

FCC CORRESPONDENCE
REGARDING
RULES INTERPRETATION

FEDERAL COMMUNICATIONS COMMISSION

**Customer Service Branch**

7435 Oakland Mills Road, Columbia, MD 21046

Phone: (301) 725-1585, ext 221 Fax: (301) 344-2050

E-mail: rlaforge@fcc.gov www site: <http://www.fcc.gov>

FROM: Ray LaForge DATE: April 6, 1998

TO: Stanley T. Zubiel, Zubiel RF Systems, Inc.

PAGES: 1

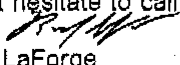
REFERENCE: Your inquiry

Dear Mr. Zubiel:

In regard to your questions the following response is provided:

Based on the additional information you have provided we agree that the transmitter you have described in your April 2, 1998 fax would comply with 47 CFR 15.231 as long as you comply with the specific periodic transmission and field strength requirements of the rule. The transmitter must also be certified prior to sale or importation.

I hope this is responsive to your inquiry. If you have any further questions, please don't hesitate to call.


Ray LaForge
FCC-OET
Customer Service Branch

Zubiel RF Systems, Inc.

P.O. Box 1184 • Monument, CO 80132

Tel: (719) 488-8535 • Fax: (719) 488-8546 • e-mail: SZubiel@aol.com

April 2, 1998

Mr. Ray LaForge
FCC-OET
Customer Service Branch

SUBJECT: Remote Control Transmitter

Dear Mr. LaForge:

I am currently designing an RF remote control transmitter for a client who will market it as part of a classroom training system. The purpose of the device is to periodically control certain functions within the classroom. The transmitter consists of 24 momentary contact pushbuttons for the selection and transmission of fixed recognition codes, and will not transmit any other type of "data". Transmission duration will not exceed 250 milliseconds.

Based on the response letter (Control number 950524A, attached) from your office regarding a very similar device, I plan on designing the transmitter to comply with the periodic transmission requirements, field strength requirements, and bandwidth limits of Sections 15.231(a)-(c).

The carrier frequency will be crystal controlled, and will operate on one of 16 possible (DIP switch selectable) channels in the 425 to 430 MHz band. The modulation will be narrowband FSK, ± 3 KHz peak deviation.

Please respond with any comments or questions.

Sincerely,

Stanley T. Zubiel

RESPONSE LETTER REFERENCED:

Control number : 950524A
Date of letter : 5/24/95
Reply date : 5/26/95
Company name : Quantum Research Int'l
Address 1 : 991 Discovery Dr
Address 2 :
City : Huntsville
State : AL
Zip : 35806
Country : United States
Attn : Brian R. Dotson
Subjects : Remote control scoreboard

Rule parts : 15.231
Keywords : Remote control
Remarks :
Text of reply :

Dear Mr. Dotson,

This is in response to your inquiry regarding a remote controlled scoreboard/sign system consisting of a 418 MHz transmitter and an associated receiver/effector box.

As described in your fax, the control transmitter will employ up to 48 momentary contact switches for the selection and transmission of fixed identification/control codes, and it will not transmit any other type of "data." You also state that the transmitter will be designed to comply with the periodic transmission requirements, field strength requirements, and bandwidth limits of Sections 15.231(a)-(c).

Based on the above, it appears that the equipment design you have described is suitable for equipment authorization. The control transmitter will require certification and the receiver will require either certification (if superregenerative) or notification (if superheterodyne). The transmitter and receiver units will require separate FCC ID numbers and separate applications with appropriate fees, test reports, and supporting documentation.

We will be mailing you a general information package with FCC application forms, bulletins, and other information which will be useful in the preparation of the necessary applications.

I trust that this has satisfactorily responded to your inquiry. If you have any additional questions, please do not hesitate to contact me.