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## HOUSE RESOLUTION

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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  
29 state; and for business activities and necessary medical care;  
30 and



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2 WHEREAS, although the overall use of 5G technology and  
3 airplane activity are within the realm of the federal  
4 government, it is properly within the State's purview to  
5 regulate the installation of telecommunication technologies that  
6 may pose a hazard near or around state airports; and  
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8 WHEREAS, due to the uncertainty of the effects of 5G  
9 technology on navigational equipment, the installation of 5G  
10 technology around state airports and other navigational  
11 equipment should be restricted; now, therefore,  
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13 BE IT RESOLVED by the House of Representatives of the  
14 Thirty-first Legislature of the State of Hawaii, Regular Session  
15 of 2022, that the Department of Transportation is requested to  
16 adopt or amend its administrative rules to prohibit wireless  
17 facilities and any modified or replacement utility poles used  
18 for the collocation of small wireless facilities that use fifth-  
19 generation cellular network technology from being installed or  
20 deployed near state airports and navigational equipment; and  
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22 BE IT FURTHER RESOLVED that the Department of  
23 Transportation is requested to work with the Air Line Pilots  
24 Association, International, to determine the appropriate radius  
25 around a state airport or navigational equipment in which a  
26 wireless facility and any modified or replacement utility pole  
27 used for the collocation of small wireless facilities that use  
28 fifth-generation cellular network technology should be  
29 prohibited from being installed or deployed; and  
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31 BE IT FURTHER RESOLVED that certified copies of this  
32 Resolution be transmitted to the Director of Transportation and  
33 President of Air Line Pilots Association, International.  
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OFFERED BY: 

MAR 11 2022

