

RECEIVED

FEB 4 1993

FCC - MAIL ROOM

FCC
1919 M St, NW
Washington, DC 20554

Gentlemen:

Regarding the recent proposal to use 72 MHz and 75MHz frequencies on mobile cellular units.

Please be aware I am one of many people using these frequencies for my radio control equipment.

A great amount of expense, thought, and time has gone into our equipment.

It would be a terrible loss if I and my radio control friends were not able to operate our equipment without fear of disaster. Signal interference could cause serious injury to individuals by an out-of-control radio operated airplane, boat or car.

Before this issue is closed, please consider our position carefully.

Sincerely,

x *Douglas Walker*
306 S. Union St.

Grass Lake, MI

49240

RECEIVED

92-235

Dan air FCC

FEB 4 ~~1993~~ 1, 1993

How is your a radio? FCC - MAIL ROOM
I found something frequency from reports
in mix up.
Dont bye that from Japan is wrong
of frequency this radio control no good.

You find a search from frequency where
came from to kind of Space Shuttle how
up by telephone frequency by the computer
anywhere. What you think?

I sorry too far from the sea on my
flight.

I miss of a John F Kennedy in my
friend a speech to me in the sky
of NAVY flying.

You can search of Japan!

I in pilot
John W. Norman

Where is of 319th
You never know!



A keep help the
people. This of AMA

Thank you!

FCC
1919 M St., NW
Washington, D.C. 20554

1330 Maple Dr.
Lorain, Oh. 44052
02/01/93
RECEIVED
FEB 4 1993
FCC - MAIL ROOM

Dear Sirs:

I am an engineering technical specialist with AlliedSignal Automotive. I enjoy as a hobby and sport the building and flying of model aircraft, especially those which are controlled by radio. I am also the treasurer of a radio controlled model aircraft club with over 100 members in the state of Ohio.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission. The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the useability of radio frequencies assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes, boats, and cars.

Our radio control frequencies are in the 72 - 76 MHZ band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC plans to create more mobile land frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. It is possible this plan will leave as few as 19 frequencies useable. It is possible this plan could create similar problems to industrial users of radio control equipment within this band. These users have expensive heavy equipment such as overhead cranes, equipment handlers, and even small locomotives operated by radio in hazardous areas.

When we fly our model aircraft under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of useable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the margin of safety will be greatly decreased.

Many model aircraft have wingspans as much as 10 feet and weigh as much as 40 pounds. These models can be expensive and time consuming to build. They have a potential to cause serious injury or property damage if radio interference causes the operator to lose control of the craft. These aircraft are often flown at local, regional, national or even international events where hundreds of operators participate and many more spectators observe. We need the full compliment of radio frequencies in order to assure a safe flying environment.

Model aviation is not a bunch of overage children playing with expensive toys. It is a highly organized activity that enjoys recognition internationally as a valid sport and as a valuable means of influencing young people to get involved in the sciences. It is a valuable learning tool. Many of the astronauts and many of our current aeronautical engineers have a background in model aviation. It would be a national tragedy if such a large sporting/educational activity were to be so crippled.

I do not think it wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we also have a considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to hundreds of thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out this proposal for the 72 - 76 MHZ band.

Sincerely,

**Anthony Oravec Jr.
AMA 84638**

Feb 1, 1993

FCC
1919 M Street NW
Washington, D.C. 20554

RECEIVED

FEB 4 1993

Re: Federal Communications Commission
Proposed rule change NPRM PR Docket 92-235

FCC - MAIL ROOM

Dear Sir:

I am retired and fly model airplanes. I have one radio on Model channel 12 (72.030 MHz) and this rule change will cause interference on this channel. The result would be loss of my airplane (value approx 600^{to}) plus possible injury or property damage as I would have no warning of this interference. Mine is one voice speaking against NPRM PR Docket 92-235.

Yours Truly

Randolph Smith

RANDOLPH SMITH

1124 - Stroup Rd

Roswell GA 30075

RECEIVED

FEB 4 1993

FCC - MAIL ROOM

From: Ronald J. D'Andrea
6539 Lewis Street
Arvada, Colorado 80004

To: FCC
1919 M ST., NW
Washington, DC 20510

Subject: NPRM - PR Docket 92-235

Date: January 28, 1993

Sirs:

As a concerned citizen and a modeler, I am concerned about the current proposed rules that are under consideration by the Federal Communications Commission (FCC). If the proposed NPRM-PR Docket 92-235 is adopted, these new rules will greatly impact my ability, as well as many thousands of radio controlled modelers, to enjoy this great hobby. This proposal will render 60% of our frequencies in the 72 MHZ band unusable and greatly increase the risk of accidents and attendant liability for controlling model airplanes.

Your proposal to separate the frequencies by addition of new bands at 2.5 KHZ separation with the tolerance that will allow these new users to overlay our current frequencies (based on your technical specifications) will render most of our frequencies unusable.

Modelers, in general, have invested a great amount of money and time in our radio equipment and our models. The average cost of a flying model with attendant equipment is over \$500.00. Mulyipty this by the number of modelers in the U.S. and each modeler having an average of 3 systems you can see we have invested a very large sum.

Please do not seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. Our hobby and the use of these frequencies is as important to the overall quality of life in the United States as the commercial use of radios. I believe the FCC can look at other options to meet the needs of the land mobile service and not impact the current users of the 72-76 MHZ band.

Sincerely,



RE: PR DOCKET 92-235

FCC

1919 M. ST. NW

WASHINGTON, DC 20554

RECEIVED

FEB 4 1993

FCC - MAIL ROOM

Gentlemen:

I am retired and derive many hours of pleasure from building and operating radio controlled models with my local Club members of Niagara County, N.Y.S.

My concern about the proposed rules that are under consideration by the FCC namely PR Docket 92-235 affects the usability of frequencies currently assigned for model use and will increase the risk of accidents and attendant liability for their control. Our radio frequencies are in the 72-76 MHz band.

We fly our model airplanes under radio control and go to great lengths to assure the safety of the operators and bystanders and the protection of properties in the vicinity of our field. Diminishing the number of frequencies used will only create congestion and reduce the existing margin of safety.

I own 2 pieces of radio equipment presently and contemplate a third unit which involves a sizeable monetary investment in the models I build and fly at our local club field. If this frequency assignment is adopted I fear for the consequences of such closeness in the new setup.

Please reconsider and do not allow PR Docket 92-235 to be enacted.

Sincerely,

Chester W. Sado

SAFETY OFFICER OF N.C.R.C.M.F.C. INC.

January 28, 1993

Federal Communications Commission
1919 M Street, Northwest
Washington, D.C. 20510

RECEIVED

FEB 4 1993

Dear Sirs,

FCC - MAIL ROOM

Me and my children are experiencing the enjoyment and family involvement of radio controlled model airplanes. It has provided many hours of enjoyment for my whole family, and has provided a learning platform for my children in group and family activities, as well as involving them in the principles of aviation.

As a concerned citizen and a modeler, I am concerned about the current proposed rules that are under consideration by the Federal Communications Commission (FCC). If the proposed NPRM-PR Docket 92-235 is adopted, these new rules will greatly impact my ability, as well as the hundreds of thousands of other radio controlled enthusiasts, to enjoy our great hobby. This proposal will render 60% of our frequencies in the 72 MHz band unusable and will greatly increase the risk of accidents and attendant liability for controlling model airplanes.

Your proposal to separate the frequencies by the addition of new bands at 2.5 KHz separation with the tolerance that will allow these new users to overlay our current frequencies (based on your technical specifications) will render most of our frequencies unusable.

Modelers in general have invested a great amount of money and time in our radio equipment and our models (the average cost of a flying model with attendant equipment is over \$500+). Multiply this by the number of models in the U.S. and by the average number of models (3 models per flyer-estimated) and you can see that we have invested a large sum. In addition, we work together to improve our community by club work and shows to inform and assist in any way that we can.

I do not think it is wise for the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio controlled modelers. Our hobby and use of these frequencies is as important to the overall quality of life in the United States as the business users of radios. I believe that the FCC has the responsibility to look at other options to meet the needs of the Land Mobile Service and not impact the current users of the 72-76 MHz band.

Sincerely,



Brian A. Allen

92-235

January 27, 1993

RECEIVED

Federal Communications Commission
1919 M Street
Washington, D. C. 20510

FEB 4 1993

FCC - MAIL ROOM

Dear FCC,

I am writing you to request your help in a matter that would affect not only myself but thousands of others. I build and fly radio controlled models, and belong to a local radio control club that has nearly 100 members, flying all sorts of aircraft. Ours is only one of many clubs this size or larger in New Hampshire. Some look at the building and flying of radio controlled models as merely playing with toys, but in reality it so much more.

Radio controlled airplanes are a teaching tool that helps those involved understand material selection, structure, pride and accomplishment through sport flying or competition. Once our airships are complete we experience the laws of aerodynamics, sometimes with astounding results, and other times with disappointment, but we all adhere to strict safety guidelines. Each model, and flight teaches us something.

Many of the materials used on full sized aircraft, first were used in models to determine feasibility, and practicality. I know each time I board a private or commercial plane it had its roots somewhere in a model.

Many of the famous Radio Controlled models may be seen at the Smithsonian Institution.

Recently I was informed of a proposed change of rules currently under consideration by the Federal Communication Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will have a profound negative effect on the frequencies currently assigned for modeling use by reducing the currently usable frequencies, and increasing the risk of accidents and attendant liability for controlling model aircraft. I understand that the legislation will reduce the currently usable 50 frequencies to a mere 19 for model aircraft use if adopted.

I don't think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have made a considerable investment in our models and our radio equipment. The hobby provides tens of thousands of modelers and myself many hours of enjoyment and contributes to the advancement of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72-76 Mhz band.

Sincerely,
Alan J. Zeller

37 Winthrop Road
Edison, NJ 08817-4018
January 27, 1993

RECEIVED

FEB 4 1993

FCC - MAIL ROOM

FCC
1919 M St., NW
Washington, DC 20554

Dear Sir or Madam,

I am an officer in the Edison Radio Modelers Association Club (ERMAC) and am extremely active in the sport of radio controlled model airplanes, both in the building of them and the flying of them. I own five radios of various ages, and about eight receivers, all less than a year old. I am extremely safety conscious, and maintain all my radio equipment in top condition. To that end I send each radio back to the manufacturer once every two years for a checkup, and have them checked locally every six months or so.

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72-76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted.

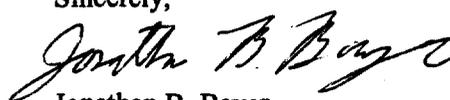
When we fly our model airplanes under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the margin of safety will be greatly decreased.

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have a considerable investment in our models and in our radio equipment. The sport provides many hours of enjoyment to hundreds of thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my sport by not allowing the FCC to carry out its proposals for the 72-76 MHz band.

Sincerely,


Jonathan B. Bayer

2110 Hickory CREST DR
MEMPHIS TN 38119
Jan 28 1993

FCC
1919 M. ST. NW
WASHINGTON DC

RECEIVED

FEB 4 1993

FCC - MAIL ROOM

Dear Sirs,

I am writing to oppose FCC
Action - NPRM PR Docket 92-235.

I am a user of model aircraft
radio frequencies and I fear
interference from poorly modulated
mobile ground units.

I am a club member that
has thousands of dollars invested
in aircraft and radio equipment.

We are always concerned regarding
control of these aircraft. Interference
will not only endanger property but
bystanders as well.

Thank you for your
consideration,

John WARE MD

Federal Communications Commission
1919 M Street, NW
Washington, DC 20554

RECEIVED
FEB 4 1993
FCC - MAIL ROOM

Dear Sirs:

It has recently come to my attention that the Federal Communications Commission (FCC) is considering an action that will severely limit and potentially eliminate a very important hobby of mine, radio controlled (R/C) model airplanes, helicopters, cars and boats.

Your Notice of Proposed Rule Making (NPRM) in PR Docket 92-235 replaces Part 90 of your rules with a new Part 88. Part 90 allows for safe use of R/C aircraft and surface models by keeping 10 Khz spacing between fixed commercial users and frequencies used by R/C enthusiasts. The new Part 88 will allow mobile users on frequencies within 2.5 Khz of frequencies available to us, eliminating safe use of at least 31 of the 50 channels on the 72 MHz band and 10 of the 30 frequencies on the 75 MHz band now used by hobbyists. In fact, more channels will likely be affected.

This action will have a severe, detrimental impact upon me and the entire R/C hobby industry. If put into effect, my airplane or helicopter could easily be shot out of the sky by a mobile user I'd have no way of knowing about. This creates a severe health hazard.

I have been involved in this hobby for 8 years. I own 4 radios and 4 model airplanes, helicopters, cars and boats. In addition, I have numerous engines, motors, chargers, field accessories and other products necessary to support my hobby. When you consider there are hundreds of thousands of other R/C hobbyists in the U.S. just like me, these proposed rule changes will affect a lot of people economically and in terms of enjoyment.

I urge you to reconsider this. Keep 10 Khz spacing between all frequencies on 75 MHz and 72 MHz bands available for safe use by R/C enthusiasts. Please don't eliminate this hobby that has grown tremendously over the past 30 years and has so much investment of money and enjoyment of people nationwide.

Thank you for your consideration.

Sincerely,

Kenneth Derrer
Box 71
Kasota, Mn. 56050

Sample Letter to FCC (from consumer)
Regarding FCC Rule Making

[Date] Jan. 24, 1993

Federal Communications Commission
1919 M Street, NW
Washington, DC 20554

RECEIVED

FEB 4 1993

Dear Sirs:

FCC - MAIL ROOM

It has recently come to my attention that the Federal Communications Commission (FCC) is considering an action that will severely limit and potentially eliminate a very important hobby of mine, radio controlled (R/C) model airplanes, helicopters, cars and boats.

Your Notice of Proposed Rule Making (NPRM) in PR Docket 92-235 replaces Part 90 of your rules with a new Part 88. Part 90 allows for safe use of R/C aircraft and surface models by keeping 10 Khz spacing between fixed commercial users and frequencies used by R/C enthusiasts. The new Part 88 will allow mobile users on frequencies within 2.5 Khz of frequencies available to us, eliminating safe use of at least 31 of the 50 channels on the 72 MHz band and 10 of the 30 frequencies on the 75 MHz band now used by hobbyists. In fact, more channels will likely be affected.

This action will have a severe, detrimental impact upon me and the entire R/C hobby industry. If put into effect, my airplane or helicopter could easily be shot out of the sky by a mobile user I'd have no way of knowing about. This creates a severe health hazard.

I have been involved in this hobby for 7 years. I own 3 radios and 6 model airplanes, helicopters, cars and boats. In addition, I have numerous engines, motors, chargers, field accessories and other products necessary to support my hobby. When you consider there are hundreds of thousands of other R/C hobbyists in the U.S. just like me, these proposed rule changes will affect a lot of people economically and in terms of enjoyment.

I urge you to reconsider this. Keep 10 Khz spacing between all frequencies on 75 MHz and 72 MHz bands available for safe use by R/C enthusiasts. Please don't eliminate this hobby that has grown tremendously over the past 30 years and has so much investment of money and enjoyment of people nationwide.

Thank you for your consideration.

Sincerely,

Phil Gordon
6456 Barnes Rd.
Millington, Md
48746

Robert A. Camarata
2537 Saratoga Drive
Waterloo, Iowa 50702-5142
January 27, 1993

Federal Communications Commission
1919 M Street NW
Washington, D.C.

RECEIVED

FEB 4 1993

Attention Commissioners:

FCC - MAIL ROOM

I am writing in opposition to the *Notice of Proposed Rule Making* (PR Docket 92-235).

Flying radio controlled, (R/C), model aircraft has been my hobby since 1971, and if this proposed rule making takes place, this marvelous activity will effectively come to an end. I have been an active competitor for most of the last 22 years, in state, as well as midwestern competitions. In recent years I flew in two Academy of Model Aeronautics National Championships, and four Pylon Racing Nationals. My son and daughter have become modelers as well. My son began competing in R/C model contests himself a few years ago. R/C model flying is a great family activity! There are also 42 members in our local R/C club.

If this proposed rule change takes effect, mobile transmitters with 2.5 KHz separation from our frequencies, and nearly four times the power will easily shoot down models flying from 5-15 (or more) miles away. It means an end to our sport! It will have to end for safety sake. Most of my models travel over 100 mph in level flight, and weigh from 6-10 lbs. or more. At those speeds they produce more energy than a 30-06 Cal. rifle bullet, (about 40% more). Out of control, in a dive, they could cause a catastrophic crash. I'm employed as an electronics technician at the John Deere Product Engineering Center in Cedar Falls, Iowa, and I can assure you this rule is totally incompatible with the flying of R/C model aircraft.

How this could even be considered is beyond me, in view of what the FCC mandated in 1991 with regard to R/C models. All members of our hobby were required to discard perfectly usable radio equipment and purchase all new systems. In my own case this required me to discard eight Kraft receivers (Rx), at \$90.00 each, and three Kraft transmitters (Tx), at about \$220.00 each. That's \$1,380.00 of Radio Control (R/C) equipment that had been functioning flawlessly. They just were not to the 1991 FCC spec's! I then had to purchase new equipment, three new Rx's at \$100.00 each, and one Rx for

\$110.00 plus. Then I had to pay \$60.00 each to have three Tx's updated to the new 1991 frequencies. That's another \$590.00, and I can now fly only half the number of model aircraft as I could before, with nearly \$2000.00 down the tubes to boot! That doesn't count updating frequency modules for the Tx's, and miscellaneous expenses. After all this, how could this new proposal have been considered seriously?

Please, do not consider formalizing this new proposal in any form or fashion. It would be patently unfair to many thousands of modelers, not to mention a safety hazard of unimaginable proportions.

Sincerely,

Robert A. Comarata

360 VICTORY Hwy
Printed Postage
14870

RECEIVED

FEB 4 1993

1/29/93

FCC.

1919 M. ST. N.W.
Washington D.C.
20554

FCC MAIL ROOM

REF: PR Docket 92-235

Sirs,

We Radio Controlled Model Aircraft Hobbies urge you to consider other options. You have given us 50 channels - we have all purchased completely new systems to comply with the 1991 Ruling. Don't take away all but 19. If you do you are causing many of us additional retrofitting of our equipment. And you are putting land based mobiles in a position to shoot down my 15" to 40" planes.

I hope one doesn't hit your car or your home or your kids when it is "shot down" due to a yes decision.

Please consider other options to preserve this hobby for the youth of this country so their hobby can give them as much enjoyment and satisfaction as it has given this 55 yr old RC'er.

Sincerely, Edward Osburn Jr.

Federal Communications Commission
1919 M Street NW
Washington, DC 20554

RECEIVED

Urgent: Serious problem with PR Docket 92-235.

FEB 4 1993

FCC MAIL ROOM

Dear Sirs:

Please help me! My hobby is the construction and operation of radio controlled model airplanes. I have been in this hobby for many years and have a considerable investment in it. It is a wonderful hobby for young and old. Also, I have many friends in this hobby.

I am very concerned about the proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is **PR Docket 92-235**. If adopted, the new rules will absolutely cause radio interference on the majority of frequencies currently assigned for RC model aircraft use. Safety is very important in this hobby.

Our RC frequencies are in the 72 - 76 MHz band. We share this band with the private land mobile dispatch operations. However, now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging this band. The mobile frequencies will be separated by 5 KHz but they will bracket the RC frequencies by only 2.5 KHz. This will cause interference on the RC channels. In addition **the technical specifications for the new mobile equipment allows a frequency tolerance which could place their signal directly on an RC channel.**

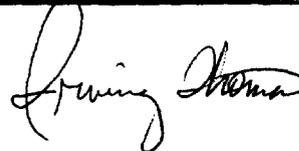
Can you imagine all the RC airplanes, each costing several hundred dollars or more, that will be crashing to the ground because someone uses a "mobile" telephone in the vicinity. We modelers have controls and rules in place to assure the safety of the operators and bystanders and also the protection of surrounding property. But there will be no protection against these new frequencies because they are "mobile" and we would never know where they are.

The frequency changes are proposed by the FCC Land Mobile Service. The FCC has issued a Notice of Proposed Rule Making (**NPRM - PR Docket 92-235**)

All over the country there are organized events and contests where hundreds of operators participate. Spectators often number in the thousands at these events. This hobby provides many hours of enjoyment to hundreds of thousands of people like myself and my family. *Please help keep model aviation safe.*

The FCC must not be allowed to carry out its proposals for the 72 - 76 MHz band.

Sincerely



Federal Communications Commission
1919 M Street NW
Washington, DC 20554

Urgent: Serious problem with PR Docket 92-235.

Dear Sirs:

Please help me! My hobby is the construction and operation of radio controlled model airplanes. I have been in this hobby for many years and have a considerable investment in it. It is a wonderful hobby for young and old. Also, I have many friends in this hobby.

I am very concerned about the proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is **PR Docket 92-235**. If adopted, the new rules will absolutely cause radio interference on the majority of frequencies currently assigned for RC model aircraft use. Safety is very important in this hobby.

Our RC frequencies are in the 72 - 76 MHz band. We share this band with the private land mobile dispatch operations. However, now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging this band. The mobile frequencies will be separated by 5 KHz but they will bracket the RC frequencies by only 2.5 KHz. This will cause interference on the RC channels. In addition **the technical specifications for the new mobile equipment allows a frequency tolerance which could place their signal directly on an RC channel.**

Can you imagine all the RC airplanes, each costing several hundred dollars or more, that will be crashing to the ground because someone uses a "mobile" telephone in the vicinity. We modelers have controls and rules in place to assure the safety of the operators and bystanders and also the protection of surrounding property. But there will be no protection against these new frequencies because they are "mobile" and we would never know where they are.

The frequency changes are proposed by the FCC Land Mobile Service. The FCC has issued a Notice of Proposed Rule Making (**NPRM - PR Docket 92-235**)

All over the country there are organized events and contests where hundreds of operators participate. Spectators often number in the thousands at these events. This hobby provides many hours of enjoyment to hundreds of thousands of people like myself and my family. *Please help keep model aviation safe.*

The FCC must not be allowed to carry out its proposals for the 72 - 76 MHz band.

Sincerely

Robert F. Hartwig
RECEIVED

FEB 4 1993

FCC MAIL ROOM

January 25, 1993

Federal Communications Commission
1919 M Street, NW
Washington, DC 20554

RECEIVED

FEB 4 1993

FCC MAIL ROOM

Dear Sirs:

It has recently come to my attention that the Federal Communications Commission (FCC) is considering an action that will severely limit and potentially eliminate a very important hobby of mine, radio controlled (R/C) model airplanes, helicopters, cars and boats.

Your Notice of Proposed Rule Making (NPRM) in PR Docket 92-235 replaces Part 90 of your rules with a new Part 88. Part 90 allows for safe use of R/C aircraft and surface models by keeping 10 Khz spacing between fixed commercial users and frequencies used by R/C enthusiasts. The new Part 88 will allow mobile users on frequencies within 2.5 Khz of frequencies available to us, eliminating safe use of at least 31 of the 50 channels on the 72 MHz band and 10 of the 30 frequencies on the 75 MHz band now used by hobbyists. In fact, more channels will likely be affected.

This action will have a severe, detrimental impact upon me and the entire R/C hobby industry. If put into effect, my airplane or helicopter could easily be shot out of the sky by a mobile user I'd have no way of knowing about. This creates a severe safety hazard.

I have been involved in this hobby for 10 years. I own 3 radios and 4 model airplanes, helicopter, cars and boats. In addition, I have numerous engines, motors, chargers, field accessories and other products necessary to support my hobby. When you consider there are hundreds of thousands of other R/C hobbyists in the U.S. just like me, these proposed rule changes will affect a lot of people economically and in terms of enjoyment.

I urge you to reconsider this. Please keep 10 Khz spacing between all frequencies on 75 MHz and 72 MHz bands available for safe use by R/C enthusiasts. Please do not eliminate this hobby that has grown tremendously over the past 30 years and has so much investment of money and enjoyment of people nationwide.

Thank you for your consideration.

Sincerely,


1993 Member

Prop Nuts Radio Control Flying Club
AMA Chapter # 1770
113 Lafayette Drive
Baytown, TX 77520

Urgent Frequency Alert!

(Responses needed before February 26, 1993)

To all users of model frequencies in both the 72 and 75 MHz bands.

The Federal Communications Commission (FCC) has issued a Notice of Proposed Rule Making (NPRM-PR Docket 92-235) which, if implemented, will have a profound effect on model frequency use. Developed by the FCC Land Mobile Service, it creates a massive frequency restructuring—the first of its type in 60 years.

The 419 page document addresses frequency use in another service (Part 88) but will also affect Part 95 where our RC frequency use lives. Without becoming too technical, the restructuring inserts two new frequencies between those presently assigned for modeling use and commercial users. That means we could have a transmitter almost four times the power output of ours, only 2.5 kHz away from a large number of our 72 and 75 MHz frequencies.

In the 72 MHz band, thirty-one of our frequencies would be bracketed, principally in the lower end of the band (below channel 42). A similar condition would exist in the 75 MHz band. Two examples of the frequency placing would look like the following:

Model Channel 14	72.070 MHz
New insert	72.0725 MHz
New insert	72.0775 MHz
Present Commercial	72.080 MHz
New insert	72.0825 MHz
New insert	72.0875 MHz
Model Channel 15	72.090 MHz
OR	
Model Channel 62	75.430 MHz
New insert	75.4325 MHz
New insert	75.4375 MHz
Present Commercial	75.440 MHz
New insert	75.4425 MHz
New insert	75.4475 MHz
Model Channel 63	75.450 MHz

Not only are these new frequencies very close to ours, they are also designated as "mobile", therefore we would never know where they are operating, including right in the pit area at your field or on the street and highway nearby. In addition, the technical specifications for the new equipment allows a legal frequency tolerance which could place their signal directly on ours!

What can be done to address this situation?

The Academy, with full industry support, will pursue all avenues available through the legal counsel they retain to represent modelers before the FCC. The first step in that process is the filing of formal comments prior to February 26, 1993. Other steps will follow.

We have been strongly urged to use "every arrow in our quiver" to address this proposal. You and your club members are very important arrows that can help us make our point!

You are being asked to write *NOW* to those persons and agencies in the federal government that *represent you!*

To a Senator:

The Honorable (name)
United States Senate
Washington, D.C. 20510

To the FCC:

FCC
1919 M St, NW
Washington, DC 20554

To a Representative:

The Honorable (name)
U. S. House of Reps.
Washington, D.C. 20515

(For the name of your Senator or Representative, contact the Capitol Switchboard at (202) 224-3121.)

In writing your letters it is important to do the following:

- 1. Include the identification of the proposed rule making:** PR Docket 92-235
- 2. Personalize your concerns:**
"I am retired and derive many hours of pleasure from building and operating radio controlled models."
"I am an active competitor in local, national, and international events."
"As a student, I learn valuable lessons from building and operating models."
"I am active in our local club."
- 3. Indicate your financial involvement:**
"I own _____ pieces of radio equipment that would be unusable if this frequency assignment is adopted."
"My hobby shop business involves _____% radio control sales."
- 4. Strongly stress the safety and liability aspect created by the proposal!**
"The models I build weigh as much as _____pounds and operate at _____m.p.h."
"Our club operates at a public park."
"Since the proposed new frequencies are so close, interference will occur and render most model frequencies unusable."

Some other points to consider.

- 1. The best approach** is a personal letter, written by you, to the government official(s) involved.
- 2. The second level** of effectiveness is a signed form letter.
- 3. The least effective** communication is a petition simply signed by individuals. (This approach is not recommended)
- 4. Many persons derive enjoyment** from our hobby/sport, not only those who actually build and operate models. Ask them to write as well, to indicate their concern!
- 5. The most important fact** to remember is to act now! The February 26th date is soon upon us! Write NOW!
- 6. Contact the Technical Department** at AMA Headquarters for additional information - (703) 435-0750, ext. 264.

Federal Communications Commission
1919 M Street NW
Washington, DC 20554

Jan 30, 1993
RECEIVED

Urgent: Serious problem with PR Docket 92-235.

FEB 4 1993

Dear Sirs:

FCC MAIL ROOM

Please help me! My hobby is the construction and operation of radio controlled model airplanes. I have been in this hobby for many years and have a considerable investment in it. It is a wonderful hobby for young and old. Also, I have many friends in this hobby.

I am very concerned about the proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is **PR Docket 92-235**. If adopted, the new rules will absolutely cause radio interference on the majority of frequencies currently assigned for RC model aircraft use. Safety is very important in this hobby.

Our RC frequencies are in the 72 - 76 MHz band. We share this band with the private land mobile dispatch operations. However, now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging this band. The mobile frequencies will be separated by 5 KHz but they will bracket the RC frequencies by only 2.5 KHz. This will cause interference on the RC channels. In addition **the technical specifications for the new mobile equipment allows a frequency tolerance which could place their signal directly on an RC channel.**

Can you imagine all the RC airplanes, each costing several hundred dollars or more, that will be crashing to the ground because someone uses a "mobile" telephone in the vicinity. We modelers have controls and rules in place to assure the safety of the operators and bystanders and also the protection of surrounding property. But there will be no protection against these new frequencies because they are "mobile" and we would never know where they are.

The frequency changes are proposed by the FCC Land Mobile Service. The FCC has issued a Notice of Proposed Rule Making (**NPRM - PR Docket 92-235**)

All over the country there are organized events and contests where hundreds of operators participate. Spectators often number in the thousands at these events. This hobby provides many hours of enjoyment to hundreds of thousands of people like myself and my family. *Please help keep model aviation safe.*

The FCC must not be allowed to carry out its proposals for the 72 - 76 MHz band.

Sincerely

Charlie Husted

3424 Timber Hill Dr

Rt Wayne, Ind

46815

RECEIVED

FEB 4 1993

FCC MAIL ROOM

Dear Sam,

Charles C. Singleton
2140 Graystone Dr.
Catawba, S.C.
29704

This letter is an
response to a letter that I
received from Academy of Model Aeronautics
(AMA), The problem in PR Docket 92-235.
This is going to interfere with model
operations drastically.

I own 6 R/C units, I
just had to buy 2 new ones
because of the narrow band law already
in progress with AMA. We as
model builders + pilots need the
reliability of R/C equipment. Some of
my planes weigh in over 20 lbs.,
traveling at over 50 m.p.h., I
don't need any glitcher out of a
radio. I am a R/C club member
and we have 30 to 40 spectators
at field. I just don't want any
accidents because of radio failure.

Thank You,
Charles C. Singleton



ACADEMY OF MODEL AERONAUTICS

1810 Samuel Morse Drive Reston, Virginia 22090 (703) 435-0750 FAX 703-435-0798

Important Information From Your Academy of Model Aeronautics

Dear Fellow AMA Member:

The enclosed letter will explain a recent proposed action from the FCC. The Academy has begun to coordinate efforts by all segments of the hobby and the association industry to defeat this proposal.

It is vitally important that each of us also makes an individual effort in this matter. The most important thing that can be done is that you write to the FCC *before February 26* with your comments. Secondly, please write to your Senators and Congressmen in order that we may "hit all bases" in this proposal which would have profound effects on modeling.

I cannot use strong enough words to encourage your help in this matter. Your help is essential to our efforts and together we can be successful. For your convenience, a sample letter format is provided on the back side.



Vince Mankowski
Executive Director

Draft Letter to Senator or Representative Regarding FCC Rule Making

[--Date--]

The Honorable [--Name--]
[--Address--]
[--Address--]

Dear Mr./Mrs. [--Name--] (if to Representative):

Dear Senator [--Name--] (if to Senator):

[Begin with a description of the writer's interest. E.g., "I am retired and derive many hours of enjoyment from constructing and operating radio controlled model airplanes." Or, "I have been interested in aviation for as long as I can remember. I am very active in a local club whose members enjoy constructing and operating radio controlled model airplanes."]

I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission (FCC). The proceeding is PR Docket 92-235. If adopted, the new rules will greatly reduce the usability of frequencies currently assigned for model use and increase the risk of accidents and attendant liability for controlling model airplanes.

Our radio control frequencies are in the 72 - 76 MHz band. This band is primarily used for private land mobile dispatch operations. However, our radio control frequencies in this band are far enough apart from the land mobile frequencies that we have been able to share the band without either use interfering with the other.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths and rearranging the band plan. As a result, many land mobile frequencies will move closer to the radio control frequencies and cause interference to radio control operations. I am told that of the 50 frequencies that are presently available for radio control of model airplanes, only 19 frequencies will be left if these new rules are adopted.

When we fly our model airplanes under radio control, we go to great lengths to assure the safety of the operators and bystanders and the protection of property. Many of our safety precautions involve the careful coordination and use of the radio control frequencies. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the margin of safety will be greatly decreased.

Please understand that many model airplanes have wing spans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose control of the craft. We often fly our models at organized events and contests where hundreds of operators participate. We need the use of our full complement of radio frequencies in order to assure a safe flying environment.

I do not think it is wise of the FCC to seek to improve the operating conditions of land mobile radio users at the expense of radio control modelers. The FCC may not think we are as important as business users of radios, but we have a considerable investment in our models and in our radio equipment. The hobby provides many hours of enjoyment to thousands of people like myself and contributes to the advancement and development of the commercial aviation industry.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to carry out its proposals for the 72-76 MHz band.

Sincerely,

28
January 24, 1993

RECEIVED

FEB 4 1993

Federal Communications Commission
1919 M Street, NW
Washington, D.C. 20554

FCC - MAIL ROOM

Sirs:

My attention has been drawn to your Notice of Proposed Rule Making PR Docket 92-235. This Docket would severely limit and possibly eliminate a very important hobby of mine, that of flying radio controlled model aircraft.

The new Part 88 will allow mobil users on frequencies within 2.5 KHz of the frequencies we use to operate our model aircraft, helicopters, cars, and boats. This action would eliminate the safe use of at least 31 of the 50 channels on 72 Mhz and 10 of the 30 channels on the 75 Mhz bands now used by us.

This action would have a detrimental impact upon me and the entire R/C industry. If put into effect, my model aircraft could be easily shot out of the sky by a mobil user I'd have no way of knowing about. Our local club goes to great lengths to insure the safety of the fliers, the spectators, and the protection of private property. If this docket is put into effect, we would no longer be able to safely provide this protection.

I have been involved in this hobby for several years. I own radios and several models. In addition, I have many engines, other accessories and products necessary to support my hobby. When you consider the hundreds of thousands of other R/C hobbist like me, these prosposed rule changes will have a serious economic impact on a great many people.

I urge you to reconsider. Please keep the 10 KHz spacing on 72 Mhz and 75 Mhz that is currently available so that we may continue the safe use of our models and enjoyment of our hobby.

Sincerely,

C. E. Wolcott

RR# 1 Box 235
LAMPASAS, TEXAS 76850

PH: 512-556-3070