

**CERTIFICATION TEST REPORT ADDENDUM TO FC00-040**

**FOR THE**

**WIRELESS CABLE MODEM TRANSCEIVER,  
520006-1 & 520006-2**

**FCC PART 2 AND PART 27  
COMPLIANCE**

**DATE OF ISSUE: JULY 31, 2000**

**PREPARED FOR:**

California Amplifier, Inc.  
460 Calle San Pablo  
Camarillo, CA 93012

P.O. No: 21262  
W.O. No: 73952

**Report No: FC00-040A**

**DOCUMENTATION CONTROL:**

---

Tracy Phillips  
Documentation Control Supervisor  
CKC Laboratories, Inc.

**PREPARED BY:**

Joyce Walker  
reports@ckc.com  
CKC Laboratories, Inc.  
5473A Clouds Rest  
Mariposa, CA 95338

Date of test: March 16-17, 2000

**APPROVED BY:**

*Dennis Ward*

---

Dennis Ward  
Director of Laboratories  
CKC Laboratories, Inc.

This report contains a total of 5 pages and may be reproduced in full only. Partial reproduction may only be done with the written consent of CKC Laboratories, Inc.

**TABLE OF CONTENTS FOR  
PART 2 AND PART 27 CERTIFICATION TEST REPORT**

Administrative Information .....3

2.1033(c)(14)/2.1046/27.50(a) - RF Power Output.....4

## ADMINISTRATIVE INFORMATION

**DATE OF TEST:** March 16-17, 2000

**PURPOSE OF TEST:** To demonstrate the compliance of the Wireless Cable Modem Transceiver, 520006-1 & 520006-2, with the requirements for FCC Part 2 and Part 27 devices. Addendum is to show corrected test data sheets for 67b RF Power Output requirements.

**MANUFACTURER:** California Amplifier, Inc.  
460 Calle San Pablo  
Camarillo, CA 93012

**REPRESENTATIVE:** Carlos Briceno

**TEST LOCATION:** CKC Laboratories, Inc.  
5473A Clouds Rest, Mariposa, CA 95338

**TEST PERSONNEL:** Skip Doyle

**TEST METHOD:** FCC Part 2 and 27

**FREQUENCY RANGE TESTED:** 30 MHz – 23.14 GHz

**EQUIPMENT UNDER TEST:**

**Wireless Cable Modem Transceiver w/  
24 dBi Antenna**

Manuf: California Amplifier, Inc.  
Model: 520006-1  
Serial: 0010000021  
Antenna P/N: 130094/130135  
FCC ID: J26520006 (Pending)

**Wireless Cable Modem Transceiver w/  
17 dBi Antenna**

Manuf: California Amplifier, Inc.  
Model: 520006-2  
Serial:  
Antenna P/N: 560000  
FCC ID: J26520006 (Pending)

**2.1033(c)(14)/2.1046/27.50(a) - RF POWER OUTPUT**

Test Location: 5473 Clouds Rest • • • Mariposa, CA 95338  
 Customer: **CALIFORNIA AMPLIFIER**  
 Specification: **FCC 2.1046/27.50(a)**  
 Work Order #: **73952** Date: 03/17/2000  
 Test Type: **RF Power Output** Time: 10:24:26  
 Equipment: **Integrated MDS-MMDS Transceiver** Sequence#: 3  
 Manufacturer: California Amplifier Tested By: Skip Doyle  
 Model: 520006-1  
 S/N: 0010000021

***Equipment Under Test (\* = EUT):***

Function	Manufacturer	Model #	S/N
Integrated MDS-MMDS Transceiver	California Amplifier	520006-1	0010000021
24 dBi Antenna	California Amplifier	130094/130135	7400033619

***Support Devices:***

Function	Manufacturer	Model #	S/N
Power Supply 22VDC 750mA	Unknown	71441	
Modem	Hybrid Networks	N231	82AAP001759
Laptop PC	Sony	PCG-717	28980430 3304916

***Test Conditions / Notes:***

EUT in located on the turntable and operating on Low Channel of 2308MHz and High Channel 2314MHz. Fundamental field strength on the OATS.

**Measurement Data:** Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	GHz Cable dB	Horn dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	2314.020M	105.4	+8.8	+29.3	0.0	143.5	170.0	-26.5	Vert
2	2307.980M	105.3	+8.8	+29.3	0.0	143.4	170.0	-26.6	Vert
3	2313.970M	103.1	+8.8	+29.3	0.0	141.2	170.0	-28.8	Horiz

Test Location: 5473 Clouds Rest • • • Mariposa, CA 95338  
 Customer: **CALIFORNIA AMPLIFIER**  
 Specification: **FCC 2.1046/27.50(a)**  
 Work Order #: **73952** Date: 03/17/2000  
 Test Type: **RF Power Output** Time: 10:38:34  
 Equipment: **Integrated WCS-MMDS Transceiver** Sequence#: 4  
 Manufacturer: California Amplifier Tested By: Skip Doyle  
 Model: 520006-2  
 S/N:

**Equipment Under Test (\* = EUT):**

Function	Manufacturer	Model #	S/N
Integrated WCS-MMDS Transceiver	California Amplifier	520006-1	0010000021
17 dBi Passive Planar Antenna	California Amplifier	560000	E0500000001

**Support Devices:**

Function	Manufacturer	Model #	S/N
Power Supply 22VDC 750mA	Unknown	71441	
Laptop PC	Sony	PCG-717	28980430 3304916
Modem	Hybrid Networks	N231	82AAP001759

**Test Conditions / Notes:**

EUT in located on the turntable and operating on Low Channel of 2308MHz and High Channel 2314MHz. Fundamental field strength on the OATS. **Note: The transmitter (520006-1) was not tested mounted inside the planar antenna (560000), as it is sold.**

**Measurement Data:** Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	GHz Cable dB	Horn dB	Dist Table dB	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	2308.050M	102.2	+8.8	+29.3	0.0	140.3	170.0	-29.7	Vert
2	2314.010M	101.4	+8.8	+29.3	0.0	139.5	170.0	-30.5	Vert