

*Responses to e-mail questions from Joe Dichoso of the FCC dated 7/25/02.*

**Original e-mail**

-----Original Message-----

**From:** oetech@fccsun34w.fcc.gov [SMTP:oetech@fccsun34w.fcc.gov]  
**Sent:** Thursday, July 25, 2002 2:29 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: 23444  
731 Confirmation Number: EA288041

Please explain/correct the discrepancy between the output power measured in Section 7.5 in the test report and the requested output power of 13.8 W in the PCS Band, 3.9 W in the Cellular band and 3.9 W in the SMR band.

**Transcept Response**

**Question 1**

*Please explain/correct the discrepancy between the output power measured in Section 7.5 in the test report and the requested output power of 13.8 W in the PCS Band, 3.9 W in the Cellular band and 3.9 W in the SMR band.*

**Answer 1**

The requested output power levels should have been rated on a per Emission Designator basis. Therefore, for Item 13 in Form 731 the following changes are required:

Frequency Range in MHz	Rated RF Power Output in watts	Emission Designator
1931.250 1988.750	10.2 – See note 2.	1M23G7W
1930.200 1989.800	13.5 – See note 2.	271KG7W
1930.020 1989.980	12.0 – See note 2.	24K3G7W
869.750 893.800	2.7 – See note 3.	1M23G7W
869.200	3.5 – See note 3.	271KG7W

893.800		
869.020	3.2 – See note 3.	24K3G7W
893.980		
855.0125	3.2 – See note 3.	18K0D7W
865.9875		

#### **Explanatory Notes**

1. The above "**Rated RF Power Output in Watts**" numbers are the power levels at the appropriate port for each Emission Designator, for which we are seeking FCC certification. The measured data in Table 7-5 is greater than these values to allow for margin in performance.
2. For the PCS band, the Rated RF Power Output in Watts (shown above) is three times the "per-tenant" power shown in Table 7-5. See Section 3.5.3 and Figure 3-6 in Exhibit 3 for the power combining circuitry. PCS blocks A/B/F are combined to output at the PCS-P port. PCS blocks D/E/C are combined to output at the PCS-D port. There is one tenant per PCS block in an OpenCell system.
3. For the Cellular and SMR bands, the Rated RF Power Output in Watts (shown above) is equal to the "per-tenant" power shown in Table 7-5. See Section 3.5.3 and Figure 3-7 in Exhibit 3. Cellular blocks A"/A'/A are treated as one tenant and output at the Cell/SMR-P port. An SMR tenant and a Cellular block B/B' tenant are combined to output at the Cell/SMR-D port.
4. The data in Table 7-3 shows the maximum "measured" power that could be present at each of the four output ports (where multiple blocks are combined). The four output ports are PCS-P, PCS-D, Cell/SMR-P and Cell/SMR-D. As the text notes, less power may be present, depending on the number of tenants served and the specific mix of protocols used.
5. The data in Table 7-4 shows the maximum "measured" power **per block** as a function of frequency band (PCS, Cellular and SMR). As the text notes, less power may be present, depending on the specific mix of protocols used.

Respectfully submitted,

Thomas G. Hebert  
Transcept, Inc