

Prüfbericht-Nr.: <i>Test report No.:</i>	60364207 001	Auftrags-Nr.: <i>Order No.:</i>	168150307	Seite 1 von 24 <i>Page 1 of 24</i>
Kunden-Referenz-Nr.: <i>Client reference No.:</i>	N/A	Auftragsdatum: <i>Order date.:</i>	15.01.2020	
Auftraggeber: <i>Client:</i>	Binatone Electronics International Ltd. Floor 23A, 9 Des Voeux Road West, Sheung Wan, Hong Kong			
Prüfgegenstand: <i>Test item:</i>	4.3" Video Baby Monitor (Parent Unit)			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	EASE34PU, MBP44APU, MBP482ANXLP, MBP483XLP (Trademark: motorola)			
Auftrags-Inhalt: <i>Order content:</i>	FCC and IC approval			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109			
Wareneingangsdatum: <i>Date of receipt:</i>	15.01.2020	Please refer to photo documents		
Prüfmuster-Nr.: <i>Test sample No.:</i>	A001046222-001-002			
Prüfzeitraum: <i>Testing period:</i>	15.01.2020 - 08.04.2020			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
02.06.2020  Ryan Yang / Assistant Project Manager		02.06.2020  Winnie Hou / Technical Certifier		
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>
Sonstiges / Other:				
FCC ID: VLJ-EASE34PU IC: 4522A-EASE34PU HVIN: EASE34PU				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged:</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specifications(s) F(ail) = failed a.m. test specifications(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 99% BANDWIDTH

RESULT: Pass

5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH

RESULT: Pass

5.1.5 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.6 20dB BANDWIDTH

RESULT: Pass

5.1.7 CARRIER FREQUENCY SEPARATION

RESULT: Pass

5.1.8 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.9 TIME OF OCCUPANCY

RESULT: Pass

5.1.10 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

5.1.11 RADIATED EMISSION

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of 2.4GHz FHSS

Appendix C: Test Results of Part 15B and ICES 003

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China

FCC Accreditation Designation No.: CN1260

ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

TÜV Rheinland (Shenzhen) Co., Ltd.

Radio Spectrum Testing				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Wireless Connectivity Tester	R&S	CMW270	101375	20.08.2020
Signal Analyzer	R&S	FSV 40	101441	20.08.2020
Vector Signal Generator	R&S	SMBV100A	263301	21.08.2020
Signal Generator	R&S	SMB100A	115186	21.08.2020
OSP	R&S	OSP 150	101017	20.12.2019
Control PC	DELL	OptiPlex 7050	FTJZ9P2	N/A
Test Software	R&S	WMS32 (V10.40.10)	N/A	N/A
Power Meter	R&S	NRP2	107105	20.12.2019
Wideband Power Sensor	R&S	NRP-Z81	105350	20.12.2019
Spurious Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Signal Generator	R&S	SMB100A	180840	20.08.2020
Wideband Radio Communication Tester	R&S	CMW500	165339	20.08.2020
Signal Analyzer	R&S	FSV 40	101440	20.08.2020
System Controller Interface	R&S	SCI-100	S10010036	N/A
Filterbank	R&S	CDMA	100751	21.08.2020
Filterbank	R&S	GSM	100811	21.08.2020
OSP	R&S	OSP 120	102041	N/A

OSP	R&S	OSP 150	101385	N/A
Pre-amplifier	R&S	SCU08F1	08320030	20.08.2020
Amplifier	R&S	SCU-18F	180079	20.08.2020
Amplifier	R&S	SCU40A	100450	20.08.2020
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	192	02.09.2020
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218719	02.09.2020
Wideband Ridged Horn Antenna (12-18 GHz)	Steatite	QMS-00208	18312	02.09.2020
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19066	02.09.2020
Conducted Emission on AC Mains				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102428	19.08.2020
Artificial Mains Network	R&S	ENV216	102333	19.08.2020
Radiated Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR7	102022	19.08.2020
Bilog Antenna	TESEQ	CBL6112D	51321	29.08.2020

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-7}$
RF Power (conducted)	± 2.5 dB
Radiated Emission of Transmitter, valid up to 26.5 GHz	± 6 dB
Radiated Emission of Receiver, valid up to 26.5 GHz	± 6 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB
Radiated Emission (3m SAC), 30MHz to 1000MHz	± 4.52 dB
Radiated Emission (3m SAC), above 1000MHz	± 4.37 dB
Temperature	± 1 °C
Humidity	± 5 %
Voltage (DC)	± 1 %
Voltage (AC, <10kHz)	± 2 %

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B & C of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd.. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a parent unit (monitor) of one of the 4.3" Video Baby Monitor, which supports 2.4GHz FHSS wireless technology.

According to the declaration of the applicant, the electrical circuit design, PCB layout and components used are identical for all models, only the model number is different.

The parent unit is supplied by external adapters and battery, see below table for details:

Test EUT (Model No.)	Parent Unit		Supplier
	Supported	Tested	
Adapter #1 (YWK-AD050060-U)	☒	☒	YWK
Adapter #2 (BQ05A-0500600-U)	☒	☒	BECKY
Battery #1 (5C)	☒	☒	TMB

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment	4.3" Video Baby Monitor (Parent Unit)
Type Designation	EASE34PU, MBP44APU, MBP482ANXLP, MBP483XLP
Trade Mark	motorola
FCC ID	VLJ-EASE34PU
IC	4522A-EASE34PU
HVIN	EASE34PU
Operating Voltage	DC 5.0V@600mA input via AC/DC adapter DC 3.7V@1200mA input via Lithium-Ion battery
Testing Voltage	AC 120V@60Hz Fully charged battery for parent unit
AC/DC Adapter #1	Model: YWK-AD050060-U (YWK) Input: AC 100-240V~50/60Hz, 300mA Output: DC 5.0V@600mA
AC/DC Adapter #2	Model: BQ05A-0500600-U (BECKY) Input: AC 100-240V~50/60Hz, 300mA Output: DC 5.0V@600mA
Battery	Model: 5C (TMB) Input: DC 3.7V/1200mAh 4.44Wh

Technical Specification of 2.4GHz FHSS	
Operating Frequency	2402 - 2477 MHz
Type of Modulation	GFSK
Channel Number	22 channels
Channel Separation	2 MHz, 5 MHz
Antenna Type	Integral antenna
Antenna Gain	0 dBi

Table 3: RF Channel and Frequency of 2.4GHz FHSS

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
01	2402	07	2420	13	2450	19	2471
02	2404	08	2425	14	2455	20	2473
03	2406	09	2430	15	2460	21	2475
04	2408	10	2435	16	2465	22	2477
05	2410	11	2440	17	2467	/	/
06	2415	12	2445	18	2469	/	/

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2477 MHz for 2.4GHz FHSS.

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, 2.4GHz FHSS wireless transmitting mode
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. On, Transmitting on hopping channel
- C. On, Charging mode
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- FCC/IC Label and Location Info

- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014.

According to clause 3.1, all tests were performed on model EASE34PU in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 4: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	Lenovo	T480	PF-16A6N8	N/A
4.3" Video Baby Monitor (Baby Unit)	King Chuang	EASE34BU	N/A	N/A

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

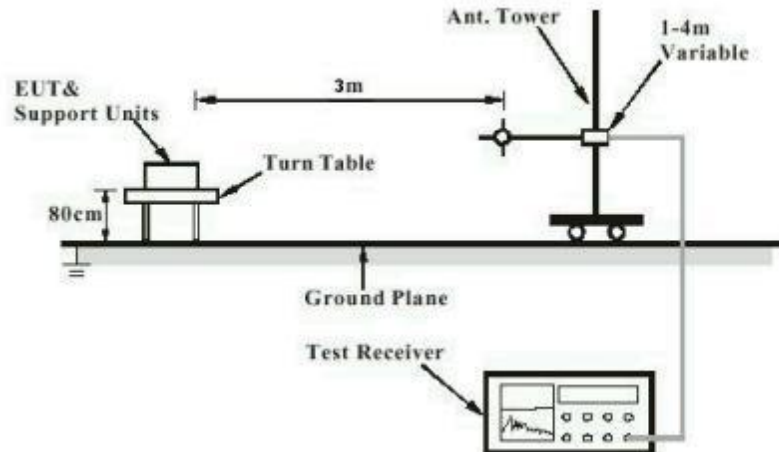


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

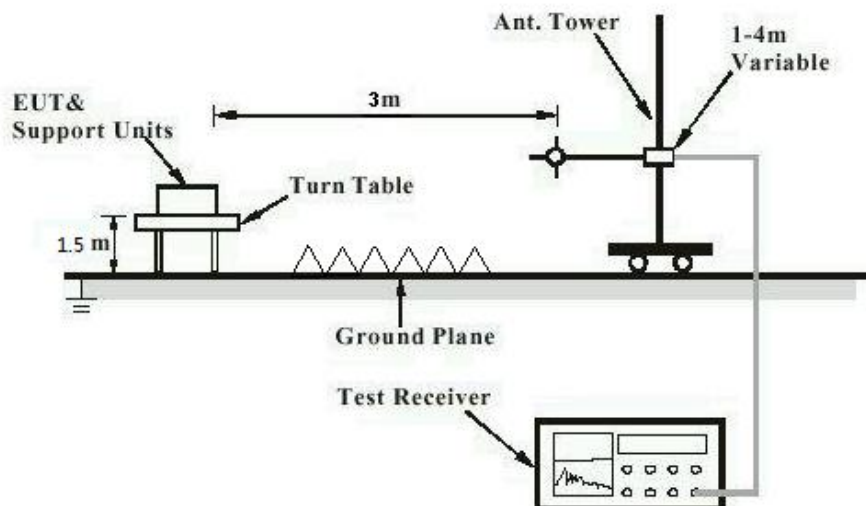


Diagram of Measurement Configuration for Mains Conduction Measurement

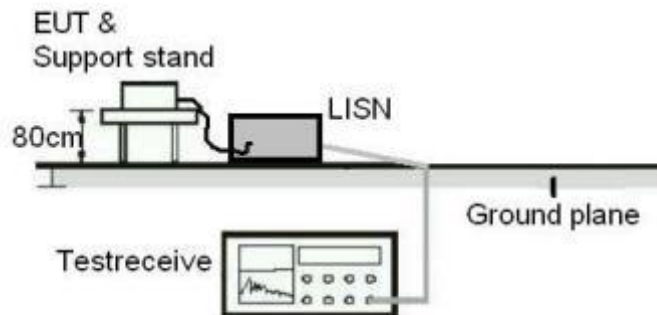
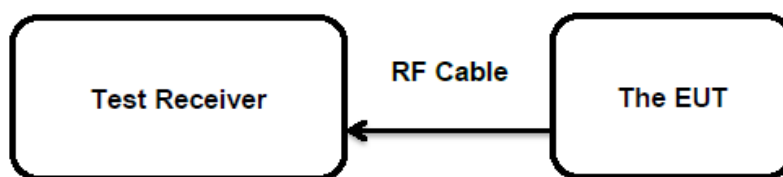


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass****Test Specification**

Test standard : FCC Part 15.247(b)(4) and Part 15.203

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum Peak Conducted Output Power

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(b)(1)
RSS-247 Clause 5.4(b)

Basic standard : ANSI C63.10: 2013

Limits : < 0.125 Watts

Kind of test site : Shielded Room

Test Setup

Date of testing : 07.03.2020

Input voltage : AC 120V@60Hz

Operation mode : A

Test channel : Low / Middle / High

Ambient temperature : 25 °C

Relative humidity : 56 %

Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 5: Test Result of Maximum Peak Conducted Output Power, 2.4GHz FHSS

Test Mode	Test Channel (MHz)	Measured Peak Power		Limit (W)
		(dBm)	(W)	
FHSS	Low CH	19.89	0.0975	< 0.125
	Middle CH	19.34	0.0859	
	High CH	18.98	0.0791	
Maximum Measured Value		19.89	0.0975	

Note:

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G) of FHSS: 0 dBi,
e.i.r.p. = $P_{(Peak\ power)} + G$, which is far below the 4 W

5.1.3 99% Bandwidth

RESULT:**Pass****Test Specification**

Test standard : RSS-Gen Clause 6.6
Basic standard : ANSI C63.10: 2013
Kind of test site : Shielded Room

Test Setup

Date of testing : 07.03.2020
Input voltage : AC 120V@60Hz
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 56 %
Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 6: Test Result of 99% Bandwidth, 2.4GHz FHSS

Test Mode	Test Channel (MHz)	99% Bandwidth (MHz)	Limit
FHSS	Low CH	2.26	/
	Middle CH	2.22	
	High CH	2.39	
Maximum Measured Value		2.39	

For the measurement records, refer to the appendix B.

5.1.4 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) RSS-247 Clause 5.5
Basic standard	: ANSI C63.10: 2013
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 07.03.2020
Input voltage	: AC 120V@60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix B.

5.1.5 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 3.3
Basic standard	: ANSI C63.10: 2013
Limits	: FCC Part 15.209(a) RSS-Gen Table 5&6
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: Refer to test result
Input voltage	: AC 120V@60Hz
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 22 °C
Relative humidity	: 53 %
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix B.

5.1.6 20dB Bandwidth

RESULT:**Pass****Test Specification**

Test standard : FCC Part 15.247(a)(1)
RSS-247 Clause 5.1(a)
Basic standard : ANSI C63.10: 2013
Kind of test site : Shielded Room

Test Setup

Date of testing : 07.03.2020
Input voltage : AC 120V@60Hz
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 56 %
Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 7: Test Result of 20dB Bandwidth, 2.4GHz FHSS

Test Mode	Test Channel (MHz)	20dB Bandwidth (kHz)	2/3 of 20dB Bandwidth (kHz)	Limit (MHz)
FHSS	Low CH	2620.00	1746.67	/
	Middle CH	2610.00	1740.00	
	High CH	2660.00	1773.33	
Maximum Measured Value		2660.00	1773.33	

For the measurement records, refer to the appendix B.

5.1.7 Carrier Frequency Separation

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(a)(1)
RSS-247 Clause 5.1(b)

Basic standard : ANSI C63.10: 2013

Limits : $\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth, whichever is greater

Kind of test site : Shielded Room

Test Setup

Date of testing : 07.03.2020

Input voltage : AC 120V@60Hz

Operation mode : B

Test channel : Low / Middle / High

Ambient temperature : 25 °C

Relative humidity : 56 %

Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 8: Test Result of Carrier Frequency Separation, 2.4GHz FHSS

Test Mode	Test Channel	Test Channel (MHz)	Measured Channel Separation (KHz)	Limit (kHz)
FHSS	Low Channel	2402.00	1930.69	≥ 25kHz or 2/3 of 20dB bandwidth
	Adjacency Channel	2404.00		
	Middle Channel	2440.00	5049.50	
	Adjacency Channel	2435.00		
	High Channel	2477.00	1930.69	
	Adjacency Channel	2475.00		

Note: The limit is maximum $2/3$ of the 20 dB bandwidth: 1773.33 KHz.

For the measurement records, refer to the appendix B.

5.1.8 Number of Hopping Frequency

RESULT:

Pass

Test Specification

Test standard : FCC part 15.247(a)(1)(iii)
RSS-247 Clause 5.1(d)
Basic standard : ANSI C63.10: 2013
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shielded Room

Test Setup

Date of testing : 07.03.2020
Input voltage : AC 120V@60Hz
Operation mode : B
Ambient temperature : 25 °C
Relative humidity : 56 %
Atmospheric pressure : 101 kPa

For details refer to following test result.

Table 9: Test Result of Number of Hopping Frequency, 2.4GHz FHSS

Test Mode	Frequency Range	Measured Quantity of Hopping Channel	Limit
FHSS	2402 - 2477 MHz	22	≥ 15

For the measurement records, refer to the appendix B.

5.1.9 Time of Occupancy

RESULT:**Pass****Test Specification**

Test standard : FCC part 15.247(a)(1)(iii)
RSS-247 Clause 5.1(d)
Basic standard : ANSI C63.10: 2013
Limits : < 0.4s
Kind of test site : Shielded Room

Test Setup

Date of testing : 07.03.2020
Input voltage : AC 120V@60Hz
Operation mode : B
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative humidity : 56 %
Atmospheric pressure : 101 kPa

Note:

Dwell time = Pulse width x Number of channels in Period
Period = 0.4 (seconds/ channel) x 22 (channel) = 8.8 seconds

For the measurement records, refer to the appendix B.

5.1.10 Conducted Emission on AC Mains**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.207(a) & FCC Part 15.107(a) RSS-Gen Clause 8.8 & ICES-003
Basic standard	: ANSI C63.10: 2013 & ANSI C63.4: 2014
Frequency range	: 0.15 – 30MHz
Limits	: FCC Part 15.207(a) & FCC Part 15.107(a) RSS-Gen Table 3 & ICES-003 Table 2
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 02.04.2020
Input voltage	: AC 120V@60Hz
Operation mode	: B, C
Earthing	: Not connected
Ambient temperature	: 24 °C
Relative humidity	: 53 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B & C.

5.1.11 Radiated Emission**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.109(a) ICES-003
Basic standard	: ANSI C63.4: 2014
Frequency range	: 30MHz to 5th harmonic of the highest frequency
Classification	: Class B
Limits	: FCC Part 15.109(a) ICES-003 Table 5 & Table 7
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: Refer to test result
Input voltage	: AC 120V@60Hz
Operation mode	: C
Earthing	: Not connected
Ambient temperature	: 24 °C
Relative humidity	: 53 %
Atmospheric pressure	: 101 kPa

Note: The measurement results 6GHz to 5th harmonic were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 6GHz were reported.

For the measurement records, refer to the appendix D.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

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Appendix B.1: Test Results of 99% Bandwidth

Low Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99% (2402 MHz; 18.000 dBm; 2 MHz; Test Mode)

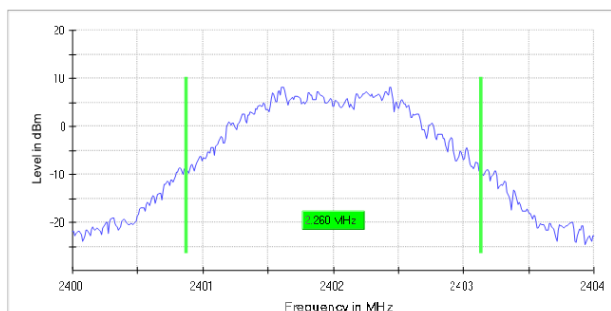
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	2.260000	---	---	2400.875000	2403.135000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	6 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.17 dB	0.30 dB

Middle Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99%(2440 MHz; 18.000 dBm; 2 MHz; Test Mode)

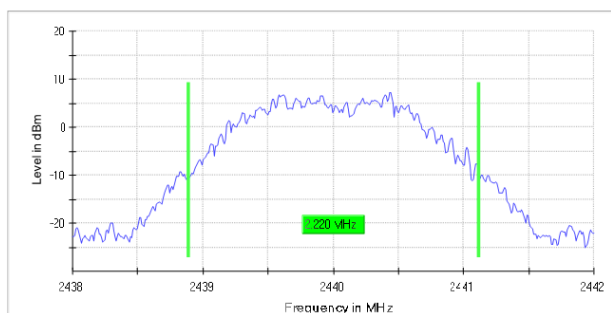
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	2.220000	---	---	2438.895000	2441.115000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2440.000000	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43800 GHz	2.43800 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.26 dB	0.30 dB

High Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Occupied Channel Bandwidth 99%(2477 MHz; 18.000 dBm; 2 MHz; Test Mode)

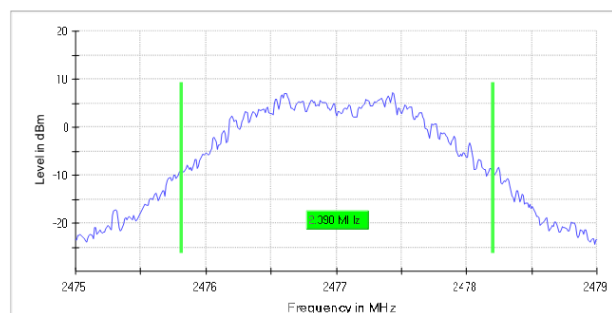
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2477.000000	2.390000	---	---	2475.815000	2478.205000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2477.000000	PASS



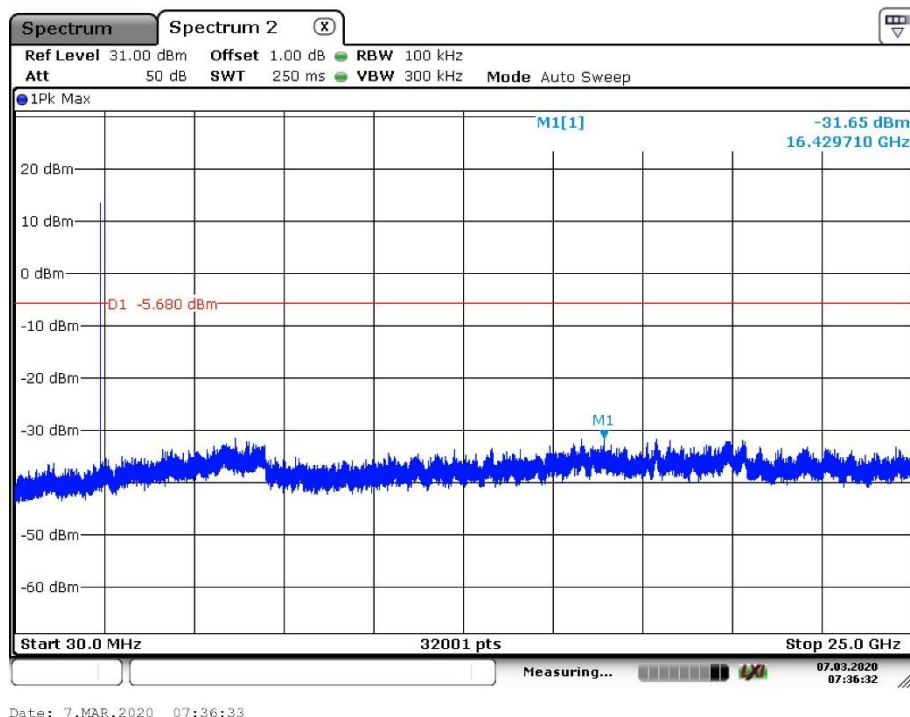
Bandwidth

Measurement

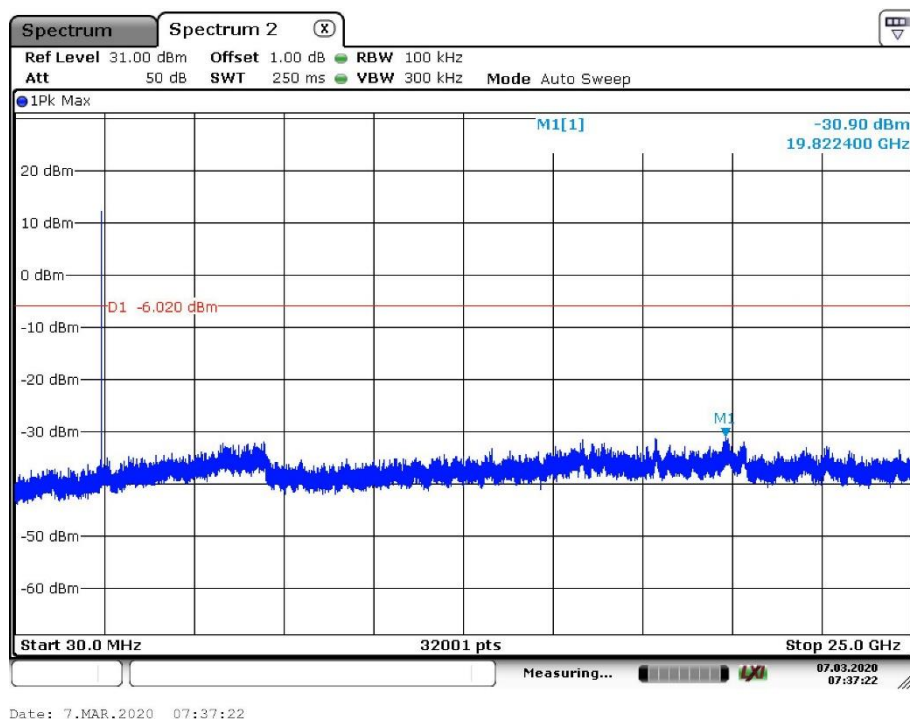
Setting	Instrument Value	Target Value
Start Frequency	2.47500 GHz	2.47500 GHz
Stop Frequency	2.47900 GHz	2.47900 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.13 dB	0.30 dB

Appendix B.2: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

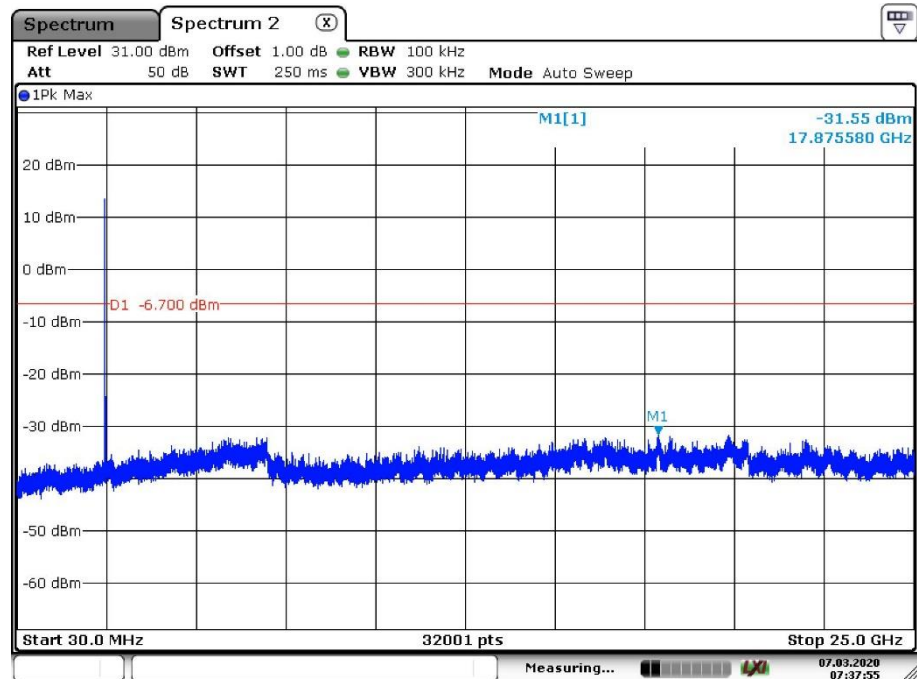
Low Channel



Middle Channel

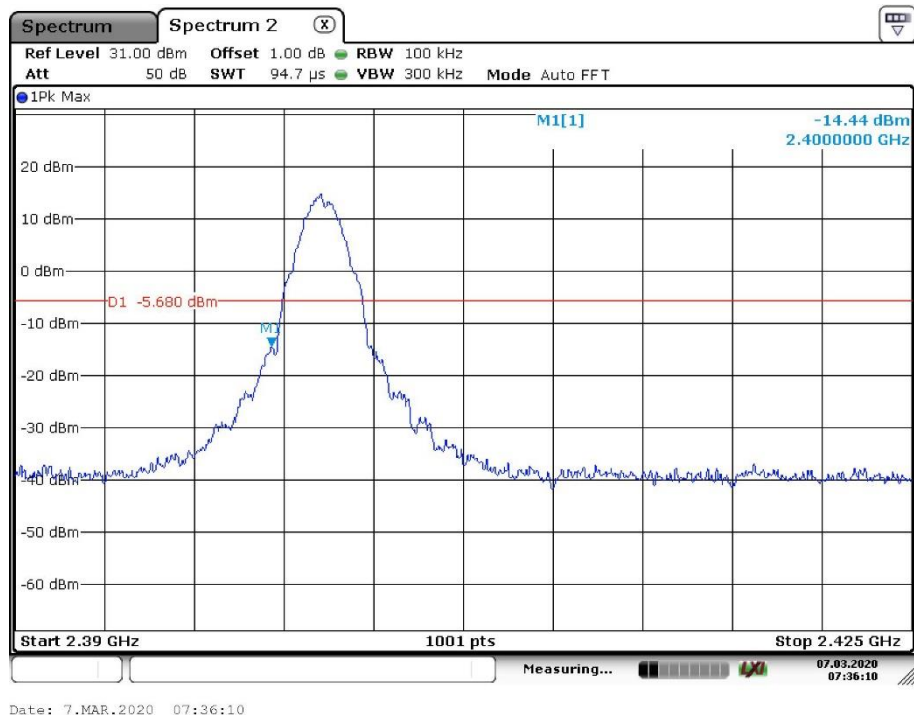


High Channel

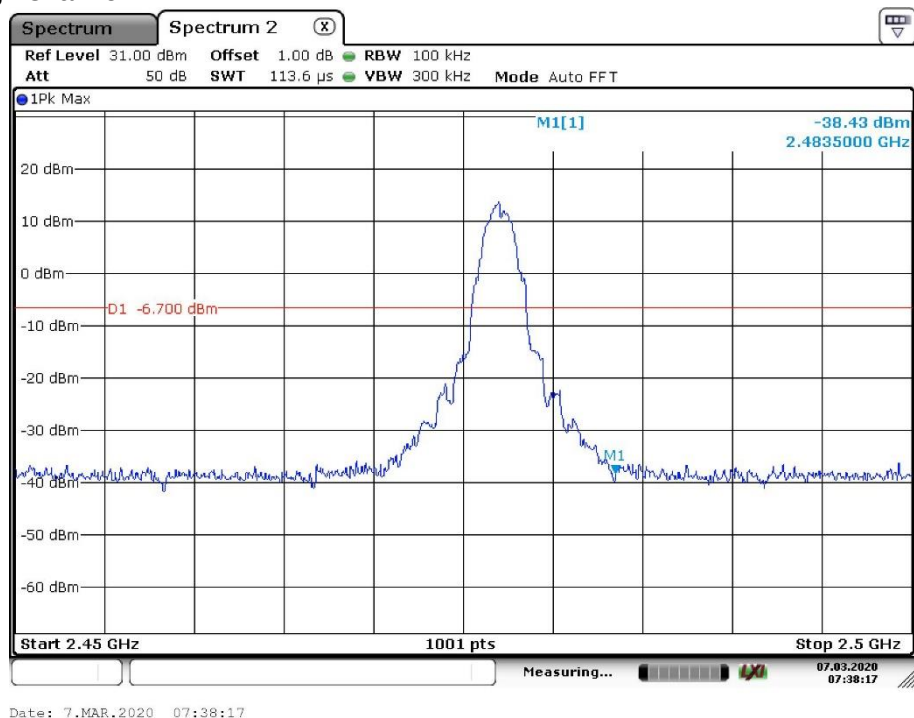


Date: 7.MAR.2020 07:37:55

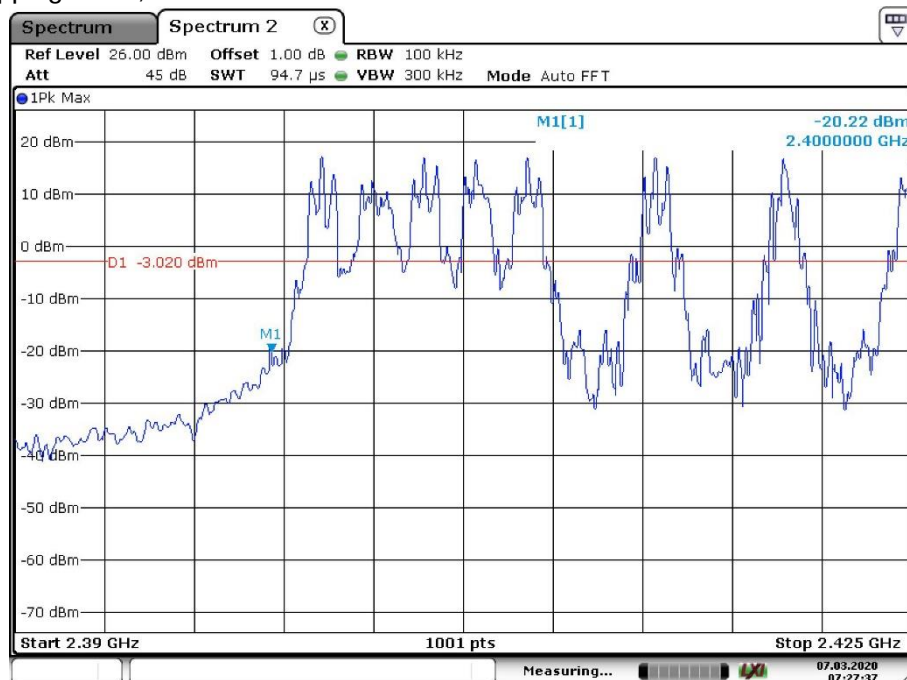
Band Edge, Low Channel



Band Edge, High Channel

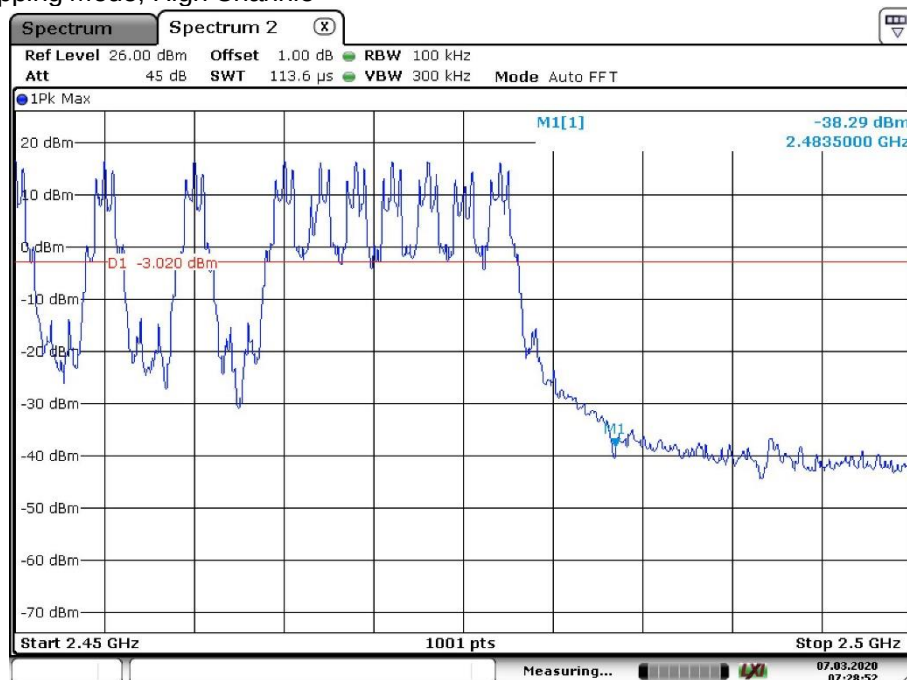


Band Edge, Hopping Mode, Low Channel



Date: 7.MAR.2020 07:27:37

Band Edge, Hopping Mode, High Channel



Date: 7.MAR.2020 07:28:52

Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.3: Test Results of Radiated Spurious Emissions 30MHz - 1GHz (Worst case)

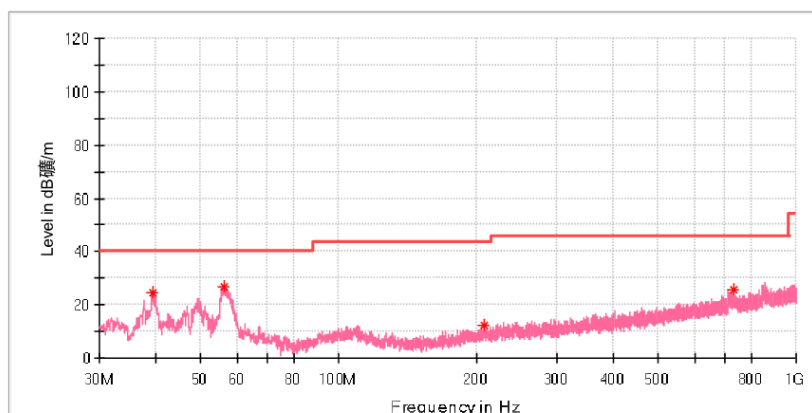
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_Low Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.215000	24.46	---	40.00	15.54	100.0	V	11.0	-20.7
56.093000	26.65	---	40.00	13.35	100.0	V	88.0	-18.9
207.898000	12.50	---	43.50	31.00	100.0	V	38.0	-19.2
728.933500	25.77	---	46.00	20.23	100.0	V	80.0	-7.9

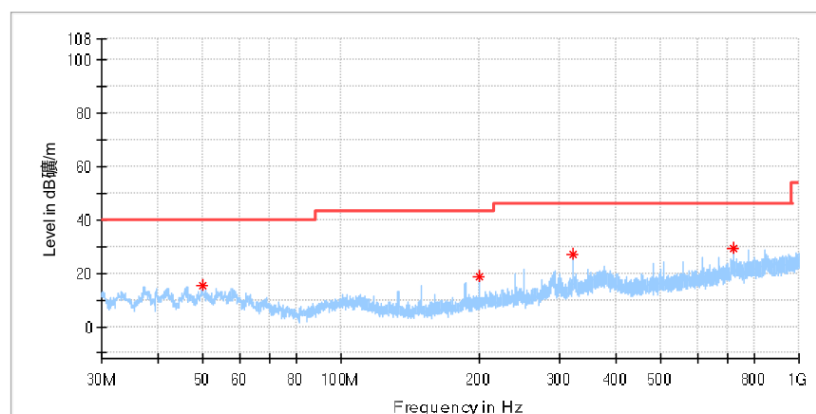
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_Low Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.885000	15.38	---	40.00	24.62	100.0	H	356.0	-18.6
199.992500	18.70	---	43.50	24.80	100.0	H	37.0	-19.3
319.981500	27.19	---	46.00	18.81	100.0	H	168.0	-16.1
720.058000	29.43	---	46.00	16.57	100.0	H	0.0	-8.1

12/3/2020

3:35:02 PM

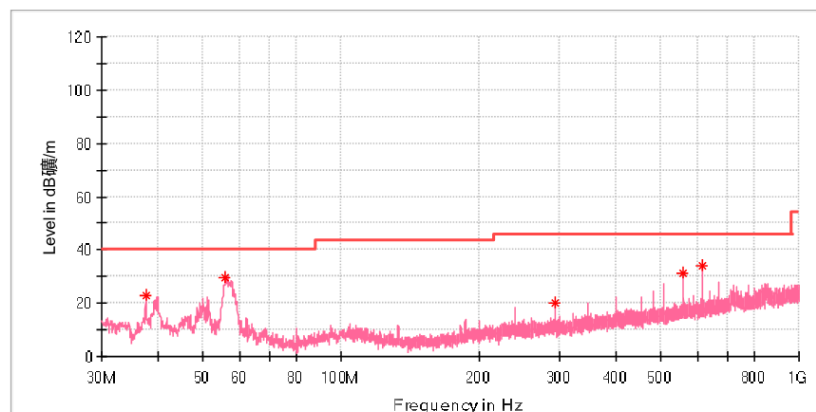
Test

3 / 4

Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_High Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	23.10	---	40.00	16.90	100.0	V	0.0	-21.3
55.947500	29.69	---	40.00	10.31	100.0	V	0.0	-18.8
293.355000	20.21	---	46.00	25.79	100.0	V	222.0	-16.8
560.008000	31.13	---	46.00	14.87	100.0	V	313.0	-11.0
613.358000	33.91	---	46.00	12.09	100.0	V	313.0	-10.0

12/3/2020

3:35:02 PM

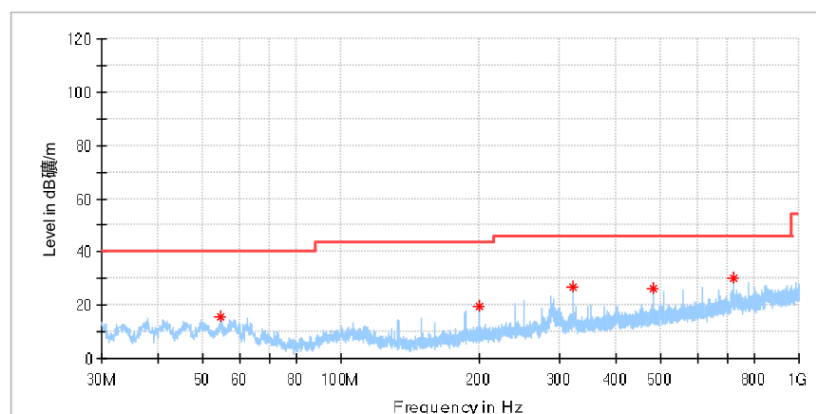
Test

4 / 4

Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_High Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.735000	15.52	---	40.00	24.48	100.0	H	290.0	-18.7
199.992500	19.58	---	43.50	23.92	100.0	H	0.0	-19.3
319.981500	26.81	---	46.00	19.19	100.0	H	184.0	-16.1
479.983000	26.18	---	46.00	19.82	100.0	H	354.0	-12.6
720.009500	30.05	---	46.00	15.95	100.0	H	0.0	-8.1

12/3/2020

3:35:02 PM

1GHz - 18GHz
Low Channel

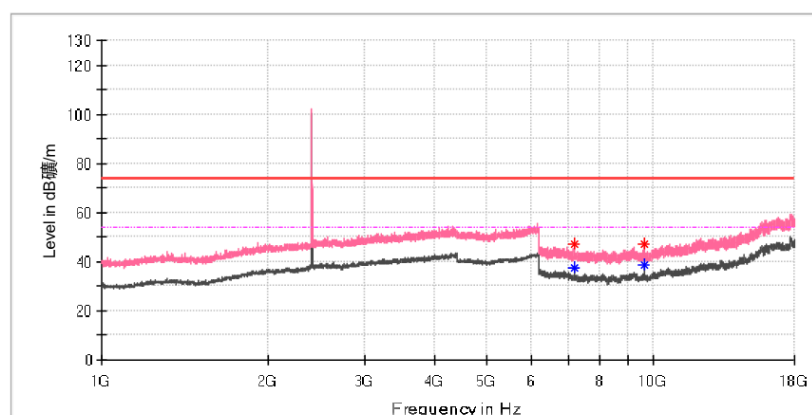
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_Low Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	---	37.41	54.00	16.59	100.0	V	148.0	8.8
7205.950000	47.12	---	74.00	26.88	100.0	V	148.0	8.8
9604.791667	47.39	---	74.00	26.61	100.0	V	128.0	10.4
9606.266667	---	38.69	54.00	15.31	100.0	V	87.0	10.4

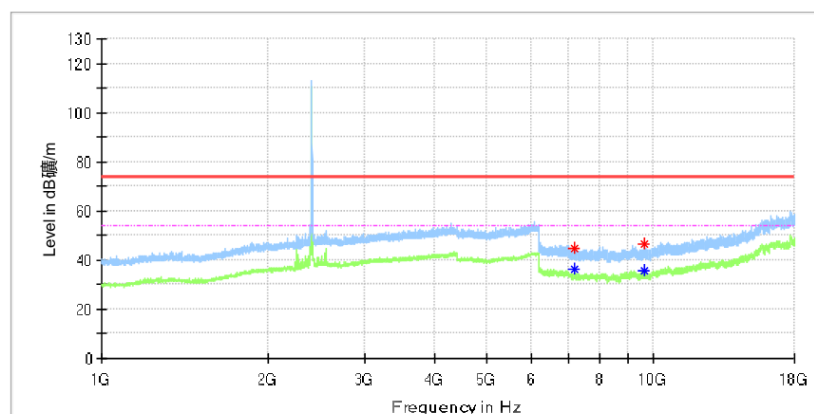
Test

2 / 6

Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_Low Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7203.000000	44.46	---	74.00	29.54	100.0	H	153.0	8.8
7204.475000	---	36.35	54.00	17.65	100.0	H	76.0	8.8
9608.725000	46.51	---	74.00	27.49	100.0	H	58.0	10.4
9609.216667	---	35.78	54.00	18.22	100.0	H	58.0	10.4

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Middle Channel

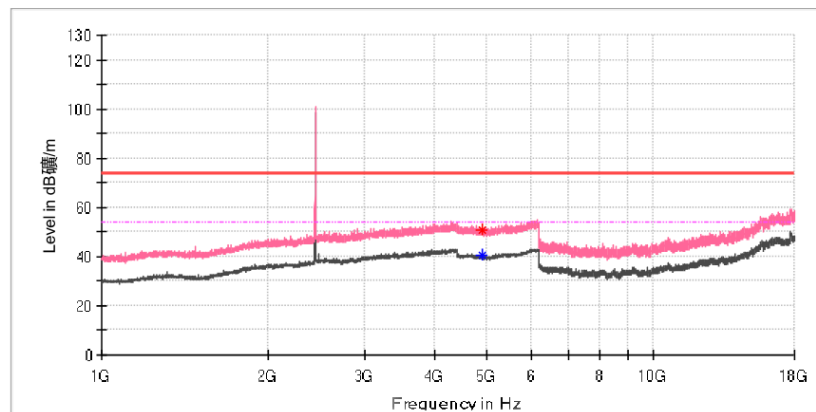
Test

3 / 6

Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
Test Mode:	TX_Mid Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.000000	---	40.48	54.00	13.52	100.0	V	12.0	13.4
4881.000000	50.93	---	74.00	23.07	100.0	V	1.0	13.4

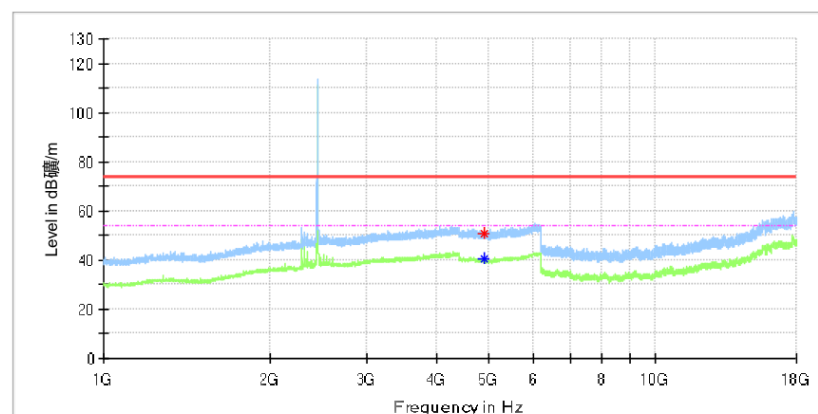
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
Test Mode:	TX_Mid Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.500000	---	40.69	54.00	13.31	100.0	H	160.0	13.4
4881.000000	50.66	---	74.00	23.34	100.0	H	214.0	13.4

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10:49:02 AM

High Channel

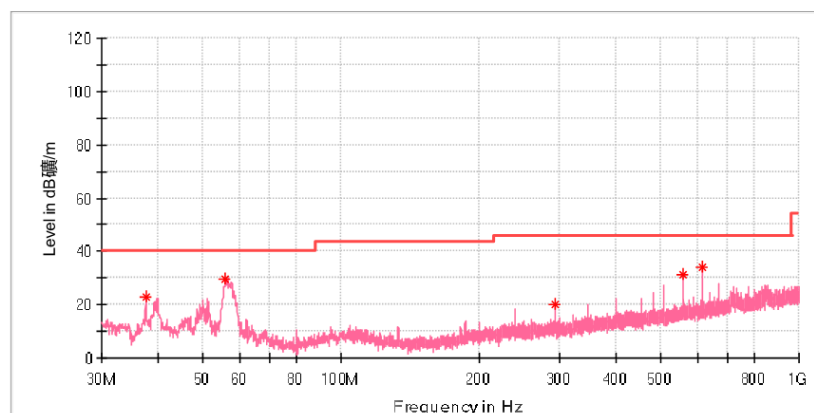
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_High Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	23.10	---	40.00	16.90	100.0	V	0.0	-21.3
55.947500	29.69	---	40.00	10.31	100.0	V	0.0	-18.8
293.355000	20.21	---	46.00	25.79	100.0	V	222.0	-16.8
560.008000	31.13	---	46.00	14.87	100.0	V	313.0	-11.0
613.358000	33.91	---	46.00	12.09	100.0	V	313.0	-10.0

2/3/2020

10:49:02 AM

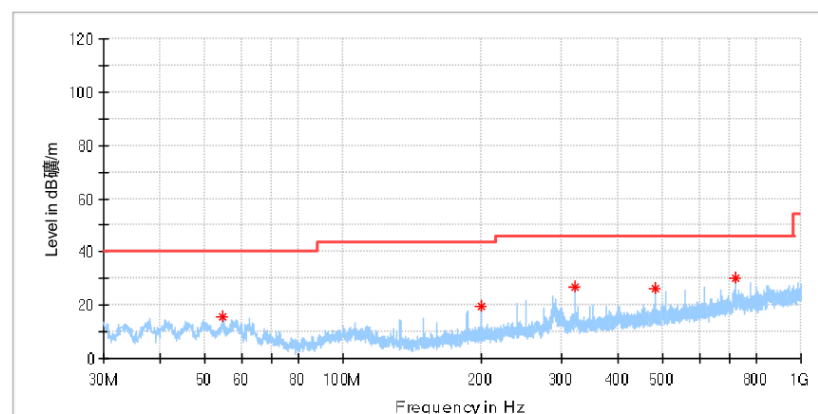
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_High Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 23 Humi:42%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.735000	15.52	---	40.00	24.48	100.0	H	290.0	-18.7
199.992500	19.58	---	43.50	23.92	100.0	H	0.0	-19.3
319.981500	26.81	---	46.00	19.19	100.0	H	184.0	-16.1
479.983000	26.18	---	46.00	19.82	100.0	H	354.0	-12.6
720.009500	30.05	---	46.00	15.95	100.0	H	0.0	-8.1

2/3/2020

10:49:02 AM

Note: The highest waveform in the figure is FHSS Fundamental.

Appendix B.4: Test Results of Radiated Emissions in Restricted Bands

Low channel

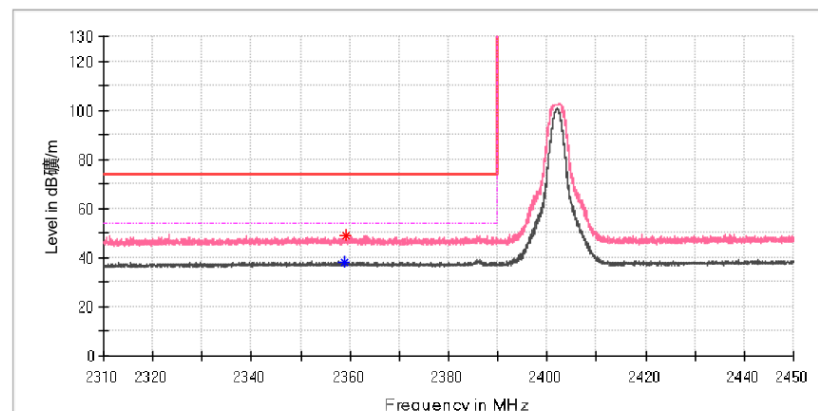
Test

1 / 4

Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
Test Mode:	TX_Low Channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2358.855882	---	37.93	54.00	16.07	100.0	V	174.0	6.9
2359.123530	49.11	---	74.00	24.89	100.0	V	223.0	6.9

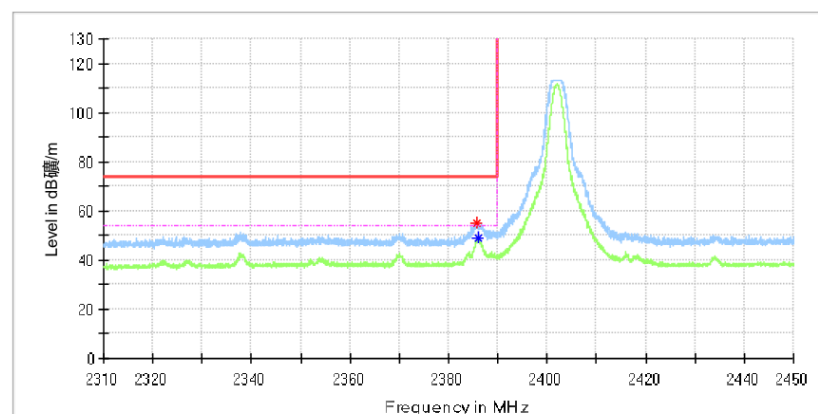
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_Low Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.641177	54.76	---	74.00	19.24	100.0	H	189.0	7.0
2385.908824	---	48.81	54.00	5.19	100.0	H	180.0	7.0

2/3/2020

11:07:02 AM

High channel

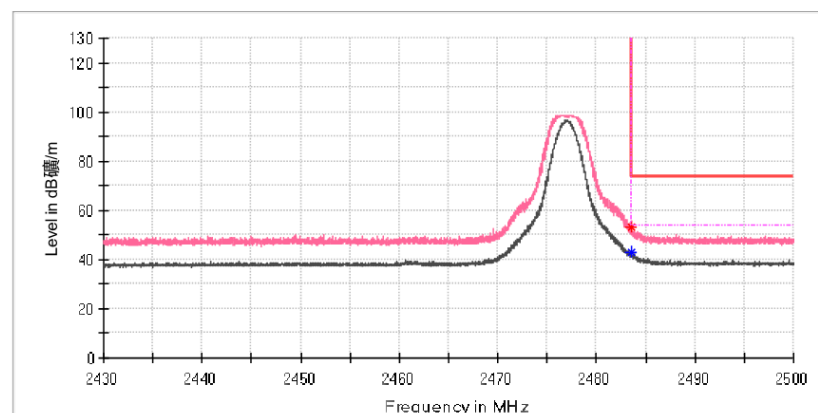
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_High Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.519118	53.36	---	74.00	20.64	100.0	V	329.0	7.4
2483.539706	---	43.10	54.00	10.90	100.0	V	58.0	7.4

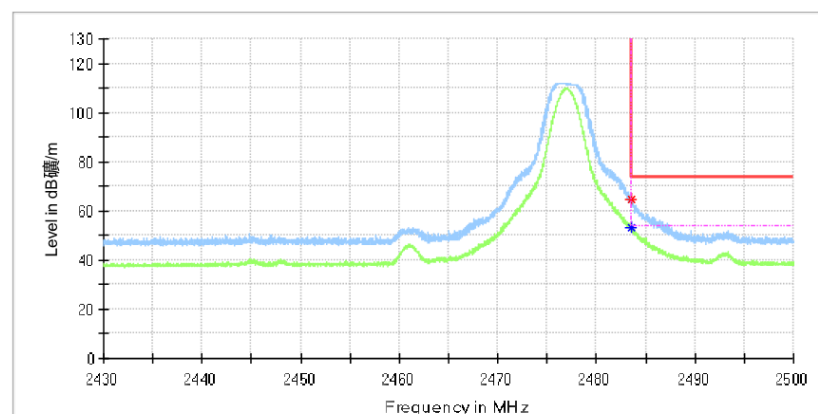
Test

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Test Report

EUT Information

EUT Name:	Baby Monitor
Model:	Ease 34_PU
TestMode:	TX_High Channel
Test Voltage::	AC120V/60Hz
Remark:	Temp 22 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.508824	---	52.96	54.00	1.04	100.0	H	203.0	7.4
2483.529412	64.75	---	74.00	9.25	100.0	H	203.0	7.4

2/3/2020

11:07:02 AM

Appendix B.5: Test Results of 20dB Bandwidth

Low Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Emission Bandwidth 20 dB (2402 MHz; 18.000 dBm; 2 MHz; Test Mode)

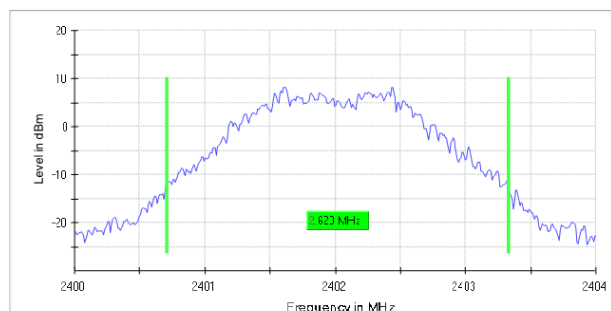
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	2.620000	---	---	2400.715000	2403.335000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	8.2	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.14 dB	0.50 dB

Middle Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Emission Bandwidth 20 dB (2440 MHz; 18.000 dBm; 2 MHz; Test Mode)

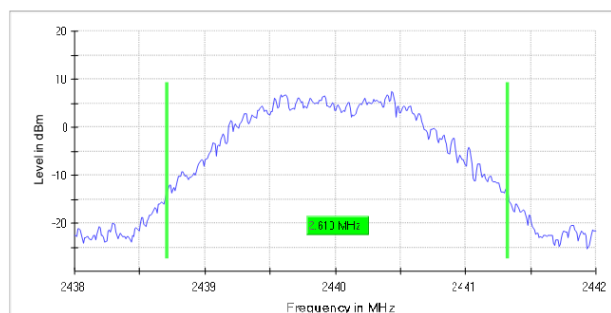
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	2.610000	---	---	2438.715000	2441.325000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2440.000000	7.3	PASS



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43800 GHz	2.43800 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.42 dB	0.50 dB

High Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Emission Bandwidth 20 dB (2477 MHz; 18.000 dBm; 2 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

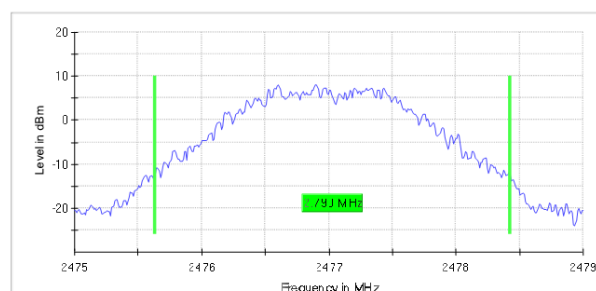
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2477.000000	2.790000	---	---	2475.635000	2478.425000

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2477.000000	8.1	PASS

20 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47500 GHz	2.47500 GHz
Stop Frequency	2.47900 GHz	2.47900 GHz
Span	4.000 MHz	4.000 MHz
RBW	20.000 kHz	>= 20.000 kHz
VBW	100.000 kHz	>= 60.000 kHz
SweepPoints	400	~ 400
SweepTime	94.824 µs	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.17 dB	0.50 dB

Appendix B.6: Test Results of Carrier Frequency Separation

Low Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Carrier Frequency Separation (2402 MHz; 18.000 dBm; 2 MHz)

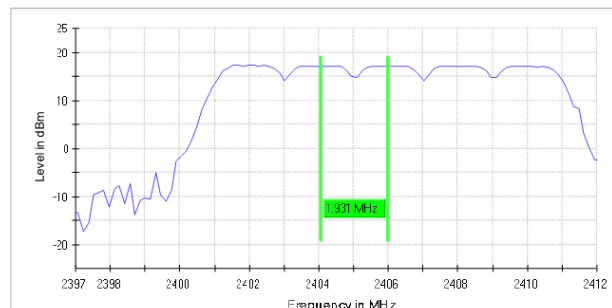
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2402.000000	1.930694	1.746667	---	2404.054455	2405.985149

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS



CFS

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39700 GHz	2.39700 GHz
Stop Frequency	2.41200 GHz	2.41200 GHz
Span	15.000 MHz	15.000 MHz
RBW	1.000 MHz	<= 1.500 MHz
VBW	1.000 MHz	>= 1.000 MHz
SweepPoints	101	~ 15
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
StableValue	0.50 dB	0.50 dB
Run	24 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

Middle Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Carrier Frequency Separation (2440 MHz; 18.000 dBm; 2 MHz)

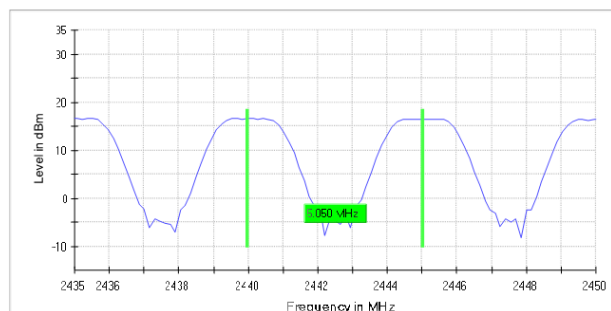
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2440.000000	5.049504	1.740000	---	2439.975248	2445.024752

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2440.000000	PASS



CFS

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43500 GHz	2.43500 GHz
Stop Frequency	2.45000 GHz	2.45000 GHz
Span	15.000 MHz	15.000 MHz
RBW	1.000 MHz	<= 1.500 MHz
VBW	1.000 MHz	>= 1.000 MHz
SweepPoints	101	~ 15
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	40 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.01 dB	0.50 dB

High Channel

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Carrier Frequency Separation (2477 MHz; 18.000 dBm; 2 MHz)

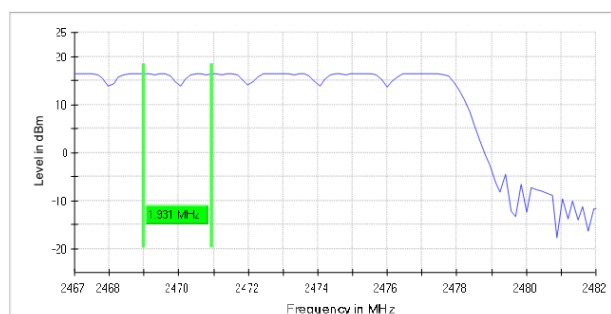
Test according to FCC title 47 part 15 § 15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2477.000000	1.930694	1.773333	---	2469.004950	2470.935644

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2477.000000	PASS



CFS

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.46700 GHz	2.46700 GHz
Stop Frequency	2.48200 GHz	2.48200 GHz
Span	15.000 MHz	15.000 MHz
RBW	1.000 MHz	<= 1.500 MHz
VBW	1.000 MHz	>= 1.000 MHz
SweepPoints	101	~ 15
Sweptime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	22 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.46 dB	0.50 dB

Appendix B.7: Test Results of Number of Hopping Frequency

All hopping channels

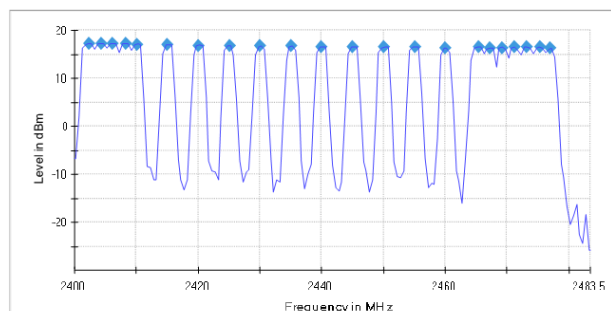
FCC Part 47 §15.247 2400-2483.5 MHz 2017

Hopping Frequencies (frequency independent; 18.000 dBm; 2 MHz)

Test according to FCC title 47 part 15 §15.247(a),(g), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Channels

Channels	Limit Min	Limit Max	Result
22	15	—	PASS



Sequence

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	500.000 kHz	<= 598.000 kHz
VBW	500.000 kHz	>= 500.000 kHz
SweepPoints	167	~ 167
SweepTime	1.000 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	30.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	59 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Appendix B.8: Test Results of Time of Occupancy

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Time of Channel Occupancy (2440 MHz; 18.000 dBm; 2 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2440.000000	PASS	133	17.861	-2.0

Periode

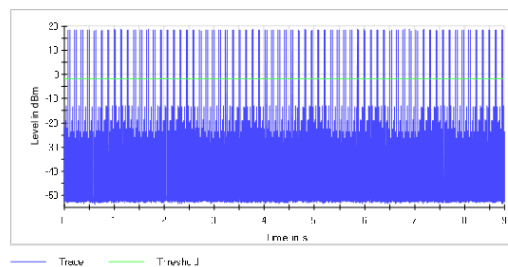
Min (ms)	Max (ms)	Mean (ms)
26.285	105.509	65.664

Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
0.12	0.13	400.000	0.000	0.133

DwellTime

Min (ms)	Max (ms)	Mean (ms)
0.12	0.13	0.133



Time of Channel Occupancy Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.44000 GHz	2.44000 GHz
Span	ZeroSpan	ZeroSpan
RBW	1.000 MHz	~ 1.000 MHz
VBW	3.000 MHz	~ 3.000 MHz
SweepPoints	30001	~ 30001
SweepTime	8.800 s	8.800 s
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamplifier	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP

Setting	Instrument Value	Target Value
Measurement Time	8.800 s	8.800 s
Tracepoints	8800000	8800000
Time resolution	1.000 µs	1.000 µs
Detector	RMS	RMS

Appendix B.9: Test Results of Conducted Emission on AC Mains FHSS Connecting mode with adapter #1(YWK)

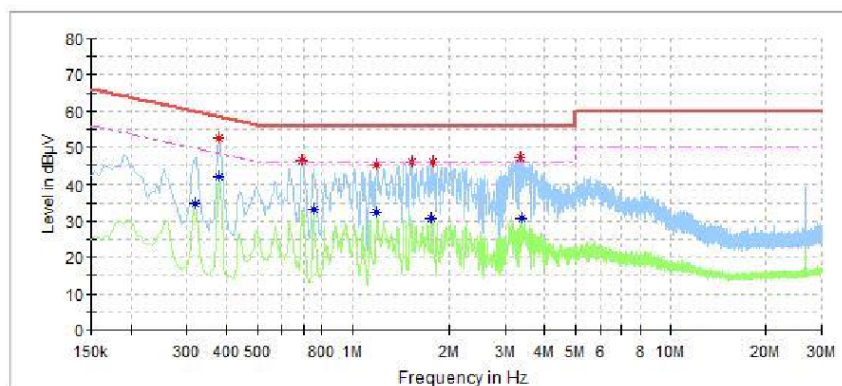
CE-PU-FCC Part 15C-BQ05A-0500600-U-L

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Test Report

EUT Information

EUT Name:	Video Baby Monitor(Parent Unit)
Model:	Ease 34PU
Order No.:	168150307 190/200
Test Mode:	2.4GHz FHSS connecting mode(for BU and PU)
Test Voltage:	AC 120V/60Hz
Test By:	Shower.Dai
Review By:	Gary Chen
Remark:	YWK-AD050060-U



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.318000	---	35.08	49.76	14.68	L1	9.6
0.378000	52.32	---	58.32	6.01	L1	9.7
0.378000	---	41.93	48.32	6.40	L1	9.7
0.696000	46.41	---	56.00	9.59	L1	9.7
0.756000	---	33.43	46.00	12.57	L1	9.7
1.196000	45.22	---	56.00	10.78	L1	9.7
1.196000	---	32.36	46.00	13.64	L1	9.7
1.520000	46.14	---	56.00	9.86	L1	9.7
1.764000	---	30.77	46.00	15.23	L1	9.7
1.772000	45.92	---	56.00	10.08	L1	9.7
3.344000	47.27	---	56.00	8.73	L1	9.8
3.408000	---	30.68	46.00	15.32	L1	9.8

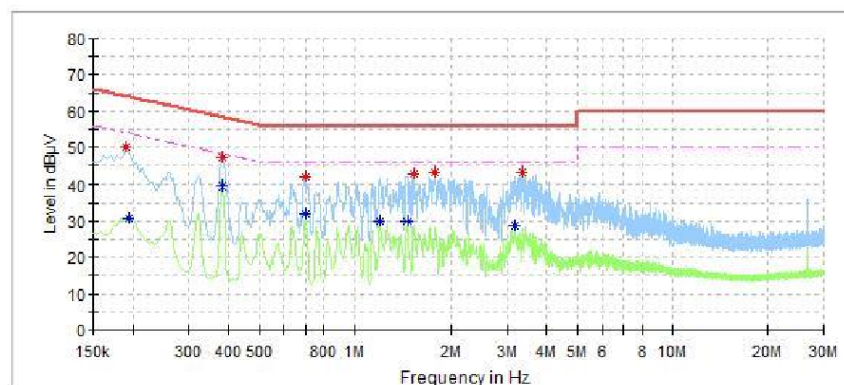
CE-PU-FCC Part 15C-BQ05A-0500600-U-L

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Test Report

EUT Information

EUT Name:	Video Baby Monitor(Parent Unit)
Model:	Ease 34PU
Order No.:	168150307 190/200
Test Mode:	2.4GHz FHSS connecting mode(for BU and PU)
Test Voltage:	AC 120V/60Hz
Test By:	Shower.Dai
Review By:	Gary Chen
Remark:	YWK-AD050060-U



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.190000	49.86	---	64.04	14.18	N	9.6
0.194000	---	30.66	53.86	23.21	N	9.6
0.382000	47.21	---	58.24	11.03	N	9.7
0.382000	---	39.43	48.24	8.81	N	9.7
0.700000	---	32.04	46.00	13.96	N	9.7
0.700000	42.05	---	56.00	13.95	N	9.7
1.204000	---	29.96	46.00	16.04	N	9.7
1.456000	---	29.87	46.00	16.13	N	9.7
1.520000	42.85	---	56.00	13.15	N	9.7
1.776000	42.87	---	56.00	13.13	N	9.7
3.176000	---	28.54	46.00	17.46	N	9.8
3.360000	43.12	---	56.00	12.88	N	9.8

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FHSS Connecting mode with adapter #2(BECKY)

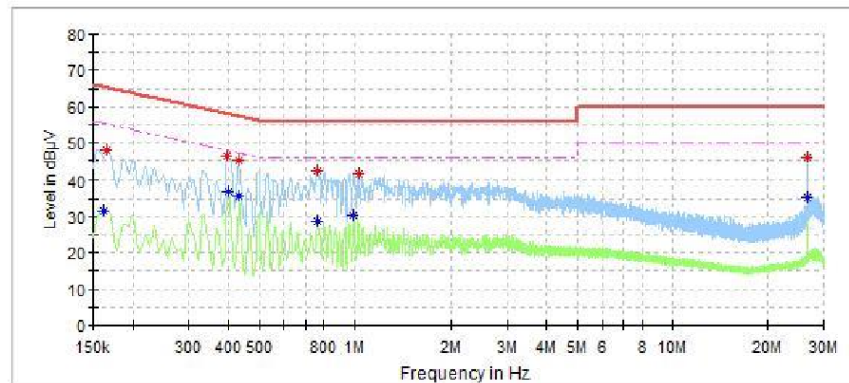
CE-PU-FCC Part 15C-BQ05A-0500600-U-L

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Test Report

EUT Information

EUT Name:	Video Baby Monitor(Parent Unit)
Model:	Ease 34PU
Order No.:	168150307 190/200
Test Mode:	2.4GHz FHSS connecting mode(for BU and PU)
Test Voltage:	AC 120V/60Hz
Test By:	Shower.Dai
Review By:	Gary Chen
Remark:	BQ05A-0500600-U



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.162000	---	31.66	55.36	23.70	L1	9.6
0.166000	48.15	---	65.16	17.01	L1	9.6
0.398000	46.37	---	57.90	11.53	L1	9.7
0.402000	---	36.87	47.81	10.94	L1	9.7
0.430000	44.94	---	57.25	12.31	L1	9.7
0.434000	---	35.68	47.18	11.49	L1	9.7
0.764000	42.09	---	56.00	13.91	L1	9.7
0.768000	---	28.90	46.00	17.10	L1	9.7
0.996000	---	30.31	46.00	15.69	L1	9.7
1.036000	41.57	---	56.00	14.43	L1	9.7
26.668000	---	35.41	50.00	14.59	L1	10.4
26.668000	46.02	---	60.00	13.98	L1	10.4

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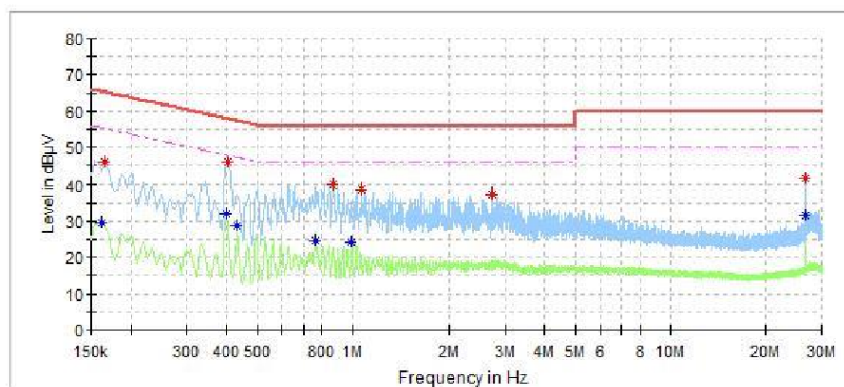
CE-PU-FCC Part 15C-BQ05A-0500600-U-L

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Test Report

EUT Information

EUT Name:	Video Baby Monitor(Parent Unit)
Model:	Ease 34PU
Order No.:	168150307 190/200
Test Mode:	2.4GHz FHSS connecting mode(for BU and PU)
Test Voltage:	AC 120V/60Hz
Test By:	Shower.Dai
Review By:	Gary Chen
Remark:	BQ05A-0500600-U



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.162000	---	29.40	55.36	25.96	N	9.6
0.166000	45.96	---	65.16	19.20	N	9.6
0.402000	---	31.82	47.81	15.99	N	9.7
0.406000	46.14	---	57.73	11.59	N	9.7
0.434000	---	28.62	47.18	18.55	N	9.7
0.768000	---	24.61	46.00	21.39	N	9.7
0.872000	39.65	---	56.00	16.35	N	9.7
0.996000	---	24.07	46.00	21.93	N	9.7
1.068000	38.60	---	56.00	17.40	N	9.7
2.736000	37.48	---	56.00	18.52	N	9.8
26.668000	---	31.50	50.00	18.50	N	10.5
26.668000	41.44	---	60.00	18.56	N	10.5

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