

From: Mike Xie <Michael.Xie@sercelus.com>
To: Carl Huie <CHUIE@fcc.gov>
Date: 3/2/01 5:33PM
Subject: RE: The Experimental License

Amendment

46 PL 2#1

The operating frequency of the equipment is until 250 MHz. I agree with you safety and distress at 243 or 240 MHz.
The bandwidth of 800 - 1000 KHz is for a 2 X 1024 kbps data rate. Please consider our requests to do the test at frequency of 220 - 240/243 MHz.

Thanks.

Have a good weekend.

Regards
Michael

-----Original Message-----

From: Carl Huie [mailto:CHUIE@fcc.gov]
Sent: Friday, March 02, 2001 2:54 PM
To: Michael.Xie@sercelus.com
Subject: RE: The Experimental License

You have expanded frequency band requirements from 240 to 244 MHz. No can do: safety and distress at 243 MHz.

Since your maximum bandwidth is 1 MHz, why need all that spectrum? Can you do with 220-222 MHz?

>>> Mike Xie <Michael.Xie@sercelus.com> 03/02/01 02:29PM >>>
Dear Mr. Huie Carl:

Per our phone conversation this week, I am sending you with a mended Form ~~442~~.
The file number is 0046-EX-PL-2001.

Based on your suggestion I will renew our Experimental license for KO2XFY at frequency range of 216 to 220 MHz and add a new request for Emission Designator.

ERP @ 7.5 mW
Amended form ~~442~~ mainly requests a Experimental License for output power level of *5 dBm*,
a 8.7 dBm at frequency range of 220 to 244 MHz. the Emission types are 200KG1D, 1M00G1D and 1M00G7D.

If you have any questions or let me mend form ~~442~~ please let me know.

Thank you very much.

We expect to obtain you approve. thanks again.

*Amendment*FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554APPROVED BY DMB
FD011-0005
Expires 9/30/98APPLICATION FOR NEW OR MODIFIED RADIO STATION AUTHORIZATION UNDER PART 5
OF FCC RULES - EXPERIMENTAL RADIO SERVICE (OTHER THAN BROADCAST)

Applicant's Name and Post Office address (Street address, city, state, and ZIP Code See instruction No. 4) SERCEL, INC	DO NOT WRITE IN THIS BLOCK File No. 4611241
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2(a) Application for (check only one box)

☒ New station ☐ Modification of existing authorization

2(b) For Modification indicate below:

File No: _____ Call Sign: _____

3 Application for Modification: Check the box beside all particulars to be modified. Check either addition or replacement to indicate whether the change is an addition or a replacement of parameters in the current authorization.

☐ FREQUENCY - ☐ EMISSION - ☐ POWER - ☐ LOCATION -
☐ addition or ☐ replacement? ☐ addition or ☐ replacement? ☐ addition or ☐ replacement? ☐ addition or ☐ replacement?
☐ OTHER PARTICULARS - addition or replacement? Describe below or in attached EXHIBIT No. _____

4. Particulars of Operation (See instruction below)

Frequency band (center freq or MHz)	POWER			EMISSION	MODULATING SIGNAL	NECESSARY BANDWIDTH (kHz)
(a)	(b)	(c)	(d)	(e)	(f)	(g)
220-244 MHz	+5dBm	+8.7dBm @7.5mW	mean	G7D G7D	256 kHz's 1624 Mbps	200 kHz 200 kHz

*200KGD
1MOUGID
1MOO6TD*

- (1) List each frequency or frequency band separately. (If more space is required, attach as EXHIBIT No. _____)
- (2) Insert maximum RF output power at the transmitter terminals. Specify units.
- (3) Insert maximum effective radiated power from the antenna (if pulsed emission, specify peak power). Specify units.
- (4) Insert "MEAN" or "PEAK" (See definitions in Part 5).
- (5) List each type of emission separately for each frequency. (See Section 2.201 of FCC Rules)
- (6) Insert as appropriate for the type of modulation:
- (1) the maximum speed of keying in bauds;
 - (2) maximum audio modulating frequency;
 - (3) frequency deviation of carrier;
 - (4) pulse duration and repetition rate.
- For complex emissions describe in detail in the space provided below.
- (7) Describe how the necessary bandwidth was determined in space provided below.

FCC Form 442 - Page 2
March 1995*QPSK spectrum efficiency Actually 1.6 bit/HZ*