Exhibit 6. Report of measurements



ENGINEERING AND TEST DIVISION

CHURCH STREET, BOHEMIA, LONG ISLAND, NEW YORK 11716 (516) 589-6300

TEST REPORT NO.:

DTB01R97-1011

DAYTON T. BROWN, INC. JOB NO.:

409969-00-000

CUSTOMER:

CRESTRON ELECTRONICS, INC.

101 BROADWAY

CRESSKILL, NJ 07626

SUBJECT:

FCC CODE OF FEDERAL REGULATIONS, 47 CFR, PART 15, SUB-PART C TESTING PERFORMED ON ONE HAND-HELD WIRELESS MOUSE, MODEL NO. CN-WM, SERIAL NO. B50361

PURCHASE ORDER NO.: 87027

ATTENTION:

DATE

MR. PAUL DOMICIANO

THIS REPORT CONTAINS:

SIX PAGES AND FIVE ENCLOSURES

TEST ENGINEER

R. MONTICELLO

R. MONTICELLO

TEST OPERATIONS
MANAGER

S. BENZA

DEPARTMENT
MANAGER

DEPARTMENT
MANAGER

THE DATA CONTAINED IN THIS REPORT WAS OBTAINED BY TESTING IN COMPLIANCE WITH THE APPLICABLE TEST SPECIFICATION AS NOTED

12 JANUARY 1998



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1.0 ABSTRACT

This report details the results of the FCC Code of Federal Regulations, 47 CFR, Part 15, Sub-Part C testing on one Hand-Held Wireless Mouse, Model No. CN-WM, Serial No. B50361, manufactured by Crestron Electronics, Inc.

The Hand-Held Wireless Mouse was found to be in compliance with the radiated portions of the FCC Code of Federal Regulations, 47 CFR, Part 15, Sub-Part C, specification limits.

Detailed test results can be observed in Enclosures 2 and 3 of this report.

The test results recorded in this report relate only to those items tested.

This report shall not be reproduced, except in full, without the written approval of Dayton T. Brown, Inc.



2.0 REFERENCES

(a) Customer Purchase Order No.:

87027

(b) Dayton T. Brown, Inc. Job No.:

409969-00-000

(c) Test Specification:

Code of Federal Regulations, 47 CFR, Part 15, Sub-Part C

(d) Test Procedure:

American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz, ANSI C63.4-1992, dated

17 July 1992



3.0 ADMINISTRATIVE INFORMATION

Customer:

Crestron Electronics, Inc.

101 Broadway

Cresskill, NJ 07626

Manufacturer:

Crestron Electronics, Inc.

Test Item:

Hand-Held Wireless Mouse

Quantity Received:

One

Model No.:

CN-WM

Serial No.:

B50361

Test Start Date:

1 December 1997

Test Completion Date:

2 December 1997

Disposition of Test Item:

The test sample was returned to Crestron Electronics, Inc. on

2 December 1997.



4.0 TEST PROGRAM OUTLINE

Description of Test Method

Radiated Emission, Intentional Radiator, 30 MHz to 10 GHz

Occupied Bandwidth

Results

Met the specification requirements.

Met the specification requirements.



5.0 GENERAL TEST INFORMATION

Setup

For the radiated emission test in the frequency range of 30 to 1000 MHz, the test sample was set up in a climate controlled open field site that measures 44 feet long by 24 feet wide by 24 feet high.

For the radiated emission test in the frequency range of 1 to 10 GHz, the test sample was set up in an anechoic chamber that measures 30 feet wide by 32 feet long by 12 feet high.

Unit Operation:

Operational Mode Tested - Transmit Mode - The Hand-Held Wireless Mouse was transmitting at 433.92 MHz.



Enclosure 1

Test Equipment List





TEST	ITEM	MANUFACTURER	DTB NO.	EQUIPMENT CHARACTERISTIC	MODEL	SERIAL NO.	CALIBRATION DUE DATE
Rad Emis	BiLog Antenna	Chase-York	27-1	30 - 2000 MHz	CBL 6112	2055	4/12/98
Occupied Bandwidth	Double Ridge Guide Antenna	Electro-Mechanics	27-42	200 - 2000 MHz	3106	2318	7/26/98
Rad Emis	Double Ridge Guide Antenna	Electro-Mechanics Company	27-56	1.0 - 12.5 GHz	3105	2071	86/L/9
Rad Emis	Analyzer Interference	Electro-Metrics	65-142	10 kHz - 1.0 GHz	EMC -25 Mk IIII	809	12/21/97
Rad Emis	Metering Module	Electro-Metrics	65-142-1	10 kHz - 1.0 GHz	CRM 25	136	3/29/98
Rad Emis	Spectrum Analyzer	Hewlett-Packard	65-247	10 kHz - 26.5 GHz	8563A	3220A 01924	11/8/98
Rad Emis	Preamplifier	Hewlett-Packard	71-11	1 - 26.5 GHz 30 dB Gain	8449B	3008A- 00284	12/13/98
Rad Emis, Occupied Bandwidth	Anechoic Facility	Dayton T. Brown, Inc.	1	30 ft x 32 ft 12 ft High	,	Anechoic Room	
Rad Emis	FCC Facility	Dayton T. Brown, Inc.	,	44 ft x 24 ft 24 ft High	t	FCC Site	ı



Enclosure 2

Radiated Emission, Intentional Radiator, 30 MHz to 10 GHz



RADIATED EMISSION. INTENTIONAL RADIATOR. 30 MHz TO 10 GHz

Test Procedure

A radiated emission test, in the frequency range of 30 to 1000 MHz, was performed on the Hand-Held Wireless Mouse while it was mounted on a wooden table that was standing on a conductive turntable.

For the frequency range of 30 to 1000 MHz, measurements were made utilizing a manually tuned interference measurement receiver, which was located in the instrumentation room below the ground plane.

The receiver was connected to the measurement antenna, which was located 10 meters from the turntable for the frequency range of 30 to 1000 MHz.

A linear polarized antenna was utilized for the measurements. The antenna height was varied between 1 and 4 meters and the test sample was rotated 360° to ensure maximum pickup from the test sample.

A radiated emission test, in the frequency range of 1 to 10 GHz, was performed on the Hand-Held Wireless Mouse while it was mounted on a wooden table in an anechoic chamber.

For the frequency range of 1 to 10 GHz, measurements were made utilizing a spectrum analyzer located in a shielded enclosure, which was attached to the anechoic enclosure.

The receiver was connected to the measurement antenna, which was located 3 meters from the table for the frequency range of 1 to 10 GHz, with a length of 50Ù coaxial cable.

The Hand-Held Wireless Mouse utilizes pulse modulation with a 50% duty cycle.

Any emissions not reported were at least 20 dB below the specification limits.

Measurements were made utilizing the following bandwidth and detector function:

Frequency Range	CISPR Bandwidth	Detector Function
30 to 1000 MHz	120 kHz	Quasi-Peak
1 to 10 GHz	100 kHz	Peak

The antenna per meter factors of the antennas utilized are depicted in the figures contained in this enclosure.



RADIATED EMISSION. INTENTIONAL RADIATOR. 30 MHz TO 10 GHz (Continued)

<u>Test Procedure</u> - (Continued)

The test setups employed are depicted in the photographs contained in this enclosure.

Test Results

No emission levels above the FCC Code of Federal Regulations, 47 CFR, Part 15, Sub-Part C, specification limits were observed.

Detailed test results for the radiated emission test for intentional radiators can be observed on pages 3 through 10 of this enclosure.



Founded 1950

Units : dBuV/m

CN - WM

Date: 2 Dec 1997

Serial No.: B50361

409969-00-000 Job No.:

10 Meters Distance:

Antenna Polarization: Vertical

Bandwidth: 120 kHz (CISPR) Met Requirement Yes V No

Radiated Field Strength Measurements

Detector Function: Quasi-Peak

Test Condition: Transmitting at 433.92MHz

Specification: FCC Rules & Regulations Part 15, Sub-Part C

Test Item: RF Wireless Mouse

Customer: Crestron Electronics, Inc.

naulati	ea riela s	strengtn	weasur	ements		Wet requirement 100 E 100					
Freq. (MHz)	Meter Indicated dBuV	Antenna Factor dB	Cable Loss dB	Correction Factor	Total Indicated dBuV/m	Spec. Limit dBuV/m	s	Level Above Spec. Limit	·	Notes	
30	5	17,1	0.82	0	22.92	29.54			AMBI	ENT	
42	10	12	0.99	0	22.99	29.54					
140	-7	10.9	1.78	0	5.68	33.04					
170	-6	9.9	1.98	0	5.88	33.04			~	,	
345	10	14.7	2.97	0	27.67	35.54			AMBI	ENT	
440	13	17	3.46	6	27.46	70.5999					
600	6	18.9	4.06	0	28.96	35.54			AMBII	ENT	
700	7	19.3	4.49	0	30.79	35.54					
900	4	20.7	5.12	0	29.82	35.54			•	, <u> </u>	
1000	7.5	22	5.53	0	35.03	43.54			AMBI	ENT	
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Remarks ·	* Indicates above Specification Limit;	A - Indicates Ambient:	Total Indicated = Meter Indicated +	Antenna Factor +	Cable Loss - Corr.	Factor
	/Using Billog Antenna DTR No. 27-1	 Calibration Due : 12 Ar 	nil 1998)			



 Date: 1 Dec 1997

 Test Item: RF Wireless Mouse CN - WM
 Serial No.: B50361

 Customer: Crestron Electronics, Inc.
 Job No.: 409969-00-000

 Test Condition: Transmitting at 433.92 MHz
 Line under Test: Vertical

 Specification: FCC Rules & Regs. Part 15, Sub-Part C
 Units: dBµV/m

Yes 🗹 No 🗔

Met Requirement

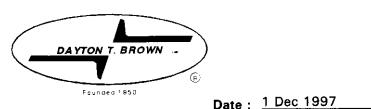
Test: Radiated Field Strength Measurements

Test: Ra	adiated F	-ield Str	ength M	easuren	nents		Met Rec	uirement	Tes Ly] 140	<u> </u>
Freq. (MHz)	Meter Indicated dBµV	Antenna Factor dB	Cable Loss dB	Preamplifier Factor dB	6 dB Correction	Total Indicated dBµV/m	Spec. Limit dBµV/m		Level Above Spec.		
1295	56.00	25.0	1.17	35.7	-6	40.47	61.0				
1732	51.92	26.4	1.66	35.4	-6	38.58	61.0				
2167	58.25	27.7	3.17	35.0	-6	48.12	61.0				_
2604	58.00	28.8	4.33	34.9	-6	50.23	61.0				
3040	50.92	30.2	3.17	34.9	-6	43.39	61.0				
3475	46.00	31.3	2.83	34.9	-6	39.23	61.0				
3886	43.25	32.7	2.49	34.6	-6	37.84	61.0				
4345	43.08	32.3	6.00	34.4	-6	40.98	61.0				
4768	41.67	33.2	5.17	34.4	-6	39.64	61.0				
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Remarks: Measurement made at 3 meter distance.

Data Raviewad Rv: S. Million Ta

Test Performed By:



Test Item: RF Wireless Mouse CN-WM Serial: <u>B50361</u> Job No. : 409969-00-000 Customer: Crestron Electronics, Inc. Test Condition: Transmitting at 433.92 MHz Ant. Polarization: Vertical Specification: FCC Rules & Regs. Part 15, Sub-Part C Units: dBuV/m Met Requirement Yes ☑ No □ Radiated Emission 1 to 10 GHz CNT 56.00dBW *ATTEN OdB 5dB/ AL 87.0dB W 702.13 MHz MKR 1.295 GHz 56.00 dB LV 52.2EdENV 58.000Buy 56.00d UV 51.12 3PVIV and the first of the second se 1.295 2.167 2.604 GHZ STOP 2.750GHz START 1.000GHz +RBW 2.0MHz VBW 3.0MHz *SWP 45sec Remarks: Test Performed By: Lawrence Williams Data Reviewed By: 4



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Test	t Item: B	F Wirele	ss Mouse	CN-WM			_ Seria	I: <u>B5036</u>	51	
Cus	tomer: _	Crestro	n Electronic	s, Inc.			Job I	No. : <u>409</u>	969-00-0	00
Test	Conditio	n: <u>Tra</u>	nsmitting at	433.92	ИHz		_ Ant.	Polarizatio	n: <u>Verti</u>	cal
Spe	cification	FCC	Rules & Re	gs. Part 1	5, Sub-Pa	rt C	_	: dBuV/m		
Rac	iated E	missior	1 to 1	10 GHz			Met i	Requireme	nt Yes	☑ No □
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97-1011 Enc 2 Pg 6



Founded 1950

Units : dBuV/m

CN - WM

Date: 2 Dec 1997

Serial No.: B50361

409969-00-000 Job No.:

10 Meters Distance:

Antenna Polarization: Horizontal

Met Requirement Yes 🗹 No 🗆

Bandwidth: 120 kHz (CISPR)

Test Condition: Transmitting at 433.92MHz

Specification: FCC Rules & Regulations Part 15, Sub-Part C

Test Item: RF Wireless Mouse

Customer: Crestron Electronics, Inc.

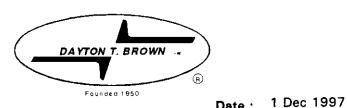
Radiated Field Strength Measurements

Detector Function: Quasi-Peak

Freq. (MHz)	Meter Indicated dBuV	Antenna Factor dB	Cable Loss dB	Correction Factor	Total Indicated dBuV/m	Spec. Limit dBuV/m	Level Above Spec. Limit	Notes	
30	-10	17.1	0.82	0	7.92	29.54		AMBIENT	
42	-3	12	0.99	0	9.99	29.54			
120	4	12	1.75	0	17.75	33.04			
140	-7	10.9	1.78	0	5.68	33.04	 		
150	-4	10.9	1.83	0	8.73	33.04			
183	16	9.69999	1.98	0	27.68	33.04		V	
285	2	13.4	2.67	0	18.07	35.54		AMBIENT	
440	18	17	3.46	6	32.46	70.5999	 		
600	5	18.9	4.06	0	27.96	35.54	 	AMBIENT	
900	6	20.7	5.12	0	31.82	35.54			
1000	6	22	5.53	0	33.53	43.54		AMBIENT	
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lamarke ·	* Indicates above Specification Limit;	A - Indicates Ambient;	Total Indicated = Meter Indicated +	Antenna Factor +	Cable Loss - Corr.	Factor
iciliaika .	/Using Billion Antonna DTR No. 27-1	· Calibration Due : 12 Ar	oril 1998)			

Technician: Engineer:



		Dute :
Test Item : RF W	rireless Mouse CN - WM	Serial No. : <u>B50361</u>
Customer : Cres	tron Electronics, Inc.	Job No. : 409969-00-000
Test Condition:	Transmitting at 433.92 MHz	Line under Test: Horizontal
Specification :	FCC Rules & Regs. Part 15, Sub-Part C	Units: _dBµv/m

st: R	adiated F	Field Str	ength M	leasuren	nents		Met Requ	irement	Yes 🔽	No
Freq. (MHz)	Meter Indicated dBµV	Antenna Factor dB	Cable Loss dB	Preamplifier Factor dB	6 dB Correction	Total Indicated dBµV/m	Spec. Limit dBµV/m		Level Above Spec.	
1295	52.75	25.0	1.17	35.7	-6	37.22	61.0			
1729	54.33	26.1	1.66	35.4	-6	40.69	61.0			
2167	52.33	27.6	3.17	35.0	-6	42 .10	61.0			
2604	48.67	28.8	4.33	34.9	-6	40.90	61.0			, <u>, , , , , , , , , , , , , , , , , , ,</u>
3040	49.08	30.2	3.17	34.9	-6	41.55	61.0			
3475	47.08	31.3	3.00	34.9	-6	40.48	61.0			
3910	44.83	32.5	2.49	34.6	-6	39.22	61.0			
4345	45.33	32.3	6.00	34.4	-6	43.23	61.0			
4671	42.58	32.7	5.17	34.4	-6	40.05	61.0			
										
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Remarks: Measurement made at 3 meter distance.

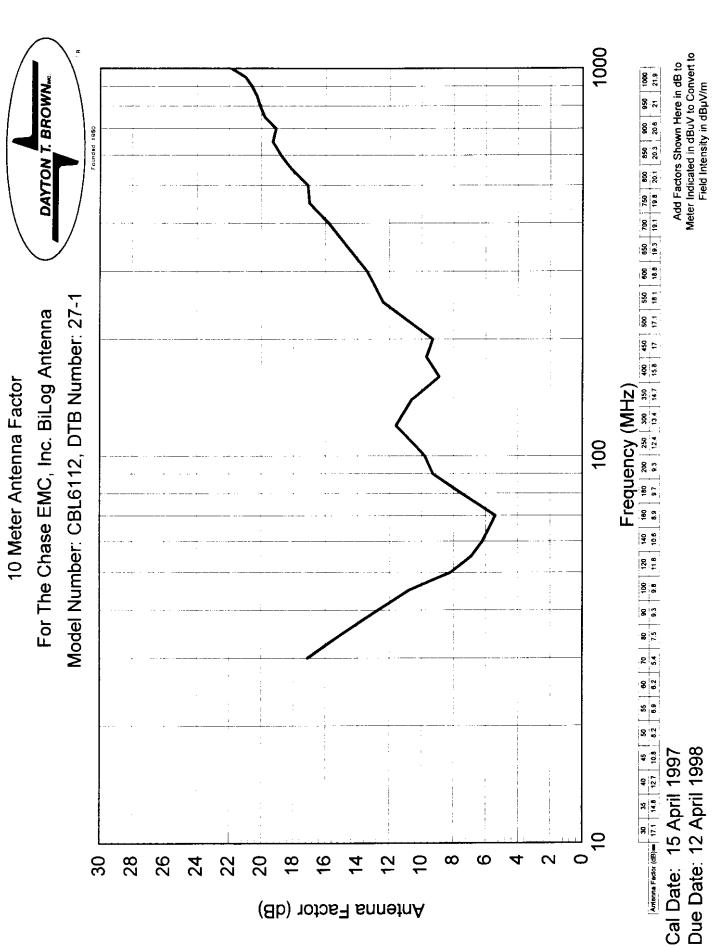
Test Performed By:



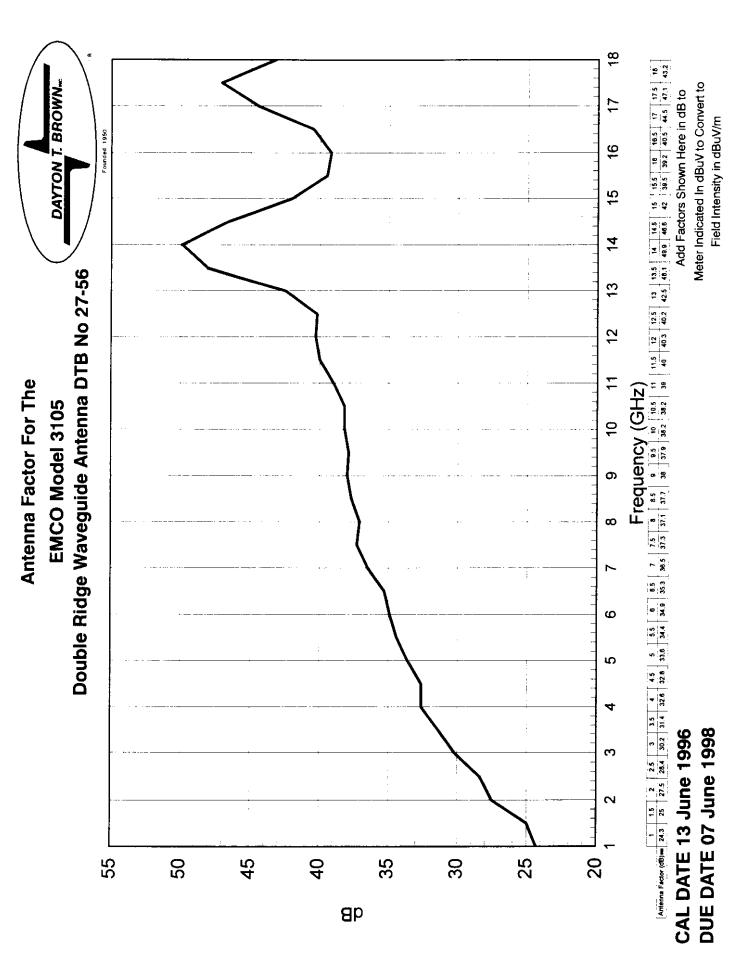
Date: 1 Dec 1997 Test Item: RF Wireless Mouse CN-WM Serial: <u>B50361</u> Job No. : 409969-00-000 Customer: Crestron Electronics, Inc. Test Condition: Transmitting at 433.92 MHz Ant. Polarization: Horizontal Specification: FCC Rules & Regs. Part 15, Sub-Part C Units: dBuV/m Met Requirement Yes ☑ No ☐ Radiated Emission 1 to 10 GHz CNT 48.67dB W *ATTEN OdB AL 87.0dB W 5dB/ 702.13 MHz × MKR 2.604 GHz 48.67 dB W 54.33 28 UV 52.32 dENV 52.73 dEns 1.724 1.295 2.604 £42 GHZ START 1.000GHz STOP 2.750GHz | *RBW 2.0MHz VBW 3.0MHz *SWP 45sec Remarks: Data Reviewed By: B. Franker Milliams



Foot	Itom · F	RF Wirele	ess Mouse	CN-WM				B5036		
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			ansmitting a		Ant. Polarization: Horizontal					
			C Rules & Re							
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97-1011 Enc 2 Pg 11



97-1011 Enc 2 Pg 12



Enclosure 3

Occupied Bandwidth



OCCUPIED BANDWIDTH

Test Procedure

The occupied bandwidth of the Hand-Held Wireless Mouse was measured using a spectrum analyzer with a bandwidth setting of 100 kHz. The spectrum analyzer was operated in the "Max Hold" mode.

The Hand-Held Wireless Mouse has an operating frequency of 433.92 MHz. The maximum allowed bandwidth for devices operating above 70 MHz and below 900 MHz is 0.25% of the center frequency.

The maximum allowed bandwidth is calculated as follows:

433.92 MHz X 0.0025 = 1.0848 MHz

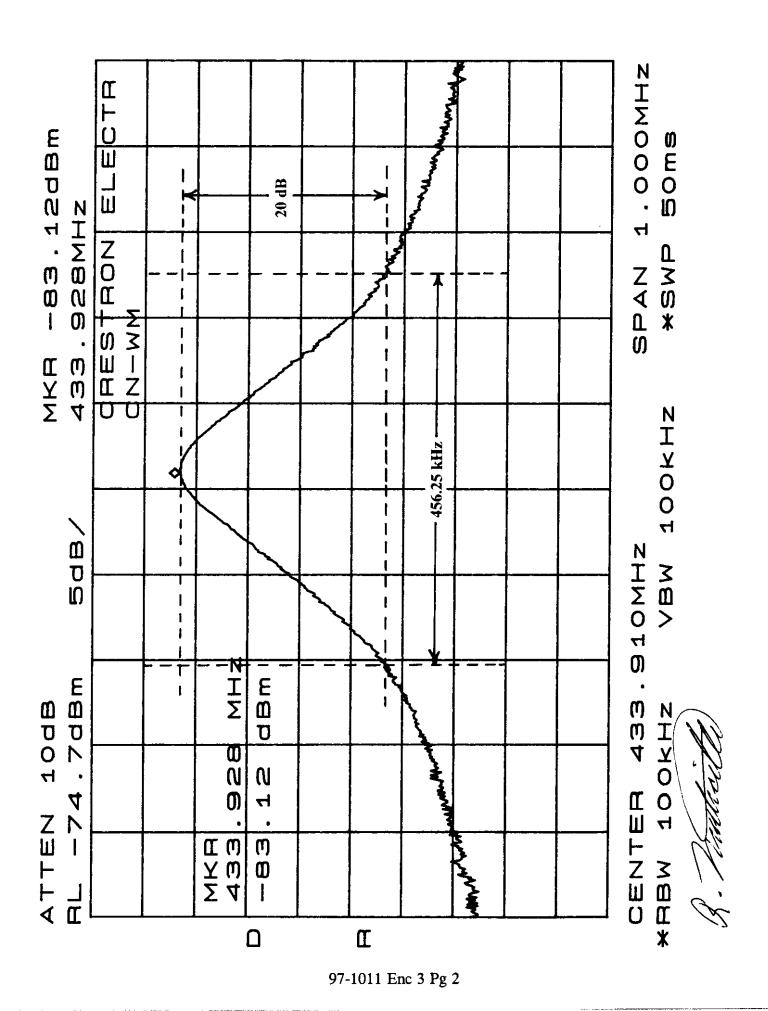
The occupied bandwidth was determined at the points 20 dB down from the carrier.

The test setup employed is depicted in the photograph contained in this enclosure.

Test Results

The test sample met the occupied bandwidth test. The measured occupied bandwidth from the Hand-Held Wireless Mouse was 456.25 kHz at the 20 dB down point.

Detailed test results for the occupied bandwidth test can be observed on page 2 of this enclosure.





Enclosure 4

Physical Inspections



PHYSICAL INSPECTION FORM								
JOB NUMBER <u>409969-00-000</u>	DATE12-1-97							
CUSTOMER: Crestron Electronics	ENGINEER R. Monticello							
TEST <u>EMI</u>	SPECIFICATION FCC, Part 15, C							
ITEM Hand-Held Wireless Mouse	SERIAL NO. <u>B50361</u>							
A PRE TEST INSPECTION REVEALED								
	NO ANOMALIES							
	NO ANOMALIES DUE TO TESTING							
· · · · · · · · · · · · · · · · · · ·	THE FOLLOWING							
Photograph Taken ?? NO If Yes, Photo Number N/A								
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97-1011 Enc 4 Pg 1

LAB FORM NO. 40 REV 03/94



PHYSICAL INSPECTION FORM								
JOB NUMBER 409969-00-000	DATE12-2-97							
CUSTOMER: Crestron Electronics	ENGINEER R. Monticello							
TESTEMI	SPECIFICATION FCC, Part 15, C							
ITEM Hand-Held Wireless Mouse	SERIAL NO. <u>B50361</u>							
A POST TEST INSPECTION REV	EALED:							
	√ NO ANOMALIES							
	NO ANOMALIES DUE TO TESTING							
	THE FOLLOWING							
Photograph Taken ?? <u>NO</u>	If Yes, Photo Number N/A							
	Technician Tavrence Wolfen Engineer B. Madriellis							

97-1011 Enc 4 Pg 2

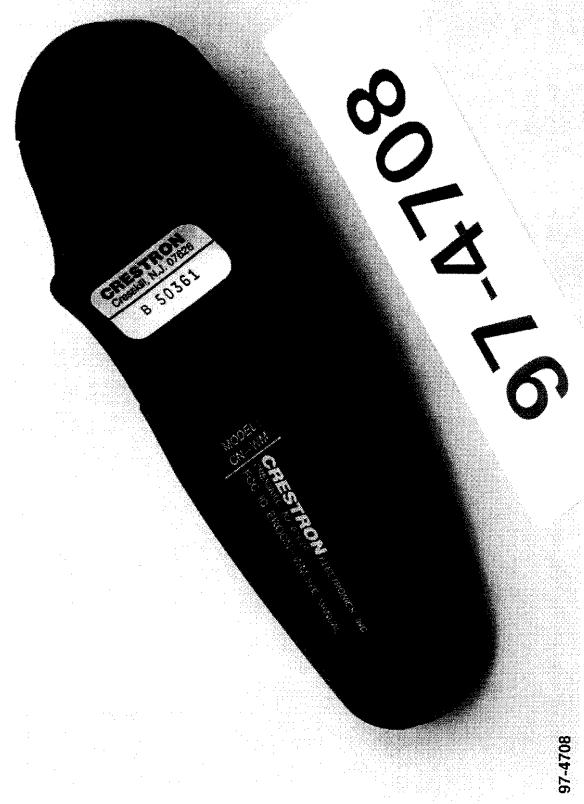


TESTED FOR CRESTRON ELECTRONICS, INC.
ITEM: HAND-HELD WIRELESS MOUSE
FRONT VIEW OF TEST SAMPLE
JOB NO. 409969-00-000 FILE NO. 97-4707
DTB01R97-1011 ENCLOSURE 4

S/N B50361 M/N CN-WM

2 DECEMBER 1997 PHOTO !





TESTED FOR CRESTRON ELECTRONICS, INC. ITEM: HAND-HELD WIRELESS MOUSE

JOB NO. 409969-00-000 DTB01R97-1011 REAR VIEW OF TEST SAMPLE FILE NO. 97-4708 ENCLOSURE 4 S/N B50361 M/N CN-WM

2 DECEMBER 1997 PHOTO 2





Enclosure 5 A2LA Scope of Accreditation



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC GUIDE 25-1990

DAYTON T, BROWN, INC Church Street Bohemia, NY 11716 Phone: Charles Gortakowski 516 589 6300

ACOUSTICS & VIBRATION

Valid To: December 31, 1998

Certificate Number: 0767-01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following acoustics & vibration tests:

Vibration (Sine, Random, Gunfire, Shipboard)

Buzz, Squeak and Rattle

Combined Environments and Reliability (Temperature, Humidity and Vibration)

Pyroshock

Sound Power and Measurements

Airborne and Structureborne Noise Measurement

On the following types of materials and products: Aircraft Components & Systems: Automotive Components & Systems; Shipboard Components & Systems: Railroad & Industrial Vehicle Components & Systems: Information Technology & Telecommunication Equipment & Systems: Electronic Components & Systems; Medical Electronic Equipment; Military Equipment &

Using the following standards: Military: HIL-STD-810, MIL-STD-167-1, MIL-S-901, MIL-STD-202, MIL-STD-781, MIL-E-16400, MIL-STD-108, MIL-STD-2036, HIL-T-28800, MIL-STD-740-1, MIL-STD-740-2, NAVMAT P-9492

Commercial: RTCA/D0-160
ANSI: 51.2, S1.35
GM: 9103P, 9104P, 9110P, 9125P, 9128P, 9140P, 9144P, 9154P, 9163P, 9175P
FORD: DVII.12.90.007-AC, ES-F5VB-54043Bi3-AA
Chrysler: PF-9007, PF-9531, PF-6897, PF-8243, PF-9164
Telephony: Bellcore GR-1089

Assess W. Februson



American Association for Laboratory Accreditat:

SUPPLEMENT TO THE SCOPE OF ACCREDITATION TO ISO/IEC GUIDE 25:1990 AND EN 45001

DAYTON T. BROWN, INC Church Street Church Street Bohemia, NY 11716 akowski Phone: 516 589 6300 Charles Gortakowski

ELECTRICAL (EMC)

Valid as of: November 18, 1997 Valid until: December 31, 1998

Certificate Number: 0767-02

In recognition of the successful completion of the AZLA evaluation process, accreditation is granted to this laboratory to perform the following <u>electrical</u> tests:

AS/NZS 3548

Code of Federal Regulations (CFR) 47, FCC Method Part 15 using AWSI C63.4 Code of Federal Regulations (CFR) 47, FCC Method Part 68

50081-1, 50091-2, 50082-1, 50082-2, 50091-1, 50091-2, 55011, 55013, 55014, 55015, 55022, 60555-2, 60555-3, 60601-1-2, 61000-4-1, 61000-4-2, 61000-4-4, 61000-4-5, 61000-4-7, 61000-4-8, 61000-4-11

TEC

50140, 50141, 50142, 50204 501, 501-1-2, 801-1 (1000-4-1), 801-2 (1000-4-2), 801-3 (1000-4-3), 801-4 (1000-4-4), 801-5 (1000-4-5) 801-6 (1000-4-6), 1000-4-7, 1000-4-8, 1000-4-11, 1000-3-2. 1000-3-3

| Commercial Aviation: RTCA/DO-160, FAA Advisory Circular 20-136. | Boeing D2007001, Boeing WZZ7000 | Military: MIL-STD-461 (A.B.C.&D). MIL STD-462. MIL-STD-1399, MIL-STD-704, MIL-STD-600, MIL-STD-1275A(AT), MIL-STD-202 | GM: 9100P, 9105P, 9109P, 9110P, 9112P, 9113P, 9114P, 9115P, 9116P, 9117P, 9119P, 9120P, 9103P, 9104P, 9125P, 9128P, 9100P, 9144P, 9154P, 9163P, 9163P, 916788, 91678, 91678, 91678, 91678, 916788, 91678, 916788, 916788, 91678, 916788, 916788, 916788, 916788, 916788, 916788, 916788, 916

91.75P

Chrysler PF9164

Telephony Bellcore GR-1089
ANSI/IEEE: IEEE-587-1980. IEEE-662.41. IEEE-662.32
TEMPEST: NST ISSAM Tempest/1-92. NACSEM 5100, NACSEM 5100A, NACSEM 5112.

KAS-3CA/TSEC

Peter Allry



American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC GUIDE 25:1990 AND EN 45001

DAYTON T. BROWN, INC. Church Street Bohemia, NY 11716 takowski Phone: 516 589 6300 Charles Gortakowski

ELECTRICAL (EMC)

Valid To: December 31, 1998

Centificate Number: 0767-02

In recognition of the successful completion of the AZLA evaluation process, accreditation is granted to this laboratory to perform the following electrical

Capacatance AC Capacitance
AC Loss Characteristics
Permitivity
(Dielectric Loss Constant) Conductivity umrent (AC/DC) Electrostatic (ESD) EMP

Impedance Inductance Lightning
Magnetism
Power Transmission
Resistivity

AC/DC Insulation Resistance Voltage (AC/DC)

EMI/REI
Conducted Emissions
Conducted Transient Susceptibility
Conducted Transient Susceptibility
Radiated Emissions (0.A.T.S. Method)
Radiated Emissions
Shielded Room Method
Radiated Susceptibility (Immunity)
Radiated Transient Susceptibility
Electrostatic Discharge (ESD)
Electromagnetic Pulse (EMP)
Electrical Fast Transient (EFT)

Lightning
Input Power Variations
Magnetic Field Emission
Magnetic Field Susceptibility
Harmonics
RF Power Handling
Shielding Effectiveness Stirred Hode Transmissibility Site Survey TEMPEST

On the following types of materials and products:
Aerospace Components & Systems; Automotive Components & Systems; Shipboard Components & Systems; Railroad & Industrial Vehicle Components & Systems; Information Technology & Telecommunication Equipment & Systems; Electrical & Electronic Components & Systems; Medical Electronic Equipment; Military Equipment & Handware.

Using the following sources of stendards: ANSI, AS/NZS, CFR, CISPR, EN, ENV. FCC. IEC. Commercial Aviation, Military, GM. Chrysler, Telephony, ANSI/IEEE, TEMPEST, VCCI

A supplemental scope, identifying the full range of tests and types of tests, is available from A2LA or the laboratory. $$\triangle$$

Peter Albry



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American Association for Laboratory Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC GUIDE 25:1990

DAYTON T. BROWN, INC. Church Street Bohemia, NY 11716 Charles Gortakowski Phone: 516 589 6300

MECHANICAL

Valid To: December 31, 1998

Certificate Number: 0767-03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following mechanical

Compression Fatigue Shear

Strees Metallography Hardness

Fracture

Fungus Sun/Solar Radiation

Water Immersion

Combined Environments

Tensile (Room, High & Low Temperatures) NOT (Dye Penetrant & Magnetic Particle)

Environmental Simulation

Altitude Acceleration Explosion Dust Wind & Rain

Temperature/Altitude Salt Fog/Salt Spray Humicisty Temperature/Shock Drop/Impact

Durability (Horn Life Actuation/Horn Blow Mechanism) High/Low Temperature/Humidity/Vibration High Pressure Burst (Air & Hydraulic) Shock (1/2 Sine, Sawtooth, Trapezoid)

On the following types of materials and products:
Aerospace Components & Systems; Automotive Components & Systems; Shipboard Components & Systems; Railroad & Industrial Components & Systems; Information Technology & Telecommunication Equipment & Systems; Flectrical & Electronic Components & Systems; Medical Electronic Equipment; Military Equipment & Hardware; Packaging & Containers; Pipes, Hoses, Fittings, and Valves.

Using the following standards:

Hiltary: MIL-STD-810, MIL-STD-167-1, MIL-S-901, HIL-STD-202, MIL-STD-781,
HIL-STD-6066, MIL-T-743, MIL-STD-2036, HIL-T-25800, NAVNAT P-9492,
HIL-STD-6066, MIL-T-743, MIL-STD-410

Commercial: RTCA/DO-160

B117, D141, G3, E18, D2240, 8557, E8, E1444

CN: 910P, 9103P, 9104P, 9125P, 9128P, 9140P, 9144P, 9154P, 9163P, 9175P

FORD: DVT1.12.00-097-AC, ES-F5V8-54043813-AA

Chrysler: Pf-9007, PF-9531, PF-6097, PF-8243, PF-9164

Telephony: Sellcore GR-1089

America Mi Robinson