

Appendix B: Test Results of 2.4GHz FHSS

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Appendix B.1: Test Results of Maximum Peak Conducted Output Power

Low Channel

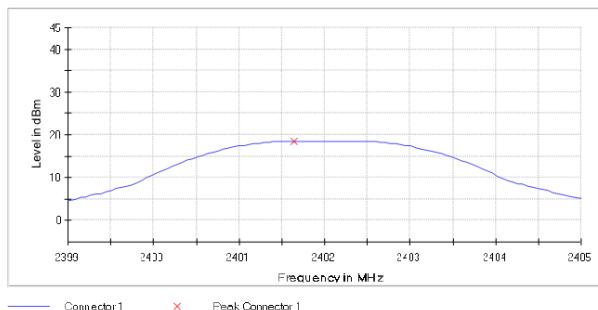
FCC Part 47 §15.247 2400-2483.5 MHz 2017

Peak output power (Sweep) (2402 MHz; 18.000 dBm; 2 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2402.000000	18.6	21.0	PASS



Peak Power 1

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.39900 GHz	2.39900 GHz
Stop Frequency	2.40500 GHz	2.40500 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.650 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	101	~ 101
Sweeptime	1.000 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Middle Channel

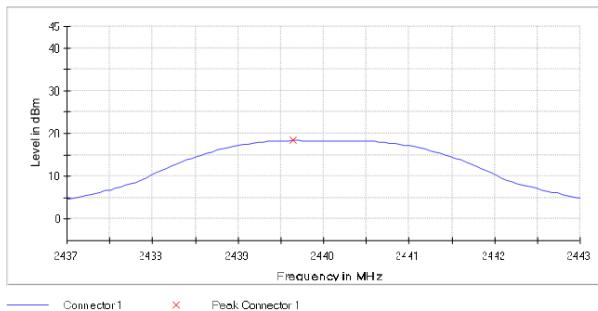
FCC Part 47 §15.247 2400-2483.5 MHz 2017

Peak output power (Sweep) (2440 MHz; 18.000 dBm; 2 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2440.000000	18.4	21.0	PASS



Peak Power 1

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.43700 GHz	2.43700 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.510 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	101	~ 101
Sweptime	1.000 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

High Channel

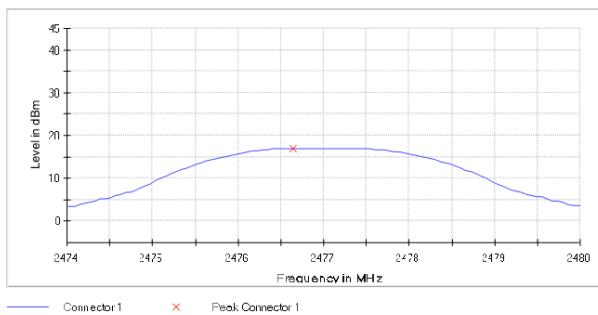
FCC Part 47 §15.247 2400-2483.5 MHz 2017

Peak output power (Sweep) (2477 MHz; 18.000 dBm; 2 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2477.000000	17.0	21.0	PASS



Peak Power 1

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47400 GHz	2.47400 GHz
Stop Frequency	2.48000 GHz	2.48000 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.600 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	101	~ 101
Sweptime	1.000 ms	AUTO
Reference Level	20.000 dBm	20.000 dBm
Attenuation	40.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.50 dB

Appendix B.2: 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)

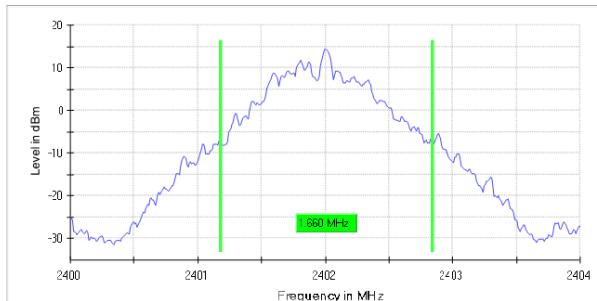
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.660000	--	--	2401.185000	2402.845000

(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
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	39 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 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)

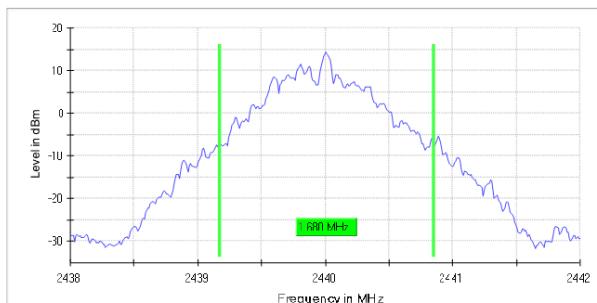
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	1.680000	---	---	2439.175000	2440.855000

(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
Sweptime	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
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	23 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.15 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)

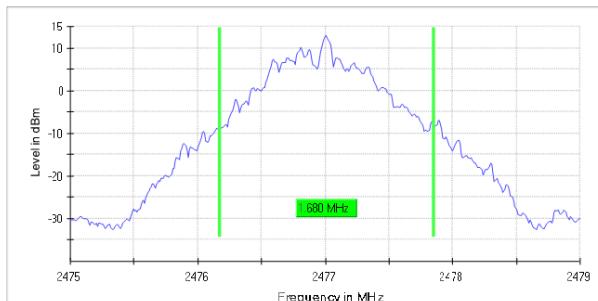
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2477.000000	1.680000	---	---	2476.175000	2477.855000

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

DUT Frequency (MHz)	Result
2477.000000	PASS



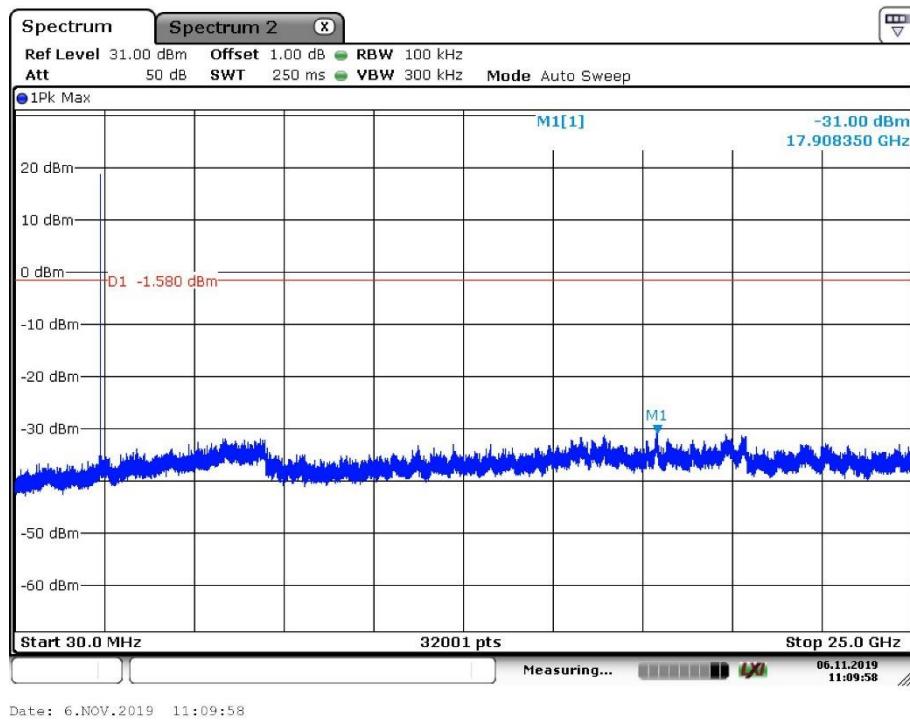
Bandwidth

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	34 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.14 dB	0.30 dB

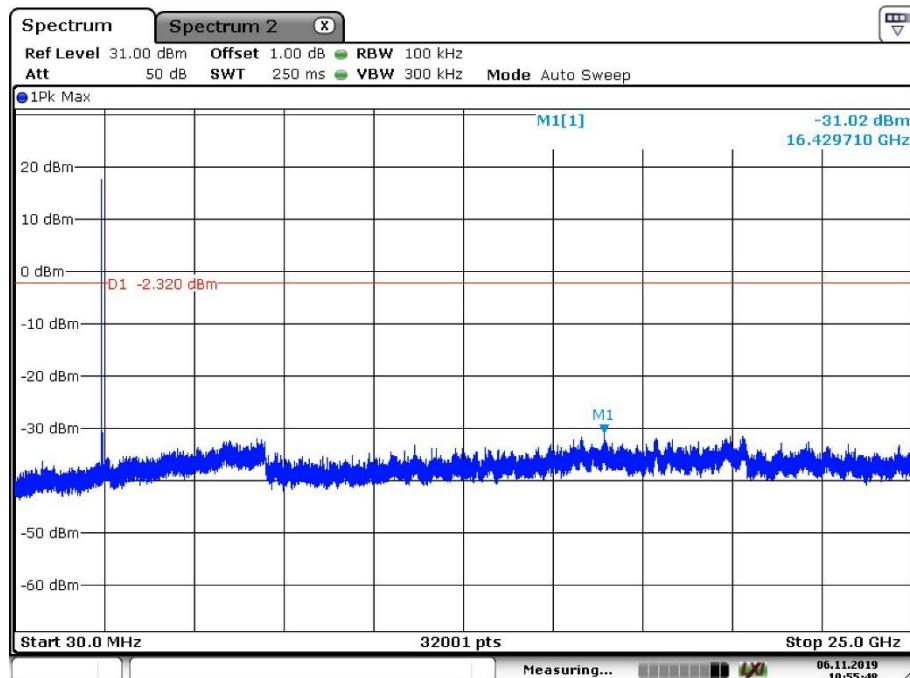
Appendix B.3: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Low Channel



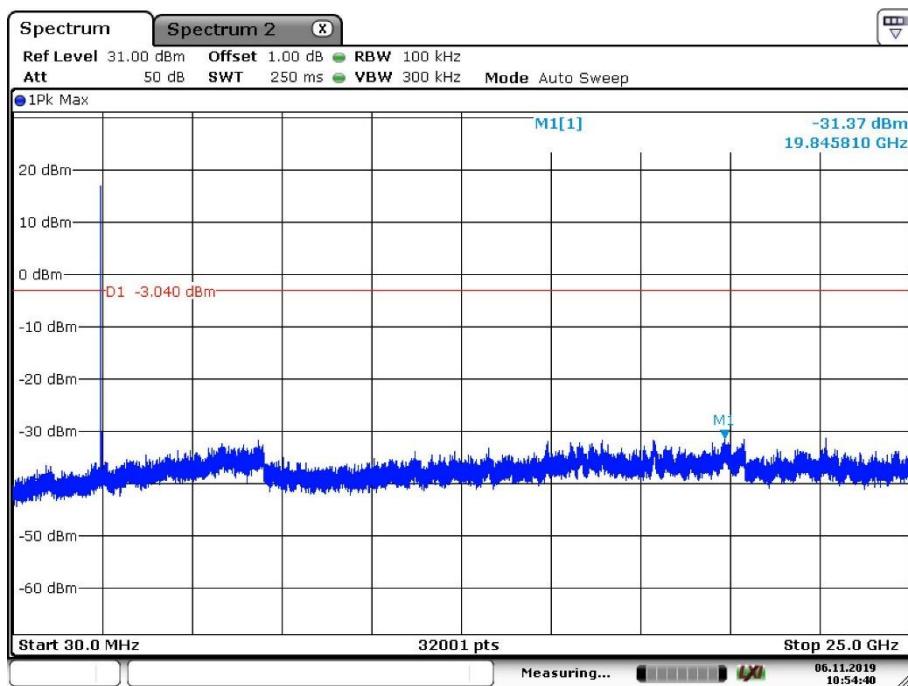
Date: 6.NOV.2019 11:09:58

Middle Channel



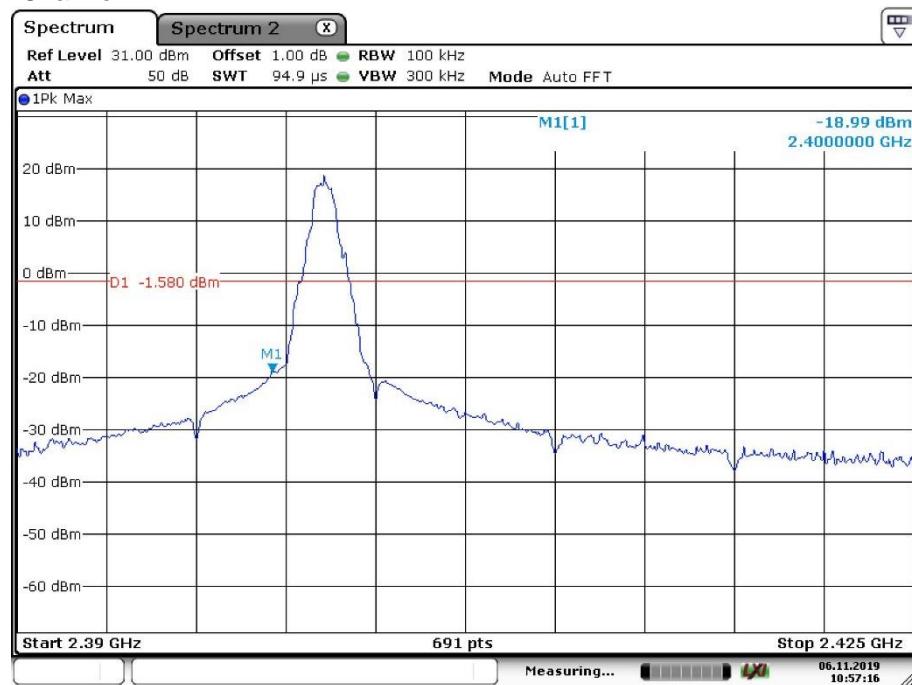
Date: 6.NOV.2019 10:55:48

High Channel

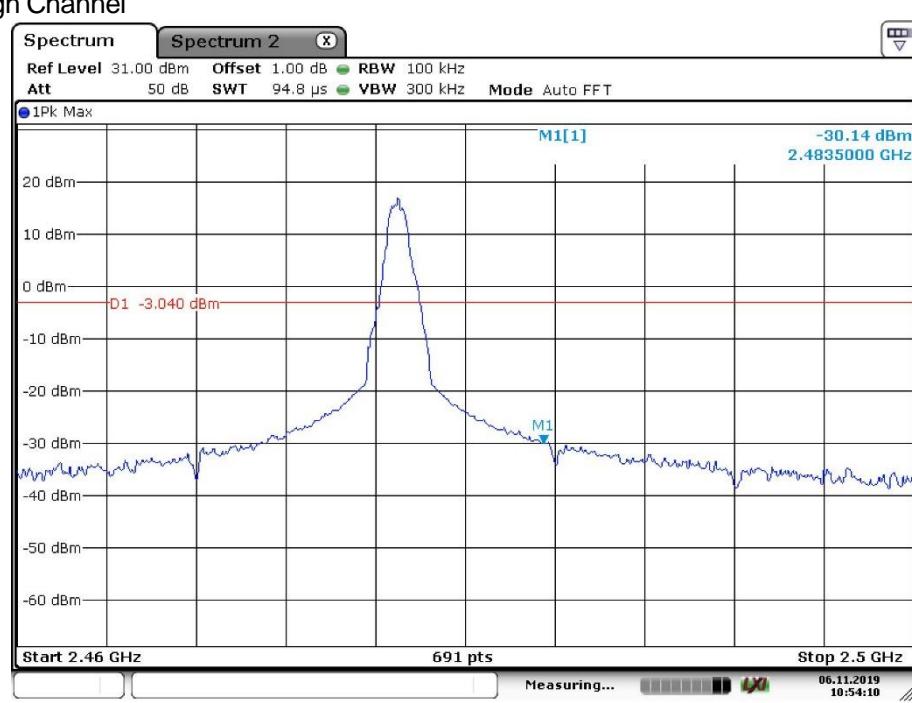


Date: 6.NOV.2019 10:54:40

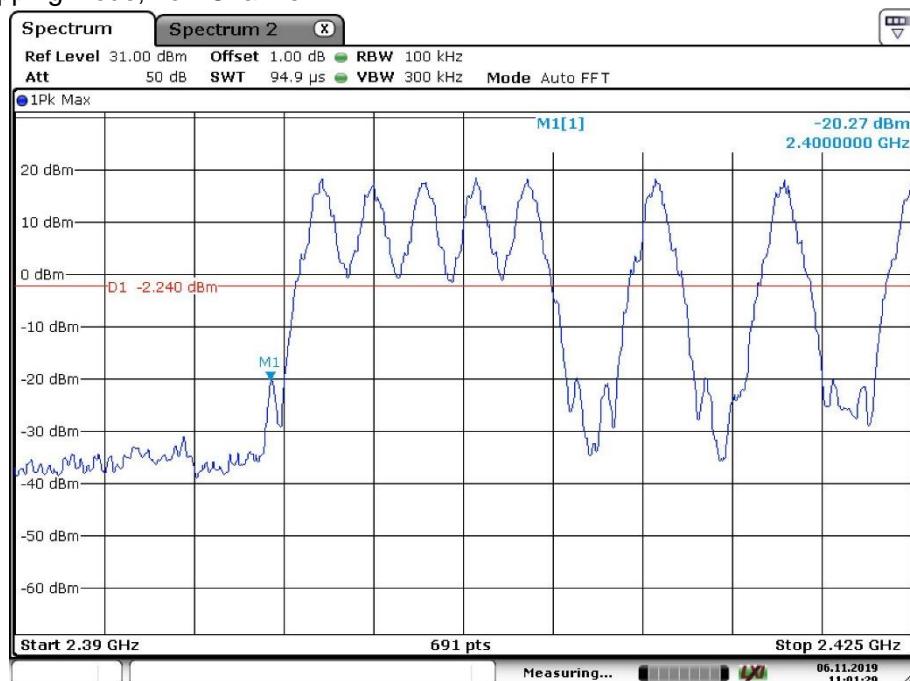
Band Edge, Low Channel



Band Edge, High Channel

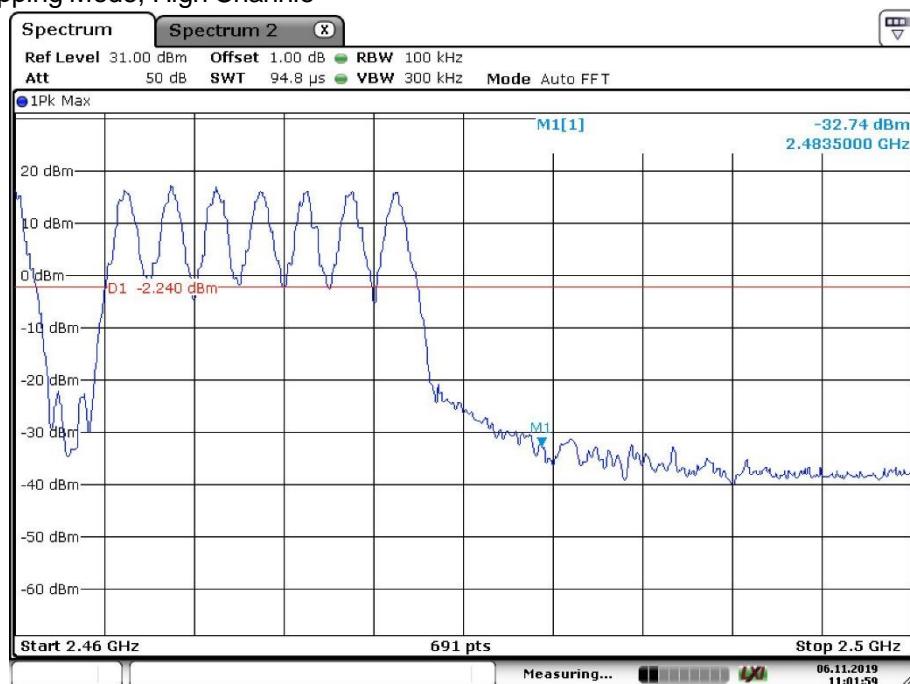


Band Edge, Hopping Mode, Low Channel



Date: 6.NOV.2019 11:01:29

Band Edge, Hopping Mode, High Channle



Date: 6.NOV.2019 11:01:59

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.4: Test Results of Radiated Spurious Emissions

30MHz - 1GHz (Worst case)

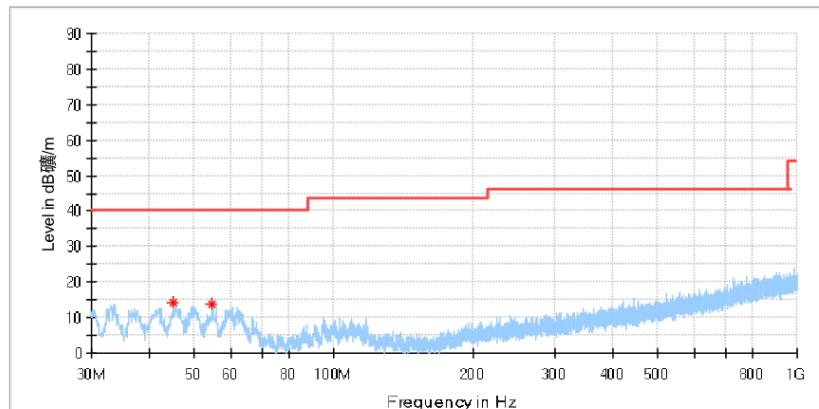
Test

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Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
TestMode: TX_Low Channel
Test Voltage:: Fully charged
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



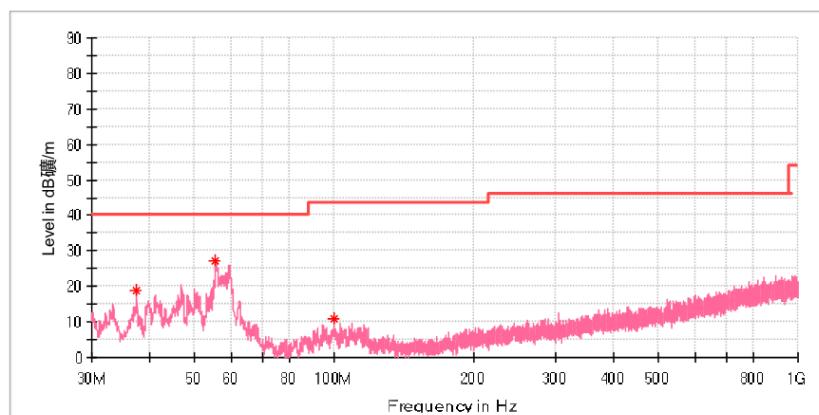
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.035000	14.26	--	40.00	25.74	100.0	H	265.0	-19.2
54.589500	13.99	--	40.00	26.01	100.0	H	150.0	-18.7

Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
TestMode: TX_Low Channel
TestVoltage:: Fully charged
Remark: Temp 23 Humi:49%
TestStandard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



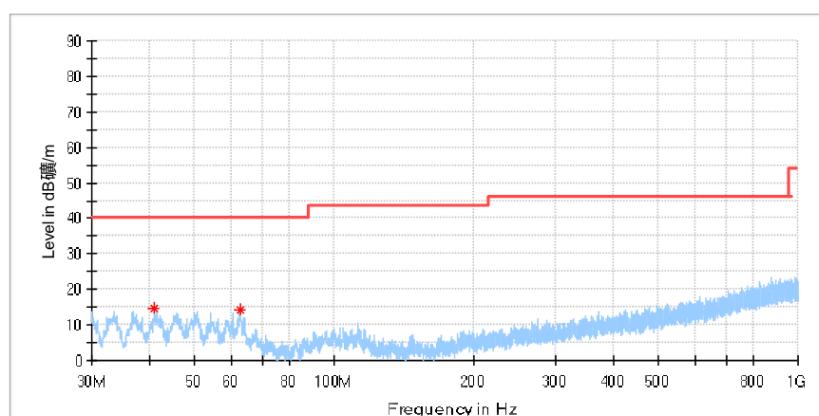
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.517500	18.73	---	40.00	21.27	100.0	V	239.0	-21.2
55.559500	27.35	---	40.00	12.65	100.0	V	264.0	-18.8
99.985500	10.78	---	43.50	32.72	100.0	V	305.0	-19.3

Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
Test Mode: TX_High Channel
Test Voltage: Fully charged
Remark: Temp 23 Humi:49%
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)
40.961000	14.57	---	40.00	25.43	100.0	H	176.0	-20.2
62.737500	14.11	---	40.00	25.89	100.0	H	332.0	-19.9

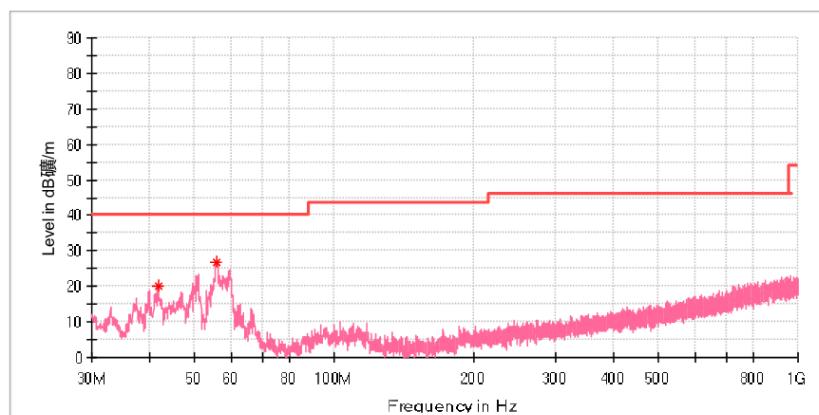
Test

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Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
Test Mode: TX_High Channel
Test Voltage: Fully charged
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.688500	20.09	---	40.00	19.91	100.0	V	46.0	-20.0
55.753500	26.61	---	40.00	13.39	100.0	V	241.0	-18.8

1GHz - 18GHz
Low Channel

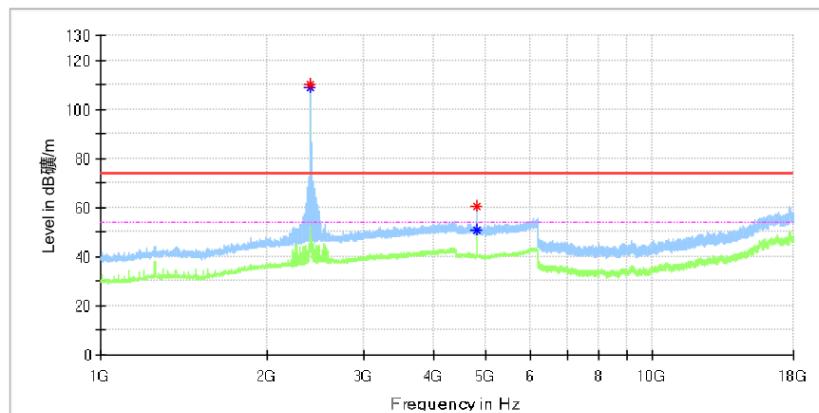
Test

1 / 6

Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
TestMode: TX_Low Channel
TestVoltage:: Fully charged
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



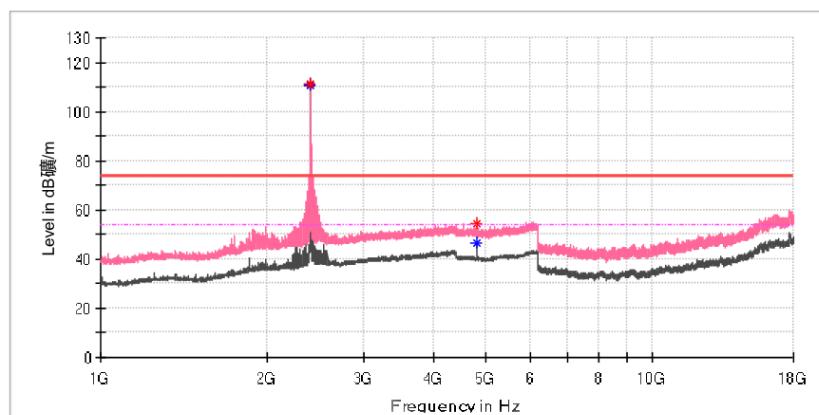
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2402.000000	--	108.90	54.00	-54.90	100.0	H	232.0	7.0
2402.000000	110.19	--	74.00	-36.19	100.0	H	232.0	7.0
4802.500000	--	50.61	54.00	3.39	100.0	H	90.0	13.6
4804.500000	60.57	--	74.00	13.43	100.0	H	101.0	13.6

Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
TestMode: TX_Low Channel
TestVoltage:: Fully charged
Remark: Temp 23 Humi:49%
TestStandard: 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)
2402.000000	--	110.60	54.00	-56.60	100.0	V	5.0	7.0
2402.500000	111.53	--	74.00	-37.53	100.0	V	19.0	7.0
4803.500000	--	46.60	54.00	7.40	100.0	V	158.0	13.6
4804.500000	54.15	--	74.00	19.85	100.0	V	200.0	13.6

Middle Channel

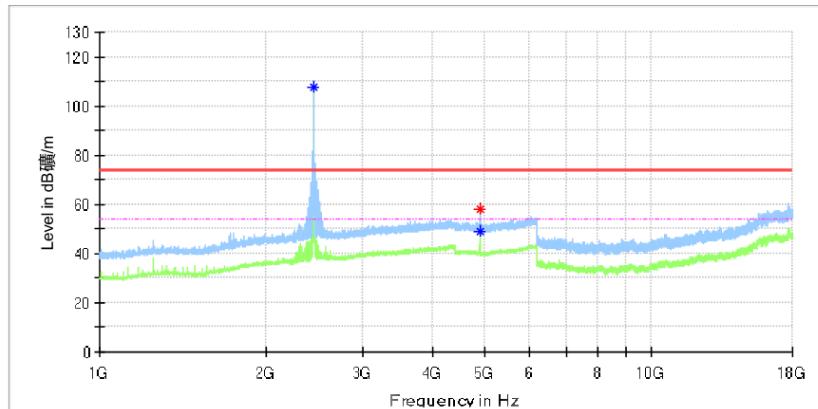
Test

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Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
Test Mode: TX_Mid Channel
Test Voltage: Fully charged
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



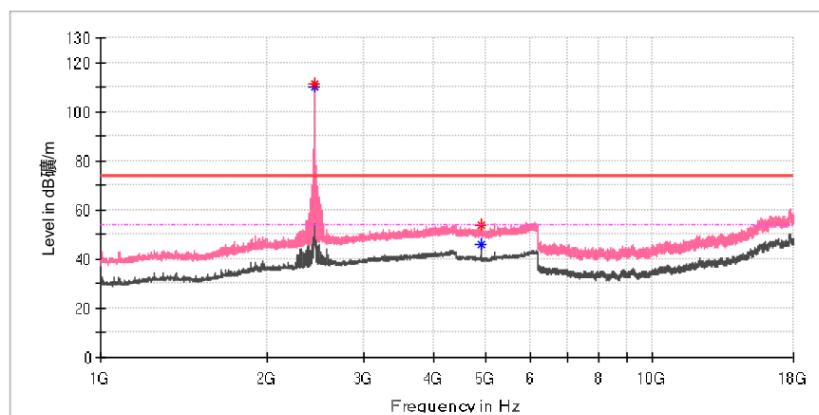
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2440.000000	--	107.89	54.00	-53.89	100.0	H	221.0	7.4
4879.000000	--	49.04	54.00	4.96	100.0	H	73.0	13.4
4879.500000	58.04	--	74.00	15.96	100.0	H	116.0	13.4

Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
TestMode: TX_Mid Channel
TestVoltage:: Fully charged
Remark: Temp 23 Humi:49%
TestStandard: 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)
2439.500000	111.03	--	74.00	-37.03	100.0	V	0.0	7.4
2440.000000	--	109.93	54.00	-55.93	100.0	V	0.0	7.4
4879.500000	--	45.69	54.00	8.31	100.0	V	160.0	13.4
4879.500000	53.80	--	74.00	20.20	100.0	V	160.0	13.4

High Channel

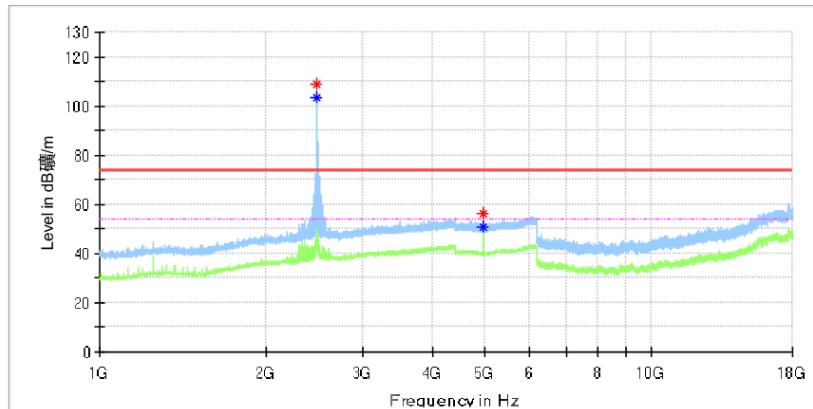
Test

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Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
Test Mode: TX_High Channel
Test Voltage: Fully charged
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



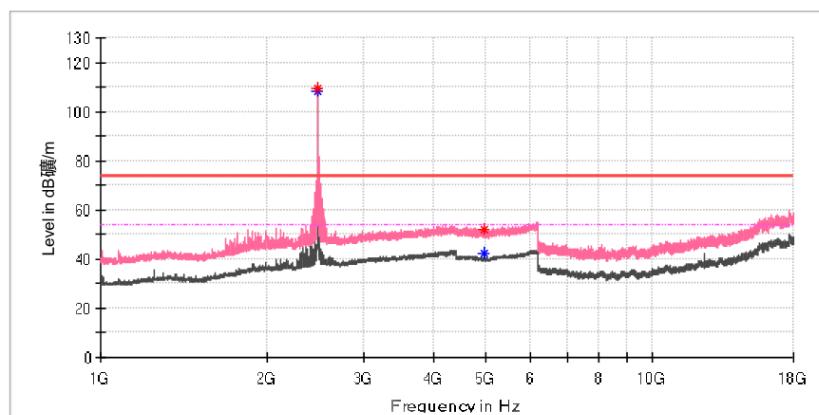
Critical Freqs

Frequency (MHz)	MaxPeak (dB μ V/m)	Average (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2476.500000	108.75	---	74.00	-34.75	100.0	H	140.0	7.4
2476.500000	---	103.48	54.00	-49.48	100.0	H	140.0	7.4
4953.000000	---	50.75	54.00	3.25	100.0	H	106.0	13.2
4953.000000	56.44	---	74.00	17.56	100.0	H	106.0	13.2

Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
Test Mode: TX_High Channel
Test Voltage: Fully charged
Remark: Temp 23 Humi:49%
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)
2476.500000	109.56	--	74.00	-35.56	100.0	V	33.0	7.4
2477.000000	--	108.38	54.00	-54.38	100.0	V	23.0	7.4
4953.500000	--	42.48	54.00	11.52	100.0	V	151.0	13.2
4955.500000	52.18	--	74.00	21.83	100.0	V	0.0	13.2

Appendix B.5: Test Results of Radiated Emissions in Restricted Bands

Low channel

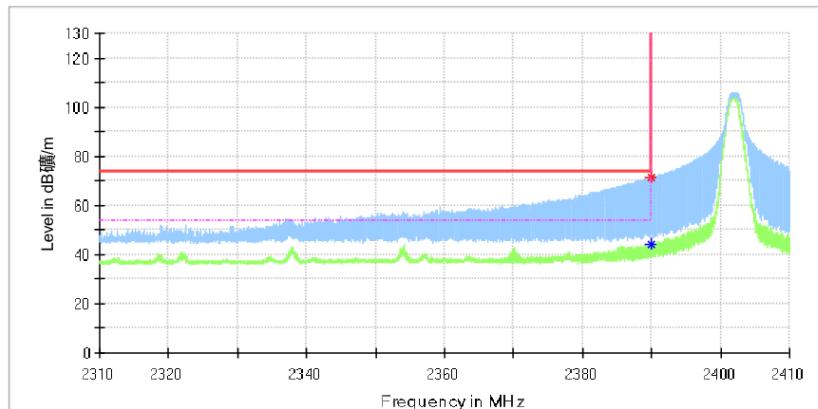
Test

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Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
Test Mode: TX_Low Channel
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:49%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



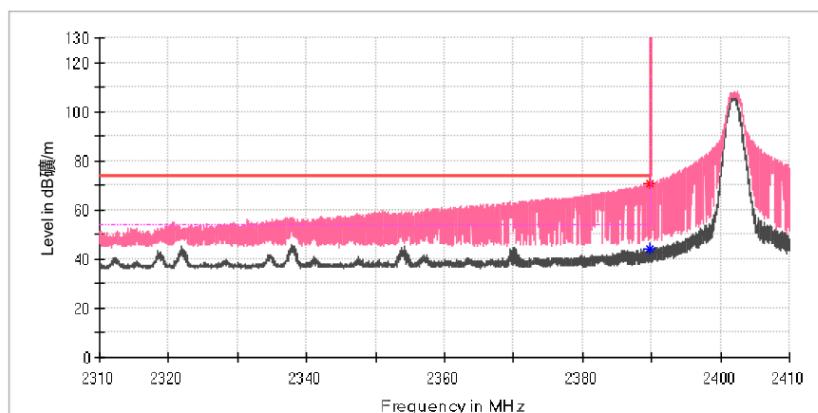
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.926471	---	44.22	54.00	9.78	100.0	H	106.0	7.0
2389.941177	71.45	---	74.00	2.55	100.0	H	159.0	7.0

Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
Test Mode: TX_Low Channel
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:49%
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)
2389.676471	—	43.92	54.00	10.08	100.0	V	180.0	7.0
2389.676471	70.75	—	74.00	3.25	100.0	V	180.0	7.0

High channel

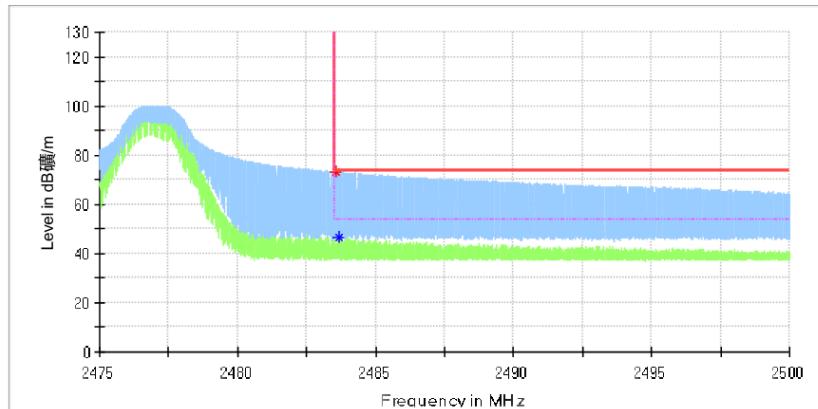
Test

3 / 4

Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
Test Mode: TX_Low Channel
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:49%
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)
2483.547794	73.02	—	74.00	0.98	100.0	H	120.0	7.4
2483.694853	—	46.55	54.00	7.45	100.0	H	120.0	7.4

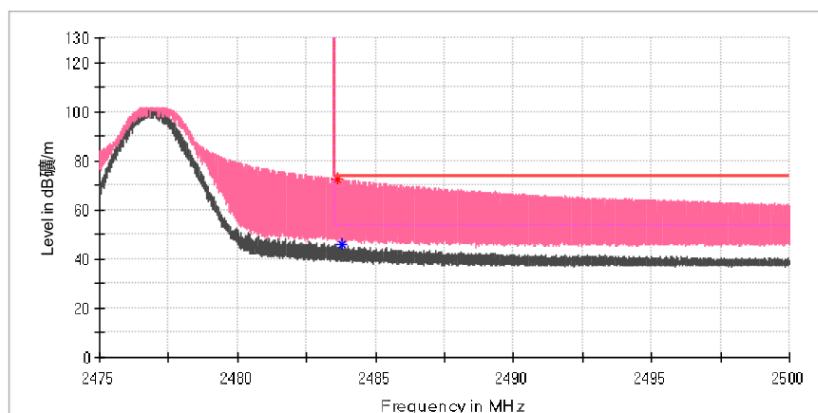
Test

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Test Report

EUT Information

EUT Name: Baby monitor
Model: LUX65BU
TestMode: TX_Low Channel
TestVoltage:: DC 5V From USB
Remark: Temp 23 Humi:49%
TestStandard: 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)
2483.621324	72.67	—	74.00	1.33	150.0	V	44.0	7.4
2483.761030	—	45.70	54.00	8.30	150.0	V	27.0	7.4

Appendix B.6: 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)

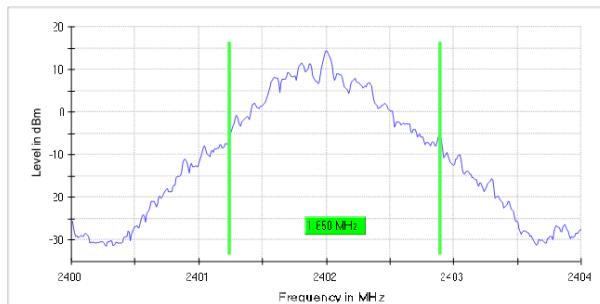
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.650000	--	--	2401.245000	2402.895000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	14.4	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	36 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 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)

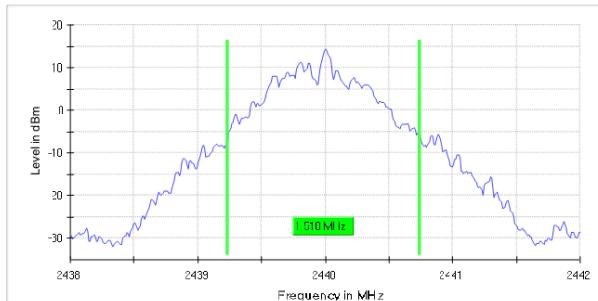
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2440.000000	1.510000	---	---	2439.235000	2440.745000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2440.000000	14.3	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
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	28 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.23 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)

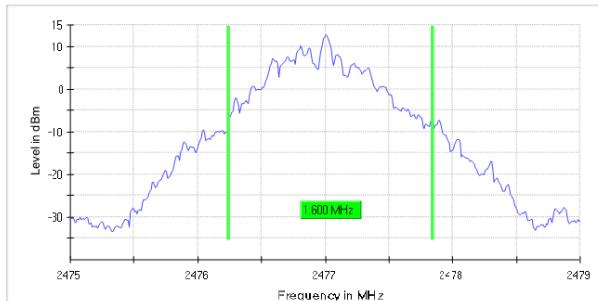
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2477.000000	1.600000	---	---	2476.245000	2477.845000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2477.000000	12.7	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	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	24 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.23 dB	0.50 dB

Appendix B.7: 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)

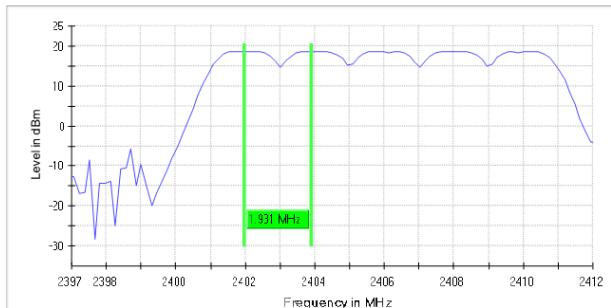
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

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	1.930693	1.100000	---	2401.975248	2403.905941

(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
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	12 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.03 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)

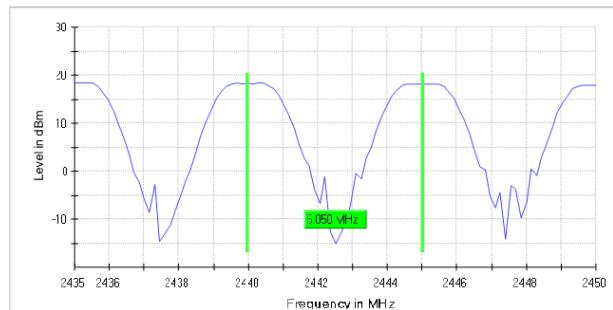
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2440.00000	5.049504	1.006667	--	2439.975248	2445.024752

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

DUT Frequency (MHz)	Result
2440.00000	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
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
Stable value	0.50 dB	0.50 dB
Run	14 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.15 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)

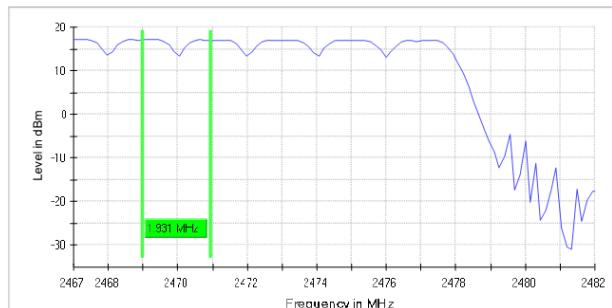
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

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	1.066667	--	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
Stable value	0.50 dB	0.50 dB
Run	12 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.05 dB	0.50 dB

Appendix B.8: Test Results of Number of Hopping Frequency

All hopping channels

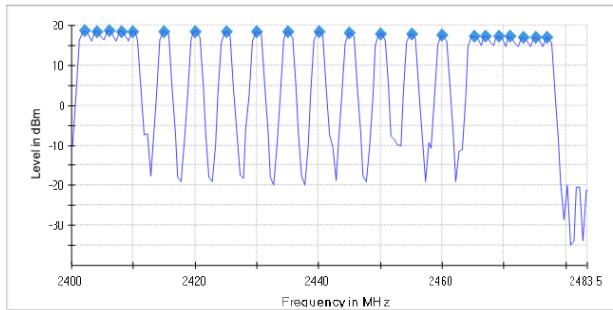
FCC Part 47 §15.247 2400-2483.5 MHz 2017

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
Sweptime	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
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	22 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.21 dB	0.50 dB

Appendix B.9: 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	70	157.388	-2.0

Periode

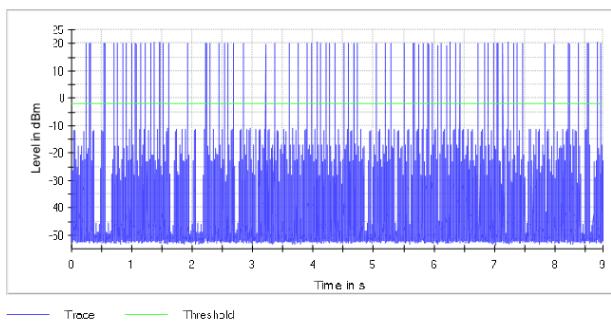
Min (ms)	Max (ms)	Mean (ms)
60.793	377.139	122.592

Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
0.16	2.504	400.000	0.000	2.215

DwellTime

Min (ms)	Max (ms)	Mean (ms)
0.16	2.504	2.215



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
Sweptime	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
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

Appendix B.10: Test Results of Conducted Emission on AC Mains

FHSS Connecting mode with adapter #1(Tenpao)

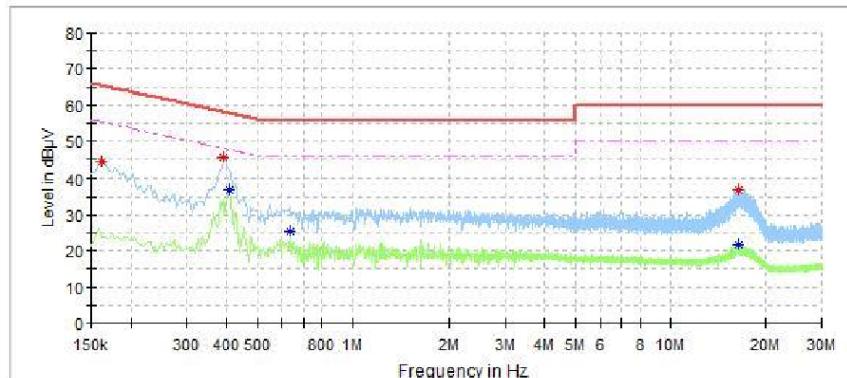
Test

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Test Report

EUT Information

EUT Name: Video Baby Monitor(Baby Unit)
Model: LUX64BU/LUX65BU
Order No.: 168134662 item 90
TestMode: NORMAL OPERATION
Test Voltage: AC 120V/60Hz
Test By: Shower.Dai
Review By: Gary Chen
Remark: Adapter model:S005BNU0500100



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.162000	44.13	—	65.36	21.23	---	—	L1	9.6
0.394000	45.66	—	57.98	12.32	---	—	L1	9.7
0.410000	—	37.01	47.65	10.64	---	—	L1	9.7
0.640000	—	25.32	46.00	20.68	---	—	L1	9.7
16.312000	36.86	—	60.00	23.14	---	—	L1	10.4
16.384000	—	21.57	50.00	28.43	---	—	L1	10.4

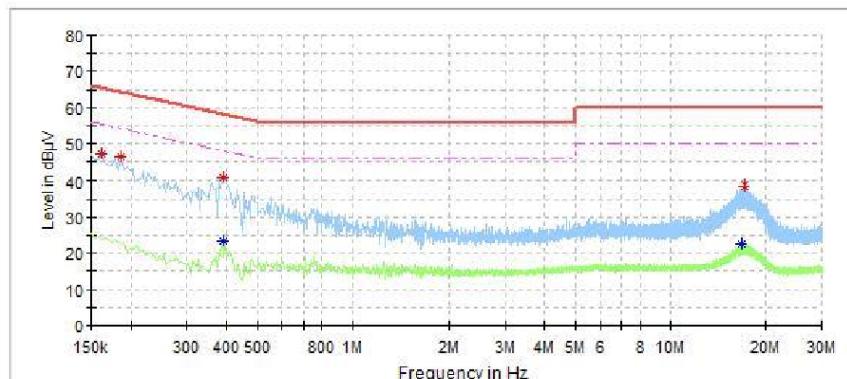
Final Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
---	---	---	---	---	---	—	—	---

Test Report

EUT Information

EUT Name: Video Baby Monitor(Baby Unit)
Model: LUX64BU/LUX65BU
Order No.: 168134662 item 90
Test Mode: NORMAL OPERATION
Test Voltage: AC 120V/60Hz
Test By: Shower.Dai
Review By: Gary Chen
Remark: Adapter model:S005BNU0500100



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.162000	47.16	--	65.36	18.20	---	--	N	9.6
0.186000	46.51	--	64.21	17.71	---	--	N	9.6
0.390000	40.63	--	58.06	17.44	---	--	N	9.7
0.390000	--	23.39	48.06	24.67	---	--	N	9.7
16.820000	--	22.50	50.00	27.50	---	--	N	10.4
17.092000	38.39	--	60.00	21.61	---	--	N	10.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
--	--	--	--	--	--	--	--	--

FHSS Connecting mode with adapter #2(YWK)

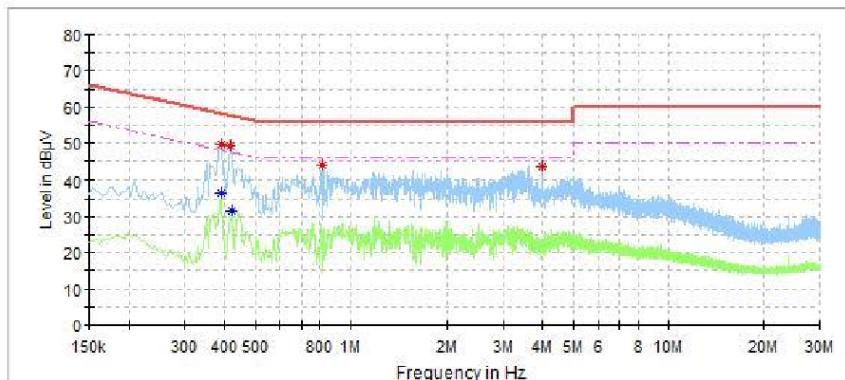
Test

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Test Report

EUT Information

EUT Name: Video Baby Monitor(Baby Unit)
Model: LUX64BU/LUX65BU
Order No.: 168134662 item 90
TestMode: NORMAL OPERATION
TestVoltage: AC 120V/60Hz
TestBy: Shower.Dai
Review By: Gary Chen
Remark: Adapter model:YWK-AD050100-U



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.390000	—	36.51	48.06	11.55	—	—	L1	9.7
0.394000	49.65	—	57.98	8.33	—	—	L1	9.7
0.418000	49.20	—	57.49	8.29	—	—	L1	9.7
0.422000	—	31.59	47.41	15.82	—	—	L1	9.7
0.820000	44.10	—	56.00	11.90	—	—	L1	9.7
3.992000	43.32	—	56.00	12.68	—	—	L1	9.9

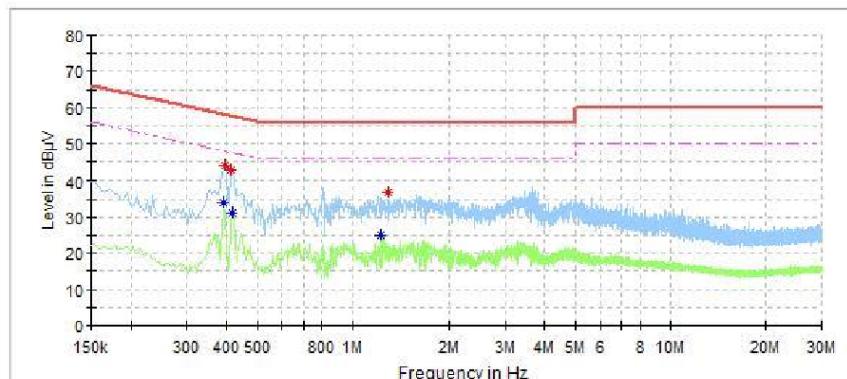
Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
—	—	—	—	—	—	—	—	—

Test Report

EUT Information

EUT Name: Video Baby Monitor(Baby Unit)
Model: LUX64BU/LUX65BU
Order No.: 168134662 item 90
TestMode: NORMAL OPERATION
Test Voltage: AC 120V/60Hz
Test By: Shower.Dai
Review By: Gary Chen
Remark: Adapter model:YWK-AD050100-U



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.394000	--	33.90	47.98	14.08	--	--	N	9.7
0.398000	43.83	--	57.90	14.07	--	--	N	9.7
0.414000	42.60	--	57.57	14.97	--	--	N	9.7
0.418000	--	31.30	47.49	16.19	--	--	N	9.7
1.236000	--	25.08	46.00	20.92	--	--	N	9.7
1.296000	36.82	--	56.00	19.18	--	--	N	9.7

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
--	--	--	--	--	--	--	--	--

FHSS Connecting mode with adapter #3(BECKY)

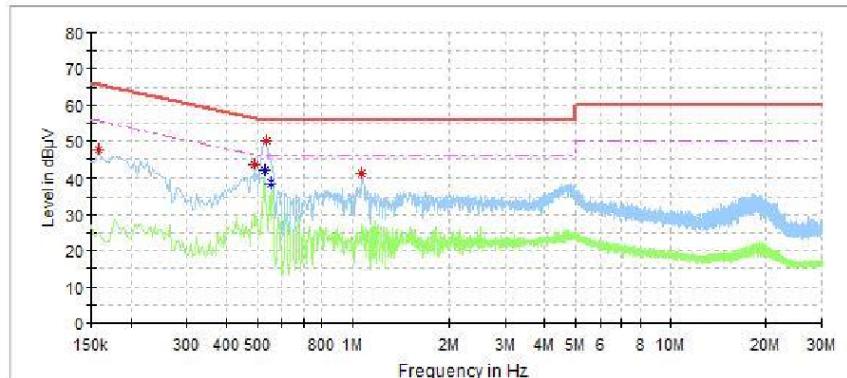
Test

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Test Report

EUT Information

EUT Name: Video Baby Monitor(Baby Unit)
Model: LUX64BU/LUX65BU
Order No.: 168134662 item 90
TestMode: NORMAL OPERATION
TestVoltage: AC 120V/60Hz
TestBy: Shower.Dai
Review By: Gary Chen
Remark: Adapter model:BQ06A-0501000-U



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.158000	47.52	--	65.57	18.05	--	--	L1	9.6
0.494000	43.30	--	56.10	12.80	--	--	L1	9.7
0.528000	--	41.81	46.00	4.19	--	--	L1	9.7
0.536000	50.10	--	56.00	5.90	--	--	L1	9.7
0.556000	--	38.46	46.00	7.54	--	--	L1	9.7
1.072000	40.84	--	56.00	15.16	--	--	L1	9.7

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
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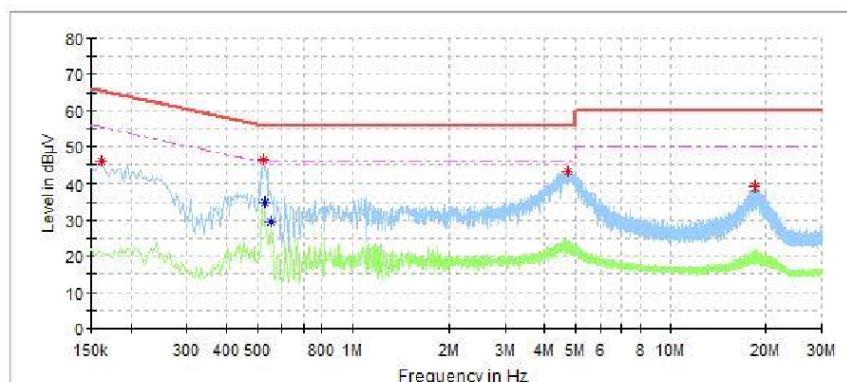
Test

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Test Report

EUT Information

EUT Name: Video Baby Monitor(Baby Unit)
Model: LUX64BU/LUX65BU
Order No.: 168134662 item 90
TestMode: NORMAL OPERATION
Test Voltage: AC 120V/60Hz
TestBy: Shower.Dai
Review By: Gary Chen
Remark: Adapter model:BQ06A-0501000-U



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.162000	46.07	--	65.36	19.29	--	--	N	9.6
0.524000	46.28	--	56.00	9.72	--	--	N	9.7
0.528000	--	35.02	46.00	10.98	--	--	N	9.7
0.556000	--	29.55	46.00	16.45	--	--	N	9.7
4.720000	43.18	--	56.00	12.82	--	--	N	9.9
18.532000	39.08	--	60.00	20.92	--	--	N	10.5

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
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