

## Response to TCB questions

> -----Original Message-----

> From: Certification Manager [[SMTP:certification@curtis-straus.com](mailto:SMTP:certification@curtis-straus.com)]

> Sent: Monday, October 16, 2000 3:07 PM

> To: Tom Tidwell

> Subject: Nera Telecommunications FCC ID: PAMBSHDT

>

> Dear Mr Tidwell,

>

> Thank you for the application for certification for the Nera

> Telecommunications base station transceiver. The following points need

> to be addressed:

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> 1. Please confirm that the antenna is to be installed greater 2 meters  
> from people. This statement is required as TCBs, under the FCC rules,  
> are unable to process applications that have fix-mounted antennas that  
> are installed with a separating distance of less than 2 meters. We have  
> continued with the assessment on the assumption that the antenna is  
> mounted greater than 2 meters from people.

[Tom Tidwell] The antenna is intended to be mounted at a distance  
greater than 2 meters. I have attached a revised installation manual with  
the suggested warning statement.

> <<Base Station Installation.pdf>>

> 2. Please clarify what is to be confidential as the base schematic files  
> are separate from the V2K circuit description.

[Tom Tidwell] The files intended to be kept confidential are listed  
separately in the revised request for confidentiality attached here.

> <<requestforconfidentialitybshdt.PDF>>

>

> 3. The test report does not address 15.31(e) compliance. Please  
> provide evidence of compliance with the requirements of 15.31(e).

[Tom Tidwell] The supply voltage was varied +/- 15% from nominal to  
determine the worst-case condition for fundamental rf power output. No  
change in rf output power was noted.

> 5. We need a technical description that covers the system used to  
> generate the spread spectrum signal. Such a description must include a  
> theoretical derivation of processing gain. We will also be expecting to  
> see sufficient detail in the technical description to support the claim  
> that the unit is a direct sequence spread spectrum device. The operation  
> description (V2K circuit description) supplied does not appear to cover  
> the HDT unit.

[Tom Tidwell] The radio circuitry is the same in both the base and  
the remote unit. The description supplied is an adequate for both units.  
The description of the spread spectrum technique used in the system is  
described in the file attached here.

<<processinggain.pdf>>

> 6. Please provide a statement that the label will be permanently affixed  
> to the device and details of the label material.

[Tom Tidwell] The label is of polyester and is printed with

permanent, indelible ink and is mounted with permanent adhesive. The label is expected to last the lifetime of the product.

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> --

> Barry C. Quinlan

> Certification Manager

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