



Product Service

## FCC - TEST REPORT

Report Number : **68.760.11.305.01** Date of Issue: 20 October 2011

Model : SCD486-R1, SCD486-R2, SCD485-R, SCD484-R

Product Type : Baby Monitor (Parent Unit)

Applicant : Philips Consumer Lifestyle.

Address : 600 Summer Street Stamford, CT 06905, United States

Production Facility : Huiyang CCT Telecommunications Products Co., Ltd.

Address : CCT technology Park, San He Economic  
Development Zone, Huiyang District, Huizhou City,  
Guangdong Province, China

Test Result :  **Positive**  **Negative**

Total pages including  
Appendices : 14

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*Jiangsu TÜV Product Service Ltd. – Shenzhen Branch reports apply only to the specific samples tested under stated test conditions. Construction of the actual test samples has been documented. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. The manufacturer/importer is responsible to the Competent Authorities in Europe for any modifications made to the production units which result in non-compliance to the relevant regulations. Jiangsu TÜV Product Service Ltd. – Shenzhen Branch shall have no liability for any deductions, inferences or generalizations drawn by the client or others from Jiangsu TÜV Product Service Ltd. – Shenzhen Branch issued reports.*

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## 2 Details about the Test Laboratory

### Details about the Test Laboratory

#### Test Site 1

Company name: Jiangsu TÜV Product Service Ltd. – Shenzhen Branch  
6th Floor, H Hall,  
Century Craftwork Culture Square,  
No. 4001, Fuqiang Road,  
Futian District 518048,  
Shenzhen,P.R.C.

Telephone: 86 755 8828 6998  
Fax: 86 755 8828 5299

#### Test Site 2

Company name: Audix Technology (shenzhen) Co.,Ltd  
Block Shenzhen, Science & Industry Park,  
Nantou, Shenzhen,  
Guangdong,  
China

Telephone: 86 755 2663 9496  
Fax: 86 755 2663 2877



### 3 Description of the Equipment Under Test

Product:	Baby Monitor
Model no.:	SCD486-R1
Serial number:	NIL
Options and accessories:	NIL
Rated Voltage:	Input Rated Voltage: 6VDC (3 AA batteries) Test with external adaptor: Adaptor input: 100-240VAC, 50-60Hz, 0.1A; Adaptor Output: 6.0VDC, 300mA
Rated Power:	NIL
Rated Current:	NIL
Frequency:	NIL
Remark:	NIL



#### 4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart B	Unintentional Radiators



## 5 Summary of Test Results

Emission Tests					
FCC Part 15 Subpart B					
Test Condition	Pages	Test Location	Test Result		
			Pass	Fail	N/A
Radiated Emission 30MHz to 1000MHz	8	Test Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conducted Emission on AC 150kHz to 30MHz	11	Test Site 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## 6 General Remarks

### Remarks

This submittal(s) (test report) is intended for FCC ID in below table filing to comply with Section 15.107, 15.109 of the FCC Part 15, Subpart B Rules.

Model No.	FCC ID
SCD486-R1	BOUSCD486H1
SCD486-R2	BOUSCD486H1
SCD485-R	BOUSCD485H
SCD484-R	BOUSCD484H

The SCD486-R1, SCD486-R2, SCD485-R and SCD484-R are the Parent Unit of Baby monitor, which was identical, except the Model no. and the FCC ID. So full tests were applied on model SCD486-R1 and the test result was recorded in this report, the models SCD486-R2, SCD485-R, and SCD484-R are deemed to fulfill relevant requirement without further testing.

### SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: 10 October 2011

Testing Start Date: 20 October 2011

Testing End Date: 20 October 2011

Jiangsu TÜV Product Service Ltd. – Shenzhen Branch -

Reviewed by:

Prepared by:

Tested by:



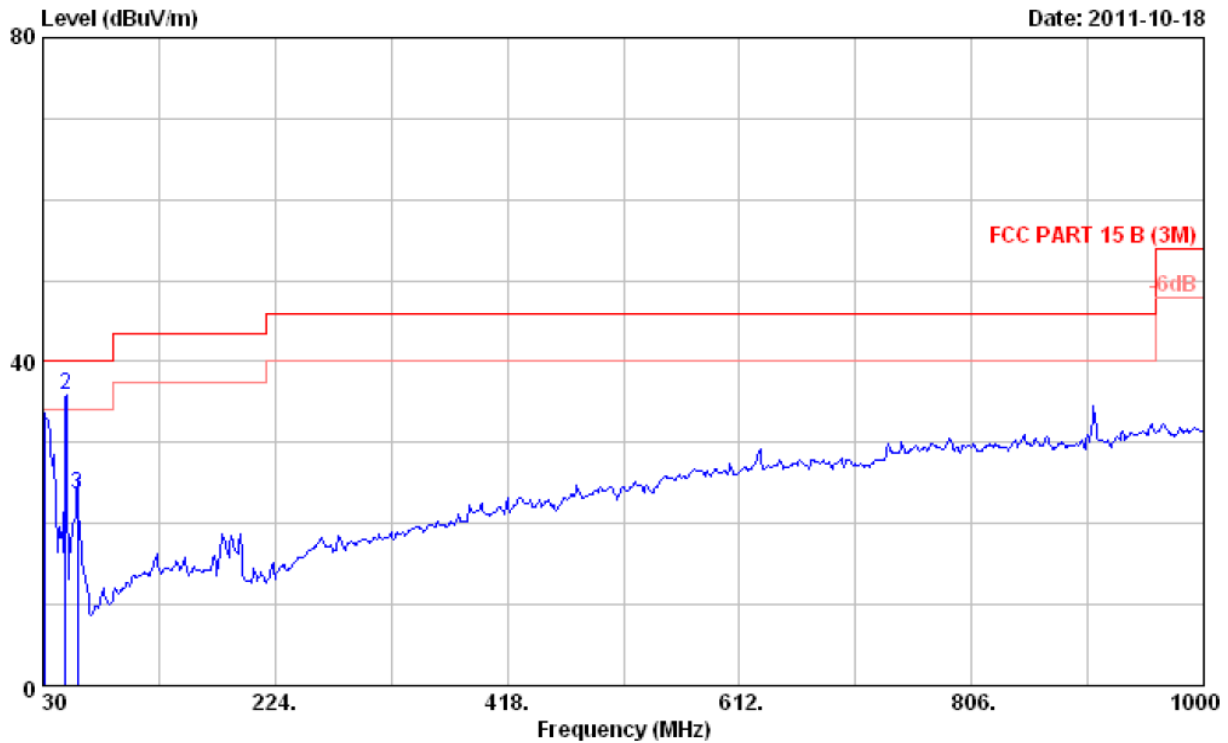
Paul Yu  
Assistant EMC Manager

Phoebe Hu  
Senior EMC Project Engineer

Sunny Lu  
Test Engineer

## 7 Emission Test Results

### 7.1 Radiated Emission Test 30MHz – 1000MHz



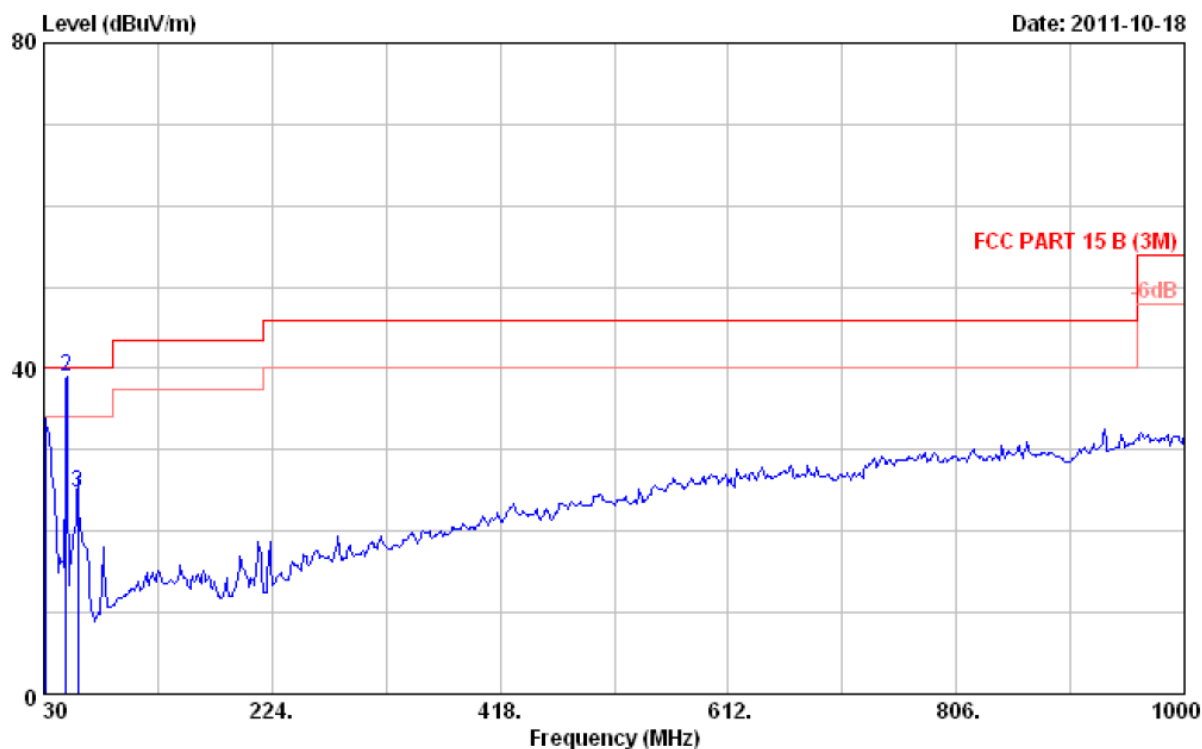
Site no.	: 3m Chamber	Data no.	: 1
Dis. / Ant.	: 3m 2010 CBL6111C 2598	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15 B (3M)	Engineer	: Jolly_Xu
Env. / Ins.	: 24°C/56%		
EUT	: Baby Monitor-SCD486		
Power rating	: AC 120V/60Hz		
Test Mode	: Parent Unit		

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	31.940	18.88	0.61	11.53	31.02	40.00	8.98	QP
2	49.000	9.72	0.82	25.33	35.87	40.00	4.13	SG Noise
3	59.100	6.22	0.89	16.58	23.69	40.00	16.31	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
2. The emission levels that are 20dB below the official limit are not reported.



## Radiated Emission Test 30MHz – 1000MHz



Site no. : 3m Chamber  
 Dis. / Ant. : 3m 2010 CBL6111C 2598  
 Limit : FCC PART 15 B (3M)  
 Env. / Ins. : 24°C/56%  
 EUT : Baby Monitor-SCD486  
 Power rating : AC 120V/60Hz  
 Test Mode : Parent Unit  
 Data no. : 2  
 Ant. pol. : VERTICAL  
 Engineer : Jolly\_Xu

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			Remark
					Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	31.940	18.88	0.61	11.66	31.15	40.00	8.85	QP
2	49.000	9.72	0.82	28.43	38.97	40.00	1.03	SG Noise
3	59.100	6.22	0.89	17.54	24.65	40.00	15.35	QP

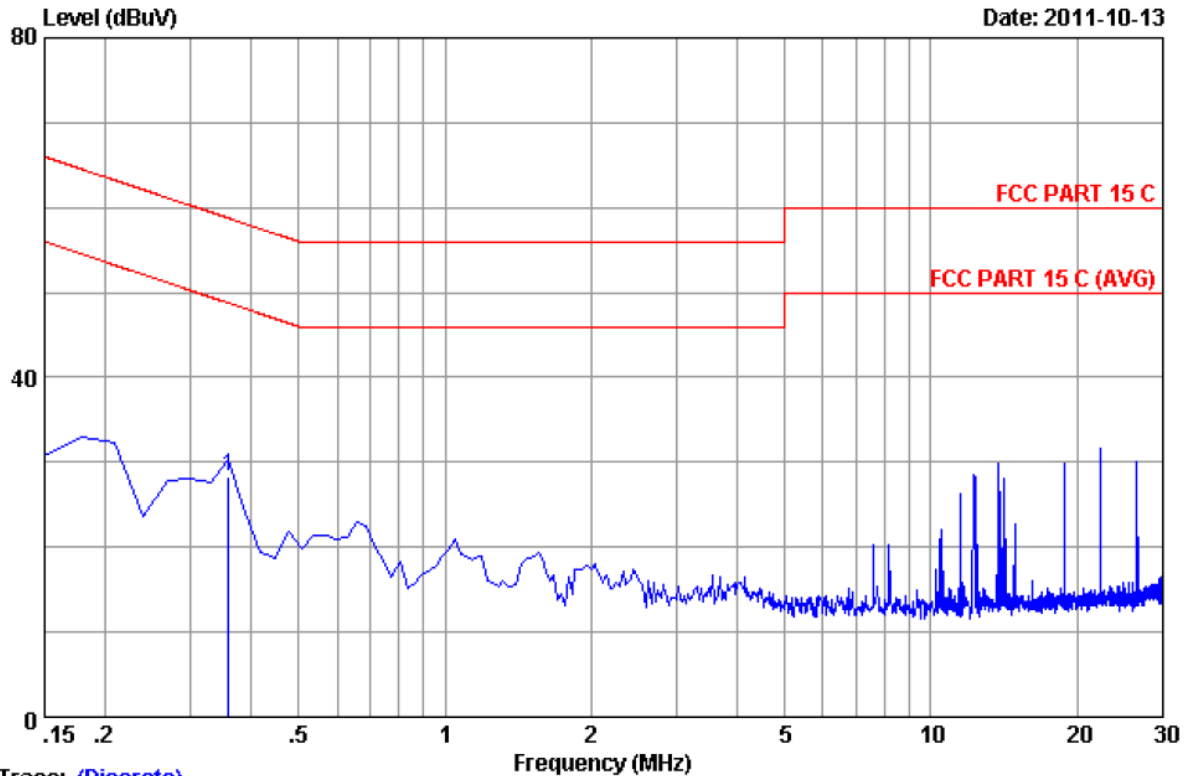
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. The emission levels that are 20dB below the official limit are not reported.



## Test Equipment List

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 12
Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 12
Amplifier	HP	8447D	2648A04738	May.08, 12
Bilog Antenna	Schaffner	CBL6111C	2598	Dec.14, 11
RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May.08, 12
Coaxial Switch	Anritsu	MP59B	M73989	May.08, 12

## 7.2 Conducted Emission Test 150kHz – 30MHz



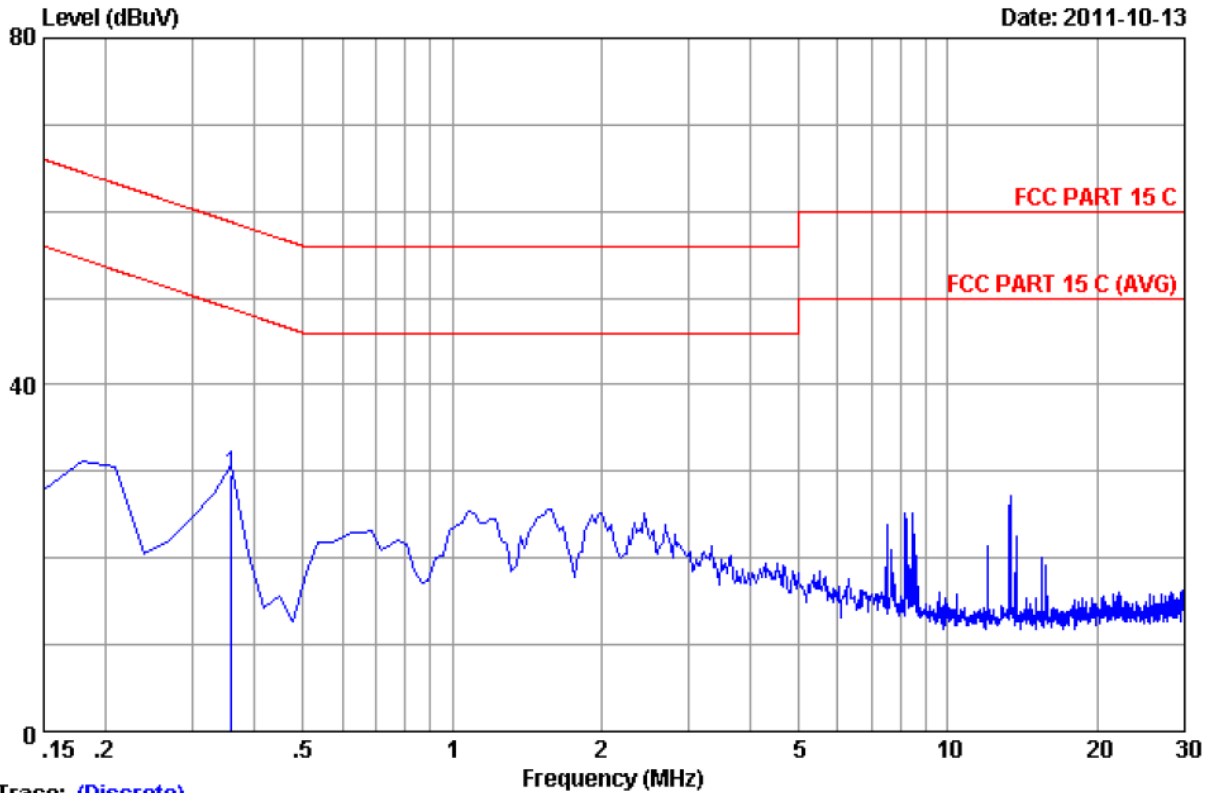
**Trace: (Discrete)**

Site no	:1#conduction	Data No	:3
Dis./Ant.	::** 2011 ESH2-25 LINE		
Limit	:FCC PART 15 C		
Env./Ins.	:29.5°C/55%	Engineer	:Restar
EUT	:Parent Unit SCD486		
Power Rating	:AC 120V/60Hz		
Test Mode	:Tx&Rx On		

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.35895	0.18	9.98	18.19	28.35	58.75	30.40	QP

Remarks: 1. Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.  
 2. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

## Conducted Emission Test 150kHz – 30MHz



**Trace: (Discrete)**

Site no :1#conduction Data No :4  
 Dis./Ant. :\*\* 2011 ESH2-25 NEUTRAL  
 Limit :FCC PART 15 C  
 Env./Ins. :29.5\*C/55% Engineer :Restar  
 EUT :Parent Unit SCD486  
 Power Rating :AC 120V/60Hz  
 Test Mode :Tx&Rx On

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.35895	0.22	9.98	19.53	29.73	58.75	29.02	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading.  
 2.If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.



## Test Equipment List

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Dec.18, 11
L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	834066/011	Mar.30, 12
Terminator	Hubersuhner	50Ω	No. 1	May.08, 12
RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 12
Coaxial Switch	Anritsu	MP59B	M55367	May.08, 12
Passive Probe	Rohde & Schwarz	ESH2-Z3	299.7810.52	May.08, 12
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 12

## 8 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

### System Measurement Uncertainty

	Items	Extended Uncertainty
RE	Field strength (dB $\mu$ V/m)	U=4.32dB (30MHz-25GHz)
CE	Disturbance Voltage (dB $\mu$ V)	U=2.4dB