



CITY HALL  
300 S. ADAMS ST.  
TALLAHASSEE, FL  
32301-1731  
850/891-0010  
TDD: 800/955-8771

SCOTT MADDOX  
Mayor  
JOHN PAUL BAILEY  
Mayor Pro Tem

CHARLES E. BILLINGS  
Commissioner  
DEBBIE LIGHTSEY  
Commissioner  
STEVE MEISBURG  
Commissioner

ANITA R. FAVORS  
City Manager  
ROBERT B. INZER  
City Treasurer-Clerk

JAMES P. ENGLISH  
City Attorney  
SAM M. McCALL  
City Auditor

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APR 26 2001

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

April 11, 2001

The Honorable Michael K. Powell  
Chairman  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

RE: WT Docket No. 00-32

98-237

Dear Mr. Chairman,

I am writing you on behalf of the City of Tallahassee, Police and Fire Departments, to express our concern about the FCC's intension to auction 50 MHz of spectrum in the 4940-4990 MHz (4.9 GHz) band, rather than allocating this critically needed spectrum to public safety for new broadband public safety applications.

The City of Tallahassee Police Department currently has over 343 sworn officers. Our firefighters number in excess of 250. Together they serve and protect a population of more than 300,000 citizens. The City is divided into 3 police districts, 8 zones, 16 beats and 15 fire stations. All remote sites have been connected either by fiber or T1 lines and rely on current technology to carry out the public safety mission.

Back in 1996, the public safety community identified the need for 95 MHz of additional spectrum to meet our communications needs over the next ten years. Of this amount, the greatest need will be for advanced wideband and broadband technologies. To date, the FCC has allocated 24 MHz to public safety users in the new 746 MHz band. There are new emerging broadband technologies and applications appearing on the horizon that will require significantly wider bandwidths.

The City of Tallahassee is currently receiving bids for a new state of the art Computer Aided Dispatch Center. Solutions, such as personal and vehicular area networks, could be integrated into this project to provide a safer environment for our police officers. These include image and video cameras and viewers, mobile data terminals and all their peripheral devices, palmtops, and wireless long-range headsets, microphones, earpieces and voice recognition to allow complete hands free operation. Very large data and image files can be rapidly and wirelessly transferred within Wireless Local Area Networks (WLAN), enabling images/fingerprints of wanted or missing persons, video clips of robberies, maps and layouts to be downloaded into police vehicle mobile computers as they leave the precinct. This same technology will also allow wireless uploads of videos, images and reports from the police vehicle to the command center or precinct. WLAN technology will also enable command centers to employ full motion video for remote controlled robotics in terrorist and other highly dangerous operations, and monitoring of officers or suspects in officer assistance and high risk situations to allow on scene decision making and assistance based on video transmissions. This technology would allow real time transmission of video and imagery from surveillance helicopters to command centers.

Other solutions such as personal area networks (PAN) can wirelessly integrate a variety of lifesaving tools into the firefighter's suit and helmet. These include biometric and environmental sensors, 3D location, video and thermal imaging cameras, wireless microphones and earpieces, and voice recognition to allow complete hands-free and wire-free operation of all communications. High speed wireless data links transmit this vital information to fire ground command centers, allowing them to constantly monitor the

1-800-955-8771  
FCC

*An All America City*

location and vital signs of all firefighters and help them navigate through smoke-filled burning buildings. These technologies could provide a critical link for quickly locating disoriented or downed firefighters before fatal injuries are sustained. Very large data and image files can be rapidly and wirelessly transferred within Wireless Local Area Networks (WLAN), enabling graphics such as maps, images and building blueprints to be downloaded into fire vehicle mobile computers as they leave the firehouse. WLAN technology will also enable fire ground command centers to employ full motion video for remote controlled robotics in intense fires, hazardous material and bomb disposal, and dangerous search and rescue operations. This technology would allow real time transmission of video and imagery from aircraft to fire ground commanders.

Although unlicensed consumer oriented broadband technologies are on the horizon in the nearby 5 GHz band, public safety agencies cannot rely on unlicensed spectrum for our mission critical applications. We must have dedicated spectrum and systems that assure the safety of our personnel via immediate priority access, uninterrupted transmissions, and guaranteed coverage and reliability. The proximity of this unlicensed band to the proposed public safety 4.9 GHz allocation allows us to leverage such standards based broadband technologies and yet have the dedicated, reliable, secure and enhanced featured broadband solutions that we require for our mission critical applications.

The City of Tallahassee Police and Fire Departments urge you and the Commission to recognize our broadband spectrum needs and allocate this much-needed 4.9 GHz band to the public safety community. Obtaining this spectrum is a critical step for public safety agencies such as ours to access these new advanced broadband solutions for our mission critical applications.

Sincerely,



Leven Magruder  
800 Communications System Manager

Copy to:  
Office of the Secretary  
Ms. Magalie Roman Sallas  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

**Jeffrey P. Fegan**  
Chief Executive Officer

Dallas / Fort Worth International Airport

April 11, 2001

The Honorable Michael K. Powell  
Chairman  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

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APR 26 2001

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

RE: WT Docket No. 00-32

98-237

Dear Mr. Chairman,

I am writing you on behalf of the Dallas - Fort Worth Airport Department of Public Safety Police and Fire Department to express our concern about the FCC's intension to auction 50 MHz of spectrum in the 4940-4990 MHz (4.9 GHz) band, rather than allocating this critically needed spectrum to public safety for new broadband public safety applications.

The Dallas - Fort Worth Airport Department of Public Safety is responsible for protecting over twenty-six million passengers, visitors and employees each year. Our 300+ police officers and firefighters could not perform this service without reliable communications and the ability to take advantage of the latest technological solutions to improve our aging and overcrowded systems.

In 1996, the public safety community identified the need for 95 MHz of additional spectrum to meet our communications needs over the next ten years. Of this, the greatest need will be for advanced wideband and broadband technologies. To date, the FCC has allocated 24 MHz to public safety users in the new 746 MHz band. There are emerging broadband technologies and applications appearing on the horizon that will require significantly wider bandwidths.

\_\_\_\_\_  
of Airport rec'd  
CODE

Solutions such as personal area networks (PAN) can wirelessly integrate a variety of lifesaving tools into the firefighter's suit and helmet. These include biometric and environmental sensors, 3D location, video and thermal imaging cameras, wireless microphones and earpieces, and voice recognition to allow complete hands-free and wire-free operation of all communications. High speed wireless data links transmit this vital information to fire ground command centers, allowing them to constantly monitor the location and vital signs of all firefighters and help them navigate through smoke-filled burning buildings. These technologies could provide a critical link for quickly locating disoriented or downed firefighters before fatal injuries are sustained. Very large data and image files can be rapidly and wirelessly transferred within Wireless Local Area Networks (WLAN), enabling graphics such as maps, images and building blueprints to be downloaded into fire vehicle mobile computers as they leave the firehouse. WLAN technology will also enable fire ground command centers to employ full motion video for remote controlled robotics in intense fires, hazardous material and bomb disposal, and dangerous search and rescue operations. This technology would allow real time transmission of video and imagery from aircraft to fire ground commanders.

Although unlicensed consumer oriented broadband technologies are on the horizon in the nearby 5 GHz band, public safety agencies cannot rely on unlicensed spectrum for our mission critical applications. We must have dedicated spectrum and systems that assure the safety of our personnel via immediate priority access, uninterrupted transmissions, and guaranteed coverage and reliability. The proximity of this unlicensed band to the proposed public safety 4.9 GHz allocation allows us to leverage such standards based broadband technologies and yet have the dedicated, reliable, secure and enhanced featured broadband solutions that we require for our mission critical applications.

The Dallas Fort Worth Airport Department of Public Safety urges you and the Commission to recognize our broadband spectrum needs and allocate this much needed 4.9 GHz band to the public safety community. Obtaining this spectrum is a critical step for public safety agencies such as ours to access these new advanced broadband solutions for our mission critical applications.

Sincerely,



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Charles Cinquemani  
Captain

Copy to:  
Office of the Secretary  
Ms. Magalie Roman Sallas



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## City of Virginia Beach

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APR 26 2001

OFFICE OF THE CHIEF OF POLICE  
DEPARTMENT OF POLICE  
(757) 427-4141

MUNICIPAL CENTER  
BUILDING 11  
2509 PRINCESS ANNE ROAD  
VIRGINIA BEACH, VIRGINIA 23456-9064

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

April 11, 2001

The Honorable Michael K. Powell  
Chairman  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

Dear Mr. Chairman:

98-237

RE: WT Docket No. 00-32

I am writing you on behalf of the City of Virginia Beach, Virginia, Police Department to express our concern about the FCC's intention to auction 50 MHz of spectrum in the 4940-4990 MHz (4.9 GHz) band, rather than allocating this critically needed spectrum to public safety for new broadband public safety applications.

The Virginia Beach Police Department serves approximately 425,000 year-round residents and 2.5 million tourists annually. Virginia Beach is the 39<sup>th</sup> largest city in the nation.

Back in 1996, the public safety community identified the need for 97.5 MHz of additional spectrum to meet our communications needs over the next ten years. Of this amount, the greatest amount of spectrum will be for advanced wideband and broadband technologies. To date, the FCC has allocated only 24 MHz of narrow band spectrum to public safety users in the new 746 MHz band. There are new emerging broadband technologies, custom tailored for public safety, appearing on the horizon that will require significantly wider bandwidths.

Solutions such as personal and vehicular area networks can wirelessly integrate a variety of existing and future devices to provide a safer environment for our officers. These include image and video cameras and viewers, mobile data terminals and all their peripheral devices, palmtops, wireless long range headsets, microphones, earpieces

City of Virginia Beach  
MUNICIPAL CENTER  
BUILDING 11  
2509 PRINCESS ANNE ROAD  
VIRGINIA BEACH, VIRGINIA 23456-9064

The Honorable Michael K. Powell  
April 11, 2001  
Page Two

and voice recognition to allow complete hands free operation. Very large data and image files can be rapidly and wirelessly transferred within Wireless Local Area Networks (WLAN), enabling images/fingerprints of wanted or missing persons, video clips of robberies, maps and layouts to be downloaded into police vehicle mobile computers as they leave the precinct. This same technology will also allow wireless uploads of videos, images and reports from the police vehicle to the command center. WLAN technology will also enable command centers to employ full motion video for remote controlled robotics in terrorist and other highly dangerous operations, and monitoring of officers or suspects in officer assistance and high risk situations to allow on scene decision making and assistance based on video transmissions. This technology would allow real time transmission of video and imagery from surveillance helicopters to command centers.

We must have dedicated spectrum and systems that assure the safety of our personnel via immediate priority access, uninterrupted transmissions, security and guaranteed coverage and reliability. The proximity of the unlicensed 5 GHz spectrum to the proposed public safety 4.9 GHz allocation would allow us to leverage commercially developed broadband technologies and yet have the dedicated, reliable, secure and enhanced featured broadband solutions that we require.

The City of Virginia Beach Police Department urges you and the Commission to recognize our broadband spectrum needs and allocate this much needed 4.9 GHz band to the public safety community. Obtaining this spectrum is a critical step for public safety agencies such as ours to access these new advanced broadband solutions for our mission critical applications.

Sincerely,



A. M. Jacocks, Jr.  
Chief of Police

AMJjr/mjw

cc: Ms. Magalie Roman Sallas, Office of the Secretary  
Mr. Bruce Edward, City of Virginia Beach Department of Emergency Medical Services  
Chief Gregory Cade, Virginia Beach Department of Fire  
Mr. Bob Nibarger, Virginia Beach Emergency Communications



EX PARTE OR LATE FILED

## City of Virginia Beach

April 2, 2001

The Honorable Michael K. Powell  
Chairman  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

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APR 26 2001

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

RE: WT Docket No. 00-32

98-237

Dear Mr. Chairman,

I am writing you on behalf of the City of Virginia Beach Department of Communications and Information Technology to express our Concern about the FCC's intention to auction 50 MHz of spectrum in the 4940-4990 MHz (4.9 GHz) band, rather than allocating this critically needed spectrum to public safety for new broadband public safety applications.

The City of Virginia Beach Police Department currently has over 777 of sworn officers serving over 450,000 citizens.

Back in 1996, the public safety community identified the need of 95 MHz of additional spectrum to meet our communications needs over the next ten years. Of this amount, the greatest need will be for advanced wideband and broadband technologies. To date, the FCC has allocated 24 MHz to public safety users in the new 746 MHz band. There are new emerging broadband technologies and applications appearing on the horizon that will require significantly wider bandwidths than this allocation.

Several of our representative public safety organizations, including APCO, IACP, and Major Cities Chiefs, have recently urged the FCC to allocate 50 MHz at 4.9 GHz for broadband public safety applications.

We fully support the above public safety organizations and we also urge you and the Commission to recognize our board band spectrum needs and allocate this much needed 4.9 GHz band to the public safety community. Obtaining this spectrum is a critical step for the public safety agencies such as ours to access these new advanced broadband solutions for our mission critical applications.

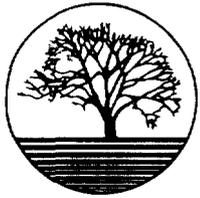
Sincerely,

Robert Nibarger  
Communications Manager

Copy to:  
Office of the Secretary  
Ms. Magalie Roman Sallas  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

CC: Chief Jacocks  
File

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

April 10, 2001

The Honorable Michael K. Powell  
Chairman  
Federal Communications Commission  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554

RE: WT Docket No. 00-32

ET 98-237

Dear Mr. Chairman,

I am writing you on behalf of the City of Mesquite Fire Department to express our concern about the FCC's intention to auction 50 MHz of spectrum in the 4940-4990 MHz (4.9 GHz) band, rather than allocating this critically needed spectrum to public safety for new broadband public safety applications.

The City of Mesquite currently has 172 certified firefighter and paramedics who serve and protect a population of 124,500 citizens. We are the sixteenth largest City in the State of Texas. Currently, we are in the process of evaluating options for a new mobile data computing and automatic vehicle locator system that will allow us to do not only messaging and field reporting of both fire and EMS incidents, but also searching applicable data bases, displaying tactical data and pre-incident structure plans, as well as displaying response maps and fire hydrant locations.

Back in 1996, the public safety community identified the need for 95 MHz of additional spectrum to meet our communications needs over the next ten years. Of this amount, the greatest need will be for advanced wideband and broadband technologies. To date, the FCC has allocated 24 MHz to public safety users in the new 746 MHz band. There are new emerging broadband technologies and applications appearing on the horizon that will require significantly wider bandwidths.

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List A B C D E

**Fire departments would list broadband applications such as the following:**

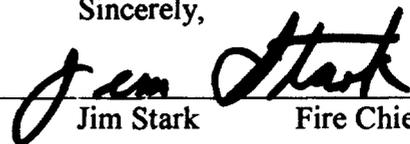
Solutions such as personal area networks (PAN) can wirelessly integrate a variety of lifesaving tools into the firefighter's suit and helmet. These include biometric and environmental sensors, 3D location, video and thermal imaging cameras, wireless microphones and earpieces, and voice recognition to allow complete hands-free and wire-

free operation of all communications. High speed wireless data links transmit this vital information to fire ground command centers, allowing them to constantly monitor the location and vital signs of all firefighters and help them navigate through smoke-filled burning buildings. These technologies could provide a critical link for quickly locating disoriented or downed firefighters before fatal injuries are sustained. Very large data and image files can be rapidly and wirelessly transferred within Wireless Local Area Networks (WLAN), enabling graphics such as maps, images and building blueprints to be downloaded into fire vehicle mobile computers as they leave the firehouse. WLAN technology will also enable fire ground command centers to employ full motion video for remote controlled robotics in intense fires, hazardous material and bomb disposal, and dangerous search and rescue operations. This technology would allow real time transmission of video and imagery from aircraft to fire ground commanders.

Although unlicensed consumer oriented broadband technologies are on the horizon in the nearby 5 GHz band, public safety agencies cannot rely on unlicensed spectrum for our mission critical applications. We must have dedicated spectrum and systems that assure the safety of our personnel via immediate priority access, uninterrupted transmissions, and guaranteed coverage and reliability. The proximity of this unlicensed band to the proposed public safety 4.9 GHz allocation allows us to leverage such standards based broadband technologies and yet have the dedicated, reliable, secure and enhanced featured broadband solutions that we require for our mission critical applications.

The City of Mesquite Fire Department urges you and the Commission to recognize our broadband spectrum needs and allocate this much needed 4.9 GHz band to the public safety community. Obtaining this spectrum is a critical step for public safety agencies such as ours to access these new advanced broadband solutions for our mission critical applications.

Sincerely,

  
\_\_\_\_\_  
Jim Stark                      Fire Chief

Copy to:  
Office of the Secretary  
Ms. Magalie Roman Sallas  
445 12<sup>th</sup> Street, SW  
Washington, DC 20554