
HOUSE CONCURRENT RESOLUTION

REQUESTING THE DEPARTMENT OF TRANSPORTATION TO ADOPT OR AMEND
ADMINISTRATIVE RULES TO PROHIBIT THE INSTALLATION OR
DEPLOYMENT OF FACILITIES THAT USE FIFTH-GENERATION CELLULAR
NETWORK TECHNOLOGY, OR 5G TECHNOLOGY, NEAR STATE AIRPORTS
AND NAVIGATIONAL EQUIPMENT.

1 WHEREAS, fifth-generation cellular network technology, or
2 5G technology, is the latest iteration of cellular technology
3 that is engineered to greatly increase the speed and
4 responsiveness of wireless networks; and
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6 WHEREAS, the impending rollout of 5G technology poses a
7 serious threat to aviation safety within the State; and
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9 WHEREAS, while 5G technology has been deployed near or
10 around airports in foreign countries, the rollout of 5G
11 technology in the United States is different because mobile
12 phone companies in the United States rolling out 5G technology
13 will be using a spectrum of radio waves with frequencies between
14 3.7 and 3.98 Gigahertz, known as the C-Band, whereas in other
15 areas, such as Europe, 5G technology will be using a slower 3.4
16 to 3.8 Gigahertz range of spectrum; and
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18 WHEREAS, the aviation industry in the United States has
19 expressed concerns that the spectrum of radio waves used by 5G
20 technology is too close to the spectrum of 4.2 to 4.4 Gigahertz
21 used by radar altimeters, which tell pilots how far they are
22 from the ground; and
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24 WHEREAS, Hawaii is critically dependent upon air travel to
25 support the visitor industry, which is the number one economic
26 driver in the State; provide for the critical transportation of
27 goods and services between islands for the economy and the basic
28 quality of life that Hawaii citizens need in a multi-island



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1 state; and for business activities and necessary medical care;
2 and

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4 WHEREAS, although the overall use of 5G technology and
5 airplane activity are within the realm of the federal
6 government, it is properly within the State's purview to
7 regulate the installation of telecommunication technologies that
8 may pose a hazard near or around state airports; and

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10 WHEREAS, due to the uncertainty of the effects of 5G
11 technology on navigational equipment, the installation of 5G
12 technology around state airports and other navigational
13 equipment should be restricted; now, therefore,

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15 BE IT RESOLVED by the House of Representatives of the
16 Thirty-first Legislature of the State of Hawaii, Regular Session
17 of 2022, the Senate concurring, that the Department of
18 Transportation is requested to adopt or amend its administrative
19 rules to prohibit wireless facilities and any modified or
20 replacement utility poles used for the collocation of small
21 wireless facilities that use fifth-generation cellular network
22 technology from being installed or deployed near state airports
23 and navigational equipment; and

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25 BE IT FURTHER RESOLVED that the Department of
26 Transportation is requested to work with the Air Line Pilots
27 Association, International, to determine the appropriate radius
28 around a state airport or navigational equipment in which a
29 wireless facility and any modified or replacement utility pole
30 used for the collocation of small wireless facilities that use
31 fifth-generation cellular network technology should be
32 prohibited from being installed or deployed; and

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34 BE IT FURTHER RESOLVED that certified copies of this
35 Concurrent Resolution be transmitted to the Director of
36 Transportation and President of Air Line Pilots Association,
37 International.

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40 OFFERED BY: 

