



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

December 28, 2018

The Honorable Bill Johnson
U.S. House of Representatives
1710 Longworth House Office Building
Washington, D.C. 20515

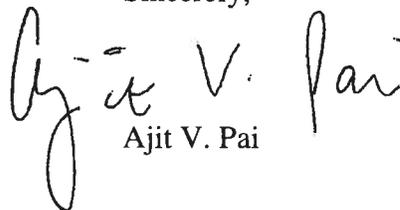
Dear Congressman Johnson:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is fluid and cursive, with the first name "Ajit" being the most prominent.

Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

December 28, 2018

The Honorable Brad Wenstrup
U.S. House of Representatives
2419 Rayburn House Office Building
Washington, D.C. 20515

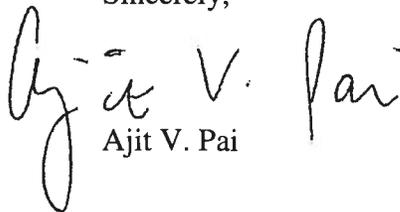
Dear Congressman Wenstrup:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is written in a cursive style with a large initial "A".
Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

December 28, 2018

The Honorable Michael R. Turner
U.S. House of Representatives
2368 Rayburn House Office Building
Washington, D.C. 20515

Dear Congressman Turner:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is fluid and cursive, with the first name "Ajit" being the most prominent.

Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

December 28, 2018

OFFICE OF
THE CHAIRMAN

The Honorable Steve Stivers
U.S. House of Representatives
1022 Longworth House Office Building
Washington, D.C. 20515

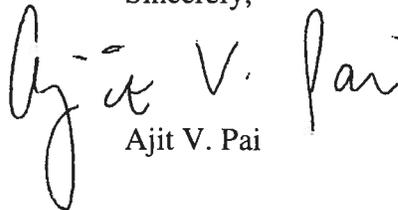
Dear Congressman Stivers:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is written in a cursive style with a large initial "A".
Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

December 28, 2018

The Honorable Bob Gibbs
U.S. House of Representatives
2446 Rayburn House Office Building
Washington, D.C. 20515

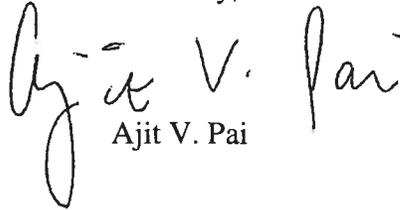
Dear Congressman Gibbs:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,


Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

December 28, 2018

The Honorable Jim Jordan
U.S. House of Representatives
2056 Rayburn House Office Building
Washington, D.C. 20515

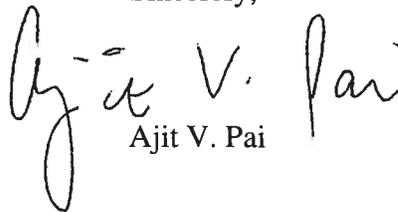
Dear Congressman Jordan:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is written in a cursive style with a large, stylized "A" and "P".
Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

December 28, 2018

OFFICE OF
THE CHAIRMAN

The Honorable David Joyce
U.S. House of Representatives
1124 Longworth House Office Building
Washington, D.C. 20515

Dear Congressman Joyce:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is written in a cursive style with a large initial "A".

Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

December 28, 2018

The Honorable Joyce Beatty
U.S. House of Representatives
133 Cannon House Office Building
Washington, D.C. 20515

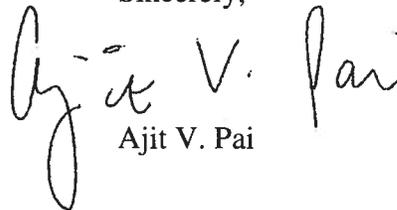
Dear Congressman Beatty:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is written in a cursive style with a large initial "A".
Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

December 28, 2018

The Honorable James B. Renacci
U.S. House of Representatives
328 Cannon House Office Building
Washington, D.C. 20515

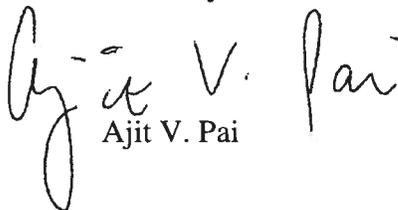
Dear Congressman Renacci:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is fluid and cursive, with the first name "Ajit" being the most prominent part.
Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

OFFICE OF
THE CHAIRMAN

December 28, 2018

The Honorable Steve Chabot
U.S. House of Representatives
2371 Rayburn House Office Building
Washington, D.C. 20515

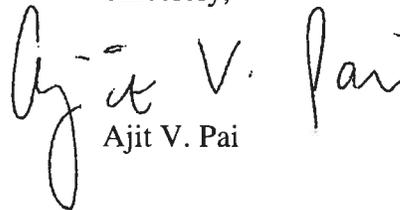
Dear Congressman Chabot:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is written in a cursive style with a large initial "A".
Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON

December 28, 2018

OFFICE OF
THE CHAIRMAN

The Honorable Warren Davidson
U.S. House of Representatives
1004 Longworth House Office Building
Washington, D.C. 20515

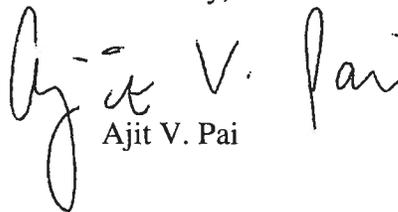
Dear Congressman Davidson:

Thank you for your letter regarding the importance of affordable and reliable broadband in communities with limited access. Having grown up in rural Kansas, I know what the digital divide is like. That's why closing that divide is my top priority—and one that the Commission is working on all fronts to support. And that's why this year we streamlined rules to deploy the next-generation of wireless connectivity, known as 5G, encouraged carriers to replace aging copper with super-fast fiber on an expedited basis, launched the first auction for millimeter-wave spectrum, increased federal support for our rural healthcare program and for small, rural carriers serving high-cost areas, and held our nation's first reverse auction for fixed broadband support. The results of these actions will be felt throughout America, and especially in rural America, where as you know the case to build out broadband is all the harder for any business to make.

I also agree with you that unlicensed spectrum in the TV white spaces—those channels on which no broadcaster is broadcasting—promises an opportunity for new wireless broadband deployments. That's why I have asked staff to continue working on the many details left unfinished by the prior Administration, including resolution of how to ensure database accuracy. This is no simple task—after all, TV white space devices must fully protect all incumbent services like broadcasting, private land-mobile radio, radio astronomy, and Wireless Medical Telemetry Service. But it is one the Commission's excellent staff is well-positioned to carry out.

Thank you for your interest in this matter. Please let me know if I may be of further assistance.

Sincerely,

A handwritten signature in black ink that reads "Ajit V. Pai". The signature is written in a cursive style with a large initial "A".
Ajit V. Pai