

TUCSON MINIATURE AIRCRAFT ASSOCIATION  
7525 EAST EDISON STREET  
TUCSON, ARIZONA  
85715

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A.M. 3137 DOCKET FILE COPY ORIGINAL JAN 26 1993 FCC MAIL ROOM

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

January 21, 1993

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

Dear Sirs,

It has recently come to our attention that the FCC is considering an action that will severely limit and potentially eliminate a very important hobby we enjoy, radio controlled model airplanes, helicopters, cars and boats.

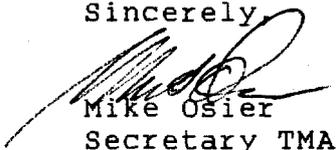
Your notice of Proposed Rule Making (NPRM) in Docket 92-235 replaces Part 90 of your rules with a new Part 88. Part 90 currently allows for the safe operation of R/C aircraft and surface models by providing a 10Khz spacing between fixed commercial users and hobbyists. The new Part 88 will allow mobile users on frequencies within 2.5Khz of frequencies available to the R/C hobbyists and will eliminate 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.

This action will have a severe, and detrimental impact on the members of TMAA, and the entire R/C industry. If put into effect our aircraft could easily be shot out of the sky by a mobile user. TMAA is an Academy of Model Aeronautics sanctioned group. We adhere to the Academies strict safety code for model aircraft operations. This Part 88 proposal will make the safe operation we currently enjoy a thing of the past.

There are hundreds of thousands of R/C hobbyists in the United States just like us, these proposed rule changes will impact us economically and in terms of enjoyment.

We urge you to keep a 10 Khz spacing between all frequencies on the 72 and 75 Mhz bands. Don't destroy an industry and the hobbies that have grown tremendously over the past 30 years.

Sincerely,

  
Mike Osier  
Secretary TMAA

International Corporate Headquarters:

**The Braun Corporation**  
P.O. Box 310  
Winamac, IN 46996 USA  
**1-800-THE LIFT**  
(219) 946-6153  
FAX: (219) 946-4670

92-235

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**THE BRAUN CORPORATION.**  
"Providing Access to the World"

JAN 25 1993



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Eastern Division Office:

**The Braun Corporation**  
5 Industrial Road  
Fairfield, NJ 07004 USA  
(201) 882-5455  
FAX: (201) 882-8076

Southeastern Division Office:

**The Braun Corporation**  
5072 113th Avenue North  
Clearwater, FL 34620 USA  
(813) 573-2737  
FAX: (813) 573-5069

Western Division Office:

**The Braun Corporation**  
15731 Graham Street  
Huntington Beach, CA 92649 USA  
(714) 891-4305  
FAX: (714) 893-3061

European Office:

**The Braun Corporation**  
Malmøgaten 7  
0566 Oslo 5, Norway  
47.2.37.88.01  
47.2.38.56.02  
FAX: 47.2.38.41.54

Canadian Distribution:

**Bahn Mobility Corporation**  
8 Grand Avenue  
Kitchener, Ontario N2K 1B3  
Canada  
(519) 744-8754  
In Canada: 1-800-567-BAHN  
FAX: (519) 744-6861

Australia, New Zealand and  
Southeast Asian Distribution:

**Tramanco Pty., Ltd.**  
21 Shoebury Street  
Rocklea, Queensland  
Australia 4106  
61 7 892 2311  
FAX: 61 7 892 1819

January 22, 1993

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JAN 26 1993

Federal Communications Commission  
1919 "M" Street N.W.  
Washington, DC 20554

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Gentlemen:

As a brief introduction of myself, I am 52 years old, seriously afflicted by Muscular Dystrophy and confined to a wheelchair since childhood. One of the only activities that I have been able to find over the years to entertain myself and spend my free time with has been radio controlled model airplaning. I had always had the desire to fly model airplanes since a very early age but was only able to accomplish my dream some seven years ago. I am the C.E.O. of a small (approximately 200 employees) manufacturing company in Winamac, Indiana, with divisional offices in Clearwater, Florida; Huntington Beach, California; and Fairfield, New Jersey; with a combined total of approximately 250 employees working with me on supplying products that enhance the lives of the elderly and disabled in their transportation needs.

My physical limitations only allow certain hobby and pastime experiences since I am unable to play golf, swim, hunt, hike or all the other various things that the able-bodied population so enjoys. The purpose of my writing to you may seem selfish and self-centered but please bear in mind that there are hundreds of thousands of other people that enjoy the same sport as I do in RC modeling. I am very concerned about the proposed rules that the FCC is proceeding in PR Docket 92-235. My understanding is that if this docket is adopted, the new rules will greatly reduce the usability of the frequencies currently assigned for model use and increase the risk of accidents and liability for us while we are flying our RC model airplanes.

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JAN 25 1993

FCC MAIL ROOM

**THE BRAUN CORPORATION.**

"Providing Access to the World"



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.

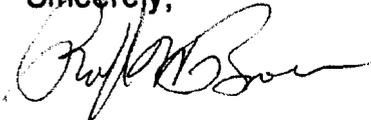
Please understand that many model airplanes have wingspans up to 10 feet and weigh as much as 30 or 40 pounds. The models themselves are expensive to build; but more to the point, they are capable of causing property damage, serious injury, or even death if radio interference causes the operator to lose 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.

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.

I am enclosing a copy of an article that appeared recently in the South Bend Tribune. Hope you enjoy it.

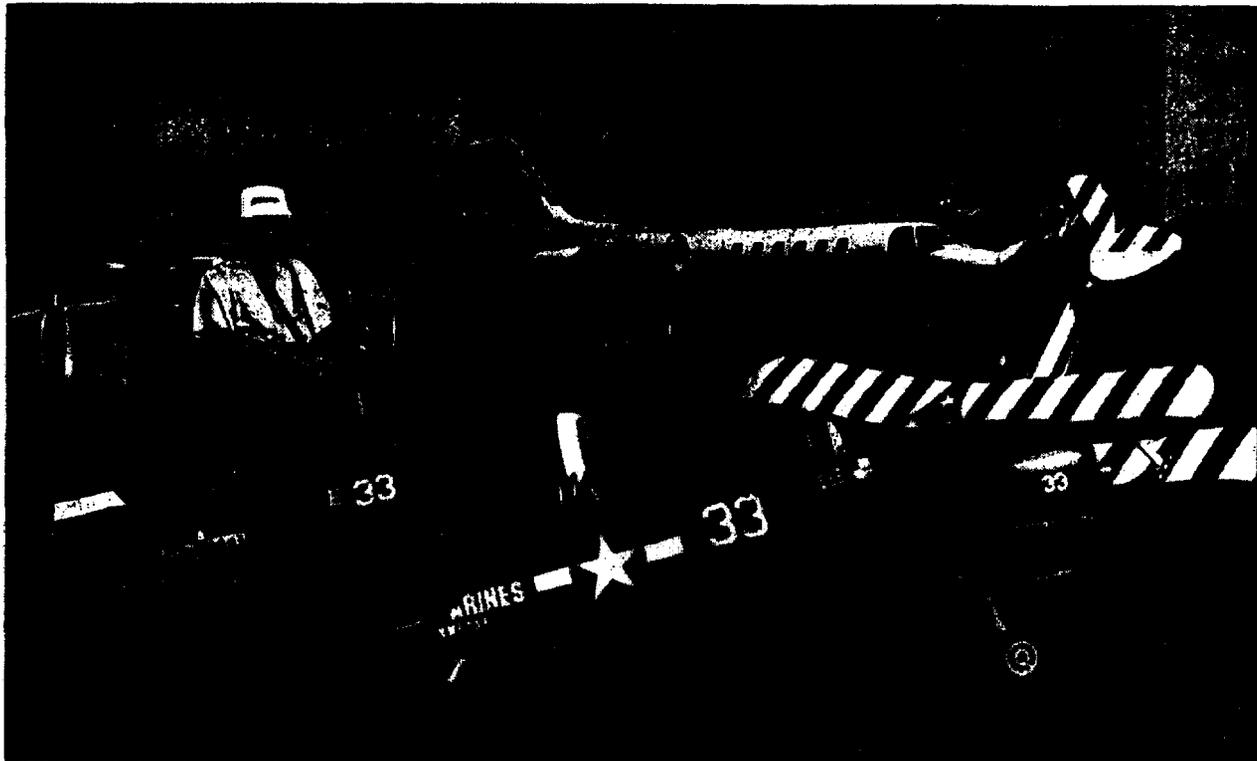
Thank you for any assistance you may be able to give.

Sincerely,



Ralph W. Braun  
Chief Executive Officer

Enclosure



Tribune Photo/GLORIA HIZER

Ralph Braun sits among some of the smaller models in his fleet of R/C model airplanes.

## Model planes no fly-by-night fad

Braun Corp. executive builds his radio-controlled fleet with passion

By GLORIA HIZER  
Tribune Correspondent

**M**odel airplanes may be just another hobby for some, but for a Winamac man, they have become a passion.

Ralph Braun, founder and chief executive officer of The Braun Corp., has collected quite a fleet of motor-powered radio-controlled (R/C) scale model airplanes since he built his first one eight years ago.

And this month, his R/C racing team took high honors at a national air race competition in Madera, Calif.

But Braun's passion for the sport is not just another fly-by-night fad.

At age 51, he suffers from muscular dystrophy, a disease which severely limits his physical mobility. "It was either R/C flying or stamp collecting," he said. And manipulating the intricate airplane controls is good therapy for his hands. "It's a mind game, with eye and hand coordination."

His addition to R/C racing and model air shows now takes him all over the country.

In California, the nine-man Braun Racing Team and pit crew entered seven R/C planes in the contest, struggling against strong winds and temperatures of more than 100 degrees in an effort to qualify.

Two P51 Mustangs crashed, but Braun and team member Don Albright of Logansport averaged air speeds of more than 130 mph around the ¼-mile course to qualify for the top category, the Gold Class.

**"It was a team effort. It's just like the Indianapolis 500. Winning is when luck and preparation meet."**

**Ralph Braun**  
Speaking of model plane contest

Albright finished second and Braun took third place among 66 entries.

"It was a team effort," Braun said of the long days and nights spent preparing for the race. "It's just like the Indianapolis 500," he added. "Winning is when luck and preparation meet."

The race planes, which sport price tags of between \$3,000 and \$6,000, have a wing span of approximately 10 feet. They are hand-crafted from balsa and plywood and are covered with fiberglass, then painted.

Propellers can be fiberglass or be hand-carved from wood. Chainsaw motors propel the 55-pound aircraft, which are controlled by a radio handset. Braun has a specially-fitted shoulder harness with a lap easel to provide him easy access to the controls.

Braun said he had always wanted to fly R/C planes, but admitted that at first he spent more time repairing aircraft and recovering from crashes. Then his wife Linda saw an article in a Florida newspaper eight years ago and Braun contacted a retired R/C pilot who taught him and his sons, Todd

and Drew, to fly.

After mastering the handset controls, he was hooked.

Now he needs a larger hangar for his expanding fleet of model airplanes. Some of the beauties in his collection include a one-of-a-kind scale model of an A10, the same fighter plane from Grissom Air Force Base that can be seen flying high over U.S. 31.

His pride and joy is probably the 16-foot half-scale Piper Tri-Pacer, which he admits is "just for show."

The Braun Racing Team is sponsored by The Braun Corp., which manufactures motorized wheelchairs and installs handicap access devices to motor vehicles.

Braun's enthusiasm led him to help in chartering the Winamac Aero-Modelers Club, a 40-member organization which is affiliated with the National Academy of Model Aeronautics. The club hosted its first noncompetitive fly-in last month with more than 100 planes from a four-state area. The grand opening air show celebrated the completion of a new control tower and an 800-foot asphalt air strip west of Winamac.

"It's the premier flying site in the state," Braun said.

He added that one of the greatest aspects of the R/C hobby is neither the trophies nor the prize money, but sharing the sport with others. Braun has taught dozens of R/C pilots to fly, working with all ages, from teenagers to a man in his 70s.

"I want to pass the hobby on to other people so they can enjoy it," he said.

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

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

JAN 25 1993

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Dear Sirs:

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

Your Notice of Proposed Rule Making 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 model 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 since 1972. I own several model helicopters, and have also had airplanes and cars. Also, 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 consider 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,

James Conzett

**CAPITOL CITIES HOBBIES, INC.**

3012 CORUNNA ROAD, FLINT, MICHIGAN, 48503

RIDER'S HOBBY SHOP of FLINT

TELEPHONE: (313) 234-4051

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January 20, 1993

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FCC MAIL ROOM

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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

Dear Sirs:

I am a hobby retailer who sells many radios, radio-controlled models, and related products in my store. In addition, I sell train products, plastic model kits and other related hobby products.

It has recently come to my attention that the Federal Communications Commission (FCC) is considering an action that has the potential to destroy my business and that of thousands of other retailers nationwide like me. The proceeding is PR Docket 92-235.

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 72 MHz band and 10 of the 30 frequencies on 75 MHz band now used by hobbyists. In fact, more channels will likely be affected.

If adopted the new rule will greatly reduce the usability of frequencies currently assigned for R/C model use and increase the risk of accidents and attendant liability. It will create a significant safety risk and severely damage a billion dollar industry. Loss of R/C sales will hamper my ability to stay in business to sell other hobby items as well.

I urge you to reconsider this action. Keep 10 Khz spacing between all frequencies on 75 MHz and 72 MHz frequencies 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,



Michael Allen  
President

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

January 20, 1993

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

Dear Sirs:

I am employed at a hobby distribution company that sells mostly radio controlled hobby products. It is a good job that provides steady income for me and my family.

It appears that the Federal Communications Commission (FCC) is considering an action that will put my company and, therefore, my job in jeopardy. The proceeding is PR Docket 92-235.

In that action, I understand that by 1996 mobile users of other electronic equipment for voice communications, inventory control, bar code readers and the like would be able to use frequencies within 2.5 KHz of the radio frequencies used by our customers—R/C modelers. Now, there is safe spacing of 10 KHz between fixed commercial users and our frequencies.

Putting your 92-235 into effect will eliminate safe use of many frequencies now used by R/C modelers on the 72 and 75 MHz bands. This not only creates a health hazard but will really hurt the R/C hobby business, possibly costing me my job.

In an economic time when jobs are hard to come by, I hope you won't take this action and eliminate thousands of jobs related to this industry as well as the pastime of hundreds of thousands of modelers across the U.S.

I urge you to reconsider this. Keep 10 KHz spacing between all frequencies on 75 and 72 MHz bands as the rule now stands.

Thank you for your consideration.

Sincerely,

*Reg Blacker*

Art Withop  
6816 Bret Harte Dr.  
San Jose, Ca. 95120

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FCC MAIL ROOM

DOCKET FILE COPY ORIGINAL January 22, 1993

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JAN 26 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

F.C.C.  
1919 M Street  
Washington D.C. 20554  
**PR Docket 92-235**

I am very concerned about the proposed rule (PR Docket 92-235) under consideration by the FCC. If adopted, the new rule will greatly reduce the use of frequencies currently assigned for Radio Control model use and increase the accident risk and attendant liability.

I am involved with the sport of Radio Control modeling and I am presently a member of the Santa Clara County Model Aircraft Skypark, located at 10250 Monterey Road, Santa Clara County; whose membership is several hundred adults.

In the beginning of 1991 we underwent costly changing of all our radio equipment to comply with new FCC guidelines. I personally own 3 radio control systems.

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

The Notice of Proposed Rule Making in PR Docket 92-235 replaces Part 90 of the rules with Part 88 by reducing the 10 KHz spacing between users to 2.5 KHz. This eliminates the safe use of at least 31 of the 50 channels (R/C aircraft) and 10 of the 30 channels (R/C cars and boats) now used by hobbyists. If the number of usable frequencies is diminished as proposed by the FCC, the remaining frequencies will become congested and the safety margin will be adversely affected. When we operate our R/C models, we go to great effort to assure the safety of spectators, operators and protection of property. Most of our safety procedures involve the proper use of these channels to assure that no frequency interference causes any hazards.

We request fairness at the FCC, not favoritism towards business users. We have a considerable investment in our equipment. It is a sizable industry within California and nationally.

Please help me continue the safe enjoyment of my pastime by not allowing the FCC to implement its proposal PR Docket 92-235 for the 72 - 76 MHz band. We all need your help urgently because the FCC has a deadline of 2/26/93 for this proposal to be implemented.

Sincerely,



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January 20, 1993

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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JAN 25 1993

FCC MAIL ROOM

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

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 user 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.

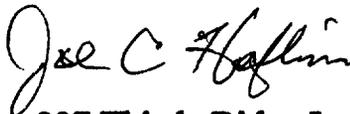
This action will have a severe, detrimental impact upon me and entire R/C hobby industry. If put into effect my airplane or helicopter could easily be shot out of the sky by a mobile user I'd have no way of knowing about. this creates a severe health hazard.

I have been involved in this hobby for 14 years. I own 6 radios and 12 model airplanes, helicopter, cars and boats. In addition, I have numerous engines, motors, charges, field accessories and other products necessary to support my hobby. This adds up to \$5,000 to \$6,000 investment. 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



937 Thistle Ridge Lane  
Arlington, Tx 76017

January 12, 1993

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FCC MAIL ROOM

Federal Communications Commission  
1919 m street, NW  
Washington, D.C. 20554

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Members of the Commission: ( **NPRM - PR Docket 92-235**)

I am a member of the Academy of Model Aeronautics and regularly engage in the flying of radio control model aircraft. We are now using those 72 mhz frequencies allocated, in the recent past, by the FCC for radio control aircraft use. If NPRM - PR Docket 92-235 is implemented new Mobile Land Service frequency allocations 2.5khz from the radio control frequencies will render them useless. That ultra narrow band frequency spacing is incompatible for radio control use. Model aircraft weighing up to as much as 50 pounds will go out of control in the presence of such radio signals and they will crash. There is no receiver technology that permits such narrow band use.

We believe some of the radio spectrum must be reserved for the hobby user as some land in cities must be reserved for open green space for parks and recreation. We urge you to not tamper with that portion of the 72 mhz in which we now operate. Thank you.

Sincerely,

AMA number

*Ray D. Roberts*

402599

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JAN 25 1993

FCC MAIL ROOM

36981 South Lakeshore Blvd.  
Eastlake, Ohio 44095  
January 1993

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JAN 26 1993

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

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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.

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

I have been involved in this for 35 years. I own 5 radios and 17 model airplanes. 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 action. Keep 10 KHz spacing between all frequencies on the 72 MHz and the 75 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,

  
Fred A. Sheplavy



WARRENVILLE-WEST CHICAGO CHIROPRACTIC OFFICES

D. M. OELSLAGER, D.C.

28 W. 530 Batavia Rd.  
Warrenville, IL 60555  
Telephone: (708) 393-3777

243 E. Hazel St.  
West Chicago, IL 60185  
Telephone: (708) 231-0666

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FCC MAIL ROOM

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JAN 26 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

1/20/93

Federal Communications Commission  
1919 M Street NW  
Washington, DC 20554

Dear Sirs:

I have enjoyed the hobby of radio control model airplane flying for a number of years. I own a number of airplanes, radios, engines, and field equipment which represents a substantial investment.

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 withing only 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.

This action will have a severe, detrimental impact upon me and the entire R/C hobby industry. If put into effect, my airplane could easily be "shot down" by a mobile user I would have no way of knowing about. This could create a potential serious hazard to persons or property. I urge the FCC to keep 10 KHz spacing between all frequencies on 75 MHz and 72 MHz available for safe use by R/C hobbyists like myself.

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, not to mention the hours of enjoyment this hobby has given me.

Sincerely,

D.M. Oelslager. DC

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**JAN 25 1993**

**FCC MAIL ROOM**

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

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**JAN 26 1993**

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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 the rules with a new Part 88. Part 90 allows for the safe use of R/C aircraft and surface models by keeping 10Khz spacing between fixed commercial users and frequencies used by R/C enthusiasts. The new Part 88 will allow mobil users frequencies within 2.5 KHz of frequencies available too us, eliminating safe use of 31 of the 50 channels on the 72 MHz band (for R/C aircraft) and 10 of the 30 frequencies on the 75MHz band (for R/C boats and cars) now used by hobbyist. In fact, more channels will likely be effected.

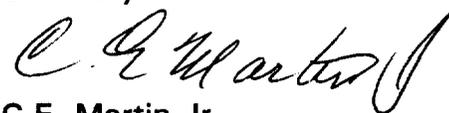
This action will have severe, detrimental impact upon me and the entire R\C hobby industry. If put into effect, my airplane or helicopter could be shot out of the sky by a mobil user I'd have no way of knowing about. This creates severe safety and liability hazards.

I have been involved in this hobby for 25 years. I own 9 radios and 15 models, both airplanes and helicopters. In addition I have numerous engines, motors, chargers, field accessories and other products to support my hobby. When you consider there are hundreds of thousands of R\C hobbyist as myself in the U.S., this proposed rule will effect a lot of people economically and in terms of enjoyment.

I urge you to reconsider this. Keep 10Khz spacing between all frequencies on the 755 MHz and 72 MHz bands available for the safe use of 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 you consideration.

Sincerely



C.E. Martin Jr.

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

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JAN 25 1993

FCC MAIL ROOM

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[Date]

JAN 26 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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

Dear Sirs:

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**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 2 years. I own 3 radios and 2 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,

*Becki Bjork*

Federal Communications Commission  
1919 M St. NW  
Washington DC 20544

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JAN 26 1993

JAN 25 1993

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

FCC MAIL ROOM

Dear Sir or Madam,

I am very concerned about the 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 usability of frequencies already 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, a band 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. 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. Many thousands of dollars of radio control equipment owned by members of my club will be rendered useless.

When we fly our model airplanes we go through great lengths to assure the safety of the operators and bystanders and the protection of property. Our safety precautions involve the careful coordination and use of the assigned 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 reduced. Please understand that many model airplanes have wing spans up to 10 feet, weigh as much as 30-40 pounds and fly at a high rate of speed. 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 need the use of our full compliment of radio frequencies in order to assure a safe flying environment.

I do not think it is wise for the FCC to seek to allocate more radio frequencies for Land Mobile 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 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 to continue the safe enjoyment of my pastime by not implementing NRPM PR Docket 92-235.

Sincerely,

Joey J. Pollock

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

(Date)  
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**JAN 25 1993**

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OFFICE OF THE SECRETARY

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 22 years. I own 8 radios and 8 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,



G. K. Loving, Jr.  
8817 Turnbull Avenue  
Richmond, VA 23229

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[Date]  
RECEIVED JAN 25 1993

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

JAN 26 1993 FCC MAIL ROOM

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

Dear Sirs:

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I have been involved in this hobby for \_\_\_\_\_ years. I own \_\_\_\_\_ radios and \_\_\_\_\_ 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,



6415 Greenwood Way Dr.  
Richmond VA 23235  
/

January 20, 1993  
1140 W. 500 North  
Columbia City, IN. 46725

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JAN 26 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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JAN 25 1993

FCC - MAIL ROOM

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

Reference: FCC Rule (NPRM-PR Docket 92-235)

DOCKET FILE COPY ORIGINAL

Dear Sir

The subject proposed FCC Rule is both dangerous and expensive to the public operating model aircraft by remote radio control.

I am writing this letter on behalf of the 44 members of the Whitley County Radio Control Club.

Please give this serious consideration, I am well qualified to address this subject. I have designed military communication and electronic warfare equipment for over 40 years and been engaged in radio control of model aircraft for over 30 years. In addition to being a graduate electronics engineer I am a Scientific Leader Member, Administrative Leader Member and Contest Director of the Academy of Model Aeronautics (AMA).

The proposed insertion of Land Mobile Service frequencies between the Model Channels will create interference and result in the "crashing" of Radio Controlled Model Aircraft. These aircraft are expensive, representing an investment of \$300 to over \$1,000. each. They weigh from 5 to over 20 pounds and travel at speeds in excess of 60 miles per hour. A crash striking a person will cause very serious injury or even death.

Allowing interference that will result in a crash is total irresponsible as well as being dangerous. There is no way that a Model Aircraft can operate safely in the presence of the proposed new land mobile frequencies nor could the average modeler afford the expense of moving to other frequencies. If a Land Mobile user experiences interference they lose a few words, if a Model Aircraft experiences interference we lose an expensive aircraft and possibly injure someone. These higher power Land Mobile units do not belong intermixed with the lower powered Model Channels.

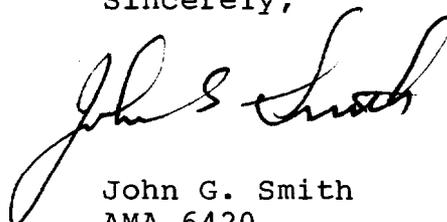
Just the 44 members of our small club have over \$100,000. invested in Radio Control aircraft, engines and equipment which is put at risk by this proposed rule. We use and need all of the channels currently authorized.

Crowding of the Model Channels has been a problem and just a few years ago addition channels were made available. A large number of modelers have purchased expensive radio equipment to use these new channels and this has helped reduce the crowding problem. Now the FCC is proposing to undo the improvements made over the years at a very large expense to the modeling public.

Our club members are already the victims of unauthorized use of our frequencies several times a year, to "legalize" interference is unthinkable.

Please see that this rule is not approved.

Sincerely,

A handwritten signature in cursive script, appearing to read "John G. Smith".

John G. Smith  
AMA 6420  
K9EBZ

Written on behalf of the membership- see attached list.

DAVE BELTZ  
2091 E. BAIR RD.  
COLUMBIA CITY, IN. 46725  
Channel 34  
AMA # 447259  
(219) 691-2192

RON CASE  
3757 E. HARTMAN RD.  
COLUMBIA CITY, IN 46725  
Channel 44,50  
AMA # 372139  
(219)248-8948

JAMES M. ENGLAND  
3744 W. 150 S.  
COLUMBIA CITY, IN. 36725  
Channel 16,18,24,34,40,42  
AMA # 43222  
(219) 248-8052

THEODORE J. FIDLER  
2700 N 825 EAST  
CHURUBUSCO IN. 46723  
Channel 42,44,50,52,54  
AMA # 26638  
(219) 693-6533

RODNEY HARDESTY  
210 POPLAR  
SOUTH WHILEY, IN. 46787  
Channel 52,56  
AMA # 446326  
(219) 723-6981

ROBERT KLEIN  
2323 EAST SUNFLOWER LANE  
WARSAW, IN. 46580  
Channel 30,32,36  
AMA # 381948  
(219)269-2585

FRITZ A. MARTIN  
117 N. PARK DR.  
COLUMBIA CITY, IN. 46725  
Channel 52,54  
AMA # 53772  
(219) 244-7802

JERRY MOORE  
1514 GLENCOE BLVD.  
NEW HAVEN, IN. 46774  
Channel  
AMA # 22519  
(219) 749-8142

ED SCHROEDER  
202 N. ELN ST.  
NORTH MANCHESTER IN. 46962  
Channel  
AMA # 382583  
(219)982-2273

ROGER TUCKER  
4141 S. 50 WEST  
ALBION, IN. 46701  
Channel 16,20,38,42,46,54  
AMA # 254906  
(219)636-2903

DOUG WHITE  
202 S. WALNUT  
COLUMBIA CITY, IN. 46725  
Channel 28,38,58,60  
AMA # 39057  
(219) 244-7945

JEFFERY A. BORN  
2020 E 400 NORTH  
COLUMBIA CITY, IN. 46725  
Channel 20,24,36,46,48  
AMA # 372881  
(219)691-2079

DALE COFFELT  
3957 E. HARTMAN RD.  
COLUMBIA CITY, IN. 46725  
Channel 50  
AMA #  
(219)244-3416

WM. (BILL) EVANS  
5910 PORT ROYAL  
FT. WAYNE, IN. 46815  
Channel 12,24 & 6M-(53.20)  
AMA # 2669  
(219) 485-2599

DAN T. FORD  
160 E. 400 NORTH  
COLUMBIA CITY, IN. 46725  
Channel 20,42,44  
AMA # 366433  
(219)691-3108

GARY KEISTER  
817 SUMMIT DRIVE  
COLUMBIA CITY, IN. 46725  
Channel 22  
AMA # 446525  
(219) 244-5990

JAMES LOW  
7676 S. 875 WEST  
CLAYPOOL IN. 46510  
Channel 16,30,54  
AMA # 374787  
(219) 491-2251

SEAN MARTIN  
117 N. PARK DR.  
COLUMBIA CITY, IN. 46725  
Channel  
AMA #  
(219) 244-7802

DAVID PATTERSON  
405 W. SOUTH ST.  
ALBION, IN. 46701  
Channel 24,34,  
AMA # 322059  
(219)636-7617

DAVID B. SMITH  
1142 WEST 500 NORTH  
COLUMBIA CITY, IN. 46725  
Channel 12,14,40,46  
AMA # 405915  
(219)691-2350

DAVE WAGNER  
8122 ROTHMAN ROAD  
FT. WAYNE, IN. 46835  
Channel 47  
AMA # 425168  
(219) 486-6511

GREG WILLSON  
2040 S. LONEPINE RD.  
COLUMBIA CITY, IN. 46725  
Channel 20,50  
AMA # 166656  
(219)244-3425

ROBERT BORN  
307 WALLACE AVE.  
COLUMBIA CITY, IN. 46725  
Channel 16,18,52  
AMA # 369452  
(219)248-2577

RICHARD B. COLTER  
R# 2  
MONROEVILLE, IN. 46773  
Channel 19,21,38,33,35  
AMA # 145805  
(219) 623-3761

KEVIN EWING  
974 W. DOGWOOD  
COLUMBIA CITY, IN, 46725  
Channel 50  
AMA # 444296  
(219) 248 2457

CLAUDE FREIMUTH  
1101 GLENWOOD AVE.  
FORT WAYNE, IN. 46805  
Channel  
AMA #  
(219)484-7608

RICK KING  
3255 E. 500 NORTH  
COLUMBIA CITY, IN. 46725  
Channel 26,40,46,50,56  
AMA # 205270  
(219)691-3998

LANCE MARESH  
4302 N. 750 WEST  
LIGONIER, IN. 46767  
Channel 16,28,50,56  
AMA # 256782  
(219) 894-3370

ART MINNICK  
4885 E. MC JUNKIN ST.  
COLUMBIA CITY, IN. 46725  
Channel 20,28,40  
AMA # 11753  
(219)244-3567

JOE PEGUINGNOT  
4950 STATE RD. 109 NORTH  
COLUMBIA CITY, IN. 46725  
Channel 32,54,56,58  
AMA # 161324  
(219)691-3068

JOHN G. SMITH  
1140 W. 500 NORTH  
COLUMBIA CITY IN. 46725  
Channel 40,6-METER (53.50)  
AMA # 6420  
(219)691-3461

ROBERT WANTZ  
12536 CRABAPPLE PL.  
FORT WAYNE, IN. 46804  
Channel  
AMA # 6899  
(219)672-8937

RICHARD & KRAYSTAL ZOLTEK  
910 E. JEFFERSON  
COLUMBIA CITY, IN 46725  
Channel 44,48  
AMA # 417551  
(219) 248-8185

JIM BORTNER  
314 NORTH OAK ST.  
ALBION, IN. 46701  
Channel  
AMA # 249129  
(219)636-2607

LARRY J. ECKERLEY  
9321 WOODCHIME CT.  
FORT WAYNE, IN. 46804  
Channel 22,34,44,  
AMA # 1059  
(219)432-9527

GARY L. FEARS  
2619 MEADOWS PARKWAY  
FORT WAYNE, IN. 46825  
Channel 32,52  
AMA # 365342  
(219)484-6940

FRANK B. FURNAS  
1 EMS B37 LANE LOT 91.  
WARSAW, IN. 46580  
Channel 22,52  
AMA # 56029  
(219)594-5855

STEVE KINNEY  
5090 E. OLD 60. 30  
PIERCETON, IN. 46562  
Channel 52  
AMA # 420220  
(219) 269-2358

TERRY MARKER  
104 S. DRANGE  
ALBION, IN. 46701  
Channel 22,26,46,56  
AMA # 255467  
(219)636-2470

KENNETH D. WISENAR  
1770 N. RIVER DRIVE WEST  
ALBION, IN. 46701  
Channel 44  
AMA # 463512  
(219) 636-2836

EARL ROGERS  
2136 GILMORE AVE.  
FORT WAYNE, IN. 46818  
Channel 18,28,40  
AMA # 276310  
(219)489-5829

TIMOTHY L. SORG  
4625 GULFVIEW DR.  
FT. WAYNE, IN. 46818  
Channel  
AMA # 303560  
(219) 483-8774

KEITH L. WELLBAUM  
723 RIVERSIDE  
FT. WAYNE, IN. 46805  
Channel  
AMA # 300730

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56 Plumb Brook Road, Woodbury, CT 06798

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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JAN 25 1993

FCC - MAIL ROOM

January 21, 1993

Federal Communications Commission  
1919 M St. NW  
Washington, DC 20554

Re: PR Docket 92-235

Dear Sir/Madam,

DOCKET FILE COPY ORIGINAL

I am an active model aviator and I am very concerned about proposed rules that are currently under consideration by the Federal Communications Commission: 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.

Model aviation is a hobby and a family activity that my family participates in on a regular basis throughout the year. I am a member of a local club with 70 members. The club members enjoy flying radio controlled model airplanes as a sport, hobby and social activity. We are also actively involved in promoting aviation through this activity with our children and other children in the community. We sponsor events for organized groups like the Girl Scouts, Boy Scouts and Big Brothers. The focal point for these activities is radio controlled model airplane demonstrations and lessons.

Our radio control frequencies are in the 72-76 MHz band. This band is also used for private land mobile dispatch operations. Currently our radio control frequencies are far enough apart from the land mobile frequencies that we have been able to share the band without interference.

Now the FCC wants to create more land mobile frequencies by splitting them into narrower bandwidths. I understand that the results would be interference with the frequencies now available to model radio control operations. Of the 50 frequencies now available to model airplanes, only 19 would be left if these new rules are adopted.

We go to great lengths when we fly under radio control to assure the safety of operators and bystanders as well as the protection of property. With the significant reduction of frequencies, the remaining frequencies would become congested and the margin of safety would be reduced. We fly gliders, electric powered and gas powered models, some as large as 40 pounds with 10 foot wingspans at organized events with hundreds of participants and spectators. We need the full complement of frequencies without interference to assure a safe flying environment.

I personally have spent thousands of dollars on model aviation and I know that many thousands of my fellow modelers have spent much more. Many small and some large manufacturers and retail businesses in the United States rely on us for their employment. The FCC may not be not aware of the important contribution that radio control modelers make to the economy and to the education/encouragement of the younger generation in the field of aviation. This is in addition to the many hours of leisure time that we and our families enjoy participating in this activity.

I hope this letter and others like it convince you that we should not allow the proposals for the 72-76 MHz radio band in PR Docket 92-235.

Sincerely,

  
Jack F. Brinnier

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FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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JAN 25 1993

FCC - MAIL ROOM

The Honorable Norman Mineta  
U.S. House of Rep. Washington, DC 20515

I wish to bring an issue to your attention. The issue is FCC NPRM -

PR Docket 92-235. This NPRM (Notice of Proposed Rule Making) was sent only to the group of RF (Radio Frequency) spectrum users known as the "Land Mobile" users and was not sent to the national organization that represents approx. 300,000 radio control enthusiasts that use the frequency this NPRM effects. That organization is the Academy of Model Aeronautics or the AMA at 1810 Samuel Morse Dr. Reston, Va 22090, phone 1-703-435-0750.

The AMA represents about 250,000 of the approx. 350,000 hobbyists that use these frequencies at present, and speaks to the FCC in behalf of all RC users.

I (we) use radio control modeling as an enjoyable sport and hobby, this sport/hobby is supported by many manufactures (both of radios and related supplies). These manufactures make a tax paying living supporting this activity. These manufactures support another approx. 50,000 paid workers (who are taxpayers and voters). The hobby is international in nature, the effect of this proposed new FCC rule would soon destroy the hobby /business of radio control, and we would look quite foolish in international eyes. There is also a public SAFETY ISSUE which must be addressed.

NPRM - PR Docket 92-235 proposes (through Part 88 of the Code of Federal Regulations) to license new "Land Mobile" frequencies within in OUR small RC band of frequencies (part 95) in such a manor to make our heavily populate frequency channels obsolete and DANGEROUS to use. At this time there are thousands of expensive RC systems that would be obsoleted by ANY intrusion into this band of frequencies.

We use less than 3 megahertz of spectrum out of a presently usable amount of more than 10,000 megahertz. As you can see there is still an enormous amount of spectrum available to the land mobile service.

There has been "Radio control" of planes, cars and boats since the end of WW2. The AMA was formed about then to coordinate and further the sport/hobby. As you can see our sport/hobby has a history of about 50 years, and so cannot be dismissed lightly. The AMA has just recently worked closely with the FCC in establishing revised and upgraded model aircraft radio frequency channels (now 50 channels in number) and also channels for model cars and boats spacing them to allow as many channels as possible for our use with in our 3 megahertz. A great deal of study and technical input went into making sure these channels were also SAFE in there spacing and placement in the RC part of the RF spectrum.

As a result of this negotiation with the FCC we have upgraded and replaced thousands of radio systems at hundreds of thousands of dollars cost to the manufactures and individual hobbyist. The result of this SELF Regulation is an improvement of the safety and reliability of the equipment and a thriving RC industry.

The proposed new land mobile frequencies that are to be inserted into the present RC 3 megahertz band between our present channel frequencies are to be designated as "mobile" (that is IN a car or truck). This could put the interfering transmitter in close proximity to our RC models and cause loss of control of the model with destruction of the model equipment and/or personal injury.

These "inserted" frequencies will make radio control in our recently upgraded frequency band unusable by the RC hobbyist. The result would be the loss of thousands of jobs, the failure of hundreds of small businesses, obsolescence of tens of thousands of newly purchased RC systems (an average RC system including radio equipment, RC airplane and accessories is approx. \$500.00 and each RC hobbyist has 3 to 5 such systems), and possible injury to innocent people (the safety issue I mentioned previously).

On the other hand the result of protecting our newly updated RC frequencies would be stability and growth in this time of recession. The Land Mobile service (and at this point with very little cost) would go to an unused part of the spectrum (which it is very capable of doing technically) to accomplish it's purposes.

This assault on the RC frequencies is unwarranted and unnecessary, it appears to be a manipulation of the Federal government by BIG business at the expense of the small businessman and 300,000 citizen hobbyist. Please look into this matter to keep a vital industry and hobby viable now and in the future.

Thank you. Sincerely:



Donald E. Farwell 18724 Martha Ave. Saratoga, Ca. 95070

CC to: AMA technical Dept. 1810 Samuel Morse Dr. Reston, Va 22090

FCC 1919 M St. NW Washington, DC 20554

Also sent to To the Honorable Diane Finestien

1/15/93

United States Senate

Washington, DC 20510

John D. Fuqua, Major, USAF, Ret.  
724 Diane St  
Niceville, FL 32578

19 January 1993

FCC  
1919 M St. NW  
Washington, DC 20554

Reference PR Docket 92-235

Sir;

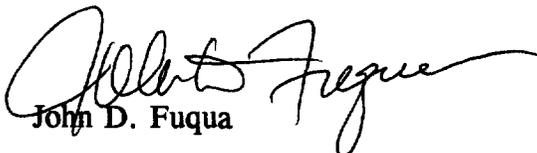
I am outraged at PR Docket 92-235 which would allow transmitting devices only 2.5 kilohertz away from (basically on top of our frequencies) , and 2 or 3 times the radiated power of, currently authorized radio control (RC) frequencies for model aircraft activity. This is tantamount to withdrawing our frequencies because of the safety aspects of this proposal.

As you are well aware, the modelling community only recently went through a period of time when our equipment was required to conform technically to a 20 khz spacing knowing that other users would only be 10 khz away. We have complied and spent millions in the process. Now the FCC proposes to obsolete our new equipment with this proposal. This proposal sets the whole modelling community and industry back 10 years and wastes millions of dollars.

We currently safely fly models weighing up to 55 pounds and speeds of up to 150 mph. This proposal jeopardizes public safety and should not be allowed. There are millions of modellers in the US whose radio equipment would be made unsafe to use because no one would ever know there was a problem until it was too late. The randomness of the interference because of the mobile nature of the transmitters would be impossible to work around. This is a reckless proposal which disregards public safety as well as respect for personal property.

This is a proposal which must be defeated. I urge that this Docket be disapproved so that safety and sanity will prevail.

Sincerely,

  
John D. Fuqua

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JAN 26 1993

FEDERAL COMMUNICATIONS COMMISSION  
OFFICE OF THE SECRETARY

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JAN 25 1993

FCC - MAIL ROOM

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