

Retlif Testing Laboratories

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FCC COMPLIANCE TEST REPORT
ON
FISHER PRICE, INC.
PULSE CODE MODULATION
TRANSMITTER
MODEL: FP2824T-1
FCC ID: CCT2085T

CUSTOMER NAME: Fisher Price, Inc.

CUSTOMER P.O.: A71757

DATE OF REPORT: July 8, 1998

TEST REPORT NO.: R-7560-1

TEST START DATE: May 21, 1998

TEST FINISH DATE: June 24, 1998

TEST TECHNICIAN: D. Cortes

TEST ENGINEER: T. Schneider

SUPERVISOR: R.J. Reitz

REPORT PREPARED BY: K. Iacovelli

GOVERNMENT SOURCE INSPECTION: Not Applicable

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CERTIFICATION AND SIGNATURES

We certify that this report is a true report of the results obtained from the tests of the equipment stated. We further certify that the measurements shown in this report were made in accordance with the procedures indicated and vouch for the qualifications of all Retlif Testing Laboratories personnel taking them.



Thomas J. Schneider
EMC Test Engineer
NVLAP Approved Signatory



Richard J. Reitz
Laboratory Manager
NVLAP Approved Signatory

NON-WARRANTY PROVISION

The testing services have been performed, findings obtained, and reports prepared in accordance with generally accepted testing laboratory principles and practices. This warranty is in lieu of all other warranties, either express or implied.

NON-ENDORSEMENT

This test report contains only findings and results arrived at after employing the specific test procedures and standards listed herein. It is not intended to constitute a recommendation endorsement, or certification of the product or material tested. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.



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TABLE OF EXHIBITS

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EXHIBIT 2

Equipment Photographs

Para. 2.1033(b)(7)



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Technical Report 2.1033(b)(4)

Equipment Manufacturer

Wah Shing Electronics Co. Ltd.
9th Floor, Lea Hin Industrial Building
41-43 Wong Chuk Hang Road
Aberdeen, Hong Kong

FCC Identifier

CCT2085T

Operating Instructions

See Exhibit 5

Trade Name

Fisher Price

Model Number

FP2824T-1

Additional Model Numbers and Trade Names

Not Applicable



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EXHIBIT 6

Report of Measurements

Para. 2.1033(b)(6)



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APPLICANT	MANUFACTURER
Fisher Price, Inc. 636 Girard Avenue East Aurora, NY 14052	Wah Shing Electronics Co. Ltd. 9 th Floor, Lea Hin Industrial Building 41-43 Wong Chuk Hang Road Aberdeen, Hong Kong

TEST SPECIFICATION: FCC Rules and Regulations Part 15, Subpart C, Para. 15.227

TEST PROCEDURE: ANSI C63.4:1992

TEST SAMPLE DESCRIPTION

BRANDNAME: Fisher Price MODEL: FP2824T-1

TYPE: Pulse Code Modulation Transmitter

POWER REQUIREMENTS: 9 VDC via 9 VDC Battery

FREQUENCY OF OPERATION: 27.145 MHz

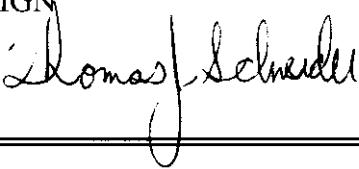
TESTS PERFORMED

Para. 15.227(a), Radiated Emissions, Fundamental & Spurious

Para. 15.227(b), Occupied Bandwidth

I HEREBY CERTIFY THAT: The measurements shown here were in accordance with the procedure indicated and that the energy emitted by this equipment was found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements and vouch for the qualifications of all persons taking them.

I FURTHER CERTIFY THAT: On the basis of the measurements made, the device tested is capable of operation in compliance with the requirements of Part 15 of the FCC Rules under normal use and maintenance.

SIGN	PRINT	TITLE
	Thomas J. Schneider	EMC Test Engineer



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Test Report No. R-7560-1
FCC ID: CCT2085T

REPORT OF MEASUREMENTS

Applicant: Fisher Price, Inc.
Device: Pulse Code Modulation Transmitter
FCC ID: CCT2085T
Power Requirements: 9 VDC via 9 VDC Battery
Applicable Rule Section: Part 15, Subpart C, Section 15.227

TEST RESULTS

15.227 (a) - The field strength of any emission within the band of 26.96 MHz to 27.28 MHz did not exceed 10,000 μ V/M at 3 meters, average. The provisions of section 15.35 for limiting peak emissions was applied.

15.227 (b)) - The field strength of any emissions outside the band did not exceed the general radiated emissions limits of section 15.209. All signals which exceeded 20 μ V/M at 3 meters are reported herein.



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Exhibit 6

Report of Measurements

Radiated Emissions Data, Para. 15.227(a)



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Test Report No. R-7560-1
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RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

TEST METHOD:	FCC Part 15 Subpart C Radiated Emissions		
CUSTOMER:	Fisher Price	JOB No.:	R-7560-1
TEST SAMPLE:	27Mhz Remote Control Transmitter		
MODEL No.:	FP2824T-1	SERIAL No.:	FCC ID: CCT2085T
TEST SPECIFICATION:	FCC Part 15 Subpart C	PARAGRAPH: 15.227(a)	
OPERATING MODE:	Continuously Transmitting a 27,145 Mhz signal		
TECHNICIAN:	Dennis Cortes 	DATE:	May 28,1998
NOTES:	Test Distance: 3 Meters Detector Function: Peak		

Exhibit 6

Report of Measurements

Radiated Emissions Data, Para. 15.209



Retlif Testing Laboratories

Test Report No. R-7560-1
FCC ID: CCT2085T

RETLIF TESTING LABORATORIES

TABULAR DATA SHEET

TEST METHOD:	FCC Part 15 Radiated Emissions, 30 MHz to 1 GHz		
CUSTOMER:	Fisher Price	JOB No.:	R-7560-1
TEST SAMPLE:	27Mhz Remote Control Transmitter		
MODEL No.:	FP2824T-1	SERIAL No.:	FCC ID: CCT2085T
TEST SPECIFICATION:	FCC Part 15, Subpart C		
	PARAGRAPH: 15.209		
OPERATING MODE:	Continuously Transmitting a 27.1 Mhz signal		
TECHNICIAN:	Dennis Cortes	DATE:	May 28, 1998
NOTES:	Detector Function: Quasi-Peak Test Distance: 3 Meters		

Test Frequency	Antenna Position	Mountable Position	Meter Reading	Correction Factor	Corrected Reading	Converted Reading		Limit
MHz	(H/V) - Height	Degrees	dBuV	dB	dBuV/m	uV/m		uV/m
30.00								100
35.60	V-1.0	180	34.8	-7.9	26.9	22.1		
54.20	V-1.0	180	47.6	-12.5	35.1	56.9		
61.76	V-1.0	180	41.3	-12.4	28.9	27.9		
70.37	V-1.0	180	44.2	-11.2	33.0	44.7		
79.00	V-1.0	180	43.3	-10.6	32.7	43.2		
80.50	V-1.0	180	36.5	-10.5	26.0	20.0		
88.00								100
88.00								150
116.05	V-1.0	180	42.5	-11.4	31.1	35.9		
117.27	V-1.0	180	33.5	-11.4	22.1	12.7		
124.80	V-1.0	180	43.6	-10.8	32.8	43.7		
133.15	V-1.0	180	42.7	-9.7	33.0	44.7		
216.00								150
216.00								200
298.60	V-1.3	158	31.3	-4.7	26.6	21.4		
325.70	V-1.1	180	36.7	-2.9	33.8	49.0		
353.00	V-1.0	180	35.3	-3.1	32.2	40.7		
380.00	V-1.0	158	34.3	-2.4	31.9	39.4		
407.18	V-1.0	180	32.7	-0.8	31.9	39.4		
434.00	V-1.0	135	29.3	-0.3	29.0	28.2		
461.50	V-1.0	158	27.1	0.1	27.2	22.9		
960.00								200
960.00								500
1000.00	The frequency range was scanned from 30 MHz to 1 GHz. All emissions not recorded were more than 10dB below the specified limit. Emissions observed from the EUT do not exceed the specified limit.							1000.00

Exhibit 6

Report of Measurements

Occupied Bandwidth, Para. 15.227(b)



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Test Report No. R-7560-1
FCC ID: CCT2085T

R-7560 FISHER PRICE MODEL FP2824T OCCUPIED BW TTS 5/29/98

REF -53. 4 dBm

ATTEN 10 dB

hp

10 dB/



START 26. 960 MHz
RES BW 10 kHz

VBW 30 kHz

STOP 27. 280 MHz
SWP 30. 0 msec

Customer:	Fisher Price Inc.
Test Sample:	27 MHz Remote Control Transmitter
Model No.:	FP2824T-1
Test Method:	Occupied Bandwidth
Notes:	Emission stays within the 26.96 MHz to 27.28 MHz band. Emission more than 20 dB down from modulated carrier at band edges
Date:	June 29, 1998
Tech:	T. Schneider
Sheet:	1 of 1



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EQUIPMENT LIST

FCC Part 15, Subpart C, Radiated Emissions

EN	Type	Manufacturer	Frequency Range	Model No.	Cal Date	Due Date
067	Open Area Test Site	Retlif	3 Meter	RNY	8/30/97	8/30/99
133	Broadband Pre-Amplifier	Electro-Metrics	10 kHz - 1 GHz, 26dB	BPA-1000	6/20/97	6/20/98
141	Spectrum Analyzer	Hewlett Packard	100 Hz - 40 GHz	8566B	3/2/98	9/2/98
141A	Graphics Plotter	Hewlett Packard	N/A	7470A	3/4/98	3/4/99
141B	Quasi-Peak Adaptor	Hewlett Packard	100 Hz - 1 GHz	85650A	3/3/98	9/3/98
206B	6.0 dB Attenuator	Texscan	0 - 1.0 GHz	FP-50 - 6 dB	6/20/97	6/20/98
523	Biconilog	Electro-Mechanics	26 MHz - 1100 MHz	3143	9/30/97	9/30/98



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