

ORIGINAL ORIGINAL
FILE

Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

In the Matter of:)
)
DIAL PAGE, INC.)
MOBILE TELECOMMUNICATION)
TECHNOLOGIES CORPORATION)
PACTEL PAGING)
PACTEL PAGING)
PAGEMART, INC.)
)

ET Docket No. 92-100
RM-7977
RM-7978
RM-7979
RM-7860
RM-7980

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

**COMMENTS OF MOBILE TELECOMMUNICATION
TECHNOLOGIES CORPORATION**

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**MOBILE TELECOMMUNICATION
TECHNOLOGIES CORPORATION**

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SUMMARY

During the past year, the Commission has received numerous petitions proposing to utilize 930-931 MHz frequencies for a wide variety of new messaging services. Mtel, for example, has requested that three 50 kHz channels be made available for a new Nationwide Wireless Network ("NWN") service. Others have suggested a range of additional offerings that include two-way data, acknowledgement paging, advanced architecture paging, facsimile, and wireless network access capabilities.

In response to the industry's broad based interest in the 930-931 MHz band, the Office of Engineering and Technology ("OET") has invited public comment on several of these proposals as well as their related pioneer preference requests. Mtel believes that the pending petitions and the ensuing comments will provide a sound basis for promptly issuing a Notice of Proposed Rulemaking. In such respects, Mtel's NWN submission sets forth detailed proposed rules that could provide a sound foundation for the creation and licensing of new advanced technology messaging services.

In order to ensure efficient and technologically advanced uses of the 930-931 MHz band, Mtel suggests that several principles should govern the Commission's response to the various claims for spectrum. First, the proposed services should employ next generation messaging capabilities rather than simply replicating existing paging operations. Second, the proposed services should contemplate a highly efficient use of spectrum to maximize the

within the context of the general principles outlined above, Mtel believes that the following specific regulatory approaches should be pursued in adopting licensing and service rules to govern offerings in the 930-931 MHz band:

- Spectrally efficient services should be given licensing preferences over other proposals.
- Services should be provided on a competitive basis with multiple service providers.
- Services should add functionality to available services.
- AMS licensees should be permitted to self-designate their regulatory status as private carriers or common carriers.
- Maximum power limitations of 3,500 watts per base transmitter and 7 watts per mobile transmitter are appropriate.
- Emission masks should limit total out-of-band emissions, but may be tailored to the various power levels ultimately authorized.
- Strict anti-speculation and anti-trafficking rules must be adopted and enforced.
- Licensing procedures should favor highly qualified and experienced applicants rather than relying on the random selection of lotteries.

Mtel has tailored its rules, originally included as Appendix C to its NWN petition, to effectuate these objectives within the broader AMS context. These proposed rules have been attached as Exhibit A for the Commission's consideration.

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**COMMENTS OF MOBILE TELECOMMUNICATION
TECHNOLOGIES CORPORATION**

Mobile Telecommunication Technologies Corporation ("Mtel"), by its attorneys,
hereby submits its comments on the above-captioned petitions for rulemaking to establish
advanced messaging services ("AMS") in the 930-931 MHz band.¹ As detailed below, Mtel
believes that these requests provide a sound basis for promptly issuing a Notice of Proposed
Rulemaking to establish AMS rules and policies. In particular, the Commission should adopt

¹ Petitions for Rule Making Filed, *Public Notice*, Mimeo No. 22912 (April 30, 1992). See also *Dial Page, Inc. Petition for Rulemaking for Amendment of the Table of Frequency Allocations and Part 22 of the Rules Relative to the Allocation of Reserve Spectrum for a Common Carrier Acknowledgement Paging Service*, RM-7977 (filed October 11, 1991) ["Dial Page APS Petition"]; *Mobile Telecommunication Technologies Corporation Petition for Rulemaking to Allocate 150 kHz in the 930-931 MHz Band and To Establish Rules and Policies for a New Nationwide Wireless Network (NWN) Service*, RM-7978 (filed November 12, 1991) ["Mtel

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