

Response to TCB questions

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

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

> Sent: Monday, October 16, 2000 3:34 PM

> To: Tom Tidwell

> Subject: Nera Telecommunications FCC ID: PAMRUCPI

>

> Dear Mr Tidwell,

>

> Thank you for the application for certification for the Nera

> Telecommunications base station transceiver. [Tom Tidwell] (I assume you

> intend the Remote Unit) The following points need

> to be addressed:

>

> 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. The installation manual needs
> to include an "IMPORTANT NOTE" regarding antenna/person separation
> distance. An example is - "IMPORTANT NOTE: To comply with FCC RF
> exposure compliance requirements, the following antenna installation and
> device operating configurations must be satisfied - the antenna shall be
> mounted to ensure a person/antenna separation distance of a least 2
> meters. Please supply a modified installation manual.

[Tom Tidwell] The antenna is intended for mounting in locations
that will maintain a separation distance of more than 2 meters. Please find
the revised installation manual with the suggested warning statement
attached here. The warning statement can be found on page 7 of 9.

> <<Customer Premise Installation.pdf>>

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> 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.
<<requestforconfidentialityrucpi.PDF>>

> 3. The test report does not appear to 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.

> 4. 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.

[Tom Tidwell] The description of the spread spectrum technique used

in the system is described in the file attached here.
<<processinggain.pdf>>

> 5. Confirm that the LISN used was 50Ohms/50uH.

[Tom Tidwell] The LISN used was a 50 ohm/50 uHenry, ANSI C63.4 compliant LISN.

> 6. Confirm that the radiated emissions measurements examined restricted
> band compliance from 30MHz to the tenth harmonic. We observe no data
> below 2483.5 MHz.

[Tom Tidwell] There were no emissions detected from the transmitter below the fundamental emission frequency. The spectrum was searched from 30 MHz up to 25 GHz.

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