

Applicant: IP Mobilenet Inc  
Correspondence Reference Number: 18600  
731 Confirmation Number: TC498074  
Date of Original Email: 03/21/2005

Subject: Info Request

1. Please provide clarification as to which channel and type of channel this equipment can operate on: -General Use channels (Narrowband OR wideband?) -State License channels (Narrowband) -Interoperability Channels (Narrowband OR wideband?) -Low power channels (Narrowband) - Data Only, Voice only, Both?

Response:

The M64700G25 is a data only mobile radio operating between 794 and 804 on the following channels:

- A. Narrowband state channels per section 90.531 paragraph b5.
- B. Narrowband general use channels per section 90.531 paragraph b6.
- C. Narrowband interoperability channels per section 90.531 paragraph b6.

2. Please provide a statement of data rate or bandwidth efficiency compliance as required by Section 90.535.

Response:

The data rate of the radio is variable between 7.8 and 16 kbps per 6.25 kHz channel bandwidth.

3. Please provide 12.5kHz ACCP measurements to indicate compliance with the Data Interoperability Channel capability, as required by Section 90.543. (Required if the radio operates on general use channels or state licensed channels.)

Response:

Please see the amended test report M64700G25 showing full compliance to 12.5 KHz bandwidth operation

4. Please provide a statement pertaining to Data Interoperability Channel compliance to the ANSI/TIA/EIA-102 standards, as required in Section 90.548.

Response:

The radio fully meets the requirements of Section 90.548, including compliance with ANSI/TIA/EIA-102. The radio is software controlled and digital signal processor based. The M64700G25 contains a P25 operating mode which meets the 12.5 KHz P25 technical standard stated in Section 90.548

5. The Test Report indicates operation on the narrowband Low Power channels and the Wideband General Use channels. Please confirm.

Response:

As stated in question one, the M64700G25 is a data only mobile radio operating between 794 and 804 on the following channels:

- A. Narrowband state channels per section 90.531 paragraph b5.
- B. Narrowband general use channels per section 90.531 paragraph b6.
- C. Narrowband interoperability channels per section 90.531 paragraph b6.

It is not intended for use on the Low Power or the Wideband General Use channels.

6. The Test Report indicates a single emission and 25 watt power specified for 794 - 806MHz. If equipment operates on all channels, then multiple emissions and multiple RF power levels would be required. Please clarify.

Response:

As stated in question one, the M64700G25 is a data only mobile radio operating between 794 and 804 on the following channels:

- A. Narrowband state channels per section 90.531 paragraph b5.
- B. Narrowband general use channels per section 90.531 paragraph b6.
- C. Narrowband interoperability channels per section 90.531 paragraph b6.

25 watts is the maximum power allowable for use in these sections.

7. While the application only indicates data operation, the User Manual indicates the M64700-25 IP mobile has a voice capability option. Voice capability requires the mobile to meet the voice path requirements of the 700MHz rules. Two voice paths must be supported with a 25kHz

product: The mobile was submitted using 25kHz ACP values, no other bandwidth. Spectrum efficiency rules require one voice path per 12.5kHz channel bandwidth. Please explain.

Response:

As stated in question one, the M64700G25 is a data only mobile radio. The radio has no voice option at this time. The user manual has been updated.

8. Interoperability compliance is required with mobile voice operation on the General Use and State License channels:

Must be capable of operating on the 12.5kHz voice Interoperability Channels. Must comply with the ANSI/TIA/EIA-102 Standards for the Interoperability Channel. Please explain.

Response:

As stated in question one, the M64700G25 is a data only mobile radio. The radio has no voice option at this time.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal pursuant to Section 2.917(c).