

To:á KennetháPilcher, Pacific Bioscience Laboratories, Inc.

From:á KatieáHawkins

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FCC Equipment Authorization Branch

Applicant:á Pacific Bioscience Laboratories, Inc.

FCC ID:á SD2MK3PLUS

Form 731 Confirmation Number: EA326235

Date of Original E-Mail: 12/28/2007

Correspondence Reference Number: 34578

1). Please provide values for components on schematic for which none is shown.

**PLEASE SEE ATTACHED BILL OF MATERIALS SENT THROUGH OET
FILING WEB SITE**

2). Please supply an operational description of the frequency determining circuitry. Be sure to explain how the frequencies on Form 731 (176 MHz- 4,000,000 MHz) are derived.

TWO PRINCIPAL FREQUENCIES ARE USED IN THE DEVICE:

- 1. MICROPROCESSOR CLOCK = 4.9152 MHz**
- 2. MOTOR DRIVE SIGNAL = 176 Hz**

**BOTH FREQUECIES ARE DERIVED FROM THE MICROPROCESSOR
CLOCK OSCILLATOR. THE FREQUENCY OF THIS OSCILLATOR IS
DETERMINED BY THE CHARACTERISITICS OF THE MICROPROCESSOR
OSCILLATOR CIRCUIT AND BY COMPONENT “X1”, A 4.9152 MHz
CERAMIC RESONATOR:**

Specification

Global Part Number	CSTCR4M91G53-R0
Previous Part Number	
Nominal Frequency	4.915MHz
Initial Tolerance	±0.5%
Temp. Stability	±0.2%
Temperature Range	-20 to +80°C
Wash	Not Available
Ultrasonic Wash	Not Available
Built-in Load Capacitance	15pF
Use	For consumer electronics