



28th November 2001

Mr. Stan Lyles
Authorization & Evaluation Division
Federal Communications Commission Laboratory
7435 Oakland Mills Road
Columbia, MD 21046

Re: Form 731 Confirmation Number: EA102370 with FCC ID: AZ492FT4847.

Dear Mr. Lyles;

Motorola Inc., 8000 West Sunrise Boulevard, Fort Lauderdale, Florida 33322, herein submits its response to the 31st October 2001 request for information in Correspondence Number 21101.

- Q1) The Modulation Limiting plots you have submitted, pages 6B-3 and 6B-4 of test report, are not acceptable. Please send plots showing the transmitter deviation as a function of input level for several different modulating tones - per Section 2.1047(b).
- R1) Transmitter deviation is presented as a function of modulation frequency in the plots in 6B-3 (Modulation Limiting versus Frequency). In those graphs, the modulating tone is swept from 100 Hz to 10 kHz. The frequency from 6B-3 which causes the greatest deviation (in this case, a 1 kHz audio tone) is used as the modulating tone in 6B-4, in which the audio input level is swept. Since other audio frequencies would generate lower deviation levels (as shown in 6B-3), the graphs in 6B-4 illustrate Modulation versus Audio Level results for the worst-case input frequency.
- Q2) Strong and specific justification for certification of this unit under CFR 47 parts 22 and 74.
- R2) Certification is requested for the PDR 3500 as an Emergency Broadcast Transmitter under CFR 47 part 74.21(a). Being transportable in nature, this unit may, in situations of emergency, be deployed in place of damaged or destroyed communications equipment, or in addition to existing equipment. In such a situation, the station would be used to provide or augment communications necessary for coordinating emergency rescue, relief, and/or law enforcement operations.
- Motorola Inc. hereby withdraws its request for the certification of the PDR 3500 unit as a mobile transmitter under CFR 47 part 22.
- Q3) FYI: Pages 6C-1, 6C-2, 6C-3, 6C-4, and 6C5 of test report under occupied bandwidth high power shows 30.0 W and your data plots shows carrier power 25.0 W. Please clarify in the future.
- R3) This error will be corrected in the future. The high-power Occupied Bandwidth tests were, in fact, run at 25 Watt.

Contact me at (954) 723-5793 if you require any additional information.

Regards,
/s/ Mike Ramnath
FCC Liaison
Email: mike.ramnath@motorola.com