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October 20, 1995

10/20/95

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FEDERAL COMMUNICATIONS COMMISSION
WASHINGTON, D.C. 20541

William F. Caton
Acting Secretary
Federal Communications Commission
Room 222
1919 M Street, N.W.
Washington D.C. 20054

In Re: **Ex Parte Presentation in PR Docket No. 92-235 (Replacement of Part 90 by Part 88 to Revise the Private Land Mobile Radio Services)**

Dear Mr. Caton:

On October 19, 1995, representatives from Motorola, Inc. met with Ron Netro, Ed Jacobs, Jay Jackson and D'Wanda Speight of the Wireless Telecommunications Bureau to discuss technical issues associated with the above captioned proceeding. Joining myself were Al Davidson and Al Wieczorek from Motorola, Inc. The attached documents were distributed during the meeting and should be included in PR Docket No. 92-235.

As shown in the attachments, our meeting focused solely on the technical ramifications of modifying the 800 MHz emissions mask currently being considered in the 800 MHz SMR proceeding PR Docket No. 93-144. The Commission's proposals in that proceeding are interrelated with its actions in the above captioned reforming proceeding. We therefore are filing this notice in both docket files.

Please call me at (202) 429-7338 should you have any questions on this matter.

Sincerely,



Michael A. Lewis
Engineering Policy Advisor
Wiley, Rein & Fielding
Counsel to Motorola, Inc.

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EX PARTE PRESENTATION

PR DOCKET NO. 93-144

**MOTOROLA, INC. AND WIRELESS
TELECOMMUNICATIONS BUREAU**

October 19, 1995

EMISSIONS MASK ISSUES

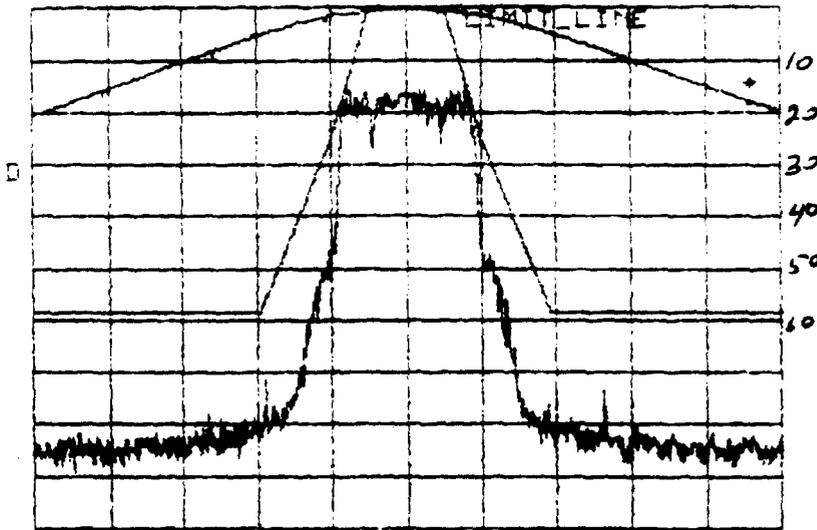
As part of its decision in the wide area SMR proceeding, the FCC should retain its existing 800 MHz emissions mask in order to ensure adequate interference protection to incumbent SMR operations:

- The existing mask provides acceptable adjacent channel protection.
- The Refarming proceeding inadvertently(?) changed the measurement and instrumentation policies for 800 MHz emissions.
- Coupled with the actions taken in the Refarming proceeding, use of a brick wall emissions mask or a hybrid mask will exacerbate interference levels to adjacent channel operations.
- In a wide area SMR environment, retention of the existing mask will not negatively impact the ability of manufacturers to develop new and advanced technologies.
- The integrity of the 800 MHz band must be maintained and incumbents deserve protection at existing levels.

2

ATTEN 30dB
RL 10 4dBm

10dB



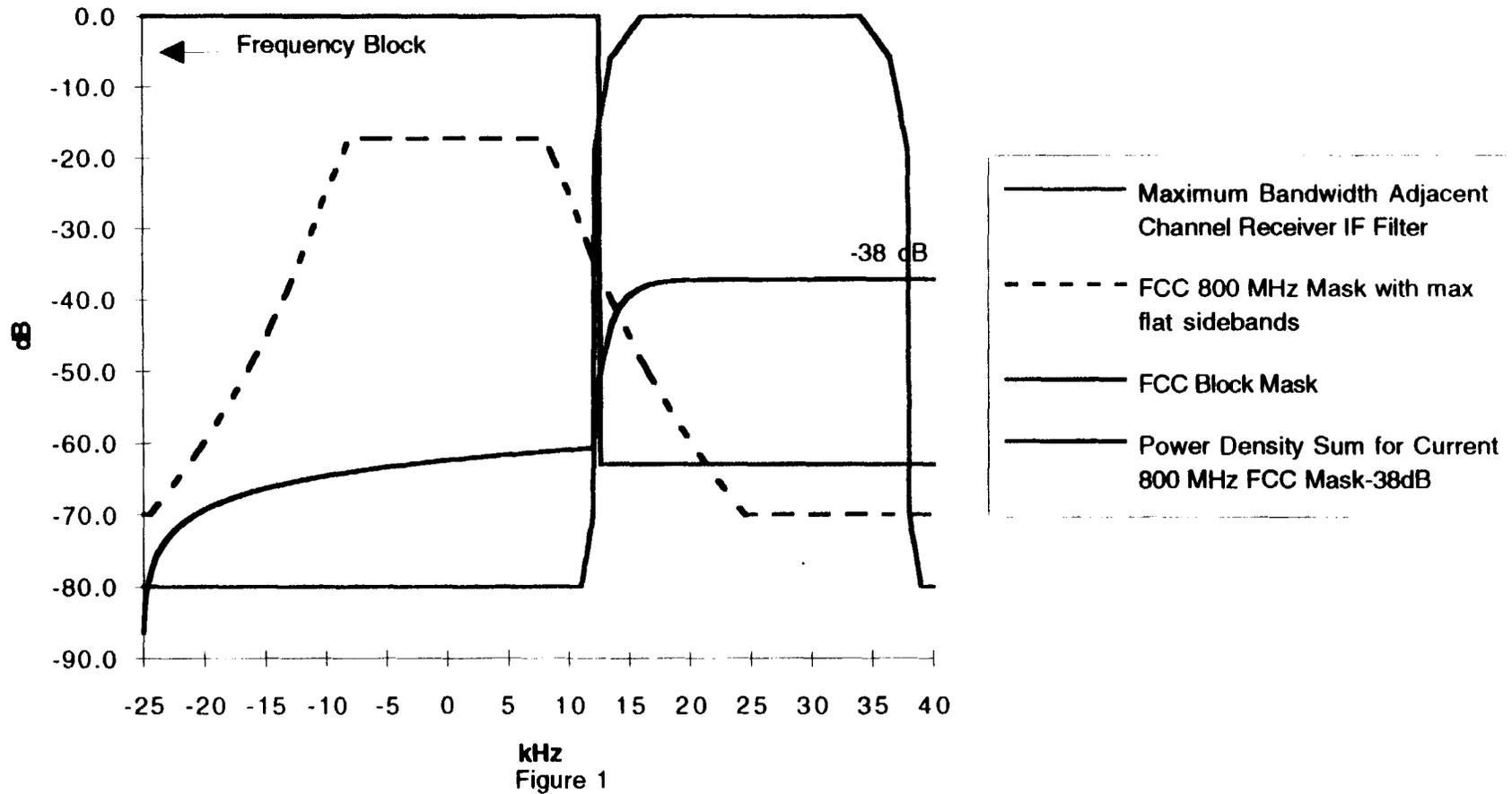
CENTER 813 5125MHz SPAN 100 0kHz
*RBW 300Hz *VBW 3 0kHz *SWF 52 0sec

Peak Detect , Original FCC Mask

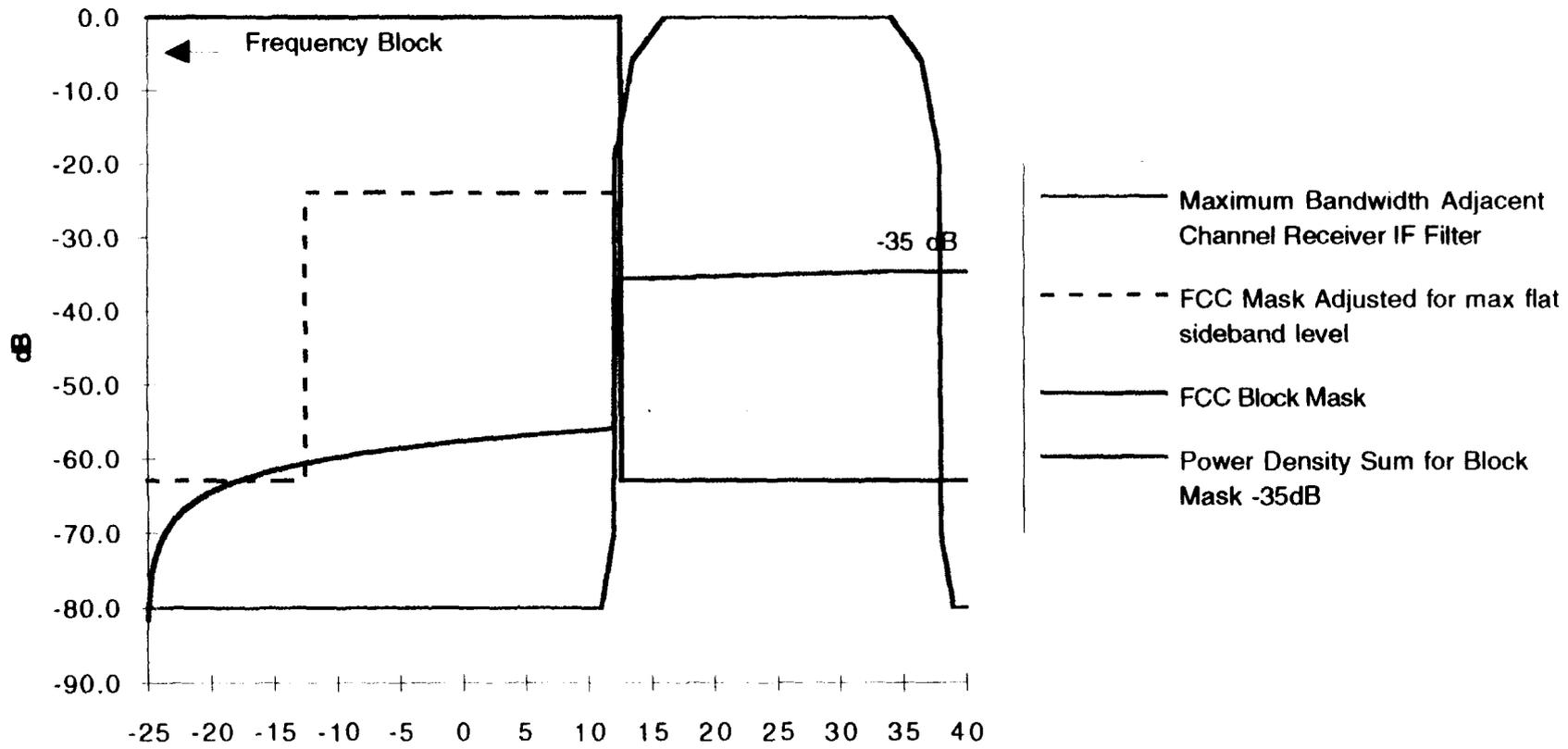
Pla,002J 10/18/95

train 1/100 , EWC , 13.8V

**Mask Peak Power Density Summation Curve
Current FCC 800 MHz Mask - 300 Hz Res BW**

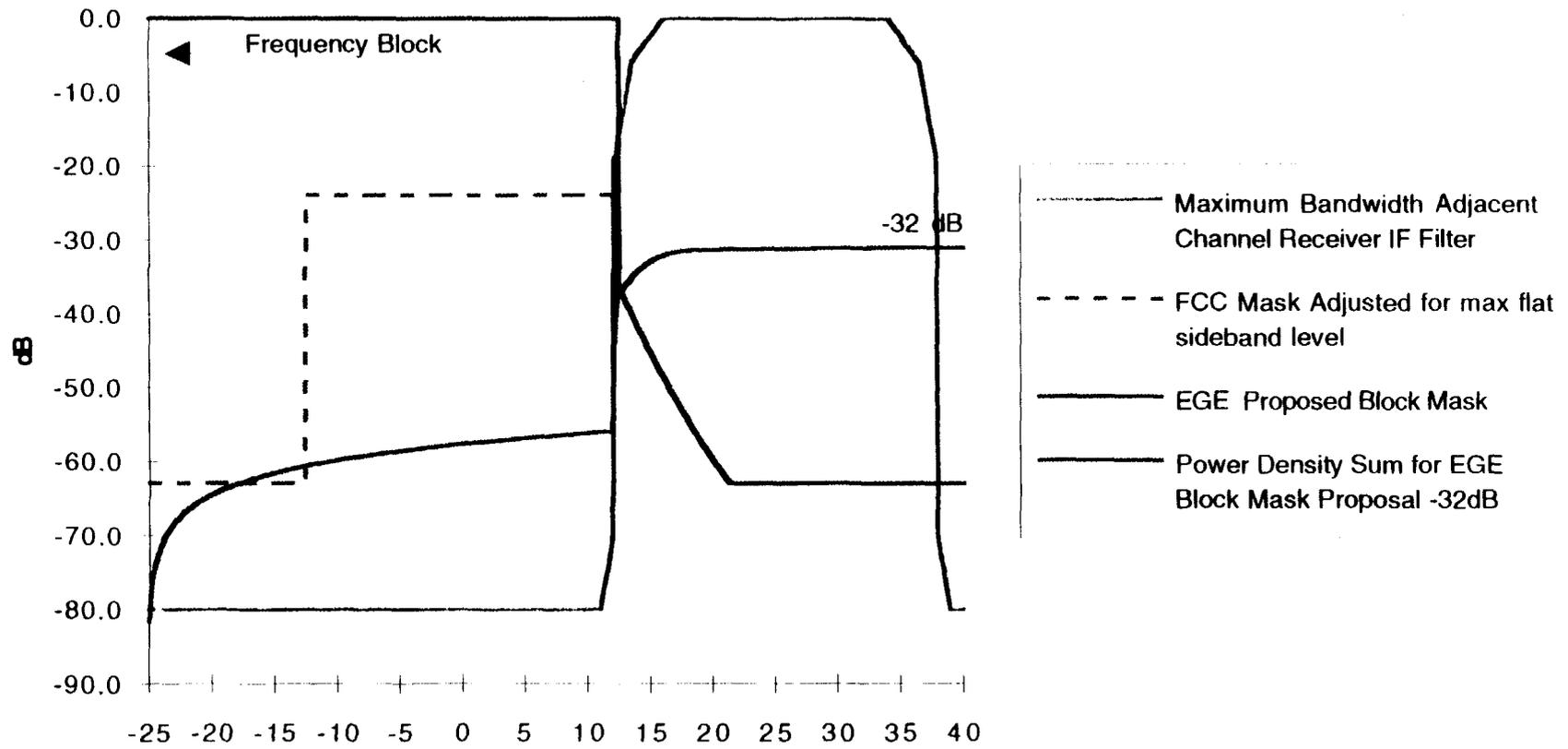


**Mask Peak Power Density Summation Curve
FCC Proposed Block Mask - 100 Hz Res BW**



kHz
Figure 2

**Mask Peak Power Density Summation Curve
EGE Proposed Block Mask - 100 Hz Res BW**



kHz
Figure 3