



Report No.: SZEM190301136602 Page: 1 of 8

RF Exposure Evaluation Report

Application No.:	SZEM1903011366CR		
Applicant:	Summer Infant, Inc.		
Address of Applicant:	1275 Park East Drive, Woonsocket, Rhode Island, United States, 02895		
Manufacturer:	EXVISION INDUSTRIES LIMITED		
Address of Manufacturer: 3/F, No. 65, Gongye 6th Road, Longyan, Humen, Dongguan, P.R.C			
Factory:	EXVISION INDUSTRIES LIMITED		
Address of Factory: 3/F, No. 65, Gongye 6th Road, Longyan, Humen, Dongguan, 523928 P.R.C			
Equipment Under Test (EUT):		
Product Name:	BABY MONITOR		
Model No.:	36134T		
Trade mark:	SUMMER		
FCC ID:	PZK-36134T		
Standards:	47 CFR Part 1.1307		
	47 CFR Part 1.1310		
Date of Receipt:	2019-03-05		
Date of Test:	2019-03-27 to 2019-03-28		
Date of Issue:	2019-03-29		
Test Result :	PASS*		

* In the configuration tested, the EUT complied with the standards specified above.

Keny. Ku

Keny Xu EMC Laboratory Manager



	Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents,
	subject to Terms and Conditions for Electronic Documents at http://www.sps.com/en/Terms-and-Conditions/Terms-e-Document.aspx.
	Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is
	advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of
	Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a
	transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced
	except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or
	appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the
	results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
	Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443.
	or email: CN.Doccheck@sos.com
1.	No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518/057 t (86-755) 2601/2053 f (86-755) 26710594 www.sgsgroup.com.cr
	中国 · 梁圳 · 科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



Report No.: SZEM190301136602 Page: 2 of 8

2 Version

Revision Record						
Version	Chapter	Date	Modifier	Remark		
01		2019-03-29		Original		

Authorized for issue by:		
	Ceo. Ci	
	Leo Li /Project Engineer	-
	Evic Fu	
	Eric Fu /Reviewer	-



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on reguest or accessible at http://www.sgs.com/en/Terms-and-Conditions.asox and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.asox and, for electronic format documents, advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not excent in the implication of the Company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not excent expertise to a transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) ters the fullest extent of 3D days on)⁵. Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (85-755)83871443, or applications of the sample(s) testing inspection report & certificate, please contact us at telephone: (85-755)83871443,

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 51(80) 57 t (86–755) 2601:2053 f (86–755) 26710594 www.sg.sgroup.com.on 邮编: 518/057 t (86-755) 2601:2053 f (86-755) 26710594 sgs.china@sgs.com

中国·深圳·科技园中区M-10栋一号厂房

Member of the SGS Group (SGS SA)



Report No.: SZEM190301136602 Page: 3 of 8

Daga

3 Contents

	Faye
COVER PAGE	1
VERSION	2
CONTENTS	3
GENERAL INFORMATION	4
4.1 GENERAL DESCRIPTION OF EUT	
4.2 Test Location	5
4.3 TEST FACILITY	5
4.4 DEVIATION FROM STANDARDS	6
4.5 ABNORMALITIES FROM STANDARD CONDITIONS	6
4.6 OTHER INFORMATION REQUESTED BY THE CUSTOMER	6
RF EXPOSURE EVALUATION	
5.1 RF EXPOSURE COMPLIANCE REQUIREMENT	7
5.1.1 Limits	7
5.1.2 Test Procedure	7
4.1.3 EUT RF EXPOSURE EVALUATION	
	VERSION CONTENTS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on reguest or accessible at http://www.sgs.com/en/Terms-and-Conditions.asox and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.asox and, for electronic format documents, advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not excore the vacore take approximation of the Company sole responsibility is to its Client and this document does not excore the parties to a transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this tereport refer only to the sample(s) terested and such as maple(s) are related for 30 days on). Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_DoccheckBass.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 51(80) 57 t (86–755) 2601:2053 f (86–755) 26710594 www.sg.sgroup.com.on 中国·深圳·科技园中区M-10栋一号厂房

邮编: 518057 t (86-755) 2601:2053 f (86-755) 26710594 sgs.china@sgs.com



> Report No.: SZEM190301136602 Page: 4 of 8

4 General Information

4.1 General Description of EUT

Power supply:	DC 7.5V
	Adapter Model:P6 0750500
	Input:AC 100~240V 50/60Hz 250mA
	Output:DC 7.5V 500mA
Cable:	DC cable: 370cm unshielded
Operation Frequency:	2410.875MHz-2471.625MHz
Modulation Type:	GFSK
Number of Channels:	19
Channel Spacing:	3.375MHz
Antenna Type:	PIFA Antenna
Antenna Gain:	0dBi



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on reguest or accessible at http://www.sgs.com/en/Terms-and-Conditions.asox and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.asox and, for electronic format documents, advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not excent in the implication of the Company's findings at the time of its intervention only and within the limits of client's instructions, if any. The Company's sole responsibility is to its Client and this document does not excent experts to a transaction from exercising all their rights and obligations under the transaction documents. This document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) ters retained for 3D days on)⁵. Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443,

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518/057 t (86–755) 2601/2053 f (86–755) 26710594 www.sgsgroup.com.cn

中国・深圳・科技園中区M-10栋一号厂房

邮编: 518/057 t (86-755) 2601:2053 t (86-755) 26710594 sgs.china@sgs.com



Report No.: SZEM190301136602 Page: 5 of 8

4.2 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053 Fax: +86 (0) 755 2671 0594 No tests were sub-contracted.

4.3 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

FCC – Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleef, available on reguest or accessible at http://www.sgs.com/en/Terms-and-Conditions.sgs.go.ml, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions.sgs.go.ml, for electronic format documents, advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not excente parties to a transaction from exercising all their rights and obligations under the transaction documents. Instructions, if any of the content or appearance of this document is unavhul and clienders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report reference to the sample(s) tested and such sample(s) are retained for 3D days only. Attention: To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.DoccheckBass.com

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518:057 t (86-755) 2601:2053 f (86-755) 2671:0694 中国 • 深圳 • 科技园中区M-10栋---号厂房 邮籍: 518:057 t (86-755) 2601:2053 f (86-755) 2671:0694

-755) 26710694 www.sgsgroup.com.cn -755) 26710594 sgs.china@sgs.com



Report No.: SZEM190301136602 Page: 6 of 8

- 4.4 Deviation from Standards None.
- 4.5 Abnormalities from Standard Conditions

None.

4.6 Other Information Requested by the Customer

None.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on reguest or accessible at http://www.scs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.scs.com/en/Terms-and-Conditions.aspx.and, for electronic format documents, advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not excent the reproduced except in full, without prior written approval of the Company. Any unathorized alteration, forgery or faisification of the company sole responsibility is to the fullest extend to the law. Unless otherwise stated the results shown in this terreport referonly to the sample(s) tested and such sample(s) are retained for 30 days only. Attempton: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (85-755) 8307 1443, nly. hone: (86-755) 8307 1443,

中国・深圳・科技園中区M-10栋一号厂房

No.1 Workshop, M-10, Midde Section, Science & Technology Park, Shenzhen, China 518/057 t (86–755) 2601/2053 f (86–755) 26710594 www.sgsgroup.com.on 邮编: 518/057 t (86-755) 2601:2053 f (86-755) 26710594 sgs.china@sgs.com



Report No.: SZEM190301136602 Page: 7 of 8

5 **RF Exposure Evaluation**

5.1 RF Exposure Compliance Requirement

5.1.1 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b) TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)	
(A) Lim	its for Occupational	I/Controlled Exposu	res		
0.3–3.0	614	1.63	*(100)	6	
3.0–30	1842/f	4.89/f	*(900/f2)	6	
30–300	61.4	0.163	1.0	6	
300–1500			f/300	6	
1500-100,000			5	6	
(B) Limits	for General Populati	on/Uncontrolled Exp	oosure		
0.3–1.34	614	1.63	*(100)	30	
1.34-30	824/f	2.19/f	*(180/f ²)	30	

0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

F= Frequency in MHz

Friis Formula

Friis transmission formula: $Pd = (Pout^*G)/(4^* Pi^* R 2)$

Where

Pd = power density in mW/cm2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

Pd id the limit of MPE, 1 mW/cm2. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

5.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overlear, available on request or accessible at http://www.ssa.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.ssa.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unavful and offenders may be prosecuted to the fullest extent of the law. Unless otherwises stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 3D days only. Attention: To check the authenticity of testing linespection report & certificate, please contact us at tidephone: (86-755) 8307 1443, or email: <u>CN.Ocecheck@sass.com</u> No.1 Workhow. M10. Midde Sector.Science & Technoley Park. Sengten, Ching. 519207 1 (86-755) 26710694 www.sasoroup.com.no.

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 2601/2053 f (86-755) 2671/0594 www.sgsgroup.com. 中国 • 梁圳 • 科技国中区M--10核—号厂的 邮箱: 518:057 t (86-755) 2601/2053 f (86-755) 2671/0594 sgs.china@sgs.com



Report No.: SZEM190301136602 Page: 8 of 8

4.1.3 EUT RF Exposure Evaluation

Antenna Gain: 0dBi

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 1 in linear scale. Output Power Into Antenna & RF Exposure Evaluation Distance:

Channel	Frequency	Max Conducted	Output Power	Power Density	Limit	Result
	(MHz)	Peak Output	to Antenna	at R = 20 cm	(mW/cm ²)	
		Power (dBm)	(mW)	(mW/cm²)		
Highest	2471.625	17.49	56.10	0.011	1.0	PASS

Note: Refer to report No. SZEM190301136601 for EUT test Max Conducted Peak Output Power value. The distance r (4th column) calculated from the Fries transmission formula is far greater than 20 cm separation requirement.

- End of the Report -



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.gas.com/en/Terms-and-Conditions.apy.and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.gas.com/en/Terms-and-Conditions/Terms-And-Conditions/Terms-And-Conditions/

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518/057 t (86-755) 2601/2053 f (88-755) 26710594

中国·深圳·科技园中区M-10栋一号厂房

,China 518057 t (86-755)2601:2053 f (86-755)26710594 www.sgsgroup.com.cn 前第:518057 t (86-755)2601:2053 f (86-755)26710594 sgs.china@sgs.com