25 September, 2000

Mr. Frank Coperich
FCC Application Processing Branch

Re: Questions from the FCC

FCC ID: O3JF2NRM6832C1
Correspondence Reference Number: 15626
731 Confirmation Number EA98231
Date of Original E-Mail: 08/15/2000

Dear Mr. Coperich:

Pursuant to your e-mail to our Jay Sarkar, I am forwarding to you our responses. The relevant portions of the FCC's e-mail follow with our responses inserted in the appropriate place:

> Sent: Tuesday, August 15, 2000 3:13 PM
> To: Jayanta (Jay) Sarkar, j.sarkar@aprel.com
> APREL Laboratories
> From: Frank Coperich, fcoperic@fcc.gov
> FCC Application Processing Branch
> Re: FCC ID O3JF2NRM6832C1
> Applicant: MIST Inc.
> Correspondence Reference Number: 15626
> 731 Confirmation Number: EA98231
> Date of Original E-Mail: 08/15/2000
>
> 1. The users manual describes "Belt-Clip and Belt-Knob" accessories. Please clarify the
> operating configurations and if a minimum separation distance of 3.3 cm can be provided by
> such accessories for body-worn use, as tested for SAR compliance.

MIST Inc. has decided not to offer the "Belt-Clip and Belt-Knob" accessories to customers. Consequently, the User Manual has been updated by removing these accessories from page 21.

> 2. SAR report indicates a maximum output of 600 mW but EMC results reported maximum
> conducted output as 398 mW; please clarify.

The mentioned 600 mW was not measured during the SAR measurements since this product does not have an externally accessible RF feedpoint. Our understanding is that the design specification for

the maximum power was 28dBm +2dB/-4dB – where 28dBm corresponds to 600mW. That is why we call it the "maximum nominal power level".

The 398mW conducted power reported in other parts of the submission was measured prior to the ERP measurement and was obtained by partially disassembling the device and attaching the adapter cable shown in the following figure directly to the modem's RF output. It was not feasible to perform this measurement before and after each SAR scan so relative radiated power measurements were performed instead. We no longer carry out this conducted power measurement on devices which do not have an easily accessible RF feedpoint.

Figure 1 MMCX to SMA adapter cable for modem

I trust that the above will answer your inquiries to those. If not, feel free to contact me.

Regards,

Paul G. Cardinal, Ph.D.
Director, Laboratory Operations