, precautionary measures should be taken even if some
4 cause-and-effect relationships are not fully established
5 scientifically"; and

6
7 WHEREAS, 5G refers to the fifth generation of wireless
8 technology; and

9
10 WHEREAS, the intended purpose of 5G is to provide faster
11 and higher capacity transmissions to carry the massive amount of
12 data that the wireless industry projects will be generated from
13 the Internet of Things, smart cities, driverless cars, video
14 streaming, augmented reality, and more; and

15
16 WHEREAS, higher millimeter wave frequencies needed for 5G
17 have never been used for the Internet and telecommunications
18 technology and do not travel well through buildings, and will
19 likely require development of numerous small cell wireless
20 telecommunications facilities; and

21
22 WHEREAS, human exposure guidelines for radiofrequency
23 microwave radiation used by the Federal Communications
24 Commission (FCC) are more than 20 years old, and address only
25 thermal, not biological impacts of exposure; the guidelines have
26 been the subject of an open FCC docket since 2013 with no
27 resolution, creating an uncertain regulatory environment; and

28
29 WHEREAS, there have been studies that have shown exposure
30 to various levels and frequencies of wireless radiation may
31 cause harm to people and the surrounding environment; and



H.R. NO. 128

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41

WHEREAS, oxidative damage, altered intracellular signaling, membrane effects, direct effects on proteins, and free radical production have all been identified as potential biological effects of exposure to radiofrequency microwave radiation; and

WHEREAS, in 2011, the International Agency for Research on Cancer of the World Health Organization classified radiofrequency electromagnetic fields as possibly carcinogenic to humans based on an increased risk of glioma, a malignant type of brain cancer, associated with wireless phone use; and

WHEREAS, a ten-year, \$30-million dollar study was conducted by the National Toxicology Program of the United States Institutes of Health to determine whether exposure to radiofrequency radiation from cell phones and other wireless devices can cause cancer, and in 2018 concluded that high levels of radiofrequency radiation exposed to certain animals led to cancerous heart tumors; experts have labeled this study as "clear evidence" of a link between radiofrequency microwave radiation and increased cancer risk; and

WHEREAS, a 2018 study by the Ramazzini Institute in Italy found that male rats exposed to the radiofrequency radiation emitted by distant cell towers had a greater chance of developing heart tumors than those which were not exposed; and

WHEREAS, more than 250 medical and public health professionals have signed a joint statement urging government officials to consider the latest science on microwave radiation and human health, especially as it may be resulting in abnormal brain development in unborn children; and

WHEREAS, on April 25, 2018, the Honolulu City Council passed Resolution 18-34, FD1, which approves a non-exclusive license agreement with Mobilitie, LLC, to install small cell telecommunications facilities on city-owned street lights within the City's right-of-way; and

WHEREAS, on June 21, 2018, the Governor signed Act 49, Session Laws of Hawaii 2018, which establishes a process to



1 upgrade and support next-generation wireless broadband
2 infrastructure throughout the State by standardizing the process
3 of 5G small cell wireless technology deployment; and
4

5 WHEREAS, these small cell telecommunication facilities will
6 be located near residences, schools, medical facilities,
7 restaurants, shopping centers, and government agencies; and
8

9 WHEREAS, the effects of 5G technology on biological life
10 remain uncertain and more research needs to be conducted on the
11 possible effects of introducing 5G technology on the State's
12 residents and the environment; now, therefore,
13

14 BE IT RESOLVED by the House of Representatives of the
15 Thirtieth Legislature of the State of Hawaii, Regular Session of
16 2020, that the Department of Health is requested to conduct a
17 study on the potential health risks of 5G wireless technology,
18 including peer reviewed scientific data on 5G; and
19

20 BE IT FURTHER RESOLVED that in conducting its study, the
21 Department of Health is requested to summarize existing
22 published reports and studies that have evaluated the effects of
23 5G wireless technology on biological life, highlighting any
24 information that can apply to the State; and
25

26 BE IT FURTHER RESOLVED that the Department of Health is
27 requested to implement a moratorium on current and future
28 deployment of 5G and related technology until the study is
29 completed; and
30

31 BE IT FURTHER RESOLVED that the Department of Health is
32 requested to submit a report of its findings and
33 recommendations, including any proposed legislation, to the
34 Legislature no later than twenty days prior to the convening of
35 the Regular Session of 2021; and
36

37 BE IT FURTHER RESOLVED that certified copies of this
38 Resolution be transmitted to the Director of Health.



1
2
3

OFFERED BY:

Richard L. Bryant

James C. ...

De Het

...

...

...

...

...

John M. ...

MAR - 6 2020

