

To: Tom Bishop, null
From: Joe Dichoso
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FCC Application Processing Branch

Re: FCC ID MMA75785
Applicant: Midland Consumer
Radio
Correspondence Reference Number: 14230
731 Confirmation Number: EA97405
Date of Original E-Mail: 05/25/2000

Please place your reply in the RF exposure info folder.

Midland Consumer Radio, EA 97405 -

1. Although hand-held, push-to-talk device are categorically excluded from routine RF exposure evaluation for demonstrating SAR compliance, they are not exempted from compliance. Because of the relatively higher output available for this device, additional information is needed to determine if SAR compliance can be assured or if a request for RF exposure evaluation under the provisions of 1.1307(d) would be necessary. Please provide the following information, if applicable, for determining if a request for SAR evaluation is necessary -

(a) the type and number of antenna(s) to be used for this device and relevant information, such operating instructions and certain caution statements, provided to users for ensuring SAR compliance

No more than two types of rubber covered helically wound antenna

(b) maximum antenna gain and physical length of antenna(s) indicated in (a)

The maximum expected gain is -20dBd from an antenna no more than 11 inches long

(c) can this device sustain continuous operation with respect to its hardware capabilities and allowable operating functions ?

The transmitter can maintain only a 20% duty cycle without overheating, causing damage to circuit elements.

(d) are there any other hardware or operating restrictions that could limit a person's RF exposure ?

No.

(e) is source-based time-averaging (see 2.1093 of rules) applicable to reduce the average output power ?

No.

(f) this device has headset and belt-clip accessories that would allow body-worn operations, what is the minimum separation distance between any part of the antenna(s) and the user's body in this operating configuration ?

One inch.

(g) can specific operating instructions be given to users to eliminate any potential RF exposure concerns for both front-of-the-face and body-worn operating configurations ?

Yes

(h) any other applicable information the applicant may provide that can serve as effective means for ensuring RF exposure compliance.

The maximum power output drops to 3 Watts on new alkaline batteries or 2 watts on rechargeable batteries from the rated 4 Watts.