



DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT & TOURISM

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Statement of
MIKE MCCARTNEY
Director
Department of Business, Economic Development, and Tourism
before the
HOUSE COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS
AND
HOUSE COMMITTEE ON INTRASTATE COMMERCE

Monday, June 22, 2020
11:15 a.m.
State Capitol, Conference Room 329

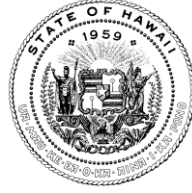
In consideration of
SB 2527, SD2
RELATING TO BROADBAND SERVICE INFRASTRUCTURE.

Chairs McKelvey and Ohno, Vice Chairs Kitagawa and Kobayashi and members of the Committee. The Department of Business, Economic Development and Tourism (DBEDT) **supports** the intent of SB2527, SD2, which establishes the broadband service infrastructure grant program to award grants to applicants to extend deployment of facilities used to provide broadband service to unserved and underserved areas of the State. As recognized by recent stay-at-home orders, the need for ubiquitous broadband is critical for telework, distance education, telehealth, access to government services and ecommerce.

We have the following comments for consideration:

1. DBEDT has limited resources to create the policies, rules, procedures and reports necessary to successfully implement this program.
2. Amend SECTION 3 to read: Within eighteen (18) months of the approval of this Act, the department of business, economic development, and tourism shall adopt rules pursuant to chapter 91, Hawaii Revised Statutes, to implement the broadband infrastructure grant program;...
3. DBEDT appreciates the intent of the bill provided it does not replace priorities included in the Executive Budget.

Thank you for the opportunity to testify on this measure.



DAVID Y. IGE
GOVERNOR

JOSH GREEN
LT. GOVERNOR

**STATE OF HAWAII
OFFICE OF THE DIRECTOR
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS**

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CATHERINE P. AWAKUNI COLÓN
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Testimony of the Department of Commerce and Consumer Affairs

**Before the
House Committee on Economic Development and Business
and
House Committee on Intrastate Commerce
Monday, June 22, 2020
11:15 a.m.
State Capitol, Conference Room 329**

**On the following measure:
S.B. 2527, S.D. 2, RELATING TO BROADBAND SERVICE INFRASTRUCTURE**

WRITTEN TESTIMONY ONLY

Chair McKelvey, Chair Ohno, and Members of the Committees:

My name is Ji Sook “Lisa” Kim, and I am the Cable Administrator of the Department of Commerce and Consumer Affairs’ (Department) Cable Television Division. The Department offers comments on this bill.

The purpose of this bill is to establish a broadband infrastructure grant program administered by the Department of Business, Economic Development, and Tourism to award grants to extend infrastructure used to provide broadband service to unserved and underserved areas of the State.

With more people utilizing telework, telemedicine, and telelearning, access to affordable broadband services has grown increasingly essential in today’s world to participate fully in our economy and society. Federal funding programs, such as the

Federal Communications Commission's (FCC) Connect America Fund (CAF) program, have awarded significant funding to extend broadband access to unserved and underserved census areas in Hawaii, but certain residents remain without access to any wired internet service or to service at speed thresholds currently used to define "broadband-level" service. The Department thus recognizes that a state-level grant program could provide funding to expand broadband service for residents in locations that currently may not qualify for or receive federal funding. Such a program, especially if crafted to be provider- and technology-neutral to better address Hawaii's unique geographical challenges, could help to bridge the State's broadband gap and allow all residents to benefit from the services and opportunities afforded by access to broadband no matter where they live.

The Department notes, however, that the FCC recently established the Rural Digital Opportunity Fund (RDOF), the CAF program successor, which will provide \$20.4 billion in nationwide broadband deployment funding. FCC guidance for the RDOF program announced specific procedures aimed at eliminating "duplicative" support, including removing funding eligibility for census blocks for which other federal or state subsidies were awarded. Given that Phase I of the RDOF is in its initial stage, it is unclear what impact awards under the proposed state grant program could have on receipt of funding under current and future phases of the RDOF. Thus, while the Department supports the potential of this grant program to act as a complementary source of funding to areas not reached by RDOF and other federal funding programs, the Committees may wish to consult with the State's service providers that have expertise and experience with the FCC's programs and other federal funding programs on the potential impacts of this bill on future qualification for RDOF funding and possible ways to mitigate those impacts.

SB-2527-SD-2

Submitted on: 6/20/2020 5:36:48 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Benton Kealii Pang, Ph.D.	Individual	Support	No

Comments:

I support SB2527 SD2 because it provides important broadband access for underserved locations in our State. As we have found during the COVID19 pandemic, our keiki in low-income areas suffer from the lack of broadband access and are at a disadvantage for online learning. Please pass SB2527 SD2.

SB-2527-SD-2

Submitted on: 6/20/2020 7:09:56 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Michael McPherson	Individual	Oppose	No

Comments:

5G is dangerous to human health, animal, and aquatic life. It's especially harmful for developing fetuses and children. Until it's further researched and its safety is proven, it should not be deployed. This is a human health issue.

SB-2527-SD-2

Submitted on: 6/20/2020 7:10:26 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Rev. Roma Carlisle	Individual	Oppose	No

Comments:

Stop this horrific attack on our health.

SB-2527-SD-2

Submitted on: 6/20/2020 7:12:07 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
bonnie fish	Individual	Oppose	No

Comments:

5G is harmful to our health as is 4G except 100 times worse. there are thousands of studies to prove this yet the captured FCC is beholden to the tech companies and we are going to suffer the consequences if this is not stopped or at least paused for further enquiry into health risks. please please don't sacrifice our health by promoting 5G!
SAVE HAWAII

SB-2527-SD-2

Submitted on: 6/20/2020 7:13:22 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Hans Kleinert	Individual	Oppose	No

Comments:

Aloha,

I am opposing funding.

Mahalo

Hans Kleinert

SB-2527-SD-2

Submitted on: 6/20/2020 7:24:55 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Debra	KeepYourPower.org	Oppose	No

Comments:

The proliferation of cell towers and antennas is opposed by Hawaii residents. Here are 12 reasons why:

1) Here is evidence of cell tower deaths:

<https://scientists4wiredtech.com/sebastopol/#death>

2) Wireless infrastructure reduces property values <https://ehtrust.org/cell-phone-towers-lower-property-values-documentation-research/>

3) CBS reports Sprint shut down a cell tower due to increase in childhood cancer:

<https://www.youtube.com/watch?v=psDrvMwbq48>

4) Children are much more vulnerable to wireless radiation due to their developmental stages. It's not worth the risk of harming the keiki:

www.AmericansForResponsibleTech.org/scientific-studies

5) Wireless radiation damages the environment including birds, bees, trees, plants, animals, insects: <https://ehtrust.org/science/bees-butterflies-wildlife-research-electromagnetic-fields-environment/> We need to protect the environment and all of its creatures. <https://www.fastcompany.com/90165365/smartphones-are-wrecking-the-planet-faster-than-anyone-expected>

6) Towers. antennas are harmful to our health: <https://ehtrust.org/science/cell-towers-and-cell-antennae/compilation-of-research-studies-on-cell-tower-radiation-and-health/>

7) The densification of towers poses risks to security, privacy, health and the environment: <https://electromagnetichealth.org/wp-content/uploads/2018/01/Media-Advisory-Long-Form.pdf>

8) Firefighters unions oppose cell towers due to health effects:

<https://ehtrust.org/firefighter-unions-opposing-cell-towers/>

9) Frank Clegg, former President of MicroSoft Canada, has nothing to gain by opposing his own industry, but has now dedicated his life to warning people about the dangers of wireless radiation: <https://www.youtube.com/watch?v=DIV39-KOzh0>

10) California city blocked 5G due to cancer concerns:

<https://techcrunch.com/2018/09/10/bay-area-city-blocks-5g-deployments-over-cancer-concerns/>

11) More than 215 scientists from 40 countries appeal to the United Nations for protection from wireless radiation:

https://www.researchgate.net/publication/298533689_International_Appeal_Scientists_call_for_protection_from_non-ionizing_electromagnetic_field_exposure

12) Dr. Martin Pall's dire warning about 5G, 90 pages, 139 references:

<https://peaceinspace.blogspot.com/files/5g-emf-hazards--dr-martin-l.-pall--eu-emf2018-6-11us3.pdf>

SB-2527-SD-2

Submitted on: 6/20/2020 7:26:44 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Amanda	Individual	Oppose	No

Comments:

5g has not been tested for long term safety. It emits radiation at dangerous levels, which effect the environment and humans/ animals. Our tax dollars should be spent funding technology that is environmentally friendly, not spent on destructive technology that touts high speeds to the detriment of all living things.

SB-2527-SD-2

Submitted on: 6/20/2020 7:32:56 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Nadine NEWLIGHT	Individual	Oppose	No

Comments:

Aloha--

As a long-time Maui resident, retired principal, tutu, and science girl, I urge you to defeat this bill! 5G is a proven dangerous modality and we do NOT want it in Paradise. Please don't let it come here, like GMOs, and then we have to work 100x as hard to get rid of it, once you understand the perils!

Mahalo

Nai`a Newlight

Ha`iku

naia96708@yahoo.com

SB-2527-SD-2

Submitted on: 6/20/2020 7:35:36 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Sulara James	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 7:36:45 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Aline Huntly	Individual	Oppose	No

Comments:

I do NOT want my tax dollars to fund grants to extend deployment of wireless infrastructure to rural areas. I live in the countryside to GET AWAY from cell phone towers. The link between wireless radiation and multiple health issues has been well documented and 5G millimeter waves are likely to be even more harmful. Thorough testing is needed.

SB-2527-SD-2

Submitted on: 6/20/2020 7:37:31 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Deborah Umiamaka	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 7:44:21 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
John Anselm	Individual	Oppose	No

Comments:

Aloha;

I am strongly opposed to the bill SB2527. Many studies have shown that 5G is a health hazard.

Mahalo,

John J. Anselm

Makawao

SB-2527-SD-2

Submitted on: 6/20/2020 7:45:52 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Laura Moorehead	Individual	Oppose	No

Comments:

I do not support 5G

SB-2527-SD-2

Submitted on: 6/20/2020 7:48:05 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jen	Individual	Oppose	No

Comments:

I do not agree with this bill. After a lot of research I believe 5G is detrimental to the health of all people and animals as well as trees. I do not think we should be allowing 5G on Hawaii.

SB-2527-SD-2

Submitted on: 6/20/2020 7:49:32 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
elizabeth crow	Individual	Oppose	No

Comments:

No! Please have the communities best interest in mind, we are counting on you. Say no.

SB-2527-SD-2

Submitted on: 6/20/2020 7:50:12 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Kestrel Sutton	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 7:50:13 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Scott Young MD	Individual	Oppose	No

Comments:

We must limit exposure to 5G until clearly safe; Please adhere to the Precautionary Principle

We must put Safety 1st Genesis Young MD

SB-2527-SD-2

Submitted on: 6/20/2020 7:54:54 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Michael Reed Gach	Individual	Oppose	No

Comments:

I strongly Oppose SB2527 because I believe that this powerful technology is invasive and potentially harmful to the health of human beings.

Please require scientific studies to prove that the Broadband seervice infrastructure is completely safe and harmless before this technology is used or installed.

SB-2527-SD-2

Submitted on: 6/20/2020 7:59:48 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Roger Epstein	Individual	Oppose	No

Comments:

I am opposed to using taxpayer funds for 5G. 5G is very controversial, and much scientific evidence shows that with so many 5G connectors so close together, severe damage to humans can be caused. It wasn't long ago that California was successfully sued by people living under electric lines.

Hawaii should be much more environmentally concerned to protect our aina and kakou. In any event, we shouldn't be using taxpayer funds to allow private enterprise to force this technology on us, when there's no assurance that it won't damage many.

Mahalo for considering my views.

SB-2527-SD-2

Submitted on: 6/20/2020 8:03:30 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
helena berh	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 8:08:01 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
David Gappell	Individual	Oppose	No

Comments:

I am against using my tax dollars to fund what will ultimately benefit corporate entities. I am especially opposed to any 5G network in light of the fact that it most likely endangers the lives of citizens, adversely impacts child development and scholastic achievement when in proximity to schools or residences. Finally, it allows for a major invasion of my privacy.

SB-2527-SD-2

Submitted on: 6/20/2020 8:25:59 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Judith E. Levy	Individual	Oppose	No

Comments:

I am a Haiku resident. I am a Tutu and a teacher. I STRONGLY OPPOSE THIS BILL!!

I DO NOT WANT TO ALLOW MORE BROADBAND OR ANY INCREASE OF OUR ALREADY FULL EXPOSURE TO MULTIPLE FREQUENCIES , wifi,ETC.

I also strongly OPPOSE the use of taxpayers grant money to fund this project. There has NOT been sufficient testing about this technology and I don't choose to be Verizon's guinea pig..

I HAVE done research on this technology and it is DANGEROUS FOR MANY!!!

Furthermore, our Council AND MAYOR have NO right to release this NEW technology on US, **the general public without OUR CONSENT!! This is a VIOLATION of MY HUMAN/HEALTH RIGHTS!!**

WE ARE WATCHING YOU; ARE YOU REPRESENTING US OR THESE CORPORATIONS?!

IS THIS A PONO BILL? You know perfectly well this has mostly been perpetrated behind the citizens'backs!

OPPOSE SB 2527 MAHALO!

Sincerely, with ALOHA,

Judy Levy

SB-2527-SD-2

Submitted on: 6/20/2020 8:32:04 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jack Zimmerman	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 8:33:44 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Best	Individual	Oppose	No

Comments:

Using taxpayer funds for 5G is galling since there are no studies showing it's safe but many many showing it's harmful to living creatures. Fiber optics is safer, more reliable, less hackable and we have the infrastructure. Even leaving 4G would be better than 5G. 5G threatens privacy besides health. Consider people over Big Tech profits. Mahalo.

SB-2527-SD-2

Submitted on: 6/20/2020 8:37:32 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Marsha Andreola	Individual	Oppose	No

Comments:

I am opposed to expanding wireless infrastructures, due to its negative impact on health. There is sufficient independent scientific research that clearly demonstrates a negative impact on the health of humans, animals, insects and plants.

SB-2527-SD-2

Submitted on: 6/20/2020 8:46:46 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Zoe Alexander	Individual	Oppose	No

Comments:

5G has a bad rap so they are now **re-defining "Broadband" to include wireless and 5G!**

This does not serve the people using these products. It only serves those trying to hide.

SB-2527-SD-2

Submitted on: 6/20/2020 8:56:21 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Nina Monasevitch	Individual	Oppose	No

Comments:

Strongly OPPOSE this and any bill that allows for deployment of harmful 5G.

SB-2527-SD-2

Submitted on: 6/20/2020 8:58:47 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
C Heatherly	Individual	Oppose	No

Comments:

I strongly oppose the further rollout of broadband and 4G or 5G infrastructure in Hawaii. There are over 3,000 studies and a great amount of evidence which indicate that this broadband RF is very dangerous to all life. Children in particular are extremely susceptible to the damaging effects of the high frequency 4G and 5G transmissions. Please please please stop supporting the further development of this deadly infrastructure. We don't desire it nor do we need it. Thank you for hearing my plea. Charles

SB-2527-SD-2

Submitted on: 6/20/2020 9:00:29 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Lisa Kerman	Individual	Oppose	No

Comments:

Dear Concerned,

I am absolutely opposed to the proposed Bill: SB2527. I definitely do not want my tax dollars going towards paying for the rollout of more 4G cell towers and 5G towers and antennas.

Please, do not allow this Bill to pass!

Thank you,

Lisa Kerman on Kauai

SB-2527-SD-2

Submitted on: 6/20/2020 9:02:09 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Naomi Melamed	Individual	Oppose	No

Comments:

Aloha Representatives,

I oppose this resolution as it stands. I do not agree with the new definition of Broadband including 5G and Wifi. We want our homes to be wired with fiber optic as we know for sure this is the fastest, most secure, and safest form of broadband. I oppose our tax dollars being used to deploy 5G technology which has never been safety tested and complete disregard and apathy is shown to citizens with serious concerns. There is overwhelming evidence to suggest 5G and 4G radiation is harmful to biological life. www.bioinitiativereport.org, www.ehtrust.org, www.mdsafetech.org are all resources with compiled studies which have shown harm.

Mahalo, Naomi Melamed

SB-2527-SD-2

Submitted on: 6/20/2020 9:05:16 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Megan Pearl	Individual	Oppose	No

Comments:

I oppose this bill because it will use tax payer money to expand 5G networks and deployment in hawaii. I also oppose expansion of 5G/Browdband as there are numerous studies citing the proven dangers of radiation exposure from 5G on birds, bees, trees and humans. I oppose this bill and do not consent to exposure from 5G radiation.

SB-2527-SD-2

Submitted on: 6/20/2020 9:05:16 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
C Aronoff	Individual	Oppose	No

Comments:

I am strongly opposed to this bill

SB-2527-SD-2

Submitted on: 6/20/2020 9:07:40 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
kristen cosmi	Individual	Oppose	No

Comments:

As a resident of Hawaii I greatly oppose any and all expansion of "broadband" that includes 5G technology. I do not consent to 5G in my community in any way. Please oppose!

SB-2527-SD-2

Submitted on: 6/20/2020 9:07:54 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Peggy Schechter	Individual	Oppose	No

Comments:

I strongly oppose this measure. 5-G technology may be extremely harmful to all life on the planet. Please do not pass this measure until independent scientifically unbiased studies are done. People, insects, birds, plant life and animals are getting sick from this technology. Please think about the future and not short-term profit. Why not consider fiber-optics instead?

Thank you,

Margaret Schechter

SB-2527-SD-2

Submitted on: 6/20/2020 9:10:00 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
yoav	Individual	Oppose	No

Comments:

Aloha Representatives,

I oppose this resolution as it stands. I do not agree with the new definition of Broadband including 5G and Wifi. We want our homes to be wired with fiber optic as we know for sure this is the fastest, most secure and safest form of broadband. I oppose our tax dollars being used to deploy 5G technology which has never been safety tested and complete disregard and apathy is shown to citizens with serious concerns. There is overwhelming evidence to suggest 5G and 4G radiation is harmful to biological life. www.biointitiative.org, www.ehtrust.org, www.mdsafetech.org are all resources with compiled studies which have shown harm. We must pause and be cautious before rolling this out, before harm is being done to our island's ohana and Keiki.

Mahalo, Yoav Melamed

SB-2527-SD-2

Submitted on: 6/20/2020 9:15:49 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Barry	Individual	Oppose	No

Comments:

Aloha,

I strongly oppose this bill. No redefining Broad Band to nclude 5 g.

I don't want my taxes paying for more 4G cell towers and 5G antennas.

Mahalo,

SB-2527-SD-2

Submitted on: 6/20/2020 9:20:25 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Donn DeShayne	Individual	Oppose	No

Comments:

While I appreciate trying to bring data services to underserved areas, Hawaii must bring broadband to all areas via wire to prevent the proliferation of microwave saturation and the health risks that 4G and 5G towers and their emissions cause. There is a large body of independent research that shows the health risk of wireless broadband. Many parts of the world are halting 5G development for these reasons. The only studies that give massive wireless saturation the go-ahead are industry funded. Be careful, do your research. The state has an implicit mandate not to harm its citizens.

Thank you,

Donn DeShayne

SB-2527-SD-2

Submitted on: 6/20/2020 9:26:13 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Helen Swinney	Individual	Oppose	No

Comments:

I oppose this Bill..SB2527

SB-2527-SD-2

Submitted on: 6/20/2020 9:31:53 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
David Monasevitch	Individual	Oppose	No

Comments:

Please represent me by opposing SB2527. Mahalo.

SB-2527-SD-2

Submitted on: 6/20/2020 9:40:00 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
soleil	Individual	Oppose	No

Comments:

I strongly oppose my tax dollars being used to pay for more 4G cell towers and 5G antennas. I have personally experienced EMF sensitivity and felt it negatively affect my health as well as quality of sleep. I am a certified Nutritionist and work hard to stay healthy as well as keep my family healthy. I don't agree with expanding this type of radiation so much that you can't get away from it in public places and now even your own property. The expansion is taking advantage of people because of the fact that we can't see it with the naked eye. The long-term health research on it is severely lacking. Man made radiation has more negative health effects than natural radiation and our beautiful island is sadly becoming filled this type of invisible "air pollution" without real knowledge of the long term effects on the environment as well as individuals health.

SB-2527-SD-2

Submitted on: 6/20/2020 9:50:20 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Laurie Bogart	1306856885	Oppose	No

Comments:

No 5G on Hawaiian Islands. Proven research shows that is harmful to living creatures...us.

SB-2527-SD-2

Submitted on: 6/20/2020 9:50:24 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Melissa L Yee	Seeds of Truth	Oppose	No

Comments:

I strongly oppose including 5G technology in this bill. This 5G innovation connects Hawaii to the cell phone towers which have already been installed on all islands and to Starlink satellites which create a detrimental energy grid and pose an enormous health risk to all residents. The many illnesses we experience today, including prolonged agony and consequences of corona virus complications, are aggravated by a weakened immune system which has been exposed to various forms of radiation and electromagnetic frequencies. This bill must not pass. 5G is a threat to the wellbeing of humanity.

Sincerely,

Dr. Melissa Yee

Seeds of Truth

SB-2527-SD-2

Submitted on: 6/20/2020 10:03:20 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
RS Carlson AB Chem/Bio, DDS	Individual	Oppose	No

Comments:

As a scientist inventor (AB Chem/Biology, DDS) I oppose this electromagnetic pollution.

I need not say more, by passing this measure, hopefully not, you are condemning your children to great harm!

RS Carlson, AB Bio/Chem, DDS

SB-2527-SD-2

Submitted on: 6/20/2020 10:13:39 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Vinayak	Individual	Oppose	No

Comments:

Broadband is deceptive in referring to wireless and esp. 5-G. I oppose this bill.

SB-2527-SD-2

Submitted on: 6/20/2020 10:18:27 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
dan handler	Individual	Oppose	No

Comments:

No 5G!

SB-2527-SD-2

Submitted on: 6/20/2020 10:20:54 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Manon Pretre	Individual	Oppose	No

Comments:

I oppose this bill because our rural areas & our sacred islands are nature sanctuaries and the frequencies of more4G&new5G networks are damaging to all life and do not belong on our islands, as they are a danger to us all. We do not want our tax dollars to support this, mahalo for your understanding.

SB-2527-SD-2

Submitted on: 6/20/2020 10:21:19 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
JASON D. GROODE	Individual	Oppose	No

Comments:

My Dear Friends: We all live on these islands together, as well as our families and friends. Is it worth jeopardizing the health and well being of ourselves, our families and friends just for the convenience of additional profit and a faster cyber space?

All scientific evidence indicates that 5G is dangerous. Please ask all the companies wanting to use this technology to please show you and the public all the documentation they have to verify the safety of this technology. I have asked on several occasions never receiving a response.

Mahalo,

Jason D. Groode, (808) 283-0427

SB-2527-SD-2

Submitted on: 6/20/2020 10:23:36 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Stephanie Simpson	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 10:24:10 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
marta greenleaf	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 10:24:45 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Mara Stevens	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 10:40:11 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Raphiell Nolin	Individual	Oppose	No

Comments:

I strongly oppose using taxpayer money to support this technology that has been shown to be dangerous to our health.

SB-2527-SD-2

Submitted on: 6/20/2020 10:40:27 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Merrina Suzuki	Individual	Oppose	No

Comments:

This is a serious threat to the well-being of the entire community, and therefore I STRONGLY OPPOSE SB2527. Please seriously consider giving the highest priority to people's well-being.

SB-2527-SD-2

Submitted on: 6/20/2020 10:42:06 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Ano Hanamana	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 10:51:08 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
irma rios	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/20/2020 11:08:38 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Louise Lambert	Individual	Oppose	No

Comments:

Aloha and Mahalo for your consideration.

Please oppose Bill SB2527.
In the interest of the wellness

of human life and protection of our 'aina,

broadband, 4g, 5g and higher

are not proven to be safe for humans.

-Louise Lambert

SB-2527-SD-2

Submitted on: 6/20/2020 11:19:22 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Don V. Lax	Individual	Oppose	No

Comments:

I am absolutely opposed to the use of 5G in Hawaii. It has been demonstrated to be extremely dangerous to the health of humans and all living creatures. Please protect the Aina and do not pass this bill.

Thank you, and aloha,

Don V Lax.

SB-2527-SD-2

Submitted on: 6/20/2020 11:38:23 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Maggie Costigan	Individual	Oppose	No

Comments:

Aloha,

I DO NOT support tax-payer funded grants to extend deployment of wired and wireless infrastructure to rural areas. I DO NOT support cell towers being built in our rural areas...or anywhere for that matter....nor do I want my tax dollars to pay for any more 4G cell towers and 5G antennas!

This is dangerous technology. There is no legitimate research showing that 5G or even 4G is safe for humans, animals or the environment, but plenty that states otherwise. Please protect our precious islands, the Hawai'i ecosystem and the people of Hawai'i by opposing this bill and doing more research on the impacts of "broadband" before considering the construction of any more towers.

Mahalo,

Maggie Costigan

Ha'iku, Maui

SB-2527-SD-2

Submitted on: 6/20/2020 11:55:13 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Michael deYcaza	Individual	Oppose	No

Comments:

According to my reading on the subject there are safety concerns with 5G and even 4G EMF . If this grant were only to provide fiber (fios)cable to the home I would support it. The state should also look into creating a public broadband utility as the city of Chattanooga has done. They have the fastest internet in the hemisphere last I heard and affordable too. All done with fiber to the home.

SB-2527-SD-2

Submitted on: 6/21/2020 12:03:17 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
dale chappell	Individual	Oppose	No

Comments:

**SB2527 - A Bill to Appropriate Grant Money for Expanded Broadband (5G) -
OPPOSE**

This bill awards tax-payer funded grants to extend deployment of wired and wireless infrastructure to rural areas. **I STRONGLY OPPOSE ALL 5G IN THE STATE OF HAWAII. Let us not take part in the devastating health issues, confirmed by MANY scientists and Doctors already, from turning on 5G in this state! Even 4G is already causing many to suffer.**

SB-2527-SD-2

Submitted on: 6/21/2020 12:03:32 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
sara	Individual	Oppose	No

Comments:

I oppose this bill/measure.

5G has no place on our island, in our community and especially in our children's environment.

There have been no credible independent testing proving that Emf let alone 5G is safe.

There are many scientific credible research proving the harm and dangers

that 5 G poses to people especially children, nature and many aspects of our environment.

We call on you to protect us as you have vowed to do.

mahalo,

Sara

SB-2527-SD-2

Submitted on: 6/21/2020 12:36:35 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Lesley Kinney	Individual	Oppose	No

Comments:

EMF exposure causes biological effects. The frequencies largely in use are detrimental to life on earth. Safety testing is not possible as there is enough proof of harm that such tests on human subjects do not pass ethics approval.

Dr. Sharon Goldberg states: I think what it all comes down to is that if you can't expose humans to microwaves in a lab, in a controlled environment. If you can't even do that ethically. Because we have so much evidence of harm. None of these technologies should be getting rolled out. This is illegal. There are all sorts of laws that are supposed to protect us from being experimented on. But this is human experimentation. This is experimenting with the planet. It's experimenting with human health. With the health of our insects. Our birds. It's just unconscionable.

Therefore this technology should not be rolled out at all let alone using tax payers money.

SB-2527-SD-2

Submitted on: 6/21/2020 12:55:36 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Susanna Majano	Individual	Oppose	No

Comments:

5g is unethical and unnecessary. 5g is genocide to neurological health and a crime that should be punishable. It violates the right to live healthy.

SB-2527-SD-2

Submitted on: 6/21/2020 1:46:42 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
John Cipolla	Individual	Oppose	No

Comments:

Please reconsider SB2527 as it deprives us of due process both notice and a hearing. The change in definition of Broadband to include 5G alone is suspect and void of transparency. Over 141 scientists all from different countries of the world have signed on as saying 5G is not safe and with out proper testing we the people will be the human experiment!

Resoectfully yours

SB-2527-SD-2

Submitted on: 6/21/2020 1:57:36 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
kehaulani	Individual	Oppose	No

Comments:

Please keep Hawaii's health FIRST! I OPPOSE any further 5G advancement as it is proven to be extremely harmful to our health. Mahalo for your time and consideration

SB-2527-SD-2

Submitted on: 6/21/2020 2:20:43 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Pat Beekman	Individual	Oppose	No

Comments:

I OPPOSE SB2527 SD2. Broadband is considered by many informed and credible sources to be significantly detrimental to human health. Further, this bill seems to obfuscate the fact that 5G, which has an exceptionally bad reputation in its effects on health, is included. That adds the problem of deliberate deceit.

SB-2527-SD-2

Submitted on: 6/21/2020 2:22:24 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Myelle	Individual	Oppose	No

Comments:

Citizens know the definition of 'broadband' has been expanded to include the untested 5G technologies which scientists worldwide have expressed significant safety concerns about & which also have privacy concerns. We do not want this tech added to our communities.

Strongly opposed.

Thank you.

SB-2527-SD-2

Submitted on: 6/21/2020 4:39:44 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Shannon Bishop	Individual	Oppose	No

Comments:

This bill is sneaking in hazardous wireless technology and 5G under the guise of 'broadband' technology. Wireless radiation has been repeatedly proven to be carcinogenic. In 2018 the National Toxicology Program's decade long study concluded "clear evidence of cancer" from regular cell phone use. On a personal note, I've been suffering from microwave sickness for the past 6 years and had to flee the city and move to a rural area (3,000 miles from my home) in order to escape the torment that the daily ubiquitous wireless radiation exposures caused me. However now my rural retreat in southern Arizona is being threatened with 5G towers and a 'smart' grid. And I must flee again. If I am exposed to even a WiFi router for more than a short time I experience extreme heart arrhythmia and become high risk for heart attack or heart failure. So it is imperative that I stay away from wireless signals. It has been a long time dream of mine to move to Hawaii, to the Big Island near Puna where there have been low EMF, radio-free zones. I had planned to move this past year but heard about all of the threats from industry to "serve" the area with more wireless connectivity. The thing is, have the people who are living in so called "underserved" areas been asked if they WANT this technology and if they want to expose themselves and their children to known carcinogens 24/7? In my own community 100 out of 120 residents were opposed to the "smart" grid and voiced our opposition which fell on totally deaf ears. And our utility company is proceeding anyway. Even though several of us who sought refuge here, bought properties, gave up homes, lives, friends and family elsewhere are being forced to leave while facing dwindling options for finding safe havens elsewhere all because this multi-trillion dollar extremely corrupted wireless industry's appetite for profits knows no bounds. They continually bribe officials to grant them permits, and lie about product safety. The people are not asked if they want this, it is forced on them. There are literally millions of others like me seeking safety in radio-quiet zones but increasingly unable to find any left anywhere on the planet. To proceed with allowing this industry to have their way and to expose masses to harmful radiation, which thousands of INDEPENDENTLY funded studies have PROVEN to cause biological harm to humans, animals, insects and plants, is irresponsible and unconscionable in the extreme. The people do not want or need this. It is all being proposed as 'helping' the 'underserved' in rural areas.. the people in rural areas do not want or need this. Many of them retreated to these particular areas in order to GET AWAY from wireless technology radiation. These areas already have internet access via cable or DSL landlines. These wired connections are faster than wireless and have the capability of always being much faster and more secure than wireless can ever be, so to say that wireless is needed to

increase speed of connection is absurd and incorrect. This is just wireless industry propoganda. If you want to help anyone with faster speeds improve upon wired infrastructure. Invest in fiber optics which are NOT tied to cell towers and radio transmitters. There is NO need for wireless tech at all. I have not used any in several years. I have a wired home phone and internet access. I do not need a cell phone. Nobody needs one. Wireless connections are all not secure as well as being extremely haradous to health. Also the condition I suffer with technically known as EMS (ElectroMagneticSensitivity) is considered to be a functional impairment by the United Naitons and any UN member state is suppoesd to recognize it as such. This means that by forcing wireless radiation from cell towers and other radio transmitters in people's communities this is in direct violation of the American Disabilities Act and the estimated 3 percent of Americans who have EMS have NO safe housing or communities to live and work in. We are refugees because our policy makers are ignorant as to the UN ruling and ignorant about wireless radiation harm. Please do the right thing and reject this bill. Side with the people over industry. Help protect the health and safety of the people and environment of Hawaii and keep the state a beautiful paradise, somewhere which will be safe for me and others like me to move to and live and work and raise families in a healthy safe way. Thank you. Shannon

June 22, 2020

Rep. Angus McKelvey, Chair
Rep. Takashi Ohno, Chair
House Committees on Economic Development & Business and
Intrastate Commerce
Hawai'i State Capitol

RE: Testimony in **Support of SB 2527, SD2, Proposed HD1**, Broadband Service Infrastructure

Aloha Chairs McKelvey and Ohno and members of the committees:

Transform Hawai'i Government is in **strong support** of promoting, enhancing, and supporting broadband service access for citizens across Hawaii, including those in rural and remote areas. Infrastructure improvements are critically important to promote that access. SB 2527 will establish the broadband service infrastructure grant program to award grants to applicants to extend deployment of facilities used to provide broadband service to unserved and underserved areas of the State. We ask that you support Senate Bill 2527.

The worldwide pandemic has underscored the deficiencies in Hawai'i's ability to digitally deliver core government services, including education to public school children. Broadband access has long been identified by government leaders as a top priority. For example, Hawaii's Broadband Task Force was established through Act 2 of the First Special Session of 2007. The effectiveness of Hawai'i digital government depends on an aging, outdated and perilous system of underwater cables, connecting with 'Oahu and networking to the other islands. All of our citizens need and deserve uninterrupted internet access to transmit and receive countless daily transactions.

More recently, the Hawai'i Information Technology Strategic Plan was developed with input from stakeholders including the State Office of Enterprise Technology Services, the State Information Technology Steering Committee, representatives from departmental business and IT staff, and members of the community. The final plan was approved by the state Information Technology Steering Committee for implementation. A digitally connected citizenry with access to broadband services is a key foundational premise of the plan. We strongly support development of a state broadband access strategy and a comprehensive and coordinated approach to implementation.

Transform Hawai'i Government is a coalition of organizations and individuals committed to improving government services and business practices through technology to ensure that policymakers, State employees, local residents and businesses have convenient and secure access to reliable information and data. We commend the legislature for recognizing the needs of our community and moving forward to address those needs. Thank you for the opportunity to provide testimony in support of this important bill.

Respectfully submitted,



Christine Sakuda
Executive Director
Transform Hawai'i Government
email: csakuda@TransformHawaiiGov.org | phone: (808) 321-2811

SB-2527-SD-2

Submitted on: 6/21/2020 5:00:11 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Chad Odom	Individual	Oppose	No

Comments:

I oppose the covert inclusion of 5G to be included in the general term broadband. This is an intentional effort to deceitfully allow the highly opposed 5G technology to be implemented under the guise of broadband. I oppose 5G being installed period. Please do your own research into the harm 5G will cause for us all.

SB-2527-SD-2

Submitted on: 6/21/2020 5:06:16 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Diana Mitzel	Individual	Oppose	No

Comments:

There is scientific proof that wireless radiation from 5G is detrimental to all life form and will harm insects, animals and humans. I ask that you please do more research on this, last year 26,000 scientist signed a petition opposing 5G because of the dangers to health of all living things and 180 scientists and doctors from 36 countries have spoken out about the very real dangers. Even the former president of Microsoft Canada, Frank Clegg has spoken out about how 5G is a very real danger to us and our world. Please, please do your diligence and research this further. I believe you will find cause to say no to 5G.

SB-2527-SD-2

Submitted on: 6/21/2020 5:34:05 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
carol lee kamekona	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 5:41:49 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Christina Ricchi	Individual	Oppose	No

Comments:

I am not in support of more wireless services in rural areas.

5G or anything, these signals are harmful to our health, I have

for the last 5 years been dealing with intense head pain when

i come close to any kind of cell towers or cell phones. Please protect

the people and oppose this bill!

SB-2527-SD-2

Submitted on: 6/21/2020 6:10:48 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Charles Dana	Individual	Oppose	No

Comments:

Cell phone radiation has been shown to have harmful health effects.... how can anyone say a higher frequency which contains more energy is not more destructive and more damaging to the body?

Neither I, nor anyone else, was asked if they would be okay with having hawaii(or anywhere in the world for that matter) saturated by microwave frequencies...

SB-2527-SD-2

Submitted on: 6/21/2020 6:13:24 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Tera Paleka	Individual	Oppose	No

Comments:

I am a successful small business owner since 2003. I help our local economy and I am very involved with our local community with social issues. I oppose this bill as my body and mind will be in jeopardy due to the massive amounts of EMF/Radiation/harmful signals omitted by the towers or any other equipment that has 5G. I am sensitive to standard Wi-Fi as I become nauseous and my head pounds whenever I am near anything omitting Wi-Fi signals. I can't think straight and I have massive amounts of brain fog from Wi-Fi signals. I never believed this to be "a real thing" until I went through a process of elimination and had placed myself in direct contact with a few routers/modems that omitted Wi-Fi signals. I used to think people that touted such issues were "hippy's" or I would say, "that's all in their heads!".. After being sick for 2 years straight back in 2015 & 2016 with what I was later diagnosed as having Lyme & EBD I had to investigate what caused me to be disabled because I couldn't provide for sons & myself. While laying in bed for those 2 years I felt as if I wanted to end my life because living like that was worse than not living at all. I couldn't leave my children so I had to do something. I was desperate enough to "try anything" to cure what I am told are incurable diseases.

I am a small business owner since 2003 and I employed over 30 people at the height of my career. I started working full time at the age of 10. I have never not worked and being disabled was not something I could accept, so I had to figure out as fast as I could what caused and kept my illnesses attaching my mind, body & spirit.

I found that because our home was full of Wi-Fi signals that caused massive amounts of brain fog and fatigue on my body. I eliminated the Wi-Fi completely and I felt an immediate sense of calm along with my headaches being 100% relieved.

5G would absolutely cause myself and tons of other Hawaii citizens to become sick, restless and agitated. Nobody would recognize what is wrong until it's too late. So many immune disorders are associated with electronic omission because think about it. WE ARE ALL ENERGY! Walking Energy! When you throw signals that are harmful out into the air that bounce off our energy, bounce through our energy and pound our brains with harmful energy what do you think will happen?

Look at the dolphins, whales & other sea creatures that beach themselves when the ocean has underwater testing that our military does! Same thing for us humans up on dry land with all the darn Wi-Fi signals. Guys, it's bad enough as it is with all the signals being omitted today. Leave it alone! There is no need for faster anything! Please do not vote yes on this bill! Stop our state from allowing big corporations to harm our Hawaii people! Please!

VOTE NO!!!

Mahalo,

TERA LYN HA'AHEOOHONUA PALEKA

Kahakuloa Village, Box 342

Wailuku HI 96793

(808) 870-3653

SB-2527-SD-2

Submitted on: 6/21/2020 6:19:27 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Mio Chee	Individual	Oppose	No

Comments:

I strongly oppose SB2527.

The WHO/International Agency for Research on Cancer (IARC) has classified **radiofrequency** electromagnetic fields as possibly **carcinogenic** to humans (Group 2B), based on an increased risk for glioma, a malignant type of brain cancer¹, associated with **wireless** phone use. Please do not use our taxpayers' money to fund something harmful to people and the environment. I live in Ala Moana where numerous cell towers surround my house (I can spot at least 3 from my bedroom and 2 from my kids' bedroom). I have developed a sensitivity to electromagnetic fields after moving to my house about 1.5 years ago and it is negatively affecting my life and my family members' lives.

SB-2527-SD-2

Submitted on: 6/21/2020 6:36:54 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Katherine Gravesen	Individual	Oppose	No

Comments:

5g has not been proven to be safe. Anyone who says that it is, has only financial interests in mind.

SB-2527-SD-2

Submitted on: 6/21/2020 6:43:06 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Sara Patton	Individual	Oppose	No

Comments:

I strongly oppose 5G technology unless and until it is proven safe. There is much evidence to put the safety of this technology into question.

SB-2527-SD-2

Submitted on: 6/21/2020 7:00:52 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
elise mae	Individual	Oppose	No

Comments:

We moved to Hawaii to live the natural life, to grow our own food free from spray and in nutrient dense soil. We came here because there is no flouride in the water, because the air is clean and people are connected to nature. We came to Hawaii to live a simple life and are disappointed to find out what's happening with 5g. This affects our health the and the health of our children most especially. I oppose tax payers dollars being used to build 5g towers and I opposed the Community being exposed to that radiation constantly.. There is plenty of data and research by hundreds of scientists worldwide that state the danger, harm and concern of this technology. Please consider the people, consider the next 7 generations in every decision that's made. Let's keep Hawaii unique and different and a safe haven compared to what's going on around the world. A balance between technology and nature is key...a balance. Mahalo!

SB-2527-SD-2

Submitted on: 6/21/2020 7:12:02 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Beckley Dye	Individual	Oppose	No

Comments:

Oppose [SB2527](#). These technologies are not safe for th community and should be tested rigorously prior to any implementation. OUr communities health depends on it.

Beckley Dye

SB-2527-SD-2

Submitted on: 6/21/2020 7:12:12 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Nichole A.	Individual	Oppose	No

Comments:

I strongly oppose this bill. More studies on the affects to health need to be done and tax payers shouldn't have to pay for infrastructure that only private companies will make money from.

SB-2527-SD-2

Submitted on: 6/21/2020 7:14:38 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Dye	Individual	Oppose	No

Comments:

I strongly oppose [SB2527](#) . I do not want 5G in my community. It will expose everyone without consent. 5G has been found to have significant health impacts. If this bill is passed children and adults would be negatively impacted by your choice. Oppose [SB2527](#).

Sincerely,

Robert Dye

SB-2527-SD-2

Submitted on: 6/21/2020 7:18:07 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Anne Dye	Anne Dericks, ND	Oppose	Yes

Comments:

I strongly oppose [SB2527](#). As a physician I understand that 5G has significant negative health impacts that should not be taken lightly. Other countries have banned 5G or are demanding rigorous testing prior to any agreement of installation. Hawaii needs to do the same to defend the health of our communities. If you care about the health of Hawaii's residents you will oppose [SB2527](#) .

Sincerely,

Dr. Anne Dericks

SB-2527-SD-2

Submitted on: 6/21/2020 7:19:38 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Suelang Watson	Individual	Oppose	No

Comments:

5G is extremely dangerous to all biological life forms, human beings included. To expect tax payers to foot the bill for 4G & 5G towers and technology is an insult. I oppose bill SB2527 and do not consent to my hard earned money being paid to giant corporations who will profit from the demise of my, and my fellow Hawai'i island community members, ill-health.

SB-2527-SD-2

Submitted on: 6/21/2020 7:22:26 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Eric Brandt	Individual	Oppose	No

Comments:

I'm strongly opposed to this bill, as I work PT as an EMF radiation consultant to help protect people, animals, birds - (everything biological) from the harmful effects of EMFs and now 5G.

I've done my research and know it's very harmful and that many health issues are related to these high frequencies.

Do your research and you will see that they are dangerous and that if we move forward with the 5G

the results will be devastating - to say the least.

Thanks for considering my educated POV.

Aloha,

Eric Brandt

SB-2527-SD-2

Submitted on: 6/21/2020 7:24:10 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
jennifer noel	Individual	Oppose	No

Comments:

There is much community concern about 4G and 5G being installed in our community due to safety/health issues. Many cities such as Santa Barbara and actual countries are stopping the broadband from being installed because the politician actually take their oaths to heart to protect their citizens health over big business and money. Let's stop this bill today and at least look into the adverse affects if the people are the real priority. Protect the citizens today!!

jennifer Noel

SB-2527-SD-2

Submitted on: 6/21/2020 7:27:10 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Steven Forman	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 7:27:54 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Steve Bruhjell	Individual	Oppose	No

Comments:

A very strong NO. Do not pass this bill. Has No research proving it's safety, No guarantee of restrictions on it's usage for nefarious purposes.

SB-2527-SD-2

Submitted on: 6/21/2020 7:37:52 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Beatrice Sproat-Augustiro	Individual	Oppose	No

Comments:

Aloha my name is Kalehua Sproat-Augustiro and I strongly oppose the expansion of broadband service and infrastructure as stated in SB2527. I do not support this bill and do not believe that grants monies should be used to further this agenda. OPPOSE. mahalo nui.

SB-2527-SD-2

Submitted on: 6/21/2020 7:44:15 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Laurie Hughes	Individual	Oppose	No

Comments:

I STRONGLY OPPOSE the installation of 5G in the Hawaiian Islands. The health of our people should always be the priority and there is evidence of the harmful effects of 5G as well as all other wifi. Other countries are fighting the installations in their countries as well. All of us have sufficient wireless service and speed in the islands and more speed is not necessary. Wireless communication is a fairly new introduction to society and humanity communicated just fine prior to its introduction. Remember, smoking nicotine cigarettes were promoted and considered safe for a very long time before scientific research proved the harmful effects to the body. We as a society cannot let big money overpower the need to protect the health of the people. Please do not allow bills to be passed that will bring 5G to our islands.

SB-2527-SD-2

Submitted on: 6/21/2020 8:00:36 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Alison Orr-Andrewes	Individual	Oppose	No

Comments:

There is ample scientific evidence that electromagnetic frequencies can have adverse health effects in humans and animals. We should be transitioning to FiOS, NOT expanding wireless networks. Wired systems are faster, more secure, and less harmful to health. Please vote against SB2527. Thank you.

SB-2527-SD-2

Submitted on: 6/21/2020 8:07:44 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
John Gelert	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 8:09:53 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Geneve Chong	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 8:43:34 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
lynn m mallard	Individual	Oppose	No

Comments:

In 2019, when Italy, Wuhan, NYC all rolled out 5G the Environmental Minister of Belgium, Celine Fermault (CDH) stated the following with regard to legislation supporting the installation of 5G in Belgium:

"The people of Brussels are not guinea pigs whose health I can sell at a profit. We cannot leave anything to doubt."

And doubt there is. The 6v per meter of radiation (**4G**) has proven already to be causing health issues. The sale of licenses to telecom companies who put profit over health and then charge the "victims" for this service is unconscionable.

Do the research. The **public is not asking for faster service**. This is strictly an issue of increased surveillance capability.

The wireless industry heads during a US Senate hearing responded when forced..They have not done any safety studies and nor do they plan to. This is pure greed driven and a most dangerous path for humans and all biological life.

Let our State resist this greed driven path that is dangerous to all biological life.

Please read the independent scientific evidence that has been done before subjecting us to a certain unhealthy future. You have the power to decline. These companies realize our islands present financial vulnerability due to CV but be cautious not to be pressured by dollars promised in exchange for the health of **your people!**

<https://ehtrust.org/key-issues/cell-phoneswireless/5g-networks-iot-scientific-overview-human-health-risks/>

the safety of our lives is in your hands. Do this for us, yourselves, your children and their children.

LM Mallard

SB-2527-SD-2

Submitted on: 6/21/2020 8:49:20 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jenny Caban	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 8:49:25 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jessica Main-villines	Individual	Oppose	No

Comments:

I oppose this bill until the proper health studies are done on the towers and longer term health effects are published with the proper documentation! I do not consent to being a guinnie pig to the harmful effects and frequencies these towers put out.

SB-2527-SD-2

Submitted on: 6/21/2020 8:55:17 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara (Bobbi) Cuttance	Individual	Oppose	No

Comments:

I strongly oppose this bill. Please do not pass.

Barbara (Bobbi) Cuttance

14-266 Papaya Farms Road, Pahoa, Hawaii 96778.

SB-2527-SD-2

Submitted on: 6/21/2020 8:56:45 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Isa Maria	Individual	Oppose	No

Comments:

As a citizen of Kauai, I urge you to OPPOSE this bill allocating taxpayer dollars to fund 5G which is known to have adverse health effects. No study has been done that can prove it's safety, and 5G has been banned in some countries such as Switzerland and in some U.S. municipalities due to catastrophic health impacts.

Thank you,

Isa Maria

Kilauea, Hawaii 96754

(808)652-6139

SB-2527-SD-2

Submitted on: 6/21/2020 8:57:44 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Donna Maltz	Soil to Soul Solutions	Oppose	Yes

Comments:

Until further testing is done to secure all residents are safe from the effects of 5G. This is enough scientific evidence proving there are negative implications to haveing 5G procced on our Island and global ramifications of this technology could detriment the world. This is more research and testing necessary before my company, staff, and I can support anything like this, and we rely on the internet for our online business. Thinks are already WAY fast enough, why do we need to destroy the world any quicker?

<https://www.gaia.com/article/5g-health-risks-the-war-between-technology-and-human-beings>

<https://www.radiationhealthrisks.com/5g-radiation-dangers/>

<https://www.livescience.com/65959-5g-network.html>

SB-2527-SD-2

Submitted on: 6/21/2020 9:06:28 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
juhl rayne	Individual	Oppose	No

Comments:

NO 5G!!!! it is toxic.... will kill or sicken us... you will be liable to citizens of Hawaii as they all get sick! our bodies are not meant to withstand this level of radiation... NO human wants this unless they are making a load of \$\$ with it....

thank you for stopping 5G!

SB-2527-SD-2

Submitted on: 6/21/2020 9:09:55 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Shen Gandolfo	Individual	Oppose	No

Comments:

I do not accept that my tax dollars be used on the deployment of 5G infrastructure! We the people never had a say in the decision of turning to 5G, and we do not accept! I will not contribute to this and they should not be deployed if us citizens do not want it!

SB-2527-SD-2

Submitted on: 6/21/2020 9:13:47 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Yoshieh Iwahashi	Individual	Oppose	No

Comments:

Hundreds of scientists around the world are showing concerns over the negative impact that 5G will give to our health, please listen to them:

<http://www.5gappeal.eu/>

“The 5G Appeal was prepared in 2017 by scientists and doctors who are urgently calling for the EU to halt the roll out of 5G due to serious potential health effects from this new technology. 5G will substantially increase exposure to radiofrequency electromagnetic fields (RF-EMF) on top of the 2G, 3G, 4G, Wi-Fi, etc. for telecommunications already in place. RF-EMF has been proven to be harmful for humans and the environment.”

Thank you for your time and attention.

SB-2527-SD-2

Submitted on: 6/21/2020 9:18:50 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Tyler Lewis	Individual	Oppose	No

Comments:

5G and high frequency electromagnetic radiation is not proven to be safe and is being used without proper testing on Maui & all over Hawaii. This is unsafe for the children growing up here and exposed to this millimeter wave radiation while their brains are developing. It also interferes with brain waves in adults and plant growth cycles. It is not right to mask this harmful technology under a guise of something familiar to expose people and our environments without the knowledge of being exposed.

Please be honest about what types of technology is being used and the risks of us using it.

Thank you for making decisions for the state that support the health and well being of the people living here.

Tyler Lewis

SB-2527-SD-2

Submitted on: 6/21/2020 9:22:02 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
jeanne wheeler	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 9:25:36 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Russell Hirsch	Individual	Oppose	No

Comments:

Protect Hawai'i!

5g frequencies penetrate and impact every living thing. Proceed with caution. Demand independent testing for impact on health and environment before deploying in Hawaii. If the feds prevent denying deployment on the basis of health impact that should be a red flag. Make up any other excuse you can in order to protect the people who put you on office.

SB-2527-SD-2

Submitted on: 6/21/2020 9:32:23 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
lauren mekeel bohl	hawaii family and Conscious Connection Movement	Oppose	No

Comments:

To protect our families, our communities, our children and pur future of humanity, please STOP this Horrible weapon. This will destroy the health of all humans, the quality of our food as well as all of the sustems we have in place to protect people. This was formed as a weapon for warfare and will only debilitate humanity to a degree we can not even fatjom as this radiation is far stronger than any already in use that is very harmful to is. It is very scary that this wiuld ever be considered or accepted in our lives. This will harm all of us and all of your family changing our lives for the worse very quicly.

Stop this , Save our Children and Our futures!

Our health system has nothing ro combat this, this will fry our bodies, souls.... please stop this!

Concerned,

Bohl Mekeel Ohana and Business

SB-2527-SD-2

Submitted on: 6/21/2020 9:33:47 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Gary Hipp	Individual	Oppose	No

Comments:

I believe this bill to be an abuse of taxpayer money and the the PUC should require the company providing the service to cover all areas of the island and offer uniform pricing to all area rural and urban. Let the company bear the burden, not the taxpayer.

SB-2527-SD-2

Submitted on: 6/21/2020 9:37:38 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Moore	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 9:37:40 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
sue perley	Individual	Oppose	No

Comments:

I am opposed to this bill. Taxpayer funds should not be used to support expanded broadband. And, no funds should be used to support 5G regardless of their source. 5G has proven negative impacts on health of humans and animals. If you read independent studies, rather than those funded by vested interests, you would be more honestly informed as to the dangers. Keep Hawaii 5G free. Mahalo!

SB-2527-SD-2

Submitted on: 6/21/2020 9:40:23 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Varsames	Holistic Learning Center of Maui, LLC	Oppose	No

Comments:

5G is extremely dangerous to our hormone and neurological health.

Cases of increased cancer and brain illnesses are associated with exposure to 5G.

Info:

Thousands of studies link low-level wireless radio frequency radiation exposures to a long list of adverse biological effects, including:

DNA single and double strand breaks

oxidative damage disruption of cell metabolism increased blood brain barrier

permeability melatonin reduction

disruption to brain glucose metabolism

generation of stress proteins

Let's not also forget that in 2011 the World Health Organization (WHO) classified radio frequency radiation as a possible 2B carcinogen

SB-2527-SD-2

Submitted on: 6/21/2020 10:03:06 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Nancy Byrne	Individual	Oppose	No

Comments:

Please no dangerous 5G broadband in Hawaii.

SB-2527-SD-2

Submitted on: 6/21/2020 10:05:25 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
keoni	Individual	Oppose	No

Comments:

My name is keoni kalanui-manantan and I do not support 5g!

SB-2527-SD-2

Submitted on: 6/21/2020 10:06:58 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Kamala Nellen	Individual	Oppose	No

Comments:

This bill awards tax-payer funded grants to extend deployment of wired and wireless infrastructure to rural areas. My tax dollars are being used to pay for more 4G cell towers and 5G antennas. As wireless has made my travel in Hawaii and my life on the mainland more and more difficult to stand due to EMF sensitivity, I definitely OPPOSE this bill. I love Hawaai and visit often but won't come back if you put up more cell towers on the islands.

SB-2527-SD-2

Submitted on: 6/21/2020 10:07:17 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Paul Deeter	Individual	Oppose	No

Comments:

There is a substantial body of scientific research which calls into question the safety of new forms of wireless communication. The use of electromagnetic radiation in microwave frequencies at these levels and coverage has not been properly evaluated for safety. Because the effects of such radiation may be subtle and cumulative, studies must be comprehensive and multi-generational. I object in the strongest of terms to any use of taxpayer monies to facilitate the installation of equipment of this sort until the entities involved have submitted peer reviewed and independent studies which prove their safety beyond reasonable doubt.

As a side note, I would like to comment on the redefining of "broadband" to include wireless and 5G. This kind of sneaky maneuver is exactly why public approval of government is at an all time low. I would remind all legislators to remember that they are sworn to act in the public interest before the interest of any special group.

SB-2527-SD-2

Submitted on: 6/21/2020 10:09:31 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Lorraine Pualani Shin	Individual	Oppose	No

Comments:

I oppose this Bill because it is dangerous to the health of all who are within its radiation waves. My family lives at 184 Puueo Street, Hilo Hawaii 96720, and my two young granddaughters live at Bay Shore towers 84 Pukihae Street on the 11th floor, Hilo, Hawaii 96720. There are radiation wave towesr located on the roof of Bay Shore Towers located at 84 Pukihae Street, Hilo, Hawaii 96720. My home is located directly across from the Bay Shore Towers building, and the granddaughters live on the 11th floor. This building has 12 stories. Around February of this year, my on Reagan Penn who is a computer engineer began having severe pounding headaches, and he couldn't sleep. My ex-hubby 75 lives with me began having vertigo, unable to sleep at night, headaches, and imbalance which caused him to fall several times. I purchased a EMT 390 radiation meter to monitor the radiation waves being omitted from the towers on Bayshore Towers. Montioring number of 7 and 8 is safe. The meter read 209 in my home which is very high. I had the meter taken to my granddaughters apartment at Bay Shore Towers and it read 638 in the unit. This is extremely high and dangerous. My son had to move to Puna so he can sleep at night. I purchased a \$1500 canopy to put over his bed for him to stay with me. I'v contacted the planning department, the Dept of Health, the FCC, and the Management of Bay Shore Towers of the radiation risk to our health. Planning says to call DOH, DOH tells me to contact FCC, FCC sends you a response of advising them with no action. The Bay Shore Towers collect fees from AT&T and Verizon to have the towers on their building. If it's affecting my family, it's affecting thousands of others within range of its radiation waves. Oppose

SB-2527-SD-2

Submitted on: 6/21/2020 10:09:58 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Amazing Amy Harlib	Individual	Oppose	No

Comments:

**SB2527 - A Bill to Appropriate Grant Money for Expanded Broadband (5G) -
OPPOSE**

This bill awards tax-payer funded grants to extend deployment of wired and wireless infrastructure to rural areas. Your tax dollars used to pay for more 4G cell towers and 5G antennas. **OPPOSE**

EMF microwave radiation is deadly to all life on earth!

Go back to land lines and wired internet connections!

4G and 5G existential threat to life information here:

<https://keepyourpower.org>

<https://www.5gcrisis.com>

<https://stop5ginternational.org>

<https://www.5gspaceappeal.org/about>

<http://www.electrosmogprevention.org>

SB-2527-SD-2

Submitted on: 6/21/2020 10:14:33 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Stefanie Nolf	Individual	Oppose	No

Comments:

Please oppose this bill! I am living on this island and have to raise children and I want to do this safe.

Please do your research! There is a reason why other countries ban this

SB-2527-SD-2

Submitted on: 6/21/2020 10:24:47 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Cindy Williams	Individual	Oppose	No

Comments:

Please vote NO against SB2527 NO TAX PAYER MONIES DONATED TO THIS PROJECT. THANK YOU

SB-2527-SD-2

Submitted on: 6/21/2020 10:25:08 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Lucy Bell	Individual	Oppose	No

Comments:

Please do not move forward with Broadband 5G. Please consider other options for our future that will help Hawaii thrive in an ethical way. In light of Covid19, we are now more than ever needing to make decisions that will not contribute to sickness, which the 5G Broadband radiation electrosmog could very well do. Other countries are finding alternatives, let's do the same!

SB-2527-SD-2

Submitted on: 6/21/2020 10:29:09 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Chandra Fulton	Individual	Oppose	No

Comments:

I Chandra Fulton oppose additions of 5G. I believe it is harmful to our health. I am definitely not in support of my tax dollars contributing to that in any way.

Aloha,

Chandra

SB-2527-SD-2

Submitted on: 6/21/2020 10:47:30 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Rum Yana	Individual	Oppose	No

Comments:

Humans and the environment will be negatively impacted by EMF radiation from 5G antennas, the question is: to what extent?

With 2G, 3G, 4G and 5G, humans are exposed to electromagnetic radiation (EMR). Given that the prior generations of wireless technologies have existed for some time, scientists have been able to study how human and environmental health is affected by the EMRs these technologies give off.

Is It Possible For 5G To Harm People?

Hundreds of scientists and thousands of peer-reviewed publications have been raising concerns about electromagnetic radiation and its effect on human biology. This is why a few years ago, more than 200 scientists petitioned the United Nations about the issue. Although these issues have not received mass media attention, they are going on, the science does exist and it's time people are told about all of the information available.

The appeal and the concerns raised were published in the European Journal of Oncology, in the form of a study titled "International Appeal: Scientists call for protection from non-ionizing electromagnetic field exposure."

Please also look at the Bio-initiative Report 2012 (updated 2017) - A Rationale for Biologically-based Public Exposure Standards for Electromagnetic Fields (ELF and RF) bioinitiative.org and Physicians for Safe Technology – 5G Mobile Communications mdsafetech.org.

The attached document by Martin Pall, PHD describes the biological effects and harm of wireless radiation. Please consider all relevant published scientific documents. Please consider people's health before giving in to private & corporate interests.

Irradiating us with wireless non-ionizing electromagnetic radiation against our consent would be an application of force against people, causes fear of bodily injury and could be classed as a civil trespass and/or a criminal assault.

Please consider human safety first; we need to be informed about safety and possible risks to protect those who are the most vulnerable -- our children.

Respectfully, Rumi Yana

SB-2527-SD-2

Submitted on: 6/21/2020 11:02:06 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Daniel Kanahale	Individual	Oppose	No

Comments:

I do not support tax payer dollars being used for 4G or 5G wireless infrastructure

June 21, 2020

Hawaii State Legislature

RE: SB2527

Redefining “Broadband” to include wireless and 5G technology without calling it such is overtly misleading. There is no EIS study to determine if the allowance of this measure would justify its implementation without full disclosure of how this increased technology, its placement, and frequencies would impact delicate ecosystems of Hawai’i, including developmentally for children, exposures to bees, birds and all other living organisms, that this blanketed measure would essentially ignore. Economically we need better connectivity to the internet in rural places, however the health of the community comes first. This bill is misleading in a broad sense so I must oppose it.

Sincerely,

Gaylene L Barron
88 Mamao Place A
Haiku, HI 96708
808-442-2722
mauileab@gmail.com

SB-2527-SD-2

Submitted on: 6/21/2020 11:23:22 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Anne Allison	Individual	Oppose	No

Comments:

The FCC is run by the telecom companies which have used moneis that were supposed to go for hard wire computer connection for years, always pushing their own agenda. There are no scientists or doctors so they keep saying that wif-fi, 3G, 4G and now 5G are safe. They are not!!!! Kind of like tobacco, opioids, radiation, DDT, GMOs. There are now hundreds of scientific papers that show that 5G is dangerous for all living things!!! What aobut your children!!! 5G was developed in Israel as a defensive weapon. I do not want my tax dollars to be used to bathe us in wi-fi, microwave and other disruptive frequencies!

Sincerely,

Anne Allison

SB-2527-SD-2

Submitted on: 6/21/2020 11:32:29 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
janelle ragusa	Individual	Oppose	No

Comments:

5G is extremely dangerous to our hormone and neurological health.

Cases of increased cancer and brain illnesses are associated with exposure to 5G.

Info:

Thousands of studies link low-level wireless radio frequency radiation exposures to a long list of adverse biological effects, including:

DNA single and double strand breaks

oxidative damage disruption of cell metabolism increased blood brain barrier

permeability melatonin reduction

disruption to brain glucose metabolism

generation of stress proteins

Let's not also forget that in 2011 the World Health Organization (WHO) classified radio frequency radiation as a possible 2B carcinogen



Charter Communications
Testimony of Myoung Oh, Director of Government Affairs

COMMITTEE ON ECONOMIC DEVELOPMENT & BUSINESS

COMMITTEE ON INTRASTATE COMMERCE

Hawai'i State Capitol, Conference Room 329
Monday, June 22, 2020
11:15 AM

SUPPORT OF S.B. 2527, S.D.2, RELATING TO BROADBAND SERVICE INFRASTRUCTURE

Chair McKelvey, Chair Ohno, Vice-Chair Kitagawa, Vice-Chair Kobayashi, and Members of the Joint Committees.

Thank you for the opportunity to provide testimony **in support** of S.B. 2527, S.D.2 with proposed technical amendments, which establishes a statewide broadband service infrastructure grant program. The goal is to provide greater broadband connectivity for residents in unserved and underserved areas of Hawai'i by promoting the extension of broadband-related infrastructure, in primarily rural areas where the buildout costs are prohibitively expensive. As demonstrated by the effects of Covid-19, the need for reliable and accessible broadband connectivity to service these areas has been never been greater.

While S.B. 2527 SD2 accomplishes many things, it is important to note that **this bill does not prohibit nor impede companies from applying for and receiving broadband infrastructure grants for build-out in Hawaii from the FCC's (RDOF) Rural Digital Opportunity Fund or any other federal grant subsidy program.** In fact, the FCC expressly contemplates that RDOF will work alongside state

programs to extend the reach of government support for infrastructure buildout and state's with broadband subsidy grant programs also have many operators who received federal subsidy grants as well from the RUS Reconnect Fund and the FCC's Connect America Fund (a predecessor to RDOF). As the FCC made clear in its RDOF order: **"Our intent is to exclude areas where 25/3 Mbps or better service has been or will be deployed without Rural Digital Opportunity Fund support, not to prevent winning bidders from accessing other funding sources, including from states."**

Acknowledging the comments raised in previous testimony from the Department of Commerce and Consumer Affairs (DCCA) we wanted to clarify that **this state broadband grant program will not prohibit access to federal funds in the future** and we respectfully suggest that this be further clarified throughout the administrative rule making process.

Charter strongly supports increasing access to broadband services for residents across the State where service is not available. A properly structured and administered state broadband grant program as outlined in S.B. 2527, S.D.2 will help communities on all islands reduce the connectivity disparity these residents face due to the lack of adequate broadband infrastructure and will complement federal programs such as RDOF to ensure that even more funding gets to unserved areas.

Because of Hawai'i's unique geography and terrain and the significant prices for goods, labor and materials, the cost of providing a connection exceeds the cost of providing a similar connection in many areas throughout the U.S. mainland. By allocating resources to build broadband infrastructure to unserved and underserved areas of Hawai'i, S.B. 2527, S.D.2 will help broaden and

enhance opportunities in every aspect of peoples' lives through economic development, education, and health care.

To ensure public funds are directed to where it is most needed and the proper administration of those funds, we believe that legislation should incorporate the following key principles, which are also reflected in S.B. 2527, S.D.2:

- Focus must be on areas which are unserved. The current FCC standard for broadband is 25Mbps download and 3Mbps upload. Any public investment should target resources to areas not currently served by broadband at the 25/3 standards developed by the FCC. This requirement will ensure that funds go to areas that need it the most and where the benefit to rural communities will be the greatest.
- A grant program must include open and transparent rules to identify where applicants are seeking state subsidies and a robust challenge process. Public investment should not occur where the private sector has already invested in broadband infrastructure and service. To guard against a waste of state funds and against duplication of networks and investment where it is not needed, the state's program should include a transparent process which allows adequate time for existing broadband providers to confirm whether an area is already served or to commit to deploying service within a reasonable time such that state funds could be directed to an area in need of assistance.
- The application process should be thorough to weed out unqualified applicants, but at the same time simple to avoid burdensome administrative rules that discourage

investment; applicants should receive adequate time to complete their investment and the state should provide support to avoid permitting delays that can impede the process.

Charter Communications is a dedicated community partner in Hawai'i. As the largest broadband provider in Hawai'i with services available to over 440,000 homes and businesses in all 4 counties, including Molokai and Lanai, and Charter continues to expand its network. As a result of significant network investments, Charter's base broadband speed is 200/10Mbps and we now offer Spectrum Internet Gig (with download speeds of 940 Mbps) in almost all of Hawai'i. Charter continues to significantly invest and provide infrastructure improvements, unleashing the power of an advanced, two-way, fully interactive fiber network. By moving to an all-digital network, today's Spectrum customers enjoy more HD channels, more On Demand offerings, more video choices than ever before, and benefit from faster internet speeds and enhanced network reliability.

Charter also offers a low cost, robust broadband service for \$17.99/month to eligible low-income families and seniors to help bridge the digital divide. At 30/5 Mbps, Spectrum Internet Assist will have a positive impact on the communities we serve in Hawai'i and help to ensure greater access to broadband technology to bridge the digital divide.

Charter respectfully requests the passage of S.B. 2527, S.D.2 with the amendments in the proposed H.D. 1 to ensure that a public-private policy framework is built to connect unserved and underserved areas of Hawai'i with essential broadband connectivity.

Mahalo for the opportunity to provide testimony.

A BILL FOR AN ACT

RELATING TO BROADBAND SERVICE INFRASTRUCTURE.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

SECTION 1. The legislature finds that access to reliable high-speed broadband across the state and in every community is tessential to the health and economic realities of our residents. The need for new and enhanced broadband infrastructure is- significant, highlighted by the devastating impact of COVID-19. The lack of accessibility to reliable high-speed broadband has had a tremendous negative effect in many areas, but particularly underserved and unserved communities. Insufficient broadband infrastructure and access has hampered the ability of the State to deliver consistent and meaningful distance learning for all students. Tele-health services have replaced in-person doctor visits and are now serving as a significant tool in providing remote medical services to those who would otherwise be unable to receive proper medical care. Reliable broadband access has meant the difference between an employee being able to working remotely or possibly facing unemployment. Online access is also a critical tool for those seeking to access social services such as unemployment claims, SNAP benefits, vital records and other critical government services. The ability to provide the services needed rely upon the existence of a robust and extensive broadband infrastructure. -the economic and business incentives to deploy broadband infrastructure may be insufficient to economically justify providing full access to broadband services in low-density, rural locations and other unserved and underserved areas of the State where the unit costs of providing service may not provide an adequate return on investment.

~~—Economically feasible deployment of infrastructure for high-speed broadband across the State, especially to low population density areas, presents a more formidable~~

HD1 – Draft

~~challenge than faced by most states, which are part of one continental land mass. The unique geography of the State prevents the use of less costly options for connectivity.~~

Improved and increased aAccess to broadband services in unserved and underserved areas of the State would enhance Hawaii's overall economic development, education, health care, and emergency services. Making grants available for the deployment of broadband infrastructure to unserved and underserved areas would encourage additional new private investment in broadband infrastructure and move the State toward full access to broadband services.

The legislature strongly supports efforts to improve access to broadband services for residents, consumers, and businesses across the State. Although broadband coverage in the State is widespread, additional investment ~~must~~ be made to meet ~~the~~ access needs in rural communities and enhance~~improve~~ access for those in communities that~~who~~ require~~need~~ immediate~~improved~~ infrastructure improvements.

The purpose of this Act is to facilitate the deployment of last-mile broadband infrastructure in unserved and underserved areas of the State by identifying and addressing any remaining obstacles to full deployment of broadband infrastructure to all areas of Hawaii. More specifically, this Act establishes the broadband infrastructure grant program to award grants to extend the deployment of facilities used to provide broadband service to unserved and underserved areas of the State.

SECTION 2. The Hawaii Revised Statutes is amended by adding a new chapter to title 13 to be appropriately designated and to read as follows:

"CHAPTER

BROADBAND INFRASTRUCTURE GRANT PROGRAM

§ -1 **Definitions.** As used in this chapter, unless the context requires otherwise:

"Broadband infrastructure" shall have the same meaning as in section 440J-1.

"Broadband service" shall have the same meaning as "broadband access or broadband service" in section 440J-1.

HD1 – Draft

"Department" means the department of business, economic development, and tourism.

"Program" means the broadband infrastructure grant program established by this chapter.

"Project" means a proposed deployment of broadband infrastructure set forth in an application for grant funding authorized under this chapter.

"Project area" means a census block or aggregation of adjacent census blocks proposed to be covered in an application for grant funding authorized under this chapter.

"Underserved area" means a project area with access to broadband service that the minimum upload and download speeds are less than double the minimum upload and download speeds required for broadband service.

"Unserved area" means a project area without access to broadband service.

§ -2 Establishment of the broadband infrastructure grant program. There is established the broadband infrastructure grant program within the department of business, economic development, and tourism for administrative purposes. The department shall receive and review grant applications and may award grants for eligible projects pursuant to the program.

§ -3 Eligible projects. The department may award grants for eligible projects; provided that on the date the application is submitted, the area to be served by the project shall be an unserved area or underserved area; provided further that no funds may be used to support any project involving the upgrade of an existing broadband plant by an applicant.

§ -4 Eligible applicants. To be eligible for a grant, an applicant shall:

(1) Commit to paying a minimum of twenty per cent of the total project costs out of the applicant's own funds; ~~provided that no portion of these funds shall be derived from federal or state government grants, loans, or subsidies;~~ and

HD1 – Draft

(2) Be any non-governmental entity with demonstrated experience in providing broadband service, broadband infrastructure, or other communication services to residential customers within the State; ~~and~~

~~(3) Commit to complying with net neutrality principles as defined by Executive Order No. 18-02.~~

§ -5 Applications. (a) The department shall establish an annual time period to commence an open process for submission of applications for funding under the program. The time period for submission shall be no less than sixty days and no more than ninety days.

(b) The form of the application shall be as prescribed by the department and shall include submission of:

(1) Evidence demonstrating the applicant's experience and ability to build, operate, and manage broadband infrastructure serving residential customers;

(2) A description of the project area, including a list of census blocks covered by the proposed deployment. If a census block included in a project is partially served by a provider of broadband service, the application shall include a:

(A) Description of the portions of the census block that are served;

(B) Description of the portions of the census block that constitute an unserved area or underserved area; and

(C) Certification that no portion of the grant provided by the program for the project shall be used to extend or deploy facilities to any already-served households;

(3) A description of the broadband infrastructure that is proposed to be deployed, including facilities, equipment, and network capabilities, including minimum speed thresholds;

HD1 – Draft

(4) Evidence, including certification from the applicant, demonstrating the unserved or underserved nature of the project area;

(5) The number of households in each:

(A) Unserved area that would gain access to broadband service; and

(B) Underserved area that would gain access to broadband service with minimum upload and download speeds that are equal to or more than double the minimum upload and download speeds required for broadband service,

as a result of the grant;

(6) The total cost and timeline for completion of the project;

(7) The amount of matching funds that the applicant proposes to contribute and a certification that no portion of the matching funds are derived from any ~~federal or~~ state government grants, loans, or subsidies;

(8) Evidence demonstrating the economic and commercial feasibility of the project;

(9) A list of all expected government authorizations, permits, and other approvals required for the project and a timeline for the applicant's acquisition of the approvals; and

(10) Any other information required by the department.

§ -6 Review of applications; approval. (a) Within five business days following the last day of the time period for submission of applications to the program, the department shall make all of the applications available for review in a publicly available electronic file posted on the department's website.

(b) A broadband service provider that provides service within or directly adjacent to a proposed project area may submit a written challenge to any application within forty-five

HD1 – Draft

days of the department making the applications available for review pursuant to subsection (a). The challenge may:

(1) Dispute an applicant's certification that a proposed project area is an unserved area or underserved area or that no other federal or state programs provide funding that is available to the applicant for a project for which program support is sought; or

(2) Attest to the challenging provider's existing or planned provision of broadband service within the applicant's proposed project area.

(c) In reviewing applications and any accompanying challenge, the department shall review the proposed project areas to ensure that all awarded funds are used to deploy broadband infrastructure to unserved areas or underserved areas.

(d) The department shall award program grants based upon a scoring system that shall be released to the public at least thirty days prior to the first day of the time period for submission of applications. The scoring system shall give the highest weight or priority to the following specific criteria:

(1) Projects proposing to serve a larger geographic area, whether an unserved area or underserved area;

(2) Applicants with more experience and technical ability to successfully deploy and provide broadband service and more financial resources available to finance the project;

(3) Projects for which fewer government funds and less support are necessary to deploy broadband infrastructure in an economically feasible manner;

(4) Projects with a higher amount of matching funds proposed to be committed by the applicant;

(5) Projects in unserved areas, rather than those in underserved areas;

(6) High service speed thresholds proposed in the application and high scalability of the broadband infrastructure proposed to be deployed;

HD1 – Draft

(7) Applicants with a high ability to leverage nearby or adjacent broadband infrastructure to facilitate the proposed deployment of service to households;

(8) Projects that do not duplicate any existing broadband infrastructure in the project area; and

(9) Other factors the department determines to be reasonable and appropriate, consistent with the purpose of facilitating the deployment of broadband infrastructure to unserved and underserved areas.

(e) Each grant award shall include a reasonable timeframe to complete the project.

§ -7 Departmental authority. The department may:

(1) Following notice and an opportunity to cure, require disgorgement of grant funds in response to an applicant's pattern of failure to build-out a project area in accordance with the timelines and milestones set forth in its application;

(2) Consider an applicant's financial ability to complete the project proposed in an application;

(3) Make reasonable requests for information necessary for the oversight and administration of any project funded pursuant to this chapter; and

(4) Impose any new or additional regulatory requirements on grant recipients, through grant agreements or any other mechanism, in addition to the program implementation rules expressly authorized in this chapter.

§ -8 Rules. (a) The department shall adopt rules pursuant to chapter 91 to effectuate the purposes of this chapter.

(b) The rules shall:

(1) Include reasonable oversight and reporting provisions to ensure that grant moneys are used as intended; and

(2) Not impose any financial penalty or liquidated damages provisions, or provisions that are not reasonably related to the deployment of broadband infrastructure on the State in accordance with this chapter."

HD1 – Draft

SECTION 3. Within ~~180 one hundred eighty days~~ 18 months of the approval of this Act, the department of business, economic development, and tourism shall adopt rules pursuant to chapter 91, Hawaii Revised Statutes, to implement the broadband infrastructure grant program; provided that any rules adopted pursuant to this section shall include rules regarding the submission, review, and approval of applications; administration of projects funded; and grant agreements memorializing the award of funds.

SECTION 4. This Act shall take effect on upon approval. ~~July 1, 2050~~.

Report Title:

DBEDT; Broadband Infrastructure Grant Program; Unserved and Underserved Areas

Description:

Establishes the broadband infrastructure grant program within the Department of Business, Economic Development, and Tourism, to award grants to applicants to extend deployment of infrastructure used to provide broadband service to unserved and underserved areas of the State. Effective upon approval ~~7/1/2050~~. (SD2)

SB-2527-SD-2

Submitted on: 6/21/2020 11:52:15 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Diane Kitahara	Individual	Oppose	Yes

Comments:

I strongly oppose SB2527!

SB-2527-SD-2

Submitted on: 6/21/2020 12:01:18 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Cheryl Greene	Individual	Oppose	No

Comments:

Please protect the health of all your constituents and particularly the children from this 5G that they're trying to underhandedly sneak in we oppose this Bill wholeheartedly!
Signed Cheryl green

SB-2527-SD-2

Submitted on: 6/21/2020 12:37:42 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Casey Brown	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 1:23:29 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Naomi Ackerman	Individual	Oppose	No

Comments:

I am strongly opposed to this bill (SB2527) (regarding my tax dollars being used) to put up more 4G cell towers and 5G antennas in any area. I also appreciate transparency, as opposed to changing the definition of "broadband" to include wireless, so that people against 5G don't notice. Until proper and thorough testing and honest reporting is done verifying absolute safety to all humans and animals, I do not approve of this technology being deployed, and it should be removed. This is for the highest good.

SB-2527-SD-2

Submitted on: 6/21/2020 1:57:39 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Stasia	Individual	Oppose	No

Comments:

I strongly oppose this bill. Including 5G in furthering broadband internet is not acceptable at the current time. There is no safety data to show that 5G is safe for humans or our environment, and there MUST be a long term environmental safety report for our island's delicate ecosystem. Until both human and environmental safety measures are thoroughly studied for impact, this is not okay. Hard, and emphatic NO.

Mahalo,
Stasia Estep

SB-2527-SD-2

Submitted on: 6/21/2020 2:13:18 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Eugene Elmer	Individual	Oppose	No

Comments:

I, Eugene Elmer, oppose SB2527 SD2. Public funding

for technology that has not been independently and comprehensively tested, I am completely against.

SB-2527-SD-2

Submitted on: 6/21/2020 2:39:03 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jessica Penner	Individual	Oppose	No

Comments:

I strongly oppose any effort to roll out 5G in my community. Hundreds of scientists are currently sounding the alarm regarding the potentially harmful effects of 5G on human health. It is reckless and irresponsible to forge ahead with 5G technology before thoroughly addressing the related safety concerns and without the full input and consent of local residents.

I do not consent.

We. Do. Not. Want. 5G. Period.

SB-2527-SD-2

Submitted on: 6/21/2020 2:51:49 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jessica Mitchell	Individual	Oppose	No

Comments:

5g needs to be studied more relating to human health and insects specifically our pollinators. Up

SB-2527-SD-2

Submitted on: 6/21/2020 2:59:04 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
John NAYLOR	Individual	Oppose	No

Comments:

Aloha,

Until there are appropriate scientific studies on the health (ie body, mind, spirit) of EMF and specifically living around cell towers 4G & 5G for our selves and especially our keiki,showing no harm, I oppose this bill and all bills that promote this technology! Insist upon unbiased (not sponsored by corporate \$\$\$) independent, long term, double blind studies.

SB-2527-SD-2

Submitted on: 6/21/2020 4:02:49 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Patricia L. Gardner	We Are One Ministries	Oppose	No

Comments:

SB2527 - A Bill to Appropriate Grant Money for Expanded Broadband (5G)

I OPPOSE this bill that awards tax-payer funded grants to extend deployment of wired and wireless infrastructure to rural areas. I OPPOSE that my tax dollars be used to pay for more 4G cell towers and 5G antennas.

SB-2527-SD-2

Submitted on: 6/21/2020 4:20:30 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Sean Mortland	Individual	Oppose	No

Comments:

Over 10,000 peer-reviewed studies have confirmed the harmful effects of EMF & RF radiation from 2G/3G/4G/5G on humans, animals and insects. There is strong evidence linking autism to pre and or post-birth EMF & RF radiation. The current # is 1 in 24 children. The rate is doubling every four years. Guess what else is doubling every 4 years? Our exposure to this wireless smog. DO THE MATH! Why would you soak these sacred Islands, your residents and visitors in toxic wireless soup?

Stop trying to cover up the rollout of more small cell wireless telecommunication facilities. Why don't you require these telecoms to carry insurance for the harmful effects of EMF & RF radiation?!? Is it because no insurance company on the planet will insure them, including Lloyd's of London, even though the telecoms are OVER SIX TIMES larger than all the pharmaceutical industry combined? Think about that. Take a stand and protect Hawaii.

SB-2527-SD-2

Submitted on: 6/21/2020 4:47:47 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
gabriela	Individual	Oppose	No

Comments:

I do not agree with expansion of 5G technologies without further testing of the possible health concerns they present to the general public exposed to this technology.

SB-2527-SD-2

Submitted on: 6/21/2020 5:27:22 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Carla Keller	Individual	Oppose	No

Comments:

This is just hiding 5G in broadband. We do NOT want 5G. It must be independently tested for safety and you should not be trying to sneak it by this way.

SB-2527-SD-2

Submitted on: 6/21/2020 5:30:12 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Semyon Bilmes	Individual	Oppose	No

Comments:

I strongly oppose this bill basing my opposition on scientific evidences showing extreme danger to our health from 5G. Numerous studies show that 5G is a dangerous devise and as Senator Blumenthal in congressional hearing raised concerns with the lack of any scientific research determined, no studies have been done by the 5G manufacturers and data on the technology's potential health risks. In December 2018, Blumenthal and U.S. Representative Anna G. Eshoo (CA-18) sent a letter to FCC Commissioner Brendan Carr seeking answers regarding potential health risks posed by new 5G wireless technology.

I hope that this body will be rational enough to stop this proposal for our Hawaii until further investigation into the health side-effects of this technology.

SB-2527-SD-2

Submitted on: 6/21/2020 5:33:26 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Becky McGuire	Individual	Oppose	No

Comments:

I am against any funding and installation of 5g. It is dangerous to our community and our health.

SB-2527-SD-2

Submitted on: 6/21/2020 6:52:07 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
katie mickey	5G Free Santa Barbara	Oppose	No

Comments:

I oppose using federal tax payer money to install 4G/5G small cell wireless facilities. There are over 25,000 peer reviewed scientific studies demonstrating this technology is not safe and can lead to cancer, DNA damage, cognitive decline, tinnitus, insomnia, high anxiety and infertility. Fiber optics to the premise is far superior and is safe and has already been paid for through monthly taxes on phone bills paid by customers over many years. The telecoms have done a bait and switch, taking our tax dollars and diverting the funds to their for profit business. I ask you to keep Hawaii safe. It is a beautiful oasis, keep it that way by opposing harmful RFR.

Katie Mickey

SB-2527-SD-2

Submitted on: 6/21/2020 7:39:20 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Paul Stanley	Individual	Oppose	No

Comments:

I am opposong this bill because I know from personal experience that microwave radiation exposure in very harmful to your health.

Broadband Internet and data services should be used only to classify fiber optic, ethernet and othe wired transmission. Microwave transmission should only be classifeied as wireless transmission.

There is much evidence listed at: <https://bioinitiative.org/>

Please do not pass this bill as the health of your people is at great risk.

Mahalo, Paul Stanley

SB-2527-SD-2

Submitted on: 6/21/2020 8:15:16 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
KRISTEN H MATSON	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 8:25:43 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
scott higa	Individual	Oppose	No

Comments:

I oppose SB2527. Not allowing to use our tax money for 5G antenna.

SB-2527-SD-2

Submitted on: 6/21/2020 8:30:04 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Krista Anderson	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 8:47:54 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Kim Haine	Individual	Oppose	No

Comments:

You're hiding 5G within "broadband". This technology is extremely dangerous to our health. I oppose its implementation in Hawai'i and especially the use of our tax dollars to fund. STOP 5G until you have done your due dilligence by independently researching the health effects of this technology.

SB-2527-SD-2

Submitted on: 6/21/2020 9:05:33 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Paula	Individual	Oppose	No

Comments:

I oppose the bill because there is no studies that Show the Safety of 5G Wireless Technology. Until it can be shown, that this technology does not cause any long term effects in humans as well as our eco system, we should refrain from increased usage. The tax payer does not want to finance technology that can potentially harm our children!!

Please stand for the Hawaiian people and for Hawaiians unique natural environment and vote NO on this bill.

SB-2527-SD-2

Submitted on: 6/21/2020 9:07:33 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Marlies Lee	Individual	Oppose	No

Comments:

I oppose SB2527

Be transparent! Don't include 4G/5G with broadband!

No 4G/5G towers in neighborhoods or by schools.
Only allow Fiber optics, it's safe, secure and fast.

Broadband will not lower my property value cause it's not an eyesore.

Cell towers are ugly and they hum, a nuisance to any neighborhood.

The FCC is being sued.

I vote for state owned broadband fiber optics! Keep the money in Hawaii.

Keep Hawaii beautiful and safe for all humans, animals and plants! No cell towers or antennas.

Yes to safe Fiber Optics!

SB-2527-SD-2

Submitted on: 6/21/2020 9:18:25 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Christine Thomas	Individual	Oppose	No

Comments:

SB-2527-SD-2

Submitted on: 6/21/2020 9:18:26 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Yulia Muzychenko	Individual	Oppose	No

Comments:

I am not supporting this bill due to the fact that 5G is not proven to be safe. I am not willing for the government to use my tax money to support such unsafe industry.

SB-2527-SD-2

Submitted on: 6/21/2020 9:53:11 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Carrie Rogers	Individual	Oppose	No

Comments:

I oppose the installation of any 5G antenna. These pose an extremely serious human health risk.

SB-2527-SD-2

Submitted on: 6/21/2020 11:14:19 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Lanette Harley	Individual	Oppose	No

Comments:

Absolutely NO to any legislation to allow for 5G.

SB-2527-SD-2

Submitted on: 6/21/2020 11:27:04 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
LAUREN MANWILL	Individual	Oppose	No

Comments:

I do not support this.

SB-2527-SD-2

Submitted on: 6/21/2020 11:41:45 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
hanna blumenfeld	Individual	Oppose	No

Comments:

First off I would like to say thank you all for the job you do and understand this is not an easy task. Thanks for taking the time to review our testimonies and consider our opinions. That being said I oppose SB2527 as a community member, mother and hard working taxpayer, we can not use our island as a testing ground for under tested technology. We do not know all the side effects of this new technology whether that be in the people, animals or our environment. Could we please hold off until we have more information and more testing done before we offer up this beautiful place with it's lovely aloha spirit. Thank you again

SB-2527-SD-2

Submitted on: 6/22/2020 6:46:51 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Sonni Bersamina	Individual	Oppose	No

Comments:

Maui is opposed to the wide use of 5G wireless. This service emits too much radiation and is detrimental to living organisms.

SB-2527-SD-2

Submitted on: 6/22/2020 7:01:07 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Diane Neuman	Individual	Oppose	No

Comments:

I oppose the use of 5G installments. Many countries and counties around the world have banned this technology because it's unsafe use. It was intially developed by the military as a weapon. Numerous recent scientific publications of more than 240 scientists who have published research on the biologic and health effects of EMB, signed the International EMF Scientist appeal sighting that facts that have shown that EMF affects living organisms at levels well below most international and national guidelines. Effects included increased cancer risk, cellular stress, increase in harmful free radicals, genetic damages, structural and functionals changes of the reproductive system, learning and memory deficits, neurological disorders, and negative inpacts on general well-being in humans. Damage goes well beyond the human race, as there is growing evidence of harmful effects to both plant and animal life. These companies that want to install the 5G are using our tax dollars for the use of the telephone poles. Again...I strongly oppose the 5G

SB-2527-SD-2

Submitted on: 6/22/2020 7:23:52 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Margo Cohen	Individual	Oppose	No

Comments:

Aloha,

Please oppose SB2527. There are numerous studies and hard science that prove that this type of technology is extremely unhealthy and destructive towards people, animals, and the planet.

Best regards,

Margo Cohen

SB-2527-SD-2

Submitted on: 6/21/2020 11:20:52 PM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Renee Dieperink	Individual	Oppose	No

Comments:

I oppose SB2527

This technology will be used for 5G eventually, and there are many peer reviewed research reports that show this can be harmful to people. In telecommunications act of 1996, section 704 indemnified the telecommunication industry from having to prove that this technology does not harm people or the environment.

In a federal senate hearing on 2/6/2019 senator Blumenthal asked telecom executives if the industry could cite ANY studies that shows this technology is safe. None could city ANY research! Why are we okay with this? Watch the 4:51 min. clip

here: <https://bit.ly/2Z16T8G>

This means we are flying blind!

If you are going to pass this bill, please ADD a provision that the telecom industry first have to prove this 5G technology is safe.

Thank you.

Written Statement of
Ani Menon
Director of Government & Community Affairs

**HOUSE COMMITTEES ON ECONOMIC DEVELOPMENT AND BUSINESS &
INTRASTATE COMMERCE**

June 22, 2020 11:15AM
State Capitol, Conference Room 329

COMMENTS FOR:

S.B. NO. 2527 SD2 RELATING TO BROADBAND SERVICE INFRASTRUCTURE

To: Chairs McKelvey and Ohno, Vice-Chairs Kitagawa and Kobayashi, and Members of the Committees

Re: **Testimony providing comments for SB 2527 SD2**

Aloha Honorable Chairs, Vice-Chairs, and Committee Members:

Thank you for this opportunity to submit comments on Senate Bill 2527 SD2. The intent of this bill is to establish a broadband infrastructure grant program that would serve rural communities. Hawaiian Telcom supports this intent with the following comments.

Hawaiian Telcom is the only service provider who has submitted bids for and won federal Connect America Funds (CAF) to connect rural communities throughout Hawaii. CAF is the Federal Communications Commission's (FCC) major reform to the Universal Service Fund to accelerate broadband deployment in unserved areas across the nation.

We most recently submitted and won a competitive bid for the CAF Phase II Auction (a second allocation of FCC Phase II funds, 2018-2024). Hawaiian Telcom was awarded \$18.2 million in CAF Phase II Auction funds to deploy high-speed internet service of 1 gigabit per second download and 500 megabits per second upload.

The FCC recently established the federal Rural Digital Opportunity Fund (RDOF), a successor to the CAF program. RDOF will provide \$20.4 billion in nationwide broadband deployment funding. The RDOF order states that “[the FCC] will exclude those census blocks which have been identified as having been awarded funding through the U.S. Department of Agriculture’s ReConnect Program, or awarded funding through other similar federal or state broadband subsidy programs to provide 25/3 Mbps or better service.”

Based on this language, the FCC may exclude census blocks that receive broadband deployment funding from a state broadband program from their list of eligible areas. **We are concerned that the establishment of a state broadband subsidy program will jeopardize our state’s access to significant federal broadband funds based on the FCC’s language.** Thank you for the opportunity to submit these comments for Senate Bill 2527 SD2.

SB-2527-SD-2

Submitted on: 6/22/2020 9:32:05 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Tanja Miller	Individual	Oppose	No

Comments:

PLEASE DO NOT USE tax-payer funded grants to extend deployment of wired and wireless infrastructure to rural areas. I do NOT want my tax dollars used to pay for more 4G cell towers and 5G antennas. Thank you!

SB-2527-SD-2

Submitted on: 6/22/2020 10:19:52 AM

Testimony for EDB on 6/22/2020 11:15:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
E. Ileina Funakoshi	Individual	Oppose	No

Comments:



KAMEHAMEHA SCHOOLS®

House Committee on Economic Development & Business
House Committee on Intrastate Commerce

Time: 11:15 a.m.
Date: June 22, 2020
Where: Conference Room 329

TESTIMONY
By Ka‘ano‘i Walk
Kamehameha Schools

RE: SB 2527, SD2, Relating to Broadband Service Infrastructure

E ka Luna Ho‘omaluku McKelvey, ka Luna Ho‘omaluku Ohno, ka Hope Luna Ho‘omaluku Kitagawa, ka Hope Luna Ho‘omaluku Kobayashi, a me nā Lālā o kēia mau Kōmike a ‘elua, aloha! My name is Ka‘ano‘i Walk, the Senior Policy Analyst for Kamehameha Schools.

As an educational institution seeking to advance education in Hawai‘i, Kamehameha Schools is in **support** of SB 2527, SD2, which establishes the broadband infrastructure grant program within the Department of Business, Economic Development, and Tourism, to award grants to applicants to extend deployment of infrastructure used to provide broadband service to unserved and underserved areas of the State.

We believe that broadband and high-quality digital access is a critical, fundamental infrastructure for any public, resilient education system.

We know that:

- People are increasingly reliant on digital technologies and broadband internet access to fully participate in society.
- While digital literacy and internet use are especially high among young adults, individuals with higher levels of education, and more affluent households, a “digital divide” still exists for many groups.
- Unequal access to the Internet exacerbates social stratification, limiting economic and educational opportunities for marginalized groups
- Educators play a pivotal role in developing digital citizenship, which is critical to economic opportunity, job creation and civic engagement

Investing in digital equity for all residents in Hawai‘i contributes to:

- o Improved life-long learning
- o Resilient and connected communities
- o And a stronger, more innovative economy

Exacerbated by the COVID crisis, prioritizing actions to reduce the learning losses of our future generation that the lack of digital access creates, is high stakes and can generate big and long lasting negative impacts on education of Hawai'i's people, as well as employment, if we do not pay attention.

The COVID-19 pandemic continues to affect us all in Hawai'i, especially in education. On March 18, the Hawai'i Department of Education (HIDOE) announced that all public schools would close and on the following day, an agreement with HSTA was announced to allow for a continuity of education through the pandemic, shifting from meeting in-person to distance learning. While some students and families were already equipped for this monumental shift to distance learning, others were not as fortunate. Prior to the COVID-19 pandemic reaching Hawai'i, nearly 1 in 5 Native Hawaiian households were without internet access. And while the new HIDOE distance learning survey shows that the majority of HIDOE students do have reliable internet access at home (76%), many more students still lack access to reliable internet access in their home (24%). Moving forward, the home may continue to serve as the classroom for students through this pandemic. All students deserve equitable *access* to education.

Founded in 1887, Kamehameha Schools is an educational organization striving to restore our people through education and advance a thriving Lāhui where all Native Hawaiians are successful, grounded in traditional values, and leading in the local and global communities. We believe that community success is individual success, Hawaiian culture-based education leads to academic success and local leadership drives global leadership.

‘A‘ohe hana nui ke alu ‘ia. No task is too large when we all work together! **Please advance this measure.**