

Appendix B: Test Results of Thread

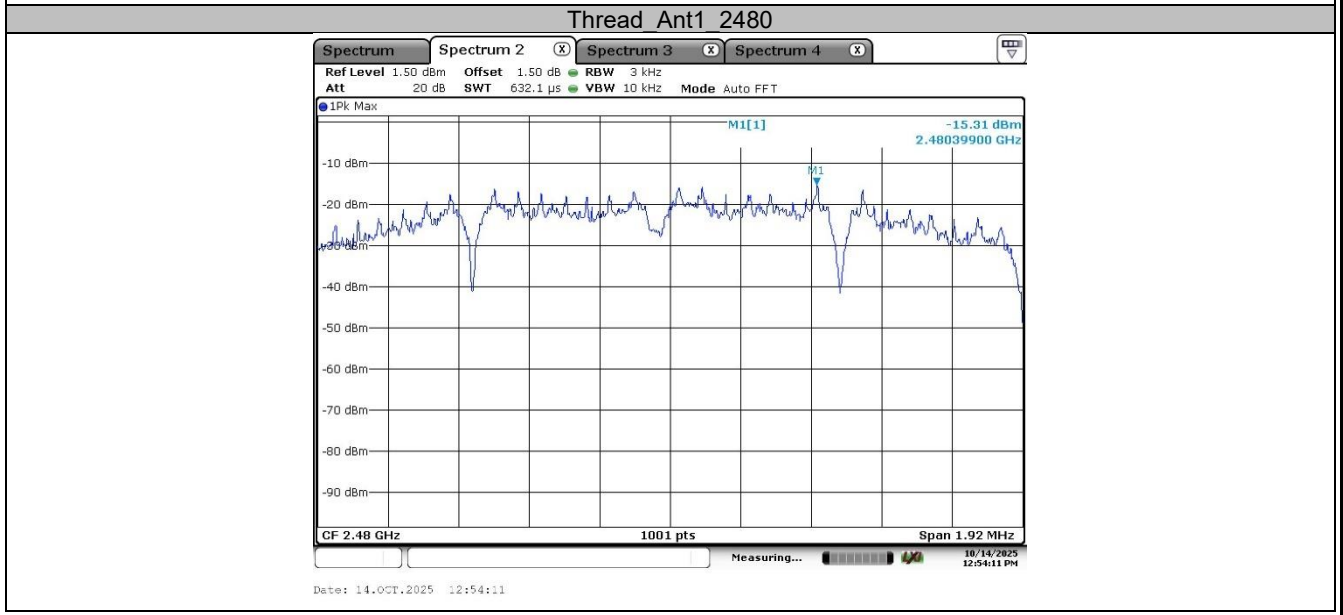
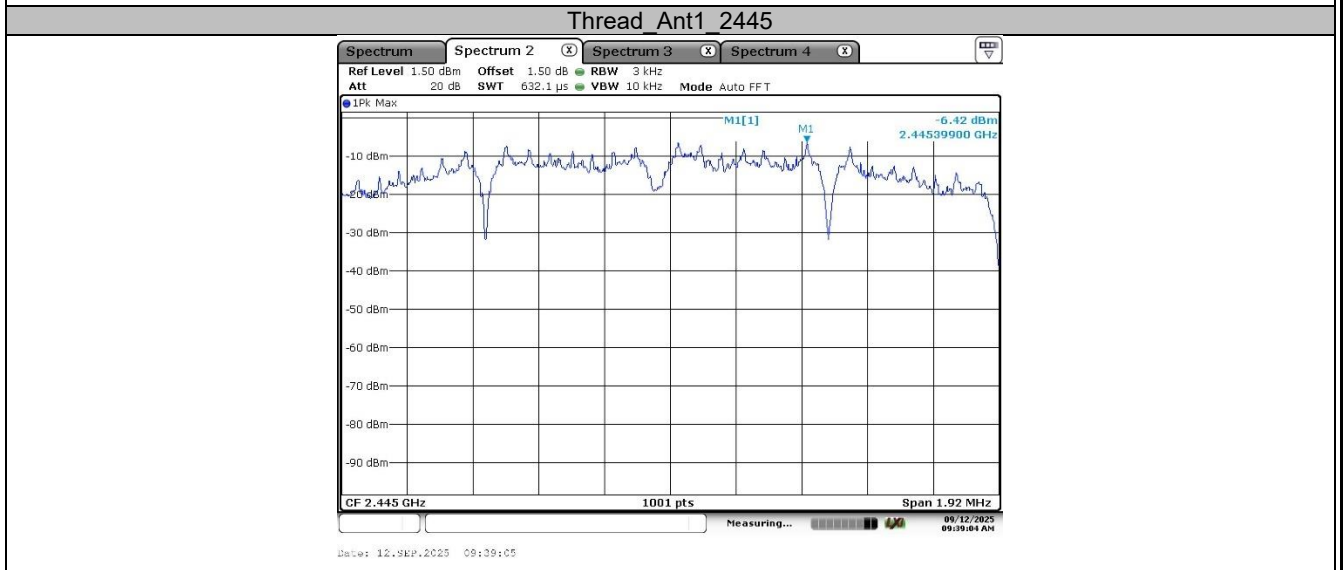
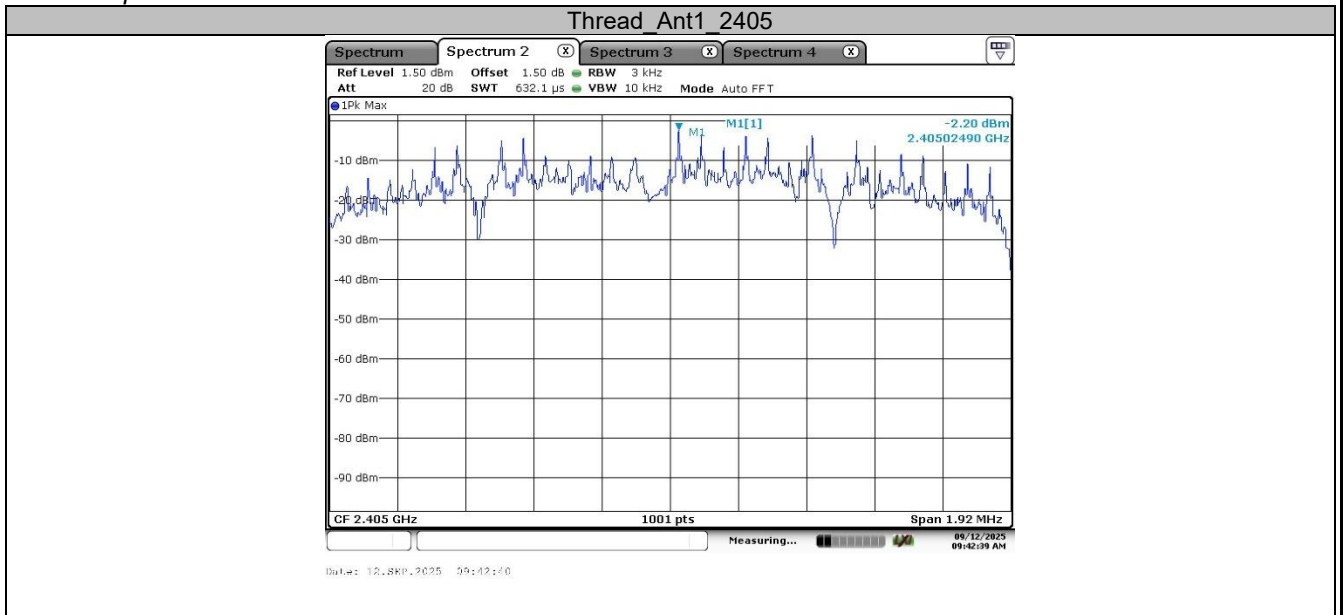
APPENDIX B: TEST RESULTS OF THREAD	1
APPENDIX B.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	2
<i>Test Result.....</i>	<i>2</i>
<i>Test Graphs.....</i>	<i>3</i>
APPENDIX B.2: TEST RESULTS OF 6dB BANDWIDTH.....	4
APPENDIX B.3: TEST RESULTS OF 99% BANDWIDTH.....	7
APPENDIX B.4: TEST RESULTS OF BAND EDGE MEASUREMENTS.....	10
APPENDIX B.5: TEST RESULTS OF CONDUCTED SPURIOUS EMISSION.....	12
APPENDIX B.6: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	14
<i>30 MHz - 1GHz.....</i>	<i>14</i>
<i>1GHz - 18GHz.....</i>	<i>16</i>
APPENDIX B.7: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	28
APPENDIX B.8: CONDUCTED EMISSION ON AC MAINS	32

Appendix B.1: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
Thread	Ant1	2405	-2.20	≤8.00	PASS
		2445	-6.42	≤8.00	PASS
		2480	-15.31	≤8.00	PASS

Test Graphs



Appendix B.2: Test Results of 6dB Bandwidth

Minimum Emission Bandwidth 6 dB (2405 MHz; 20.000 dBm; 5 MHz)

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

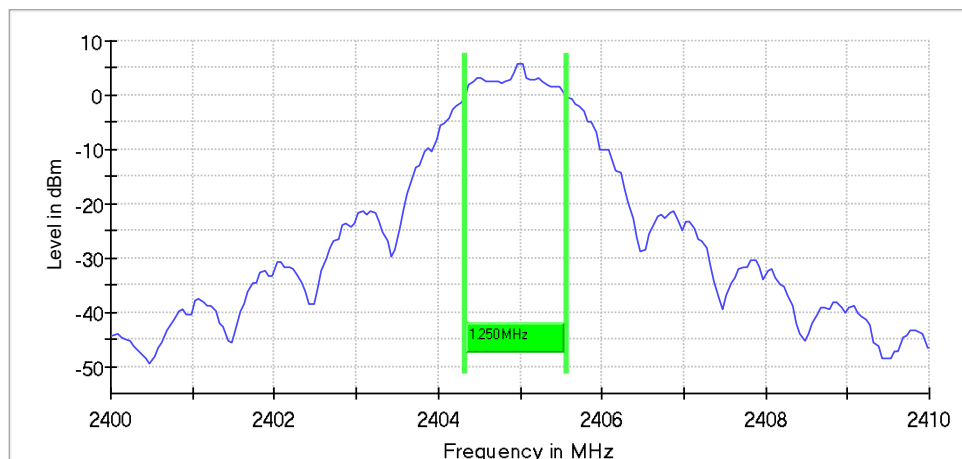
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2405.000000	1.250000	0.500000	---	2404.325000	2405.575000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2405.000000	5.9	PASS

6 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.41000 GHz	2.41000 GHz
Span	10.000 MHz	10.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	200	~ 200
Sweptime	37.969 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
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	13 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.50 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2445 MHz; 20.000 dBm; 5 MHz)

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

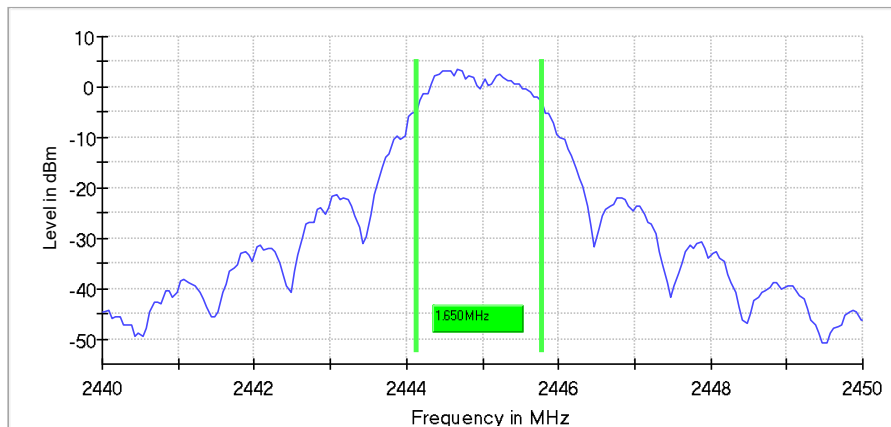
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2445.000000	1.650000	0.500000	---	2444.125000	2445.775000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2445.000000	3.4	PASS

6 dB Bandwidth



Bandwidth

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.45000 GHz	2.45000 GHz
Span	10.000 MHz	10.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	200	~ 200
SweepTime	37.969 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
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	0.00 dB	0.50 dB

Minimum Emission Bandwidth 6 dB (2480 MHz; 20.000 dBm; 5 MHz)

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

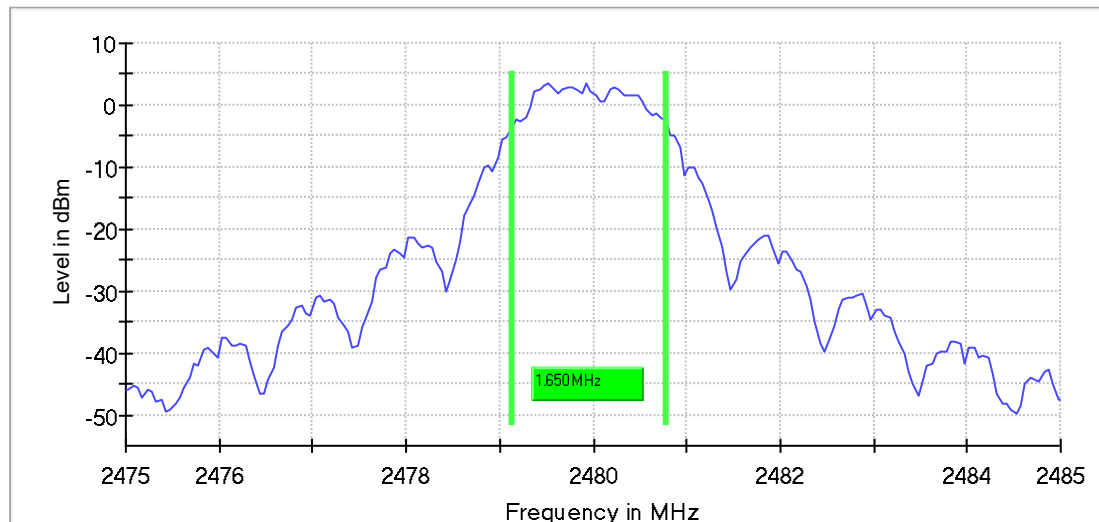
6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.650000	0.500000	---	2479.125000	2480.775000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	3.6	PASS

6 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47500 GHz	2.47500 GHz
Stop Frequency	2.48500 GHz	2.48500 GHz
Span	10.000 MHz	10.000 MHz
RBW	100.000 kHz	~ 100.000 kHz
VBW	300.000 kHz	~ 300.000 kHz
SweepPoints	200	~ 200
SweepTime	37.969 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
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	36 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.00 dB	0.50 dB

Appendix B.3: Test Results of 99% Bandwidth

Occupied Channel Bandwidth 99% (2405 MHz; 20.000 dBm; 5 MHz)

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

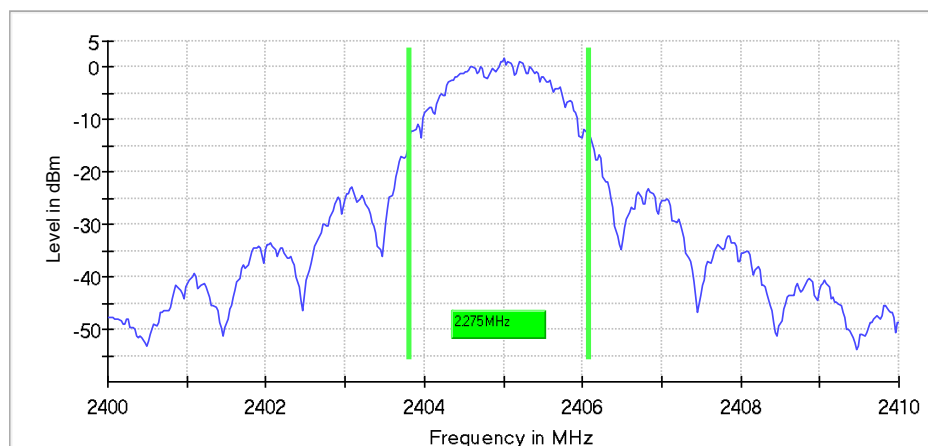
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2405.000000	2.275000	---	---	2403.812500	2406.087500

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

DUT Frequency (MHz)	Result
2405.000000	PASS

99 % Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.41000 GHz	2.41000 GHz
Span	10.000 MHz	10.000 MHz
RBW	50.000 kHz	>= 50.000 kHz
VBW	200.000 kHz	>= 150.000 kHz
SweepPoints	400	~ 400
Sweptime	75.781 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
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	19 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.12 dB	0.30 dB

Occupied Channel Bandwidth 99% (2445 MHz; 20.000 dBm; 5 MHz)

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

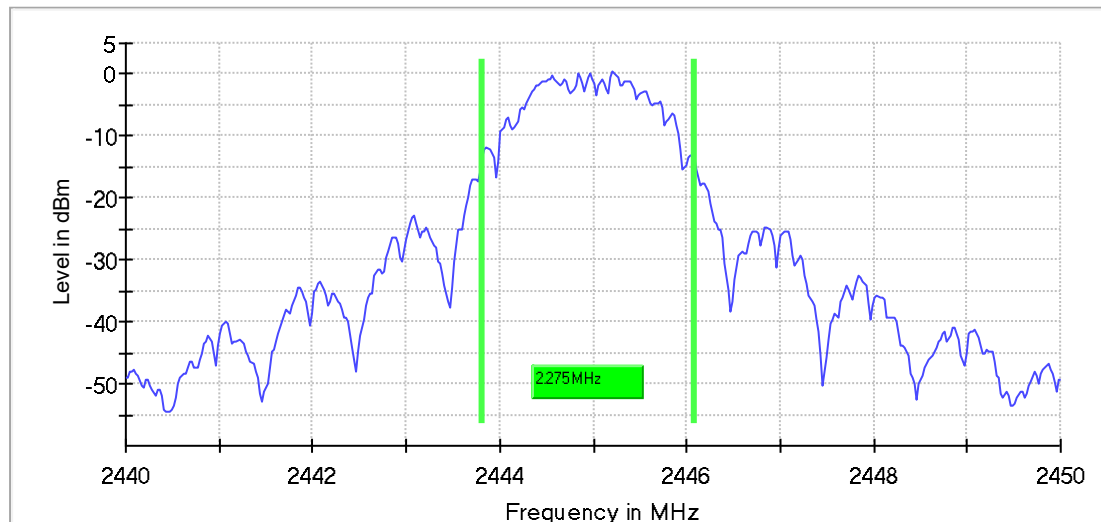
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2445.000000	2.275000	---	---	2443.812500	2446.087500

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

DUT Frequency (MHz)	Result
2445.000000	PASS

99 % Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.45000 GHz	2.45000 GHz
Span	10.000 MHz	10.000 MHz
RBW	50.000 kHz	>= 50.000 kHz
VBW	200.000 kHz	>= 150.000 kHz
SweepPoints	400	~ 400
SweepTime	75.781 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
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	35 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Occupied Channel Bandwidth 99% (2480 MHz; 20.000 dBm; 5 MHz)

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

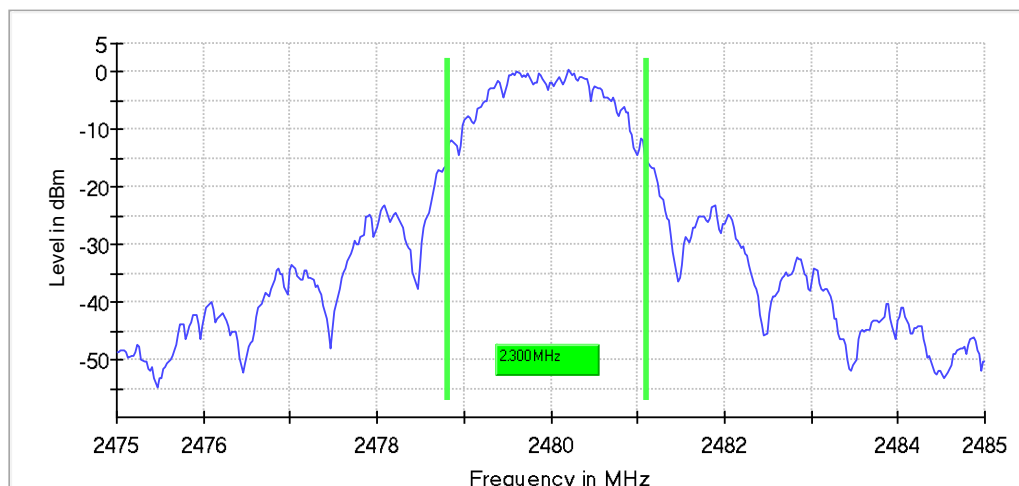
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	2.300000	---	---	2478.812500	2481.112500

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

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth

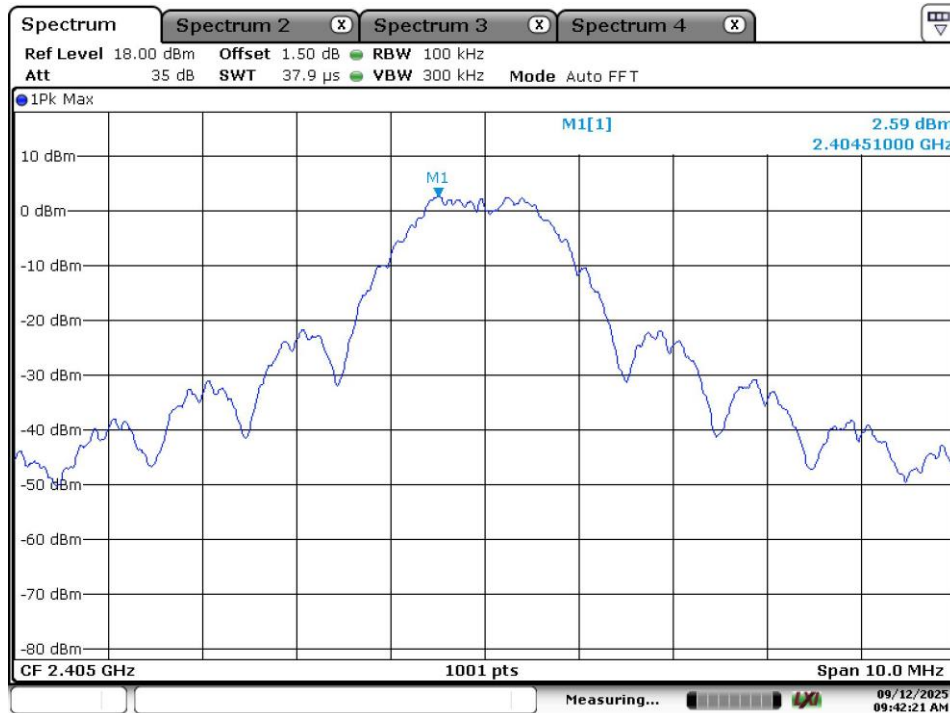


Measurement

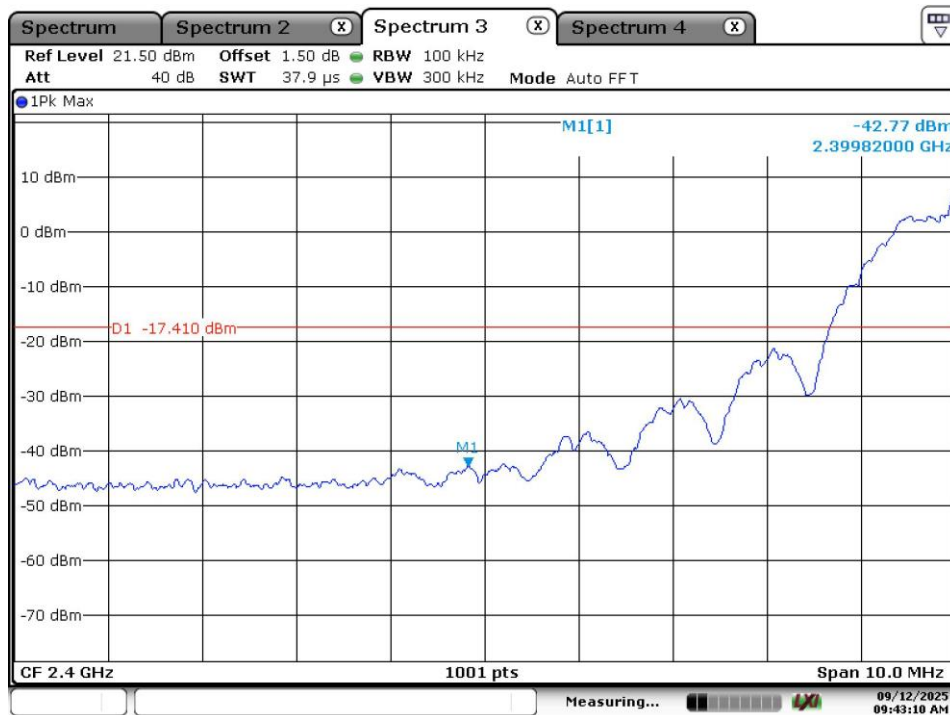
Setting	Instrument Value	Target Value
Start Frequency	2.47500 GHz	2.47500 GHz
Stop Frequency	2.48500 GHz	2.48500 GHz
Span	10.000 MHz	10.000 MHz
RBW	50.000 kHz	>= 50.000 kHz
VBW	200.000 kHz	>= 150.000 kHz
SweepPoints	400	~ 400
SweepTime	75.781 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
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	34 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.00 dB	0.30 dB

Appendix B.4: Test Results of Band Edge Measurements

2405MHz:

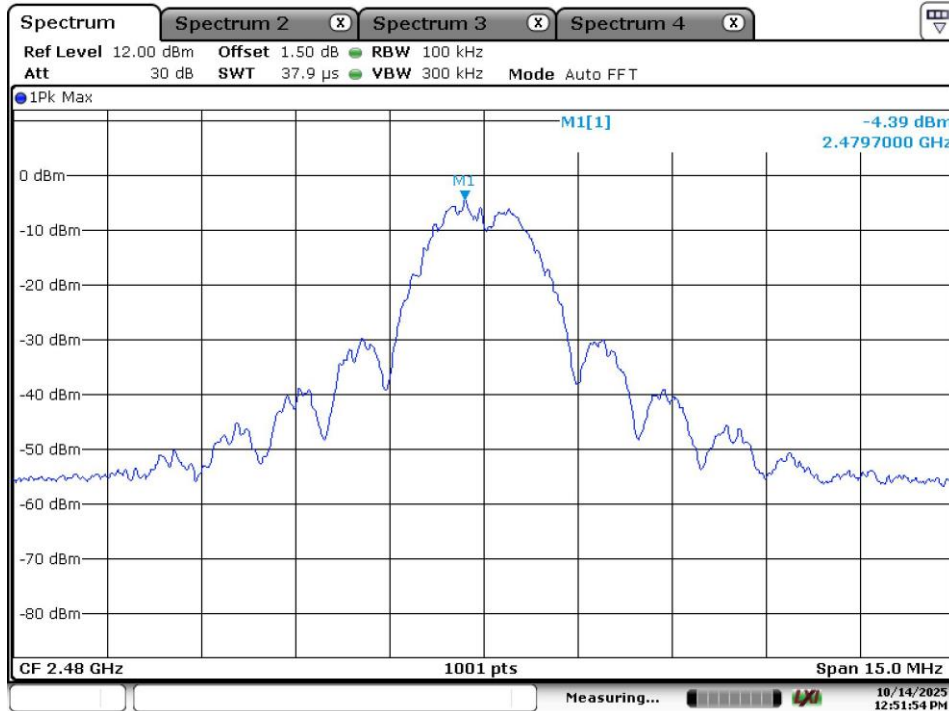


Date: 12.SEP.2025 09:42:21

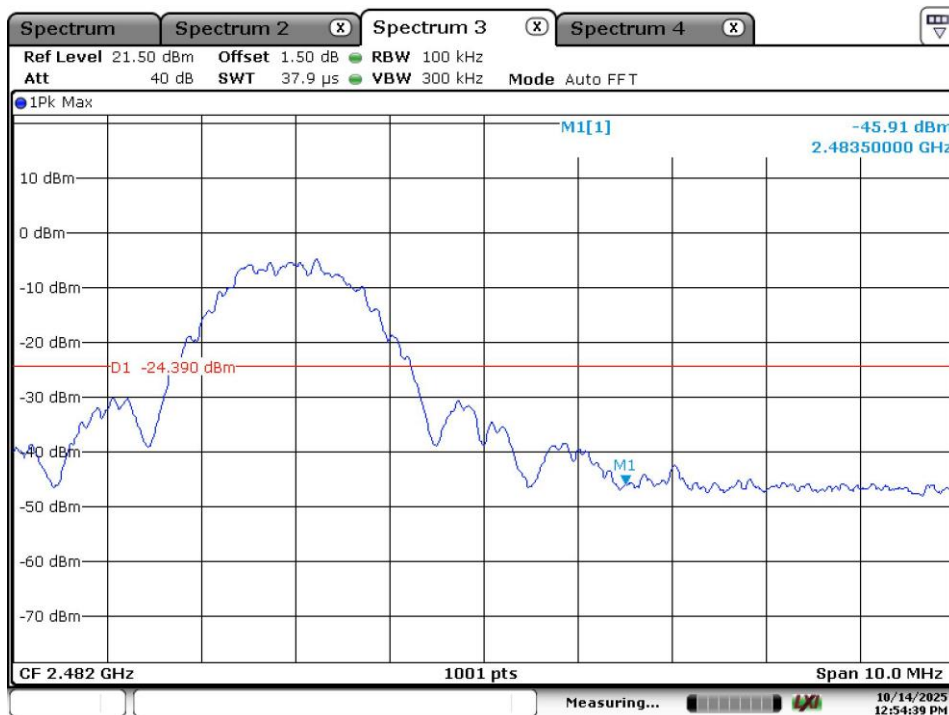


Date: 12.SEP.2025 09:43:11

2480MHz:



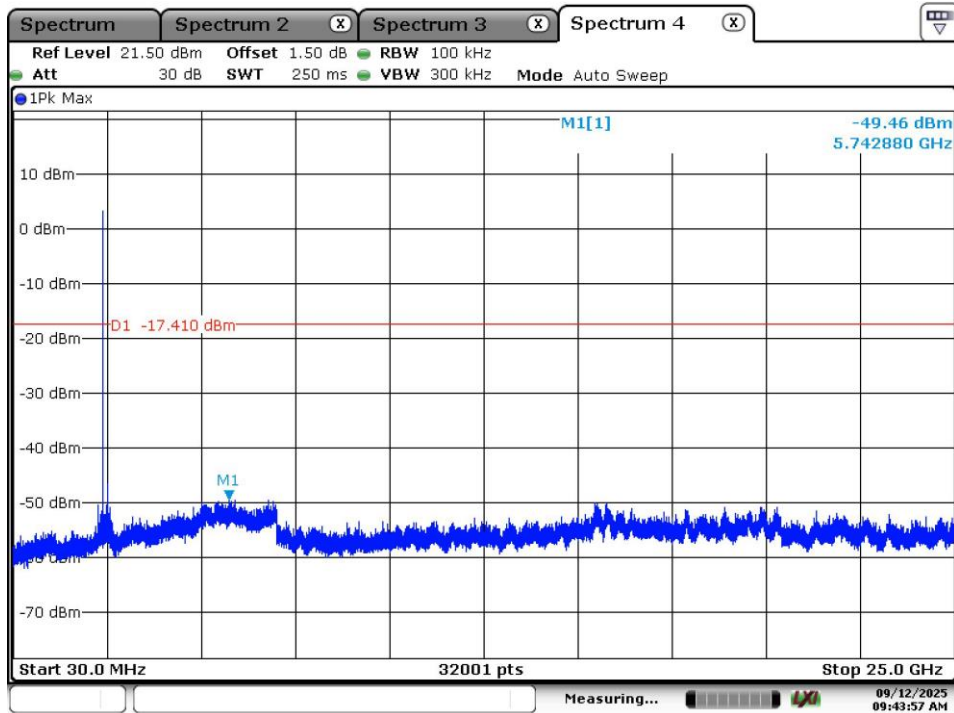
Date: 14.OCT.2025 12:51:54



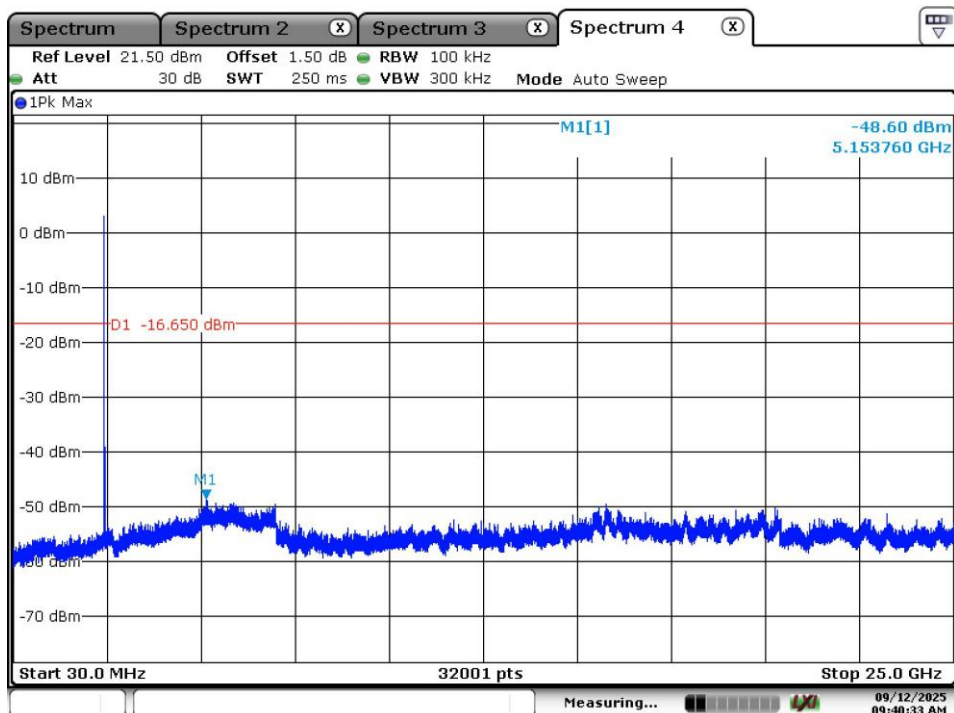
Date: 14.OCT.2025 12:54:39

Appendix B.5: Test Results of Conducted Spurious Emission

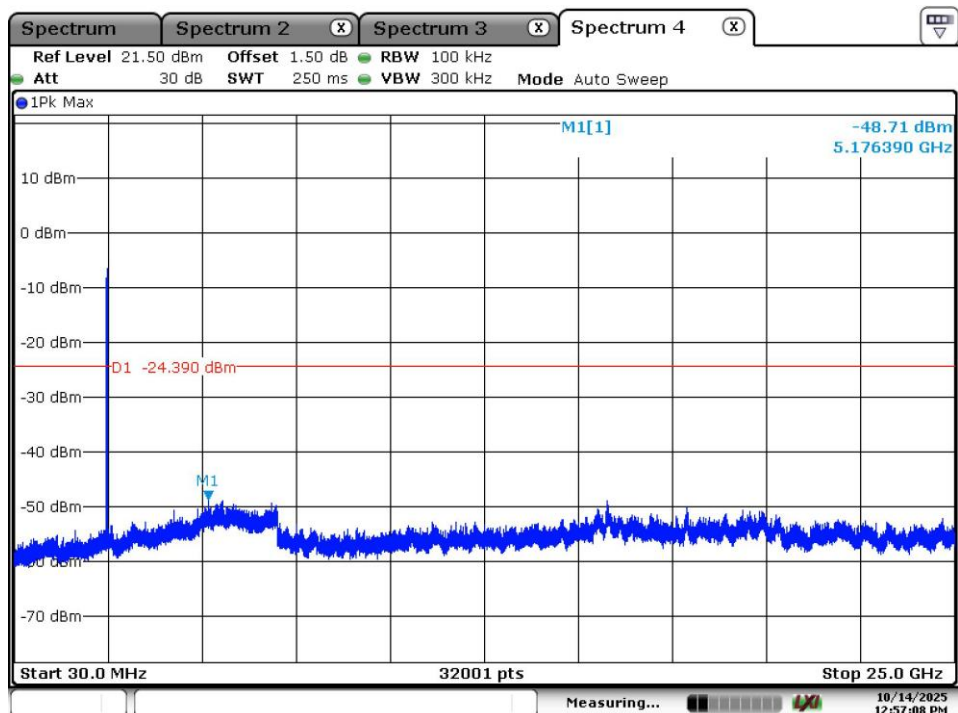
2405MHz:



2445MHz:



2480MHz:



Date: 14.OCT.2025 12:57:08

Appendix B.6: Test Results of Radiated Spurious Emissions

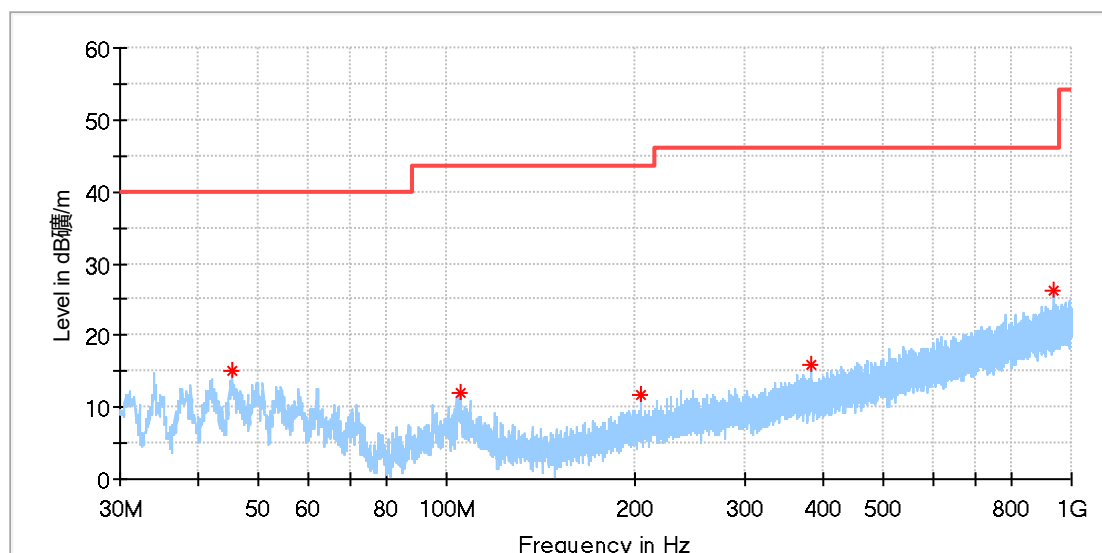
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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.

30 MHz - 1GHz

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Mid channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

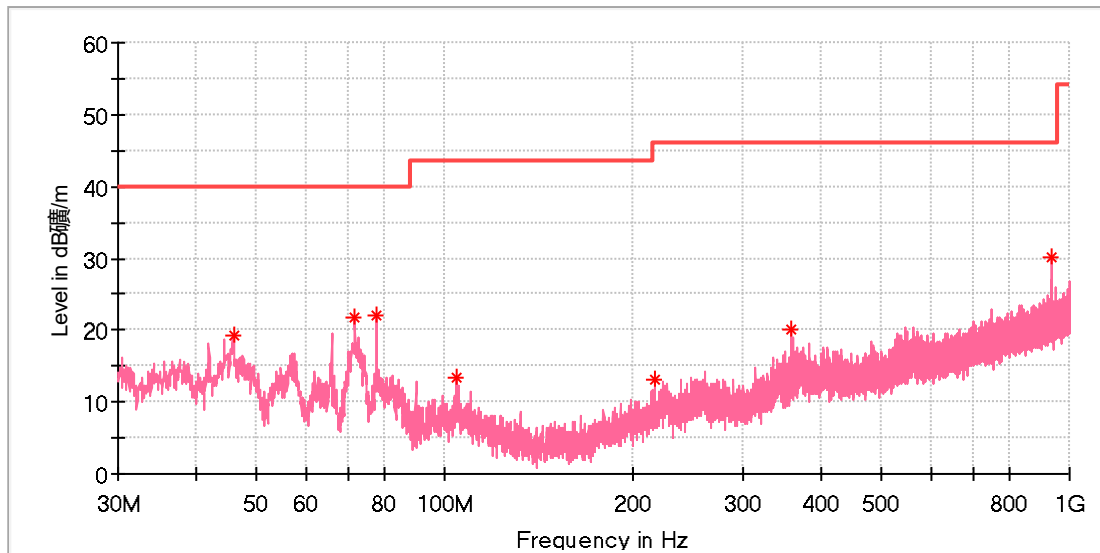
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.258846	15.20	40.00	24.80	100.0	H	0.0	-18.9
105.473462	12.01	43.50	31.49	100.0	H	227.0	-18.9
204.786539	11.68	43.50	31.82	100.0	H	227.0	-19.0
384.050000	15.93	46.00	30.07	100.0	H	154.0	-14.1
938.442308	26.11	46.00	19.89	100.0	H	111.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Eve Thermo
Model: 20ECR4101
Test Mode: Thread_Mid channel
Order No/Sample No: 168573320/A004074028-004
Test Voltage:: AC 24V
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.893077	19.30	40.00	20.70	100.0	V	10.0	-18.8
71.896539	21.81	40.00	18.19	100.0	V	83.0	-22.5
77.865769	22.06	40.00	17.94	100.0	V	92.0	-23.5
104.652692	13.46	43.50	30.04	100.0	V	223.0	-18.9
217.657692	12.98	46.00	33.02	100.0	V	329.0	-18.7
359.352308	20.22	46.00	25.78	100.0	V	289.0	-14.6
937.546923	30.17	46.00	15.83	100.0	V	329.0	-4.4

Final_Result

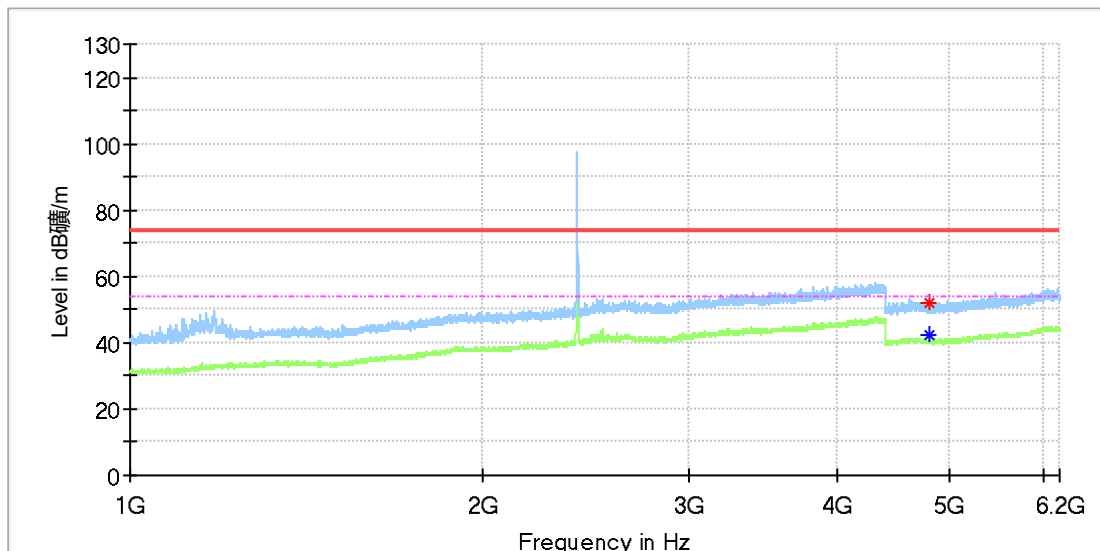
Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Low channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

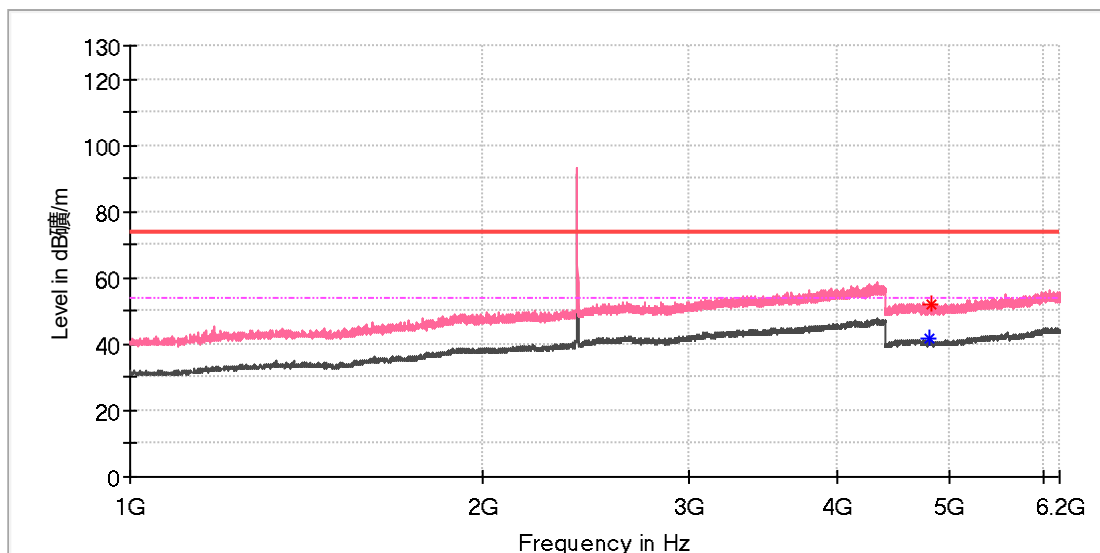
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.500000	52.10	---	74.00	21.90	150.0	H	276.0	13.3
4809.000000	---	42.36	54.00	11.64	150.0	H	314.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Low channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

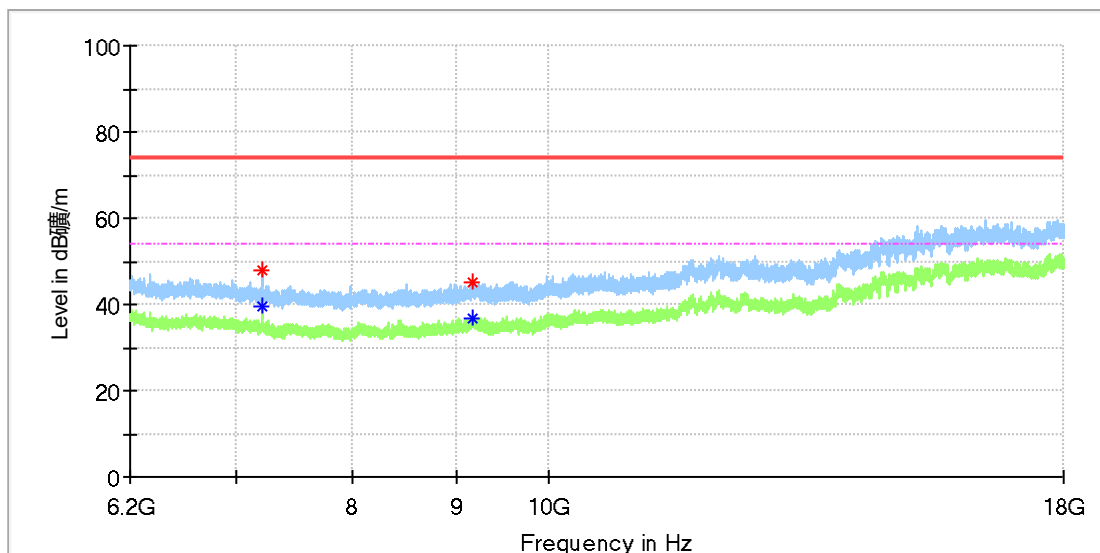
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4809.000000	---	41.47	54.00	12.53	150.0	V	0.0	13.3
4815.500000	51.80	---	74.00	22.20	150.0	V	65.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.750 MHz	100.000 dBμV/m	90.000 dBμV/m	100.000 dBμV/m	0.000 dB	100.000 cm	000.000	000.000	000.000

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Low channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

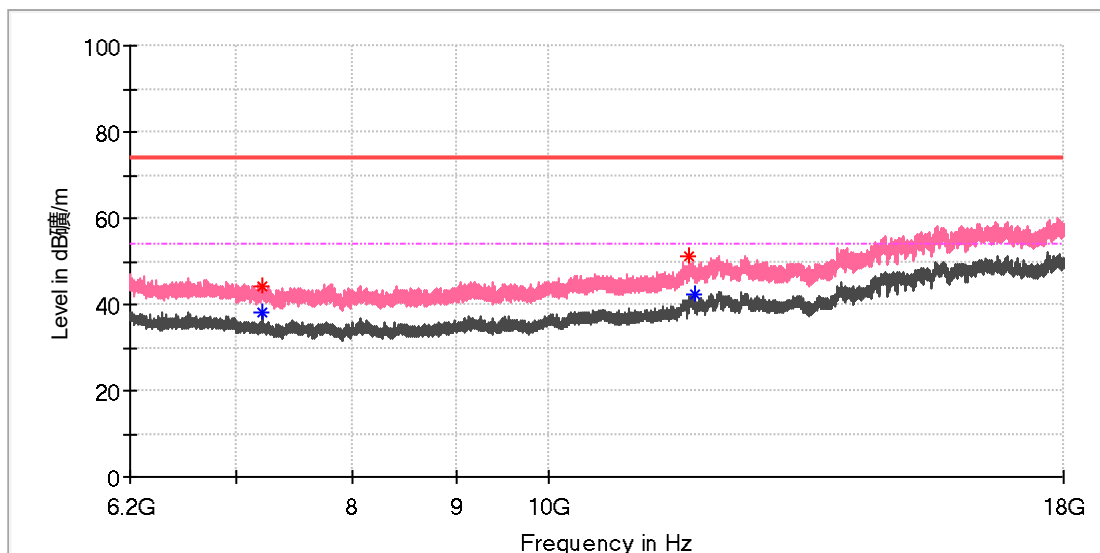
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7212.833333	47.81	---	74.00	26.19	150.0	H	83.0	8.7
7216.275000	---	39.52	54.00	14.48	150.0	H	321.0	8.7
9162.783333	45.13	---	74.00	28.87	150.0	H	313.0	10.5
9172.616667	---	36.65	54.00	17.35	150.0	H	0.0	10.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Low channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

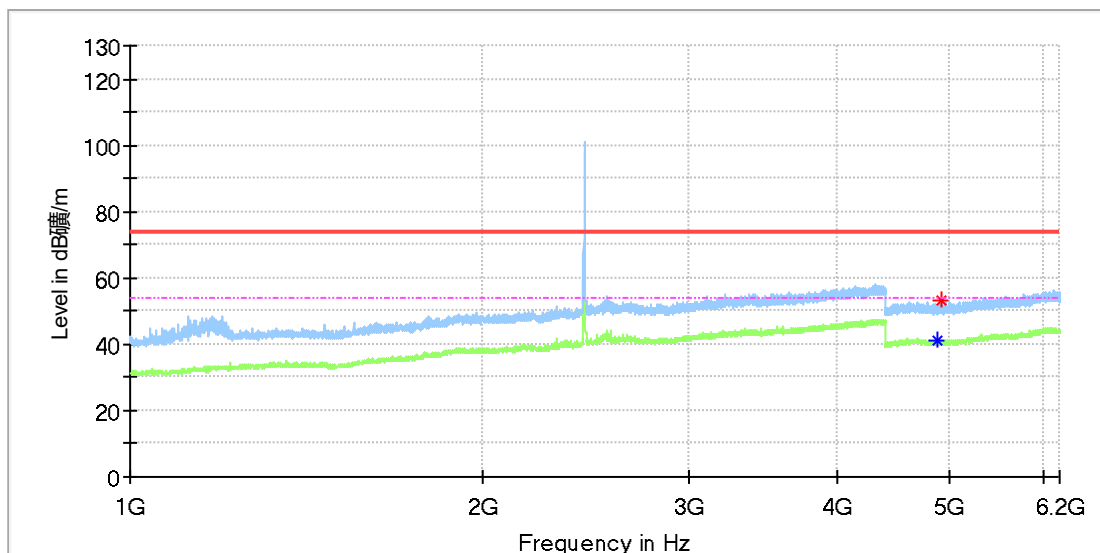
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7214.800000	44.03	---	74.00	29.97	150.0	V	45.0	8.7
7216.275000	---	37.93	54.00	16.07	150.0	V	45.0	8.7
11744.525000	51.07	---	74.00	22.93	150.0	V	37.0	15.2
11805.000000	---	42.12	54.00	11.88	150.0	V	4.0	14.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Mid channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

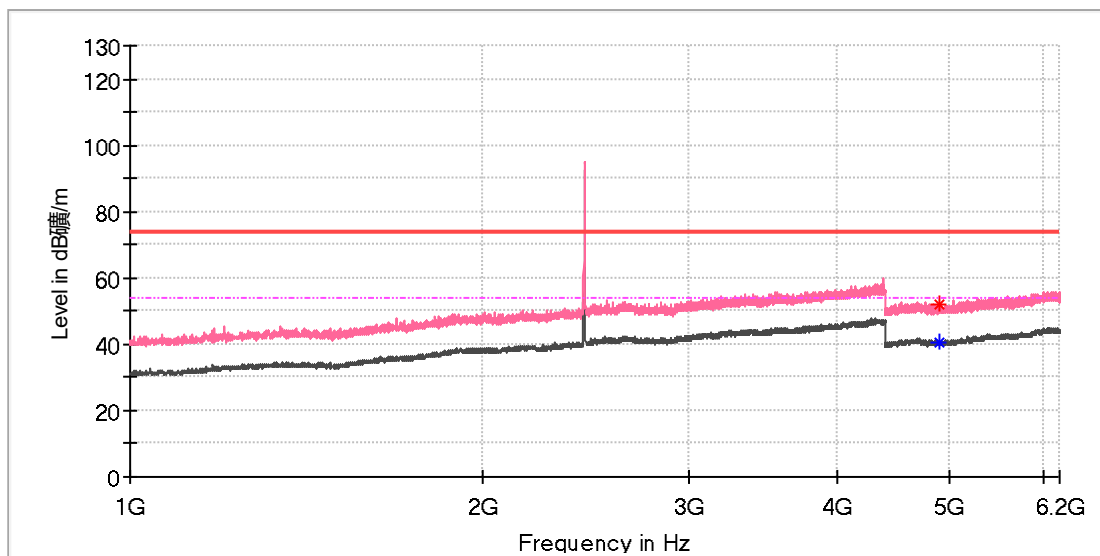
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4881.000000	---	41.33	54.00	12.67	150.0	H	321.0	13.3
4908.500000	52.96	---	74.00	21.04	150.0	H	219.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.750 MHz	93.750 MHz	93.750 MHz	93.750 MHz	93.750 MHz	93.750 MHz		93.750 MHz	93.750 MHz

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Mid channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

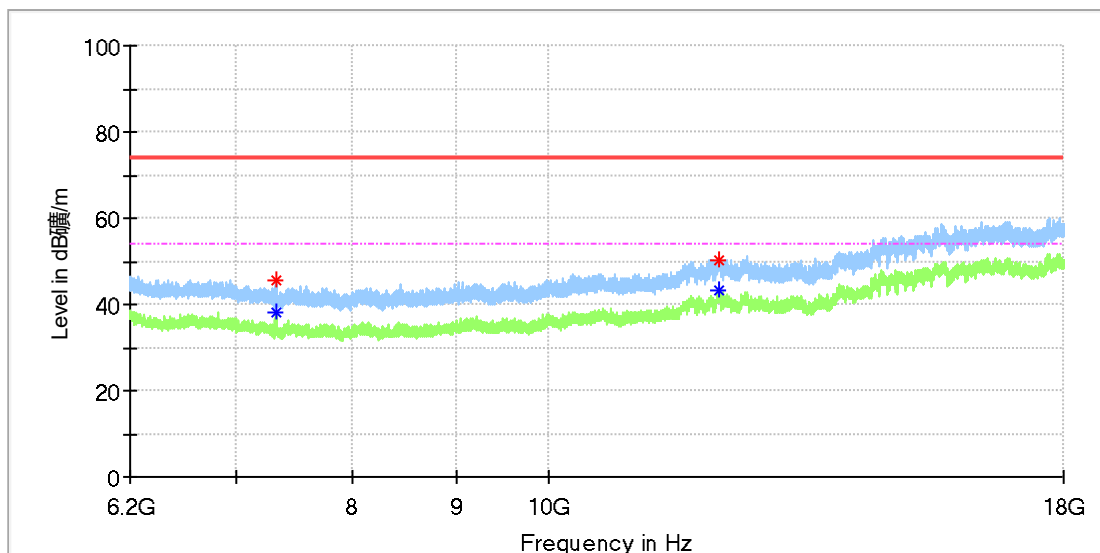
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4900.000000	---	40.69	54.00	13.31	150.0	V	2.0	13.3
4901.000000	52.30	---	74.00	21.70	150.0	V	236.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Mid channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

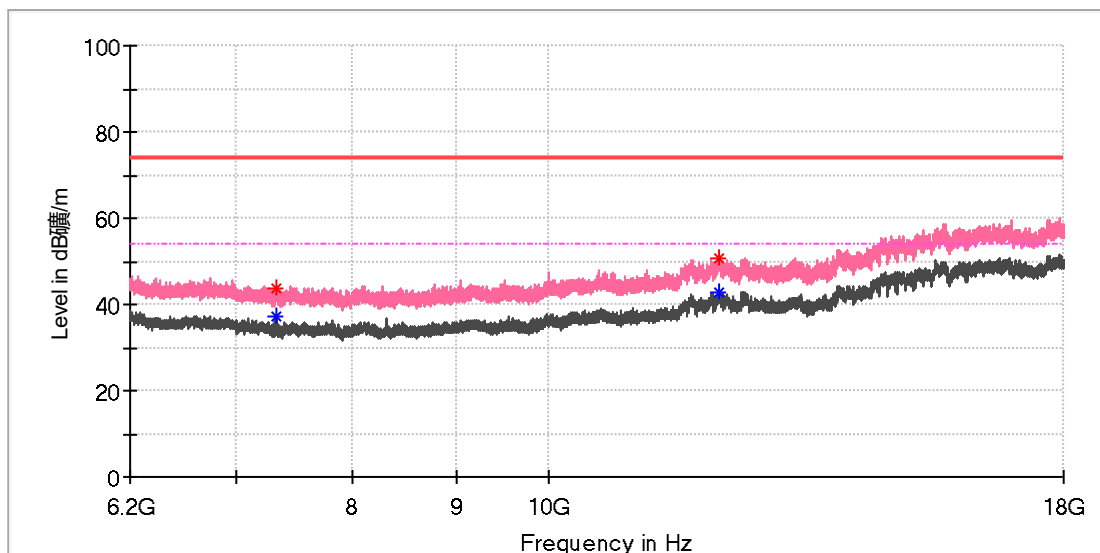
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7318.541667	45.42	---	74.00	28.58	150.0	H	187.0	8.2
7319.525000	---	37.95	54.00	16.05	150.0	H	195.0	8.2
12137.858333	---	43.09	54.00	10.91	150.0	H	328.0	16.4
12142.775000	50.37	---	74.00	23.63	150.0	H	228.0	16.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Mid channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

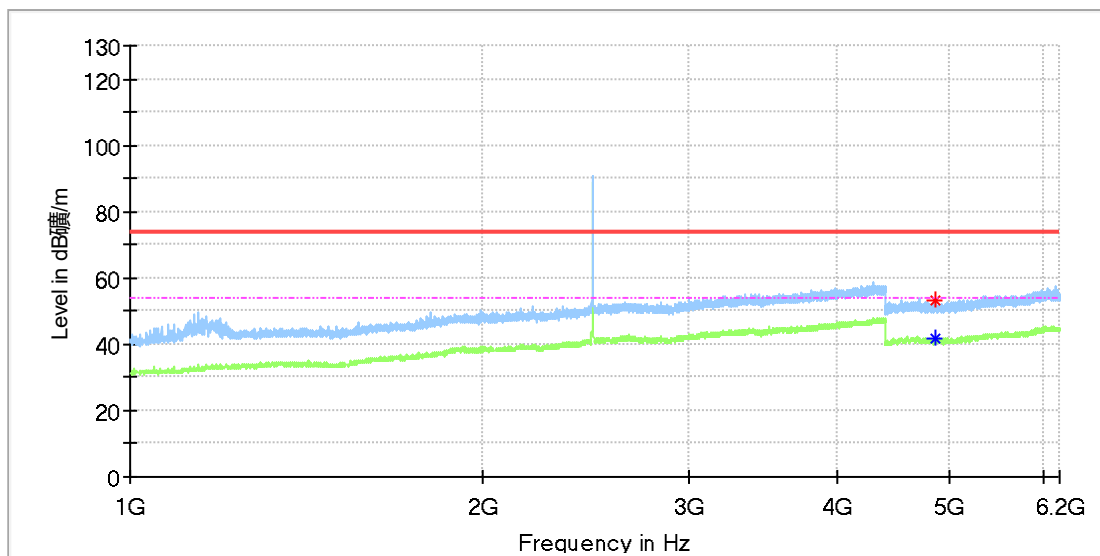
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7321.000000	43.70	---	74.00	30.30	150.0	V	19.0	8.2
7321.491667	---	37.28	54.00	16.72	150.0	V	19.0	8.2
12136.383333	50.62	---	74.00	23.38	150.0	V	179.0	16.4
12157.033333	---	42.68	54.00	11.32	150.0	V	187.0	16.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_High channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

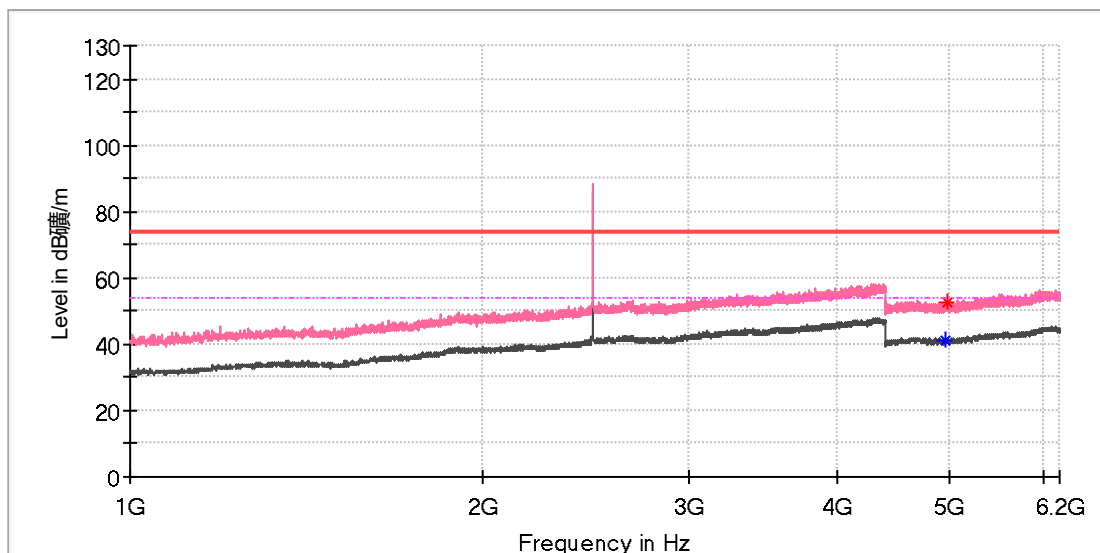
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4860.000000	---	41.62	54.00	12.38	150.0	H	140.0	13.3
4862.000000	53.12	---	74.00	20.88	150.0	H	238.0	13.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_High channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

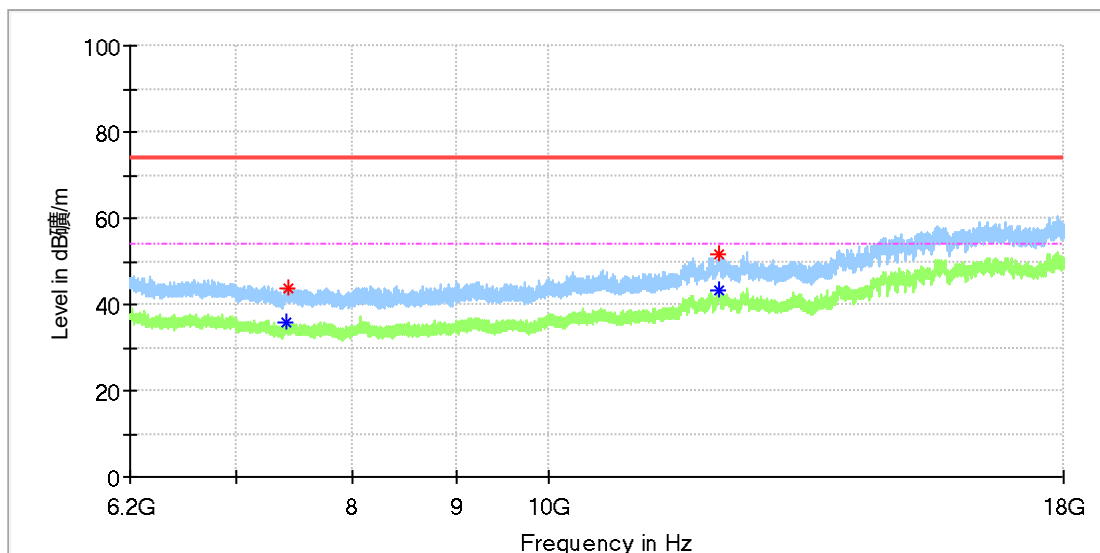
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4950.500000	---	41.31	54.00	12.69	150.0	V	223.0	13.3
4966.000000	52.53	---	74.00	21.47	150.0	V	211.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	PoI	Azimuth (deg)	Corr. (dB/m)
900 000 000	900 000 000	900 000 000	900 000 000	900 000 000	900 000 000		900 000 000	900 000 000

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_High channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

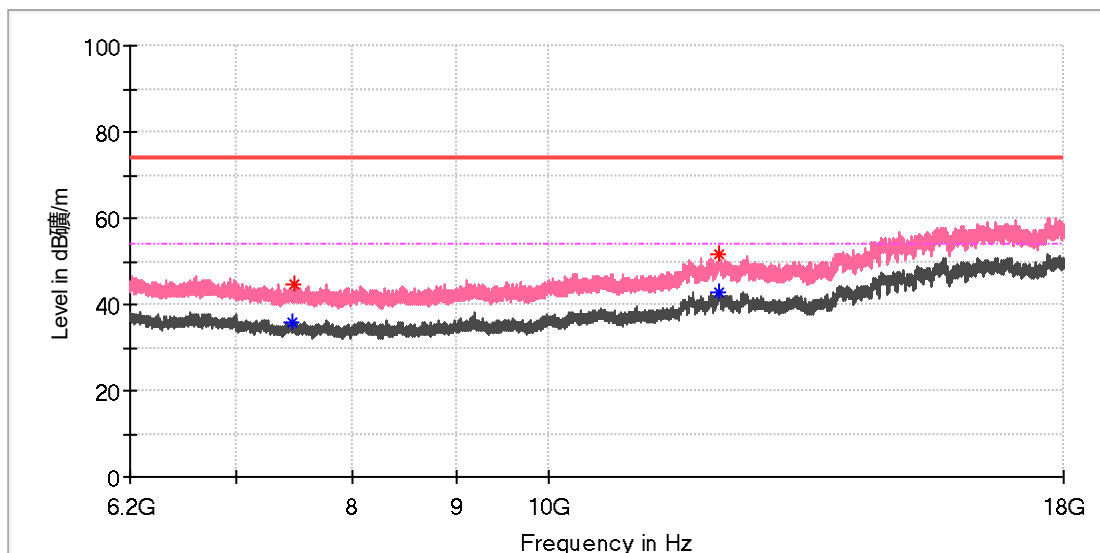
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7406.550000	---	35.68	54.00	18.32	150.0	H	0.0	8.3
7421.791667	43.67	---	74.00	30.33	150.0	H	49.0	8.4
12143.758333	51.48	---	74.00	22.52	150.0	H	7.0	16.6
12143.758333	---	43.11	54.00	10.89	150.0	H	7.0	16.6

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_High channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
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)
7458.666667	---	35.83	54.00	18.17	150.0	V	17.0	8.5
7486.691667	44.71	---	74.00	29.29	150.0	V	278.0	8.7
12150.641667	51.48	---	74.00	22.52	150.0	V	296.0	16.7
12151.625000	---	43.00	54.00	11.00	150.0	V	332.0	16.6

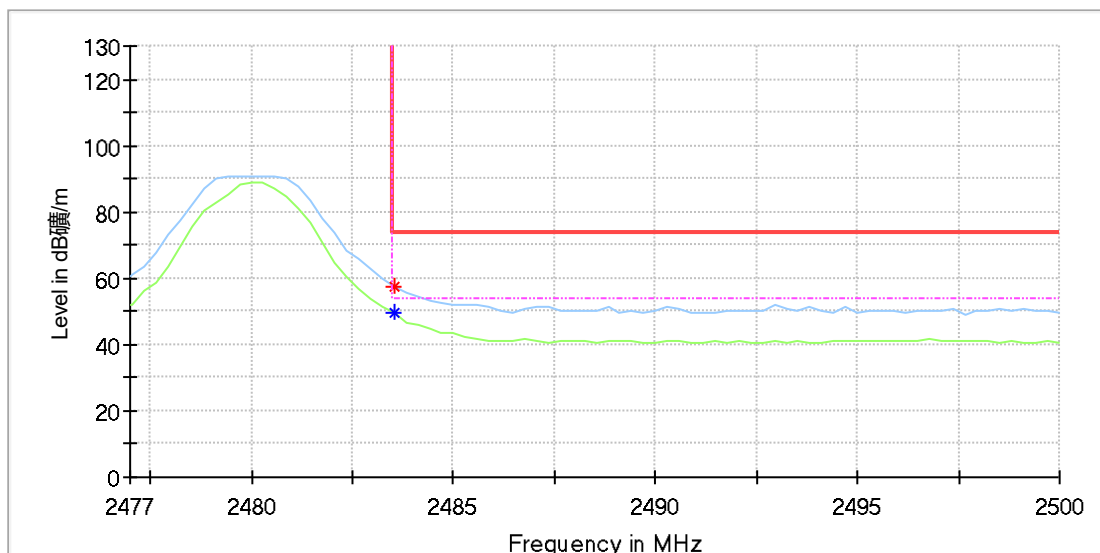
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Appendix B.7: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_High channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

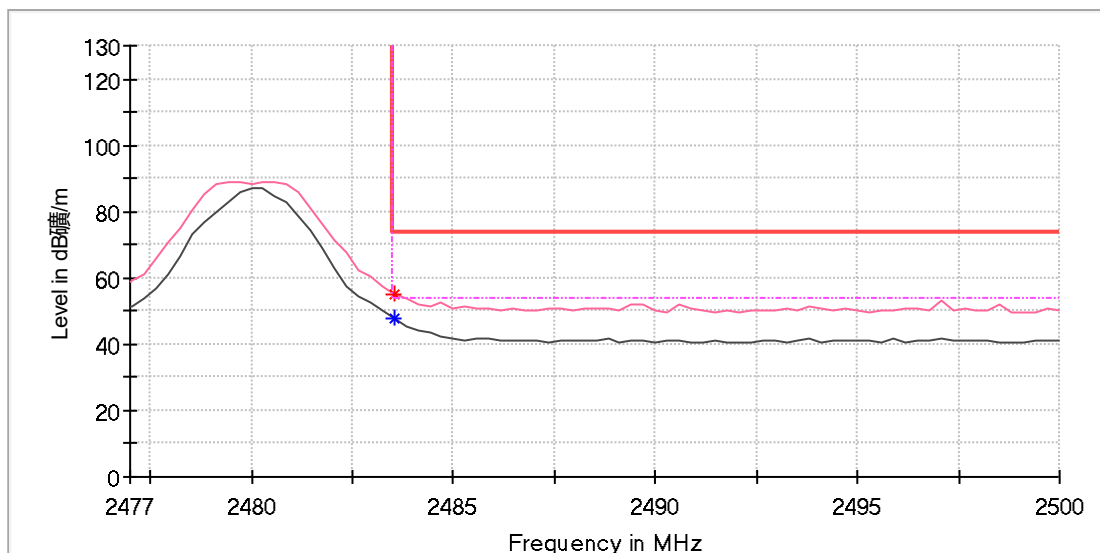
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	57.70	---	74.00	16.30	150.0	H	145.0	9.0
2483.529412	---	49.37	54.00	4.63	150.0	H	145.0	9.0

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	----	----	----	----		----	----

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_High channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

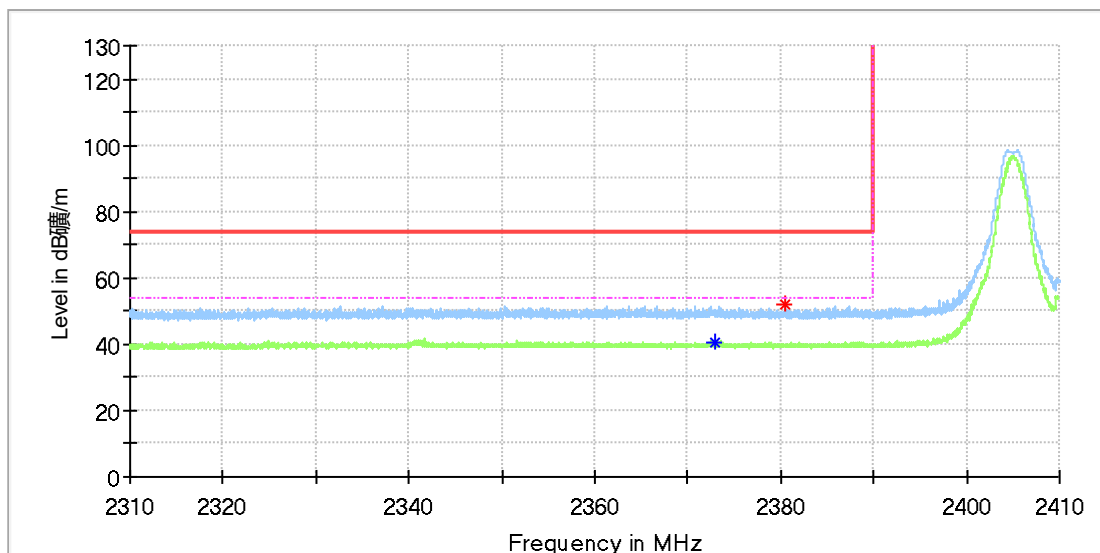
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	47.58	54.00	6.42	150.0	V	111.0	9.0
2483.529412	55.16	---	74.00	18.84	150.0	V	111.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.750 MHz	93.750 dBμV/m	93.750 dBμV/m	93.750 dBμV/m	93.750 dB	93.750 cm	93.750	93.750	93.750

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Low channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

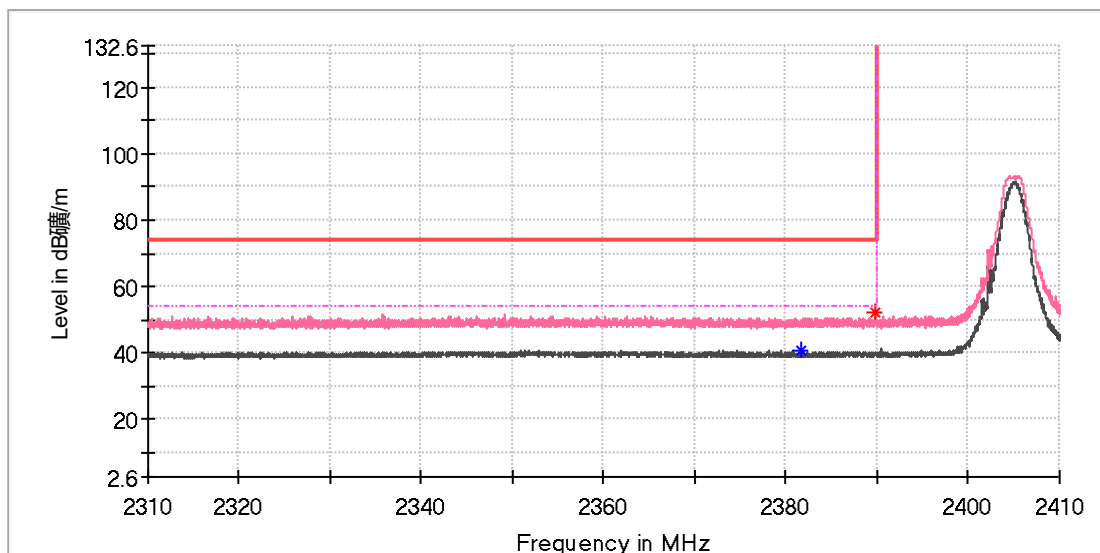
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2372.829412	---	40.66	54.00	13.34	150.0	H	151.0	8.5
2380.383824	52.18	---	74.00	21.82	150.0	H	336.0	8.5

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Eve Thermo
Model:	20ECR4101
Test Mode:	Thread_Low channel
Order No/Sample No:	168573320/A004074028-004
Test Voltage::	AC 24V
Remark:	Temp 22 Humi:55%
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)
2381.588235	---	40.89	54.00	13.11	150.0	V	162.0	8.5
2389.867647	51.89	---	74.00	22.11	150.0	V	175.0	8.5

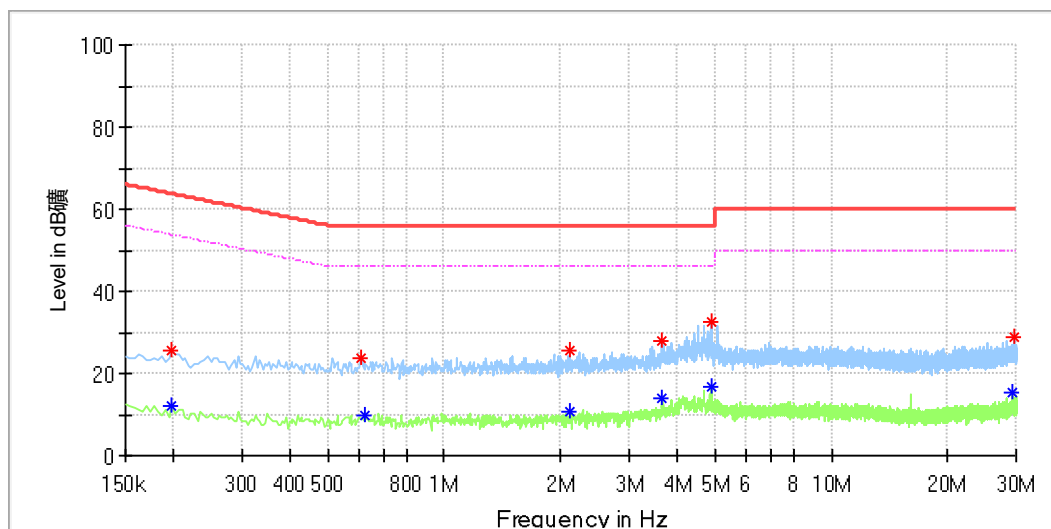
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.750 MHz	100.000 dBμV/m	90.000 dBμV/m	100.000 dBμV/m	0.000 dB	100.000 cm	000.000	000.000	000.000

APPENDIX B.8: CONDUCTED EMISSION ON AC MAINS

EUT Information

EUT Name:	Eve Thermo
Order Number:	168573320(P01880363)
Model:	20ECR4101
Test Mode:	Normally working with Thread connected
Test Voltage:	AC 120V/60Hz
Test Standard:	FCC Part 15C
Test By:/Review By:	Aric Wang/Murphy Chen
Tem./Hum./Pressure:	24.5°C/52.1%/101kPa
Remark:	SR3



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.198	25.4	---	63.69	38.25	L1	9.7
0.198	---	12.3	53.69	41.40	L1	9.7
0.606	23.5	---	56.00	32.50	L1	9.6
0.626	---	9.5	46.00	36.46	L1	9.7
2.106	---	10.9	46.00	35.15	L1	9.6
2.106	25.6	---	56.00	30.39	L1	9.6
3.662	---	14.0	46.00	32.03	L1	9.7
3.662	28.0	---	56.00	27.99	L1	9.7
4.874	32.3	---	56.00	23.66	L1	9.7
4.882	---	16.7	46.00	29.35	L1	9.7
29.338	---	15.3	50.00	34.67	L1	9.8
29.802	28.8	---	60.00	31.20	L1	9.8

Final Result

[illegible]

