

RESPONSE TO QUESTIONS

To: Dale Albright, EMC International, Inc.

From: Joe Dichoso

jdichoso@fcc.gov

FCC Application Processing Branch

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.

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.

3) Photo of the RF board with shield removed.

ANSWER: File attached (ShieldRemoved.jpg).

4) Schematic, block diagram and theory of operation.

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

5) confidential letter.

ANSWER: File attached (Authorization.jpg).

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 for any questions.

ANSWER: File attached (StatementofCompliance.doc)

Dale Albright
EMC International, Inc.