*Responses to e-mail questions from Joe Dichoso of the FCC.*

***Original e-mail***

**From:** oetech@fccsun34w.fcc.gov [SMTP:oetech@fccsun34w.fcc.gov]
**Sent:** Thursday, June 20, 2002 4:09 PM
**To:** rhicks@transcept.com
**Subject:**

To: Ross Hicks, Transcept, Inc.
From: Joe Dichoso
jdichoso@fcc.gov
FCC Application Processing Branch

Re: FCC ID OOJOPENCELLV1-1
Applicant: Transcept, Inc.
Correspondence Reference Number: 23187
731 Confirmation Number: EA288041

1) What was the input level of the signals to this amplifier? What it at the maximum input for all tests?
What is the maximu gain?

2) Tests were performed only with multiple signals of the same modulation. Will this be the only case? Will the device be designed for simultaneous transmission of different modulation types? Additional review will commence once this is clarified?

***Transcept Response***

***Question 1a***

*What was the input level of the signals to the amplifier?*

**Answer 1a**

The input levels to the Power Amplifier (PA) were not measured during the test. At room temperature, the gain of the PA is 57 dB (+/-0.5 dB). The PA outputs were tested 0.5 dB higher than our specified output levels to account for variations in PA gain.

***Question 1b***

*Was it at the maximum input for all tests?*

**Answer 1b**

Yes. The PA was at the maximum input level for all tests.

***Question 1c***

*What is the maximum gain?*

**Answer (1c)**

The maximum gain of the PA is 57.5 dB.

***Question 2a***

*Tests were performed only with multiple signals of the same modulation. Will this be the only case?*

**Answer 2a**

Any given PA will transmit only one modulation type.

***Question 2b***

*Will the device be designed for simultaneous transmission of different modulation types?*

**Answer 2b**

A RAN can have up to three PA outputs combined onto one RAN output port via the triplexer or quadplexer (passive devices). Each PA can have a different modulation type. Therefore, a single RAN output port will transmit different modulation types.

The testing performed where multiple PAs where combined to a single RAN output port used TDMA signals. The intermod performance of the PA is worst case using narrowband signals, thus the reason for using TDMA signals.

Respectfully submitted,

Thomas G. Hebert
Transcept, Inc