

## RESPONSE TO QUESTIONS

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To: Dale Albright, EMC International, Inc.  
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From: Joe Dichoso  
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jdichoso@fcc.gov  
"  
FCC Application Processing Branch  
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"  
Re: FCC ID OSQ-PT100  
"  
Applicant: Precision Time Systems Inc.  
"  
Correspondence Reference Number: 12088  
"  
731 Confirmation Number: EA95970  
Date of Original E-Mail: 02/11/2000

1) What is the correct frequency of operation?

**ANSWER:** The radios can operate on one of four frequencies: 906 MHz, 912 MHz, 918 MHz, or 924 MHz. The radio was set to 906 MHz for testing.

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2) You requested .3 Watts but only .106 mW was measured. Please correct/explain.

**ANSWER:** The output power was measured at -9.75 dBm. Please change the request to .100 mW.

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3) Photo of the RF board with shield removed.

**ANSWER:** File attached (ShieldRemoved.jpg).

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4) Schematic, block diagram and theory of operation.

**ANSWER:** This information was provided by the manufacture of the radio, Proxim.

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5) confidential letter.  
**ANSWER:** File attached (Authorization.jpg).

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6) What is the theoretical process gain? Chip rate/Symbol rate. Also, what is the spread rate/ data rate.

**ANSWER:** The Theoretical Processing Gain is:  $PG = \text{Bandwidth} / \text{Data Rate}$ . The data rate is 121 kbps. The bandwidth is 1.8 MHz, so  $PG = 14.8$  (or 11.7 dB).

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7) Indicate compliance with the RF safety requirement, Section 15.247(b)4. Contact Kwok Chan at [Kchan@fcc.gov](mailto:Kchan@fcc.gov) for any questions.

**ANSWER:** File attached (StatementofCompliance.doc)

Dale Albright  
EMC International, Inc.