Technical Information

	Applicant		Manufacturer
Name:	Graco Childrens Products	Name:	Graco Childrens Products
Address:	150 Oaklands Blvd.	Address:	150 Oaklands Blvd.
City, State	, Zip: Exton, PA. 19341	City, State	, Zip: Exton, PA. 19341

Test Specification: FCC Rules and Regulations Part 15, Subpart C, Para. 15.247

Test Procedure: ANSI C63.4:1992

Test Sample Description

Test Sample:	Baby Monitor	r
Brandname:	Graco	
Model Number:	A5798	
Туре:	Digital Sprea	d Spectrum Transmitter
Power Requirements:		120 VAC, 60 Hz
Frequency of Ope	ration:	909.524 to 919.764 MHz

Tests Performed

Para. 15.247	(a)(2)	Occupied Bandwidth
Para. 15.247	(b)(3)	Power Output
Para. 15.247	(d)	Antenna Port, Conducted Emissions
Para. 15.247	(e)	Antenna Port, Power Density
Para. 15.109	(a)	Class B, Radiated Emissions, 30 MHz to 1 GHz
Para. 15.247	(d) and 15.205	Radiated Emissions, Harmonics and Band Edge
Para. 15.207	(b)	Conducted Emissions, Power Leads, 150 kHz to 30 MHz
Para. 15.209	(b)	Class B, Band Edge

Report of Measurements

Applicant:Graco Childrens ProductsDevice:Baby MonitorFCC ID:M6YA5798Power Requirements:120 VAC, 60 Hz

Applicable Rule Section: Part 15, Subpart C, Section 15.247

Test Results

15.247 (a) (2)

The minimum 6 dB bandwidth measured 883 kHz which complies with the requirement that the Bandwidth be no less than 500 kHz.

15.247 (b) (3)

The device operates in the 902 - 928 MHz band. The maximum peak output power was measured and was found to be 11.179 mWatts, in compliance with the specified limit of 1 watt.

15.247 (d)

In any 100 kHz bandwidth outside the frequency band in which the Spread spectrum intentional radiator was operating, the radio frequency power that was produced by the intentional radiator was at least 20 dB below that in the 100 kHz bandwidth within the band that contained the highest level of the desired power. All emissions, which fell within the restricted bands specified in 15.205(a), were measured and found to be in compliance with the limits specified in 15.209(a).

15.247 (e)

The power spectral density conducted from the intentional radiator to the antenna was not greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density was determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power was used to determine the power spectral density.

15.109 (a)

The field strength of spurious radiated emissions did not exceed the Class B limits specified.

15.207 (a)

The radio frequency voltage that was conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz did not exceed the limits in the following table::

Fraguancy of Emissions (MHz)	Conducted Limit (dBµV)					
	Quasi-peak	Average				
0.15 - 0.5	66 to 56*	56 to 46*				
0.5 - 5.0	56	46				
5.0 - 30.0	30	50				

15.209 (b)

The spurious radiated emissions from the intentional radiator did not exceed the field strength levels specified in the following table:

	Field Strength	Measurement Distance	
	(Microvolts/meter)	(Meters)	
30-88	100	3	
88-216	150	3	
216-960	200	3	
Above 960	500	3	

Spectrum Analyzer Desensitization Considerations

Due to the nature of the emissions being measured, care was taken to ensure that the resolution bandwidth of the spectrum analyzer was adequate to provide accurate measurements. FCC specified bandwidths of 100 kHz and 1 MHz were utilized below and above 1 GHz, respectively.

General Notes

- 1. All readings were taken utilizing a peak detector/or average detector function at a test distance of 3 meters.
- 2. A 10 Hz Video Bandwidth was utilized in order to determine the average value of the emissions.
- 3. All measurements were made with the device powered by an AC Adapter with an input of 120 VAC, 60 Hz.
- 4. The frequency range was scanned from 30 MHz to 10 GHz. All emissions not reported were more than 20 dB below the specified limit.

Modifications

The following modifications made to the EUT during the course of testing in order to comply with the requirements of Part 15:

- 1) A Brass Shield was installed over the RF Section of the PC Board.
- 2) A 10 pF and a 100 pF capacitor was installed on the data line entering the RF Section, at the Shield.
- 3) The mounting holes where shield was installed were converted from thermals to flood filled copper.

Certification and Signatures

We certify that this report is a true representation 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.

Yaiell

Joseph Maiello Branch Manager

Richard J. Reitz Corporate Laboratory Manager

Non-Warranty Provision

The testing services have been performed, findings obtained and reports prepared in accordance with generally accepted laboratory principles and practices. This warranty is in lieu of all others, either expressed 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 test report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products FCC ID: M6YA5798, IC#: 6162A-A5798 Page 5 of 48

Equipment List

Occupied Bandwidth

EN 713 8356	Type EMI Test Receiver 10.0 dB Attenuator	Manufacturer Rohde & Schwarz Narda	Description 20 Hz - 26.5 GHz DC - 11 GHz, 20 W	Model No. ESIB26 768-10	Cal Date 8/12/2007 8/15/2007	Due Date 8/12/2008 8/15/2008		
			Power Output					
EN	Type	Manufacturor	Description	Model No	Cal Data	Duo Dato		
712	EMI Test Bessiver	Pobdo & Schwarz			9/12/2007	8/12/2008		
8356	10.0 dB Attenuator	Narda	DC - 11 GHz, 20 W	768-10	8/15/2007	8/15/2008		
		Conduct	ed Emissions A	ntenna				
FN	Type	Manufacturer	Description	Model No	Cal Date			
713	EMI Test Receiver	Robde & Schwarz	20 Hz - 26 5 CHz	ESIB26	8/12/2007	8/12/2008		
8356	10.0 dB Attenuator	Narda	DC - 11 GHz, 20 W	768-10	8/15/2007	8/15/2008		
			Power Density					
EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date		
713	FMI Test Receiver	Rohde & Schwarz	20 Hz - 26 5 GHz	ESIB26	8/12/2007	8/12/2008		
8356	10.0 dB Attenuator	Narda	DC - 11 GHz, 20 W	768-10	8/15/2007	8/15/2008		
		Radiated En	nissions (30 MH	z - 1 GHz)				
EN	Type	Manufacturer	Description	Model No.	Cal Date	Due Date		
713	EMI Test Receiver	Rohde & Schwarz	20 Hz - 26.5 GHz	ESIB26	8/12/2007	8/12/2008		
8046	Preamplifier	Amplifier Research	.01 - 1000 MHz	LN1000A/SCL25-7	5/8/2007	5/8/2008		
8076	Spectrum Analyzer	Hewlett Packard	100 Hz - 1.5 GHz	8568B	8/2/2007	8/2/2008		
8077	Spectrum Analyzer	Hewlett Packard		85662A	8/2/2007	8/2/2008		
8300	Open Area Test Site	EMCO			5/4/2007	5/4/2008		
8365	Biconilog	EMCO	26 MHz - 3 GHz	3142C	9/12/2007	9/12/2008		
	Radiated Emissions (1 GHz - 10 GHz)							
EN	Туре	Manufacturer	Description	Model No.	Cal Date	Due Date		
032H	H.P. Filter	Microlab/FXR	4 GHz	HD-40N	1/28/2008	1/28/2009		
032J	H.P. Filter	Microlab/FXR	6 GHz	HD-60N	1/28/2008	1/28/2009		
379D	H.P. Filter	Microlab/FXR	2 GHz	2GHz H.P Filter	1/28/2008	1/28/2009		
713	EMI Test Receiver	Rohde & Schwarz	20 Hz - 26.5 GHz	ESIB26	8/12/2007	8/12/2008		
8017	Double Ridge Guide	EMCO	1 - 18 GHz	3115	8/6/2007	8/6/2008		
8060A	Cable	Retlif	10 kHz - 18 GHz	25' Type N	7/31/2007	7/31/2008		
8060C	Cable	Retlif	10 kHz - 18 GHz	3' Type N	7/31/2007	7/31/2008		
8061A	Cable	Retlif	10 kHz - 18 GHz	25' Type N	7/31/2007	7/31/2008		
8300	Open Area Test Site	KSI	20 - 1300 MHz	9440P	5/4/2007	5/4/2008		
0317	riedilipiliei	Aglierit	1-20.0 GHZ, 30 UD	04430	4/0/2007	4/0/2009		

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products FCC ID: M6YA5798, IC#: 6162A-A5798 Page 6 of 48

Equipment List con't

Band Edge

EN	Туре	Manufacturer	Description	Model No.	Cal Date	Due Date
713	EMI Test Receiver	Rohde & Schwarz	20 Hz - 26.5 GHz	ESIB26	8/12/2007	8/12/2008
8046	Preamplifier	Amplifier Research	.01 - 1000 MHz	LN1000A/SCL25-7	5/8/2007	5/8/2008
8076	Spectrum Analyzer	Hewlett Packard	100 Hz - 1.5 GHz	8568B	8/2/2007	8/2/2008
8077	Spectrum Analyzer	Hewlett Packard		85662A	8/2/2007	8/2/2008
8300	Open Area Test Site	EMCO			5/4/2007	5/4/2008
8365	Biconilog	EMCO	26 MHz - 3 GHz	3142C	9/12/2007	9/12/2008

Conducted Emissions, Power leads

EN	Туре	Manufacturer	Description	Model No.	Cal Date	Due Date
713	EMI Test Receiver	Rohde & Schwarz	20 Hz - 26.5 GHz	ESIB26	8/12/2007	8/12/2008
8194	LISN	Solar Electronics	10 kHz - 30 MHz	8028-50-TS-24-B	11/17/2007	11/17/2008
8195	LISN	Solar Electronics	10 kHz - 30 MHz	8028-50-TS-24-B	11/17/2007	11/17/2009
8356	10.0 dB Attenuator	Narda	DC - 11 GHz, 20 W	768-10	8/15/2007	8/15/2008

Test Photograph(s) FCC Part 15, Subpart C, Section 15.247(a) (2), Occupied Bandwidth See the following Test Photograph(s) for test instrumentation and the EUT configuration.

Test Photograph(s) Occupied Bandwidth



Test Setup

FCC Part 15, Subpart C, Section 15.247(a) (2), Occupied Bandwidth Test Data

Test Method, Occupied Bandwidth

Customer:Graco Children's ProductsTest Sample:902 to 928 MHz Spread Spectrum TransmitterTest Specification:FCC Part 15, Subpart C, 15.247 (a)(2)Operating Mode:Continuous Transmission on Channel 1Operator/Date:FC 2/21/2008Note:FC 2/21/2008



Sheet 1 of 3

Test Method, Occupied Bandwidth

Customer:Graco Children's ProductsTest Sample:902 to 928 MHz Spread Spectrum TransmitterTest Specification:FCC Part 15, Subpart C, 15.247 (a)(2)Operating Mode:Continuous Transmission on Channel 2Operator/Date:FC 2/21/2008Note:FC 2/21/2008



Test Method, Occupied Bandwidth

Customer:Graco Children's ProductsTest Sample:902 to 928 MHz Spread Spectrum TransmitterTest Specification:FCC Part 15, Subpart C, 15.247 (a)(2)Operating Mode:Continuous Transmission on Channel 3Operator/Date:FC 2/21/2008Note:FC 2/21/2008



Sheet 3 of 3

Test Photograph(s) FCC Part 15, Subpart C, Section 15.247 (b)(3), Conducted Emissions, Power Output See the following Test Photograph(s) for test instrumentation and the EUT configuration.

Test Photograph(s) Power Output



Test Setup

FCC Part 15, Subpart C Conducted Emissions, Power Output Paragraph 15.247(b) (3) Test Data

Test Metho	od:	FCC Part 15, Subpart C, Section 15.247 (b)(3), Power Output											
Customer:			Graco Children's Products							Job No.	R-1	173P	
Test Samp	le:		Spread Spectrum Transmitter										
Model No.			A5798							FCC ID:	M6	YA5798	
Operating	Mode	-	Continuc	ous Trans	missi	วท							
Technician		•			0	511				Data:	2-2	0-2008	
Notoci	Dofo	ron			100	<u>س</u> ۱۸/		Pagal	Lutio		2-2	10111-	
Notes:	Rele	ren P		•	1001	1100		Resol					
	Video	0 B	andwidth	1:	10M	HZ		Swee	ep I ir	me:		10sec	
	RF A	tte	nuation:		40dt)		Span:				80MHz	
	Exte	rna	I Attenua	ition:	10db	0							
Channel				Freque	ncy		Po Oi	ower utput				Limit	
#				MHz	<u> </u>		r	nW				mW	
								054				4000	
1				909.52	24		1().251				1000	
2				913.62	20		10	0.880		+		1000	
3				919.76	64		11	.179				1000	
	_												
											_		

Test Photograph(s) FCC Part 15, Subpart C, Section 15.247(d), Antenna Port, Conducted Emissions See the following Test Photograph(s) for test instrumentation and the EUT configuration.

Test Photograph(s) Conducted Emissions



Antenna Port, Test Setup

FCC Part 15, Subpart C, Section 15.247(d), Antenna Port, Conducted Emissions, Test Data

Test Method, Antenna Conducted Emissions

Customer: Graco Children's Products Test Sample: 902 to 928 MHz Spread Spectrum Transmitter Test Specification: FCC Part 15, Subpart C, 15.247 (d) Operating Mode: Continuous Transmission on Channel 1 Operator/Date: FC 2/20/2008 Note:



Sheet 1 of 3

Test Method, Antenna Conducted Emissions

Customer: Graco Children's Products Test Sample: 902 to 928 MHz Spread Spectrum Transmitter Test Specification: FCC Part 15, Subpart C, 15.247 (d) Operating Mode: Continuous Transmission on Channel 2 Operator/Date: FC 2/20/2008 Note:



Sheet 2 of 3

Test Method, Antenna Conducted Emissions

Customer: Graco Children's Products Test Sample: 902 to 928 MHz Spread Spectrum Transmitter Test Specification: FCC Part 15, Subpart C, 15.247 (d) Operating Mode: Continuous Transmission on Channel 3 Operator/Date: FC 2/20/2008 Note:



Sheet 3 of 3

Test Photograph(s) FCC Part 15, Subpart C, Section 15.247(e), Antenna Port, Power Density See the following Test Photograph(s) for test instrumentation and the EUT configuration.

Test Photograph(s) Power Density



Antenna Port Setup

FCC Part 15, Subpart C, Section 15.247(e), Antenna Port, Power Density, Test Data

Test Method, Power Density

Customer:	Graco Children's Products				
Test Sample:	902 to 928 MHz Spread Spectrum Transmitter				
Test Specification:	FCC Part 15, Subpart C, 15.247 (e)				
Operating Mode:	Continuous Transmission on Channel 1				
Operator/Date:	FC 2/20/2008				
Note:					



Sheet 1 of 3

Test Method, Power Density

Customer:	Graco Children's Products				
Test Sample:	902 to 928 MHz Spread Spectrum Transmitter				
Test Specification:	FCC Part 15, Subpart C, 15.247 (e)				
Operating Mode:	Continuous Transmission on Channel 2				
Operator/Date:	FC 2/20/2008				
Note:					



Sheet 2 of 3

Test Method, Power Density

Customer:	Graco Children's Products
Test Sample:	902 to 928 MHz Spread Spectrum Transmitter
Test Specification:	FCC Part 15, Subpart C, 15.247 (e)
Operating Mode:	Continuous Transmission on Channel 3
Operator/Date:	FC 2/20/2008
Note:	



Sheet 3 of 3

Test Photograph(s) FCC Part 15, Subpart B, Section 15.109(a) Class B, Radiated Emissions 30 MHz to 1 GHz See the following Test Photograph(s) for test instrumentation and the EUT configuration

Test Photograph(s) Radiated Emissions



30 MHz to 1 GHz Setup Antenna Position Horizontal



30 MHz to 1 GHz Setup, Antenna Position Vertical

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 31 of 48 FCC Part 15, Subpart B, Section 15.109(a) Class B, Radiated Emissions, 30 MHz to 1 GHz, Test Data

Test Method:		FCC Part 15, Subpart B, Class B, Radiated Emissions, 30 MHz to 1 GHz, Paragraph 15.109(a)										
Customer:		Graco	Children's Pro	ducts	Job	No.:	R-1173P					
Test Sampl	e:	902 to 928 Spread Spectrum Transmitter										
Model No.:		A5798				Serial	No.:	2M13-C2				
Operating I	Node:	Contin	Continuous Transmission									
Technician	:	F. Civit	tello/R. Reitz			D	ate:	2-21-200	8			
Notes:	Test D Detec	Distance tor: Qua	stance: 3 Meters Temp: 3.5°C Humidity: 23% pr: Quasi-Peak 1 GHz									
Frequency	Ant Pos	enna sition	EUT Orientation	Meter Readings	2) Correction Factor	Corrected Reading	Co R	onverted eading	Limit			
MHz	(V/H) /	Meters	Degrees	dBuV	dB	dBuV/m		uV/m	uV/m			
30.00									100			
1) 35	V	(1.0	0.0	7 17	16.9	24.07		16.0				
1) 33	v/	1.0	0.0	7.17	10.9	24.07		10.0	I			
88.00									100			
88.00									150			
1) 110	N/	(1.0	0.0	9.62	0.5	19 10		9.1	I			
	V/	1.0	0.0	0.02	9.5	10.12		0.1	<u> </u>			
1) 195	V/	/1.0	0.0	9.49	11.8	21.29		11.6				
1) 205	V/	/1.0	0.0	8.19	11.2	19.39		9.3				
216									150			
216									200			
1) 600	V/	1.0	0.0	9.73	22.8	32.53		42.3	<u> </u>			
00,030									200			
960.00									500			
<u> </u>												
1) 995	V/	1.0	0.0	10.63	28.2	38.83		87.4				
1000.0									500			
	-											
	The from		nde was scanned	from 30 MHz to 1 C	 }Hz							
	1) No e	missions v	were observed fror	n the EUT at the sr	becified test distance.	. The readings show	wn are a	ambient inter	ference levels to			
	demons	strate adeo	trate adequate measurement system sensitivity.									
	2) Corre											

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 33 of 48 Test Photograph(s) FCC Part 15, Subpart C, Section 15.247(d) and 15.205 Radiated Emissions 1 GHz to 10 GHz and Band Edge See the following Test Photograph(s) for test instrumentation and the EUT configuration

Test Photograph(s) Radiated Emissions



1 GHz to 10 GHz, Antenna Position Horizontal



1 GHz to 10 GHz, Antenna Position Vertical

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 35 of 48 FCC Part 15, Subpart C, Radiated Emissions, 1 GHz to 10 GHz, Paragraph 15.247(d) and 15.205 Test Data

Test Metho	d:	FCC Part 15, Subpart C, Radiated Emissions, 1 GHz to 10 GHz, Paragraph 15.247(d) and 15.205									
Customer:		Graco	Children's Pro	ducts	Job No.:	R-1173P					
Test Sampl	e:	902 to	928 Spread S	pectrum Tra	nsmitter			•			
Model No.:		A5798		-			Serial No.:	2M13-C2			
Operating Mode:		Contin	Continuous Transmission								
Technician	:	F. Civit	ello/R. Reitz				Date:	2-26-2008			
Notes:	Test [Detec	Distance: 10 Meters EUT Channel 1 Temp: 21°C Humidity ector: Quasi-Peak Below 1 GHz, Peak above 1 GHz							24%		
Frequency	Ant Po:	enna sition	EUT Orientation	Meter Readings	Correction Factor	Corr Rea	ected ading	Converted Reading	Limit		
GHz	(V/H) /	Meters	Degrees	dBuV	dB	dB	uV/m	uV/m	uV/m		
1.00									500		
2.730	H/	1.68	29.9	40.32	1.6	41	.92	124.7			
2.730	V/	1.38	330.3	36.43	1.6	38	.03	79.7			
		4.00	40.4	00.00	5.0		00	475 4			
3.6408	H/	1.08	40.4	39.88 43.0	5.0 5.0	44	88 3.0	251.2			
	•,	1.00	021.0	10.0	0.0			20112			
4.5512	4.5512 H/1.42		0.0	43.14	7.0	50	.14	321.4			
4.5512	V/	1.10	58.2	42.67	7.0	49	.67	304.4			
5.4615	H/	1.67	320.0	33.38	9.1	42	.48	133.0			
5.4615	V/	1.05	338.0	33.84	9.1	42	94	140.3			
I											
Ì											
7.2812	H/	1.66	307.1	33.65	13.0	46	.65	215.0			
7.2812	V/	1.31	292.3	32.98	13.0	45	.98	199.1	İ		
8.1918	H/	1.32	61.2	35.13	13.8	48	.93	279.6			
8.1918	V/	1.55	340.3	36.1	13.8	4	9.9	312.6			
I											
9.1023	H.	/1.0	16.3	33.66	15.5	49	.16	287.1			
9.1023	V	/1.0	15.3	34.53	15.5	50	.03	317.3			
10.0									500		
10.0	The fre	quency rai	I nge was scanned	from 1 GHz to ⁻	10 GHz.				500		
	The em	nissions ob	served from the E	UT do not exce	ed the specified	limits.					
	Emissi	ons not rec	corded were more	than 20dB und	er the specified li	mit.		0	at 4 af 0		
	1							She	et 1 of 3		

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 37 of 48

Test Metho	d:	FCC P Paragi	art 15, Subpa aph 15.247(d	rt C, Radiat and 15.205	ed Emission	s, 1 GHz	to 10 GHz,		
Customer:		Graco	Children's Pro	ducts	Job No.:	R-1173P			
Test Sample:		902 to 928 Spread Spectrum Transmitter							
Model No.:		A5798					Serial No.:	2M13-C2	
Operating N	Node:	Contin	uous Transmis	sion					
Technician		F. Civit	ello/R. Reitz				Date:	2-26-2008	
Notes:	Test [st Distance: 10 Meters EUT Channel 2 Temp: 21°C Humidi							24%
	Delec		asi-reak beluv	V I GIIZ, Fea		IZ			
Frequency	Ant Pos	enna sition	EUT Orientation	Meter Readings	Correction Factor	Corr Rea	Corrected Converted Reading Reading		Limit
GHz	(V/H) /	Meters	Degrees	dBuV	dB	dB	uV/m	uV/m	uV/m
1.00									500
2.7417	H/	1.66	332.0	36.27	1.6	37	.87	78.3	
2.7417	V/	1.05	16.0	37.55	1.6	39	.15	90.7	<u> </u>
4.5704	H/	1.44	342.3	43.56	7.0	50	.56	337.3	
4.5704	V/*	1.09	31.5	43.58	7.0	50	.58	338.1	İ
									Í
									İ
				· · · · · ·					
8.2263	H/	1.40	66.5	33.95	13.9	47	.85	246.9	
8.2263	V/	1.54	84.4	35.9	13.9	4	9.8	309.0	
<u> </u>									
10.0	Tho fre	<u>auono:</u>		from 1 OLI- to	10 CH-				500
	The err	nissions of	ige was scanned	UT do not exce	ed the specified	limits.			
	Emissio	nissions not recorded were more than 20dB under the specified limit.							
	Sheet 2 of 3								

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 38 of 48

Test Method:		FCC P Paraqi	art 15, Subpa aph 15.247(d	rt C, Radiat) and 15.205	ed Emissions	s, 1 GHz	to 10 GHz,		
Customer:		Graco	Children's Pro	ducts	Job No.:	R-1173P			
Test Sample:		902 to 928 Spread Spectrum Transmitter							
Model No.:		A5798					Serial No.:	2M13-C2	
Operating I	Node:	Contin	uous Transmis	sion					
Technician		F. Civit	tello/R. Reitz				Date:	2-26-2008	
Notes:	Test [Distance	: 10 Meters E	UT Channel	3	-	Femp: 21°C	Humidity:	24%
	Detec	tor: Qua	asi-Peak Belov	v 1 GHz, Pea	ak above 1 Gl	Ηz			
Frequency	Ant Pos	enna sition	EUT Orientation	Meter Readings	Correction Factor	Corr Rea	Corrected Converted Reading Reading		Limit
GHz	(V/H) /	Meters	Degrees	dBuV	dB	dB	uV/m	uV/m	uV/m
1.00									500
2,7607	Н/	1.01	76 7	38.9	1.6	Δ().5	105.9	
2.7607	V/*	1.01	135.3	39.47	1.6	41	.07	113.1	
									Í
<u> </u>									
4,601	H/	1.59	2.8	42.03	7.0	49	.03	282.8	
4.601	V/	1.08	43.4	42.43	7.0	49	.43	296.1	
									I
									İ
8.2819	H/	1.20	332.7	32.91	13.9	46	.81	219.0	
8.2819	V/*	1.50	84.8	36.25	13.9	50	.15	321.7	
10.0	The fr	auono:		from 4 OLI- to a	10 CH-				500
	The err	equency range was scanned from 1 GHz to 10 GHz.							
	Emissio	ssions not recorded were more than 20dB under the specified limit.							
	Sheet 3 of 3								

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 39 of 48

Test Photograph(s) FCC Part 15, Subpart C, Section 15.209(b) Band Edge

See the following Test Photograph(s) for test instrumentation and the EUT configuration

Test Photograph(s) Band Edge



Band Edge Setup, Antenna Position Horizontal



Band Edge Setup, Antenna Position Vertical

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 41 of 48 FCC Part 15, Subpart C, Section 15.209(b) Band Edge Test Data

Test Method:		FCC Part 15, Subpart B, Class B, Band Edge, Paragraph 15.209(b)									
Customer		Graco	Children's Pi	roducts	Job N	No.:	R-1173	C			
Test Sample:		902 to 928 Spread Spectrum Transmitter									
Model No.		A5798	}	•			Se	erial	2M13-C	2	
Operating Mode:		Contin	Continuous Transmission								
Techniciar	ו:	F. Civi	itello/R. Reitz				Da	ate:	2-21-20	08	
Notes:	Test	Distanc	e: 3 Meters				Tem	p: 5.	5°C	Humidity:	
	Deteo	ctor: Qu	uasi-Peak 1 G	GHz				-		-	
Frequen cy	Antenna Position		EUT Orientatio n	Meter Readings	1) Correction Factor	Corrected Reading		Converted Reading		Limit	
MHz	(V/H) /	Meters	Degrees	dBuV	dB	dE	3uV/m		uV/m	uV/m	
902 902	H/ [,] V/ [,]	1.62 1.28	0.0	20.01 16.21	27.1 27.1	4	7.11 3.31		226.7 146.4	500 	
928	H/ [,]	1.67	4.5	19.2	27.7	4	46.9		221.3	I	
928	V/*	1.18	0	17.2	27.7	4	14.9		175.8	500	
	_										
	1) Corr	ection fact	or includes antenn	a factor and cable l	055						
	17 0011										

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 43 of 48 Test Photograph(s) FCC Part 15, Subpart B, Section 15.207(b), Conducted Emissions, Power Leads, See the following Test Photograph(s) for test instrumentation and the EUT configuration

Test Photograph(s) Conducted Emissions



EUT Setup



Wire Dressing

Retlif Testing Laboratories, Test Report R-1173P, REV A, Graco Childrens Products, FCC ID: M6YA5798, IC#: 6162A-A5798 Page 45 of 48 FCC Part 15, Subpart C, Section 15.207(b), Conducted Emissions, Power Leads, 150 kHz to 30 MHz Test Data

Test Method, Conducted Emissions, ANSI C63.4

Customer:	Graco Children's Products
Test Sample:	902 to 928 MHz Spread Spectrum Transmitter
Test Specification:	FCC Part 15, Subpart C, 15.207 (b)
Operating Mode:	Continuous Transmission on Channel 1, Night Light on High
Operator/Date:	FC 2/20/2008
Lead Tested:	120VAC, 60 Hz, Hot Lead
Note:	Peak Passes Quasi-Peak Limit
	Average Passes Average Limit



Sheet 1 of 2

Test Method, Conducted Emissions, ANSI C63.4

Customer:	Graco Children's Products
Test Sample:	902 to 928 MHz Spread Spectrum Transmitter
Test Specification:	FCC Part 15, Subpart C, 15.207 (b)
Operating Mode:	Continuous Transmission on Channel 1, Night Light on High
Operator/Date:	FC 2/20/2008
Lead Tested:	120VAC, 60 Hz, Neutral Lead
Note:	Peak Passes Quasi-Peak Limit
	Average Passes Average Limit



Sheet 2 of 2