

Prüfbericht-Nr.: <i>Test report no.:</i>	CN22UKYT 004	Auftrags-Nr.: <i>Order no.:</i>	168372225	Seite 1 von 14 <i>Page 1 of 14</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2022-05-15	
Auftraggeber: <i>Client:</i>	ZTE Corporation ZTE Plaza, Hi-Tech Park, Nanshan District, Shenzhen, Guangdong, P.R.China			
Prüfgegenstand: <i>Test item:</i>	zBox 1			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	ZXV10 B866V2K, ZXV10 B866V2FA (Trademark: ZTE)			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart B, Class B Section 15.107 CFR47 FCC Part 15: Subpart B, Class B Section 15.109			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2022-05-16	Please refer to Photo Document		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003258254 003-012			
Prüfzeitraum: <i>Testing period:</i>	2022-05-27 - 2022-06-02			
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: <i>tested by:</i>	<u><i>x Bell Hu</i></u>	genehmigt von: <i>authorized by:</i>	<u><i>X Lin Lin</i></u>	
Datum: <i>Date:</i>	2022-06-06 <small>Signed by: Bell Hu</small>	Ausstellungsdatum: <i>Issue date:</i>	2022-06-06 <small>Signed by: Lin Lin</small>	
Stellung / Position:	Project Manager	Stellung / Position:	Reviewer	
Sonstiges / Other:	FCC ID: Q78-ZXV10B866V2K			
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 P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
* Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient 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>				

V05

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Test Summary

5.1.1 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

5.1.2 RADIATED EMISSIONS

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 FCC 15B

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P. R. 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

Conducted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102428	2022-08-10
Artificial Mains Network	R&S	ENV216	102333	2022-08-10
Artificial Mains Network	R&S	ENV432	101411	2022-08-10
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A
Radiated Emission (10m chamber)				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
10m SAC	ETS-Lindgren	SAC10	CT001632-Q1399	2024-03-01
EMI Test Receiver 1	R&S	ESR7	102022	2022-08-10
EMI Test Receiver 2	R&S	ESR7	102023	2022-08-10
Bilog Antenna 1	TESEQ	CBL6112D	51321	2022-08-08
Bilog Antenna 2	TESEQ	CBL6112D	51322	2022-07-11
Preamplifier 1 (30-1000MHz)	SCHWARZBECK	BBV9745	115	2022-08-13
Preamplifier 2 (30-1000MHz)	EMCI	EMC9135-P	980629	2022-08-13
Preamplifier 3 (1-18GHz)	FIT	SCU-18F	180076	2022-08-13
Horn Antenna	R&S	HF907	102707	2022-07-10
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

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
Radiated Emission (10m SAC), 30MHz to 1000MHz	± 4.66 dB
Radiated Emission (10m SAC), above 1000MHz	± 4.35 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B 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 No. 362 Huanguan Road Middle, Longhua District, 518110, Shenzhen, P. R. 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 Product is zBox 1, which supports Bluetooth (dual mode), 2.4GHz Wi-Fi 802.11 b/g/n and 5GHz Wi-Fi 802.11a/n/ac wireless technologies.

According to the declaration of the applicant, the schematics, PCB layout and electronic components are identical, only the model number is different for market strategy.

The EUT have four adapters, details as below table:

Description	Model	Rating	Manufacturer
Adapter 1#	UWP-12W-1210S	Input: 100-240V, 50/60Hz, 0.6A Output: 12.0V, 1.0A	SHENZHEN GUCF TECHNOLOGY CO.,LTD
Adapter 2#	KL-WA120100-E	Input: 100-240V, 50/60Hz, 0.6A Output: 12.0V, 1.0A	XIAMEN KELI ELECTRONIC CO., LTD
Adapter 3#	MN012E-L120100	Input: 100-240V, 50/60Hz, 0.6A Output: 12.0V, 1.0A	XIAMEN CASTEC ELECTRONIC INDUSTRY CO., LTD
Adapter 4#	RD1201000-C55-35MGD	Input: 100-240V, 50/60Hz, 0.6A Output: 12.0V, 1.0A	Shenzhen Ruide electronic industrial Co., Ltd.

All adapters were considered in test, and only the worst-case results reported.

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:	zBox 1
Type Designation:	ZXV10 B866V2K, ZXV10 B866V2FA (They are electrically identical, only the model number is different for market strategy.)
Trademark:	ZTE
FCC ID:	Q78-ZXV10B866V2K
Operating Voltage:	AC 120~240V, 50/60Hz via adapter
Testing Voltage:	AC 120V, 60Hz
Technical Specification of Bluetooth (dual mode)	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK, $\pi/4$ -DQPSK, 8DPSK
Channel Number:	BDR & EDR mode:79 channels, Low Energy mode:40 channels
Channel Separation:	BDR & EDR mode: 1MHz, Low Energy mode: 2MHz
Data Rate:	BDR & EDR mode: 1Mbps, 3Mbps Low Energy mode: 1Mbps
Antenna Type:	Integral Antenna
Antenna Gain of Bluetooth:	3.0 dBi Max
Technical Specification of Wi-Fi 802.11 b/g/n	
Operating Frequency:	2412 - 2462 MHz for 802.11b/g/n(HT20) 2422 - 2452 MHz for 802.11n(HT40)
Type of Modulation:	DSSS(DBPSK/DQPSK/CCK) OFDM(BPSK/QPSK/16QAM/64QAM)
Data Rate:	6/9/12/18/24/36/48/54 Mbps for 802.11g

	MCS0 ~ MCS7 for 802.11n
Channel Number:	11 channels for 802.11b/g/n(HT20) 7 channels for 802.11n(HT40)
Channel Separation:	5 MHz
Antenna Type:	Integral Antenna
Number of Antenna:	2
Antenna Gain:	3.0 dBi max
Technical Specification of Wi-Fi 802.11 a/n/ac	
Operating Frequency:	5180-5320MHz, 5500-5700MHz, 5745-5825MHz
Type of Modulation:	OFDM(BPSK/QPSK/16QAM/64QAM/256QAM)
Channel Number:	5180-5320MHz, 14CHs, 802.11 a/n20/n40/ac20/ac40/ac80 5500-5700MHz, 12CHs, 802.11 a/n20/n40/ac20/ac40/ac80 5745-5825MHz, 8CHs, 802.11 a/n20/n40/ac20/ac40/ac80
Channel Separation	5 MHz
Antenna Type:	Integral Antenna
Number of Antenna:	2
Antenna Gain :	3.0 dBi max

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, WIFI operation + HDMI(4K)
- B. On, WIFI operation + AV
- C. On, RJ45 operation + HDMI(4K)
- D. On, RJ45 operation + AV
- E. On, USB Playing + HDMI(4K)
- F. On, USB Playing + AV
- G. On, BT operation + HDMI(4K)
- H. On, BT operation + AV
- I. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|-------------------------|-----------------|
| - Application Form | - User Manual |
| - Operation Description | - Block Diagram |
| - Schematics | - Rating Label |
| - PCB Layout | - Parts List |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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 C63.4: 2014.

According to clause 3.1, all tests were performed on model ZXV10 B866V2K in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 3: Auxiliary Equipment Used during Test

Description	Manufacturer	Model	S/N
Laptop	Lenovo	T480	PF-16A6N8
LCD 4K Color Display	PHILIPS	272P7V	AUCA1833000075472
Soundbar	Fenda	NS-HTSB22	/
RJ45 cable	/	/	/
AV cable	/	/	/
HDMI cable	/	/	/

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)

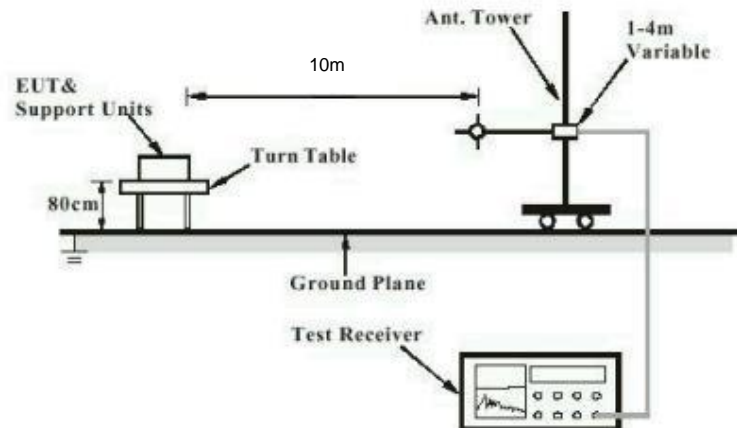


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

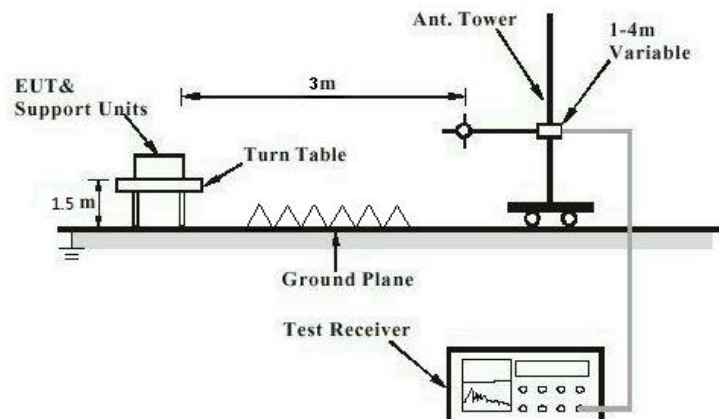
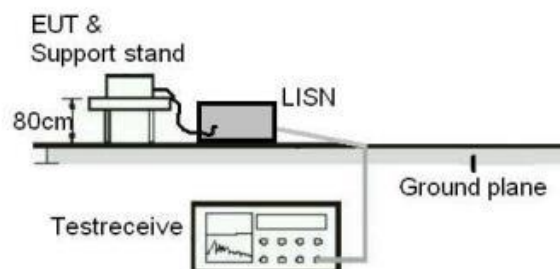


Diagram of Measurement Configuration for Mains Conduction Measurement



5 Test Results

5.1.1 Conducted Emission on AC Mains

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

Test standard	: FCC Part 15.107(a)
Basic standard	: ANSI C63.4:2014
Frequency range	: 0.15 – 30MHz
Classification	: Class B
Limits	: FCC Part 15.107(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2022-05-27 to 2022-06-02
Input voltage	: AC 120V, 60Hz
Operation mode	: A, B, C, D, E, F, G, H, I
Earthing	: Not connected
Ambient temperature	: 23.1 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

5.1.2 Radiated Emissions

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

Test standard	: FCC Part 15.109(a)
Basic standard	: ANSI C63.4:2014
Frequency range	: 30MHz to 5 th harmonic of the highest frequency
Classification	: Class B
Limits	: FCC Part 15.109(a)
Kind of test site	: 10m Semi-Anechoic Chamber

Test Setup

Date of testing	: 2022-05-27 to 2022-06-02
Input voltage	: AC 120V, 60Hz
Operation mode	: A, B, C, D, E, F, G, H, I
Earthing	: Not connected
Ambient temperature	: 23 °C
Relative humidity	: 50 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

6 Photographs of the Test Set-Up

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

7 List of Tables

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Appendix B: Test Results of FCC 15B

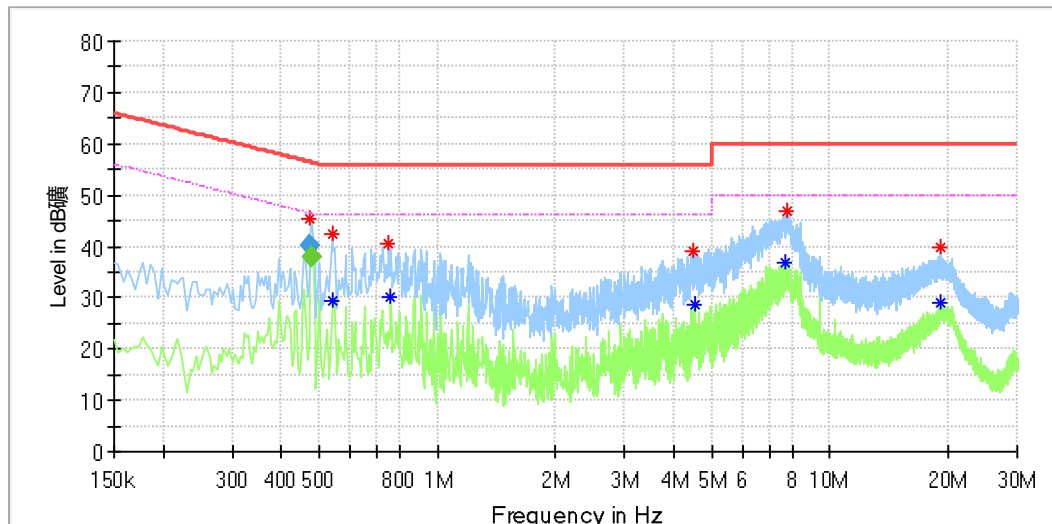
APPENDIX B: TEST RESULTS OF FCC 15B	1
APPENDIX B.1: TEST PLOTS OF CONDUCTED EMISSION ON AC MAINS	2
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<i>WIFI operation + AV</i>	10
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<i>RJ45 operation + AV</i>	14
<i>USB Playing + HDMI(4K)</i>	16
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<i>USB Playing + AV</i>	50
<i>BT operation + HDMI(4K)</i>	54
<i>BT operation + AV</i>	58

Appendix B.1: Test Plots of Conducted Emission on AC Mains

WiFi operation + HDMI(4K)

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By:/Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:KL-WA120100-E



Critical_Freqs

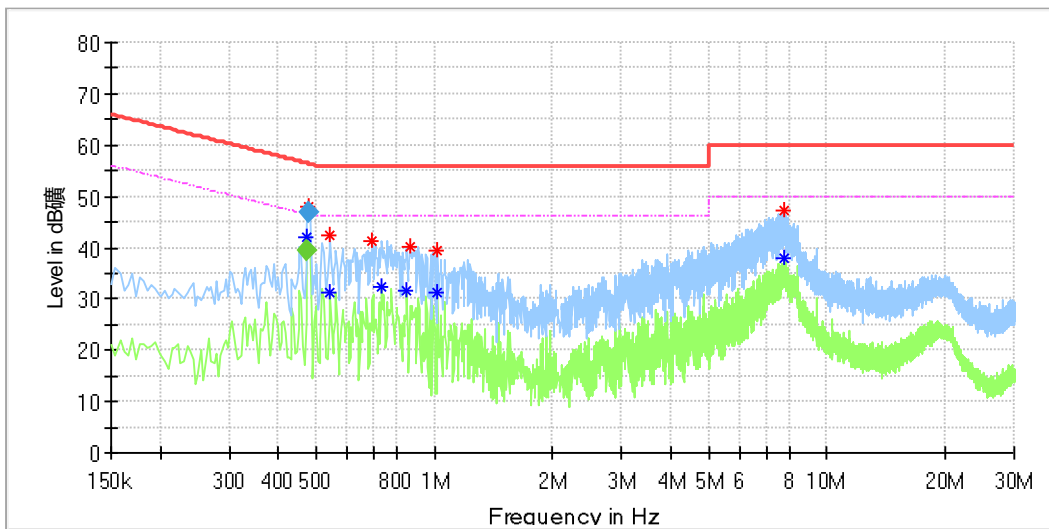
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.473500	45.48	---	56.37	10.89	L1	10.0
0.477500	---	40.29	46.37	6.08	L1	10.0
0.538000	42.39	---	56.00	13.61	L1	10.0
0.542000	---	29.23	46.00	16.77	L1	10.0
0.750000	40.66	---	56.00	15.34	L1	10.0
0.762000	---	30.20	46.00	15.80	L1	10.0
4.486000	38.92	---	56.00	17.08	L1	10.2
4.538000	---	28.72	46.00	17.28	L1	10.2
7.702000	---	36.99	50.00	13.01	L1	10.3
7.778000	46.75	---	60.00	13.25	L1	10.3
19.062000	---	28.95	50.00	21.05	L1	10.4
19.130000	39.91	---	60.00	20.09	L1	10.4

Final_Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.473500	40.11	---	56.45	16.34	3000.0	9.000	L1	10.0
0.477500	---	38.12	46.38	8.26	3000.0	9.000	L1	10.0

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By:/Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:KL-WA120100-E



Critical Freqs

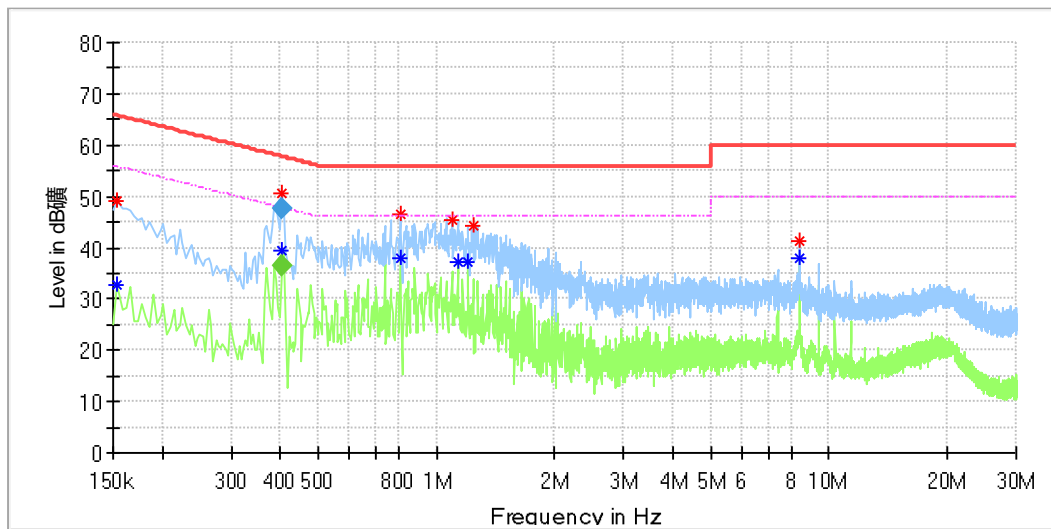
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.473500	---	42.19	46.37	4.19	N	9.8
0.477500	47.84	---	56.37	8.54	N	9.8
0.542000	---	31.11	46.00	14.89	N	9.8
0.542000	42.29	---	56.00	13.71	N	9.8
0.694000	41.47	---	56.00	14.53	N	9.8
0.734000	---	32.27	46.00	13.73	N	9.8
0.850000	---	31.47	46.00	14.53	N	9.8
0.866000	40.21	---	56.00	15.79	N	9.8
1.018000	---	31.10	46.00	14.90	N	9.8
1.018000	39.44	---	56.00	16.56	N	9.8
7.770000	---	38.06	50.00	11.95	N	10.0
7.778000	47.28	---	60.00	12.72	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.473500	---	39.52	46.45	6.93	3000.0	9.000	N	9.8
0.477500	46.79	---	56.38	9.59	3000.0	9.000	N	9.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By:/Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:MN012E-L120100



Critical Freqs

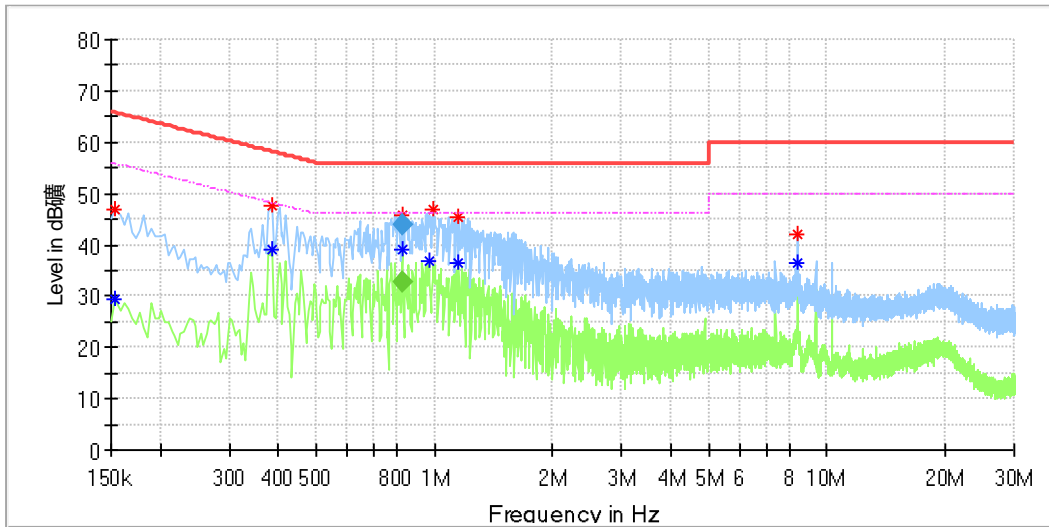
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.154000	---	32.86	55.78	22.92	L1	9.9
0.154000	48.97	---	65.78	16.81	L1	9.9
0.401500	50.56	---	57.81	7.25	L1	9.9
0.405500	---	39.42	47.73	8.31	L1	9.9
0.810000	---	38.04	46.00	7.96	L1	10.0
0.810000	46.52	---	56.00	9.48	L1	10.0
1.094000	45.50	---	56.00	10.50	L1	10.0
1.134000	---	37.04	46.00	8.96	L1	10.0
1.202000	---	37.31	46.00	8.69	L1	10.1
1.242000	44.38	---	56.00	11.62	L1	10.1
8.386000	---	37.77	50.00	12.23	L1	10.3
8.386000	41.26	---	60.00	18.74	L1	10.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.401500	47.70	---	57.82	10.13	3000.0	9.000	L1	9.9
0.405500	---	36.37	47.74	11.37	3000.0	9.000	L1	9.9

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By:/Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:MN012E-L120100



Critical Freqs

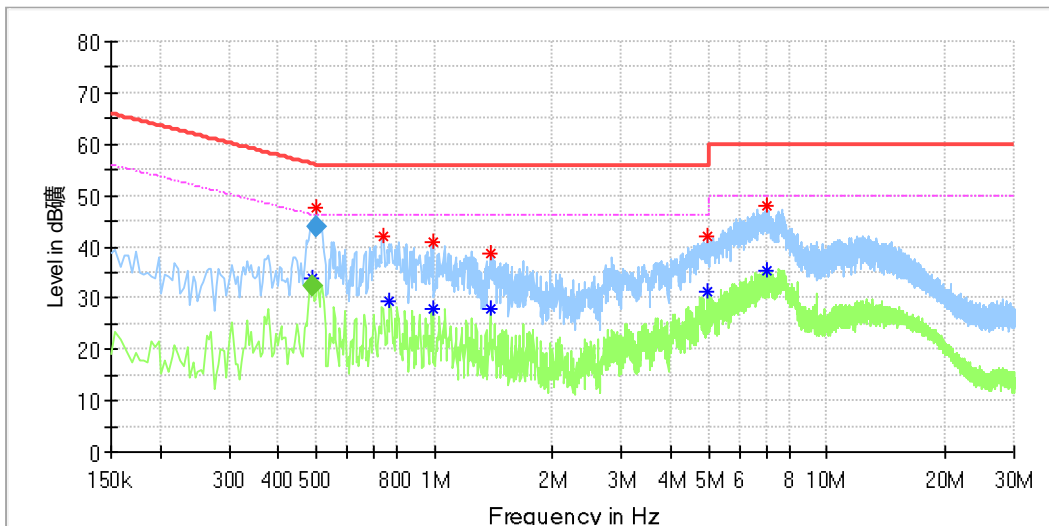
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.154000	---	29.22	55.78	26.56	N	9.8
0.154000	46.89	---	65.78	18.89	N	9.8
0.386000	---	38.95	48.15	9.20	N	9.8
0.386000	47.68	---	58.15	10.47	N	9.8
0.825500	45.89	---	56.00	10.11	N	9.8
0.825500	---	38.95	46.00	7.05	N	9.8
0.966000	---	36.67	46.00	9.33	N	9.8
0.994000	46.71	---	56.00	9.29	N	9.8
1.154000	---	36.39	46.00	9.61	N	9.8
1.154000	45.30	---	56.00	10.70	N	9.8
8.378000	---	36.32	50.00	13.68	N	10.0
8.382000	42.14	---	60.00	17.86	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.825500	---	32.84	46.00	13.16	3000.0	9.000	N	9.8
0.825500	43.92	---	56.00	12.08	3000.0	9.000	N	9.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By./Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:RD1201000-C55-35MGD



Critical Freqs

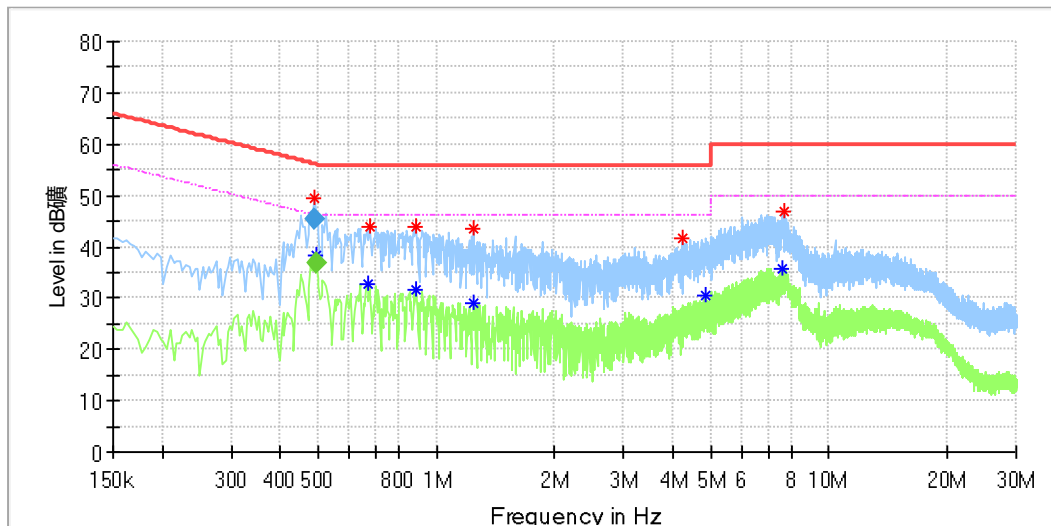
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.486500	---	33.96	46.31	12.35	L1	10.0
0.497500	47.64	---	56.00	8.36	L1	10.0
0.742000	42.07	---	56.00	13.93	L1	10.0
0.770000	---	29.24	46.00	16.76	L1	10.0
0.994000	41.06	---	56.00	14.94	L1	10.0
0.994000	---	27.91	46.00	18.09	L1	10.0
1.386000	38.81	---	56.00	17.19	L1	10.1
1.386000	---	27.90	46.00	18.10	L1	10.1
4.942000	---	31.12	46.00	14.88	L1	10.2
4.942000	41.88	---	56.00	14.12	L1	10.2
6.990000	47.90	---	60.00	12.10	L1	10.3
7.050000	---	35.45	50.00	14.55	L1	10.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.486500	---	32.49	46.23	13.73	3000.0	9.000	L1	10.0
0.497500	43.76	---	56.04	12.28	3000.0	9.000	L1	10.0

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By./Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:RD1201000-C55-35MGD



Critical Freqs

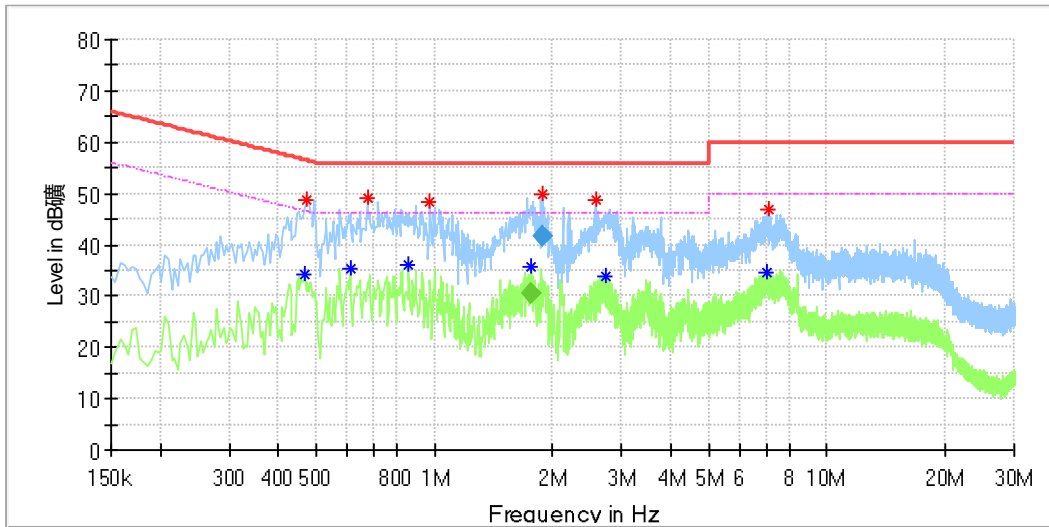
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.490500	49.59	---	56.24	6.65	N	9.8
0.494500	---	38.27	46.17	7.90	N	9.8
0.666000	---	32.82	46.00	13.18	N	9.8
0.674000	43.76	---	56.00	12.24	N	9.8
0.886000	43.86	---	56.00	12.14	N	9.8
0.890000	---	31.75	46.00	14.25	N	9.8
1.242000	43.69	---	56.00	12.31	N	9.8
1.246000	---	29.17	46.00	16.83	N	9.8
4.250000	41.61	---	56.00	14.39	N	9.9
4.870000	---	30.61	46.00	15.39	N	9.9
7.638000	---	35.77	50.00	14.23	N	10.0
7.702000	46.83	---	60.00	13.17	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.490500	45.38	---	56.16	10.78	3000.0	9.000	N	9.8
0.494500	---	36.98	46.09	9.11	3000.0	9.000	N	9.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By./Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:UWP-12W-1210S



Critical Freqs

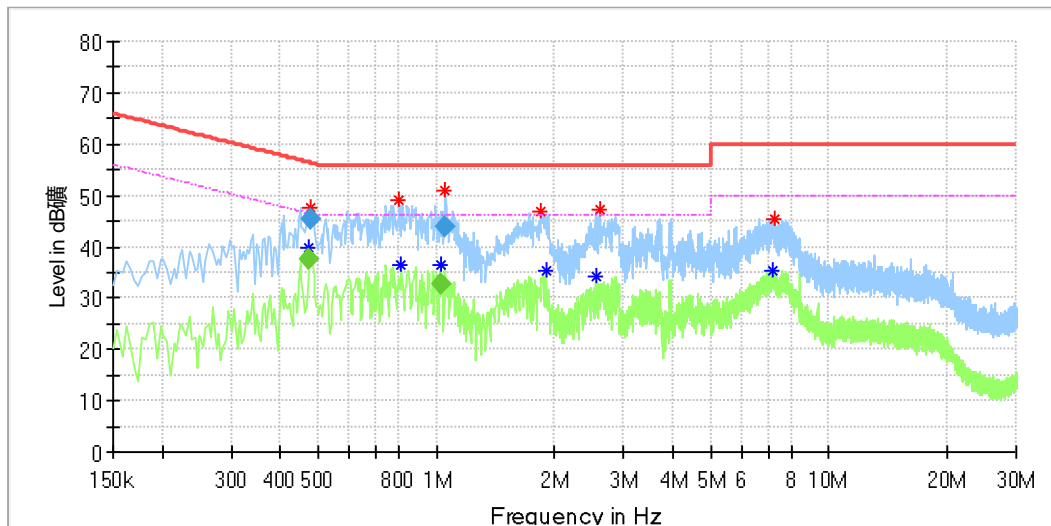
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.466000	---	34.18	46.59	12.41	L1	10.0
0.474000	48.93	---	56.44	7.51	L1	10.0
0.610000	---	35.39	46.00	10.61	L1	10.0
0.674000	49.05	---	56.00	6.95	L1	10.0
0.858000	---	36.05	46.00	9.95	L1	10.0
0.974000	48.20	---	56.00	7.80	L1	10.0
1.765500	---	35.85	46.00	10.15	L1	10.1
1.874500	50.03	---	56.00	5.97	L1	10.1
2.570000	48.59	---	56.00	7.41	L1	10.2
2.746000	---	33.97	46.00	12.03	L1	10.2
7.066000	---	34.43	50.00	15.57	L1	10.3
7.110000	46.73	---	60.00	13.27	L1	10.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
1.765500	---	30.48	46.00	15.52	3000.0	9.000	L1	10.1
1.874500	41.84	---	56.00	14.16	3000.0	9.000	L1	10.1

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By./Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:UWP-12W-1210S



Critical Freqs

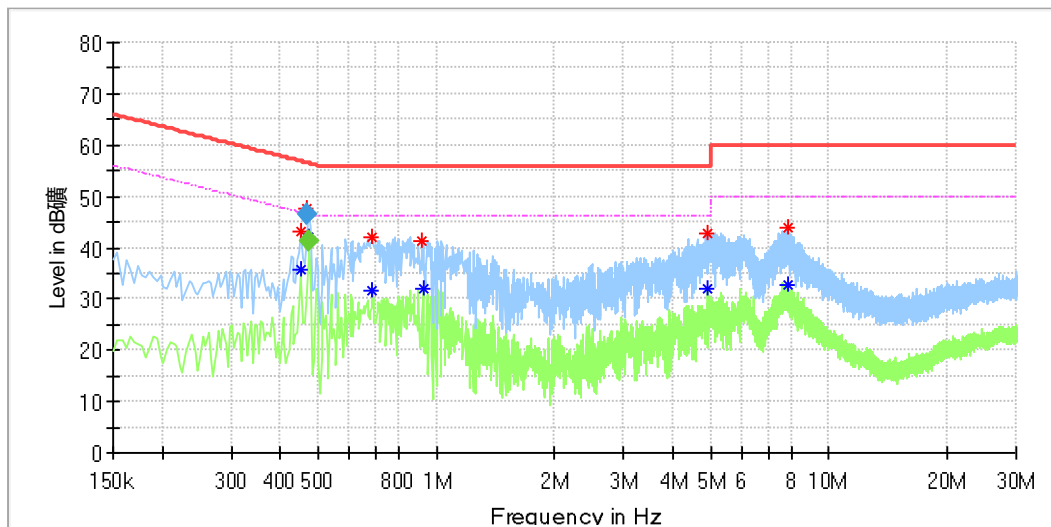
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.473500	---	39.79	46.44	6.65	N	9.8
0.478500	47.47	---	56.44	8.97	N	9.8
0.802000	48.94	---	56.00	7.06	N	9.8
0.814000	---	36.32	46.00	9.68	N	9.8
1.025500	---	36.53	46.00	9.47	N	9.8
1.049500	50.81	---	56.00	5.19	N	9.8
1.842000	46.75	---	56.00	9.25	N	9.8
1.898000	---	35.42	46.00	10.58	N	9.8
2.542000	---	34.29	46.00	11.71	N	9.9
2.622000	47.19	---	56.00	8.81	N	9.9
7.206000	---	35.31	50.00	14.69	N	10.0
7.238000	45.38	---	60.00	14.62	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.473500	---	37.43	46.45	9.02	3000.0	9.000	N	9.8
0.478500	45.24	---	56.37	11.12	3000.0	9.000	N	9.8
1.025500	---	32.84	46.00	13.16	3000.0	9.000	N	9.8
1.049500	43.80	---	56.00	12.20	3000.0	9.000	N	9.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: RJ45 operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By:/Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:KL-WA120100-E



Critical Freqs

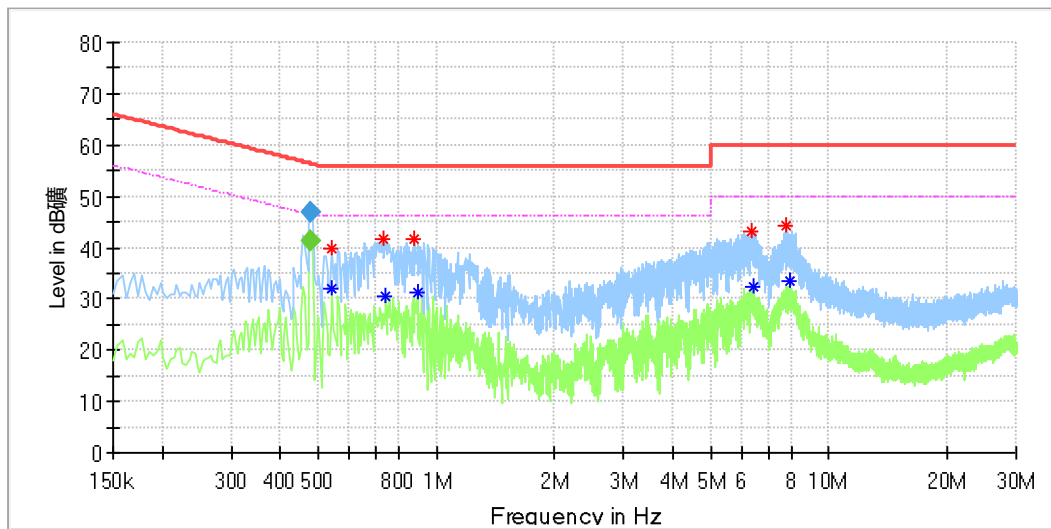
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.450000	---	35.61	46.88	11.26	N	9.8
0.450000	43.00	---	56.88	13.87	N	9.8
0.469500	47.76	---	56.51	8.75	N	9.8
0.473500	---	41.91	46.44	4.53	N	9.8
0.686000	---	31.75	46.00	14.25	N	9.8
0.686000	42.22	---	56.00	13.78	N	9.8
0.922000	41.46	---	56.00	14.54	N	9.8
0.926000	---	32.18	46.00	13.82	N	9.8
4.926000	---	31.91	46.00	14.09	N	9.9
4.926000	42.72	---	56.00	13.28	N	9.9
7.830000	---	32.56	50.00	17.44	N	10.0
7.830000	44.03	---	60.00	15.97	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.469500	46.50	---	56.52	10.02	3000.0	9.000	N	9.8
0.473500	---	41.26	46.45	5.20	3000.0	9.000	N	9.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: USB Playing+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By:/Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:KL-WA120100-E



Critical Freqs

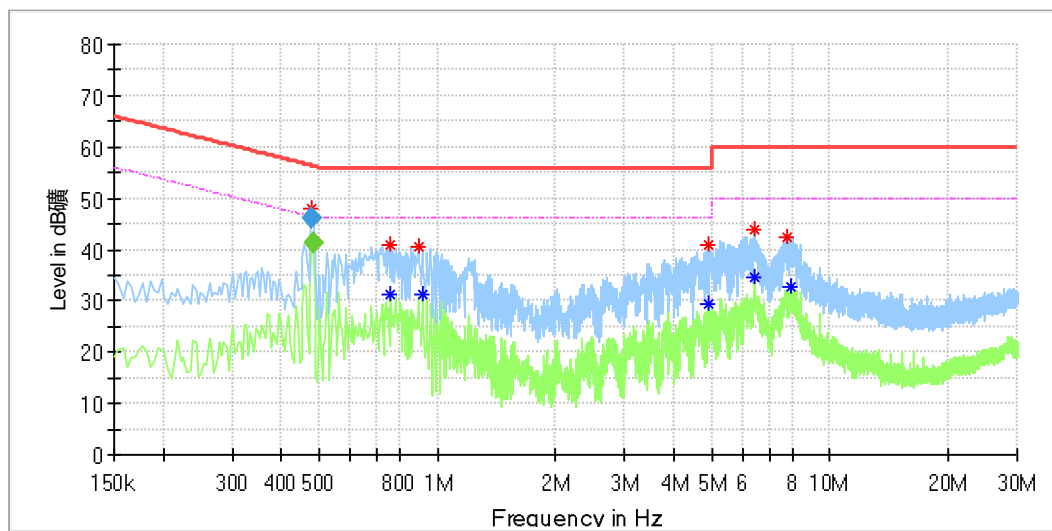
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.477500	47.29	---	56.31	9.02	N	9.8
0.477500	---	41.22	46.37	5.15	N	9.8
0.542000	---	31.93	46.00	14.07	N	9.8
0.542000	39.98	---	56.00	16.02	N	9.8
0.730000	41.85	---	56.00	14.15	N	9.8
0.742000	---	30.39	46.00	15.61	N	9.8
0.882000	41.75	---	56.00	14.25	N	9.8
0.894000	---	31.23	46.00	14.77	N	9.8
6.354000	42.98	---	60.00	17.02	N	9.9
6.418000	---	32.24	50.00	17.76	N	9.9
7.818000	44.17	---	60.00	15.83	N	10.0
7.950000	---	33.54	50.00	16.46	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.477500	---	41.26	46.38	5.12	3000.0	9.000	N	9.8
0.477500	47.02	---	56.38	9.36	3000.0	9.000	N	9.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: BT operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By:/Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:KL-WA120100-E



Critical Freqs

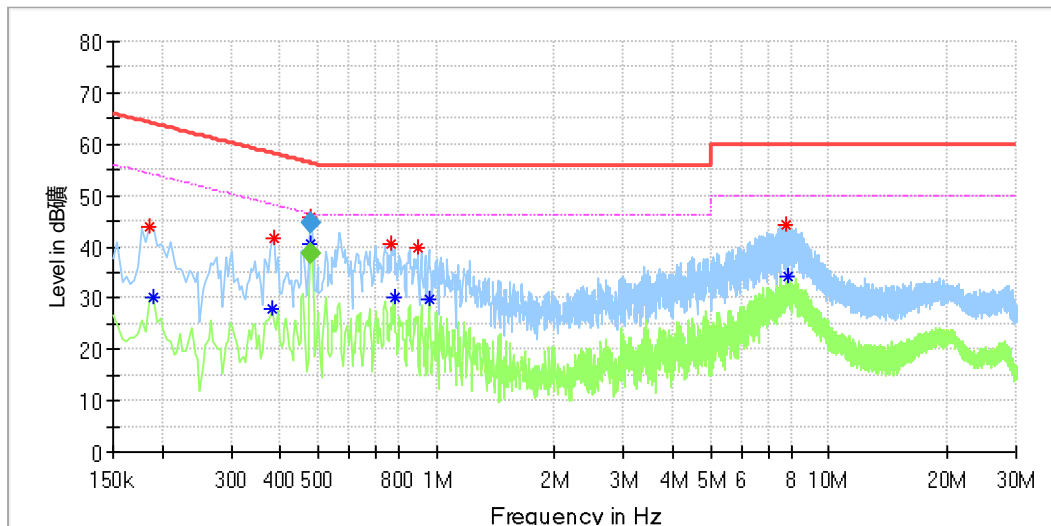
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.477500	47.99	---	56.37	8.38	N	9.8
0.481500	---	41.59	46.37	4.78	N	9.8
0.762000	---	31.08	46.00	14.92	N	9.8
0.762000	40.99	---	56.00	15.01	N	9.8
0.894000	40.41	---	56.00	15.59	N	9.8
0.918000	---	31.20	46.00	14.80	N	9.8
4.878000	---	29.55	46.00	16.45	N	9.9
4.922000	40.94	---	56.00	15.06	N	9.9
6.418000	43.75	---	60.00	16.25	N	9.9
6.418000	---	34.47	50.00	15.53	N	9.9
7.758000	42.43	---	60.00	17.57	N	10.0
7.954000	---	32.61	50.00	17.39	N	10.0

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.477500	45.99	---	56.38	10.39	3000.0	9.000	N	9.8
0.481500	---	41.19	46.31	5.12	3000.0	9.000	N	9.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test mode: BT operation+AV
 Test Voltage: AC 120V/60Hz
 Test Standard: FCC Part 15
 Test By./Review By: Shower Dai/Gary Chen
 Tem./Hum./Pressure: 24.2°C/51%/101kPa
 Remark: Adapter model:KL-WA120100-E



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.186000	43.97	---	64.21	20.24	N	9.8
0.190000	---	30.24	54.04	23.79	N	9.8
0.382000	---	27.79	48.24	20.44	N	9.8
0.386000	41.60	---	58.15	16.55	N	9.8
0.477500	---	40.68	46.37	5.69	N	9.8
0.477500	45.76	---	56.37	10.61	N	9.8
0.770000	40.58	---	56.00	15.42	N	9.8
0.782000	---	30.01	46.00	15.99	N	9.8
0.898000	39.72	---	56.00	16.28	N	9.8
0.958000	---	29.67	46.00	16.33	N	9.8
7.790000	44.30	---	60.00	15.70	N	10.0
7.906000	---	34.12	50.00	15.88	N	10.0

Final Result

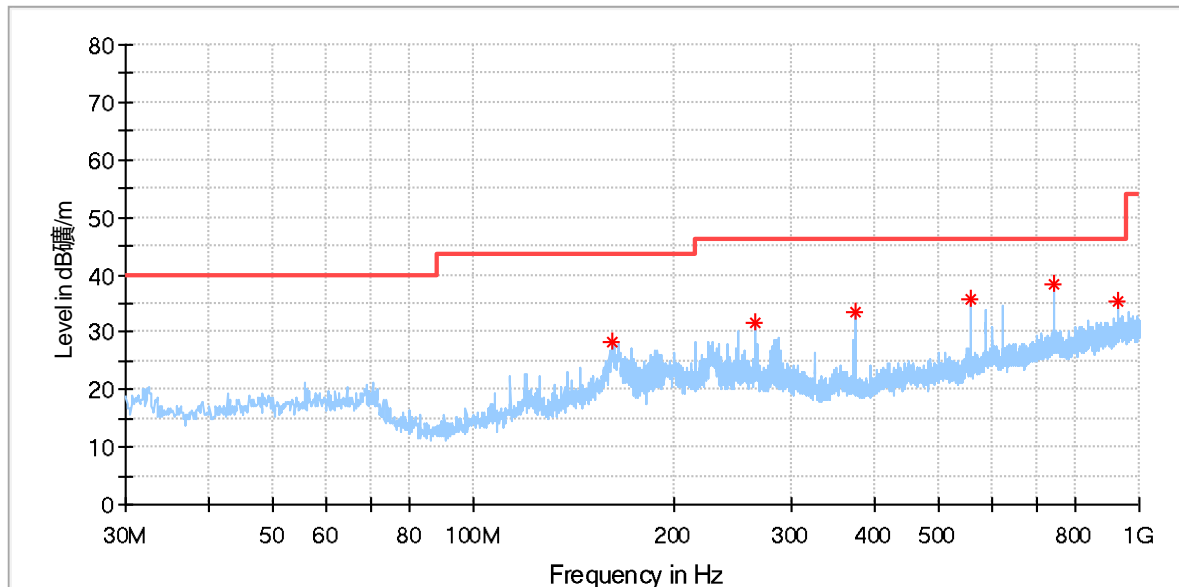
Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.477500	---	38.76	46.38	7.62	3000.0	9.000	N	9.8
0.477500	44.47	---	56.38	11.91	3000.0	9.000	N	9.8

Appendix B.2: Test Plots of Radiated Emission, Below 1GHz

WiFi operation + HDMI(4K)

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	WiFi operation+HDMI(4K)
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



Critical_Freqs

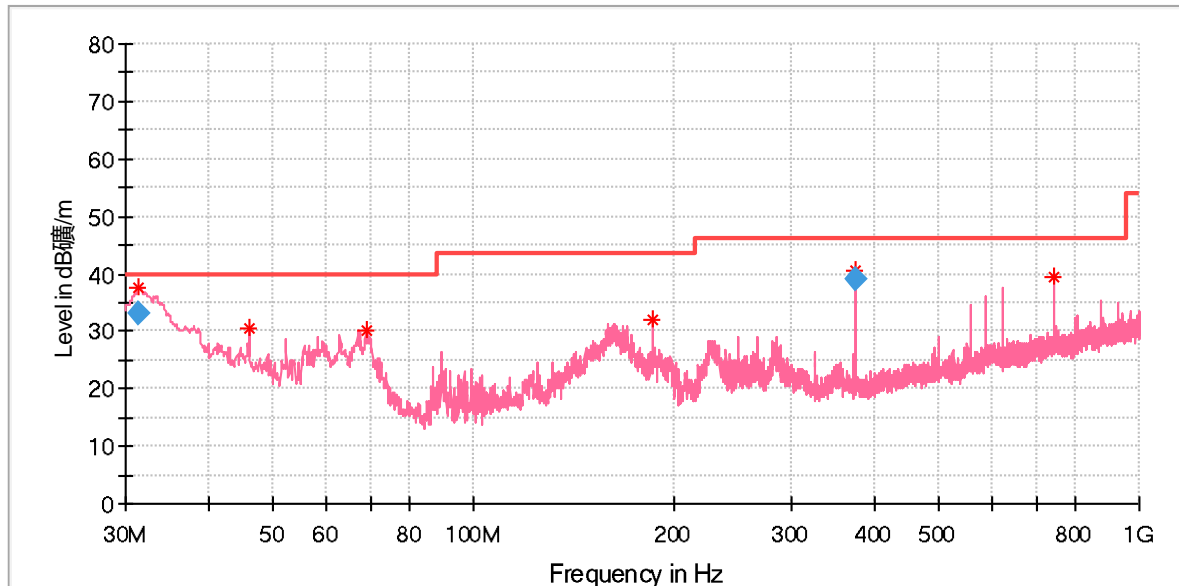
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
161.435000	28.15	43.50	15.35	100.0	H	190.0	21.5
263.964000	31.64	46.00	14.36	100.0	H	114.0	20.3
375.029000	33.46	46.00	12.54	100.0	H	271.0	22.8
556.322000	35.65	46.00	10.35	100.0	H	247.0	26.6
741.786000	38.38	46.00	7.62	100.0	H	182.0	30.3
927.250000	35.52	46.00	10.48	100.0	H	282.0	31.8

Final_Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical Freqs

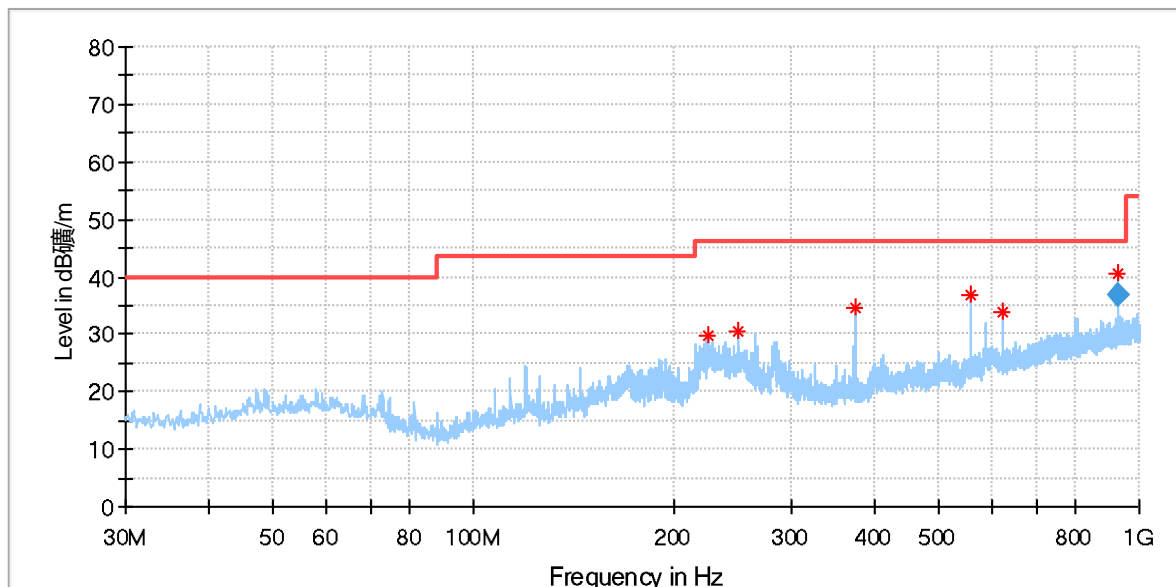
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.395000	37.67	40.00	2.33	100.0	V	311.0	17.9
46.005000	30.68	40.00	9.32	100.0	V	157.0	20.9
69.285000	30.13	40.00	9.87	100.0	V	307.0	18.6
185.394000	31.99	43.50	11.51	100.0	V	221.0	18.2
375.009000	40.40	46.00	5.60	100.0	V	184.0	22.8
741.786000	39.59	46.00	6.41	100.0	V	0.0	30.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.395000	33.19	40.00	6.81	1000.0	120.000	100.0	V	311.0	17.9
375.009000	39.03	46.00	6.97	1000.0	120.000	100.0	V	184.0	22.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:MN012E-L120100



Critical Freqs

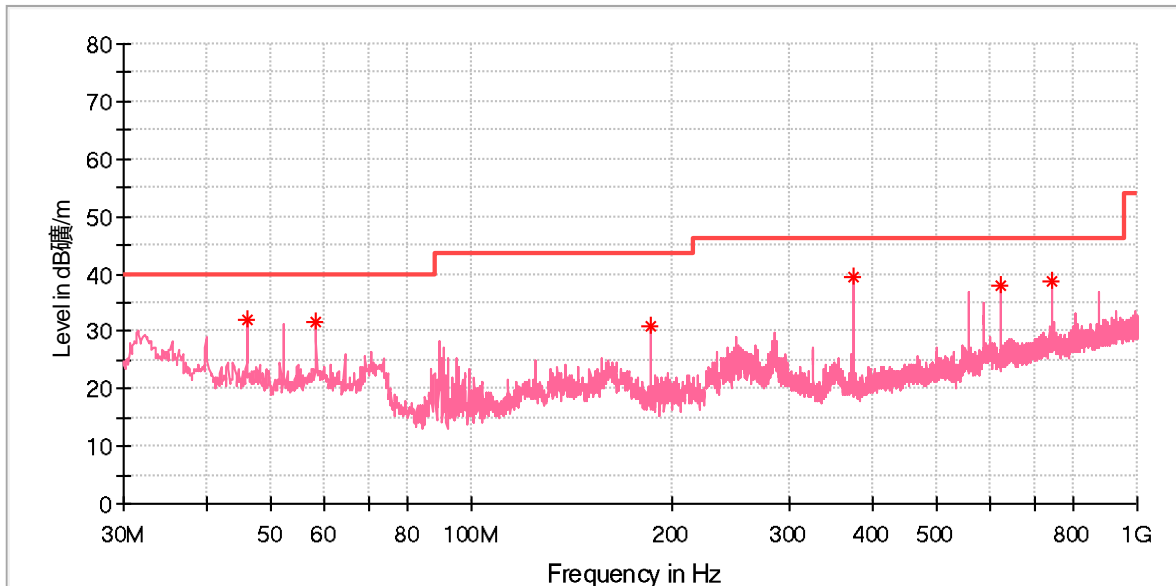
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
225.455000	29.68	46.00	16.32	100.0	H	204.0	18.8
249.996000	30.70	46.00	15.30	100.0	H	201.0	18.9
375.029000	34.67	46.00	11.34	100.0	H	121.0	22.8
556.322000	36.96	46.00	9.04	100.0	H	241.0	26.6
624.998000	33.89	46.00	12.11	300.0	H	311.0	27.5
927.190000	40.41	46.00	5.59	100.0	H	276.0	31.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
927.190000	36.70	46.00	9.30	1000.0	120.000	100.0	H	276.0	31.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:MN012E-L120100



Critical Freqs

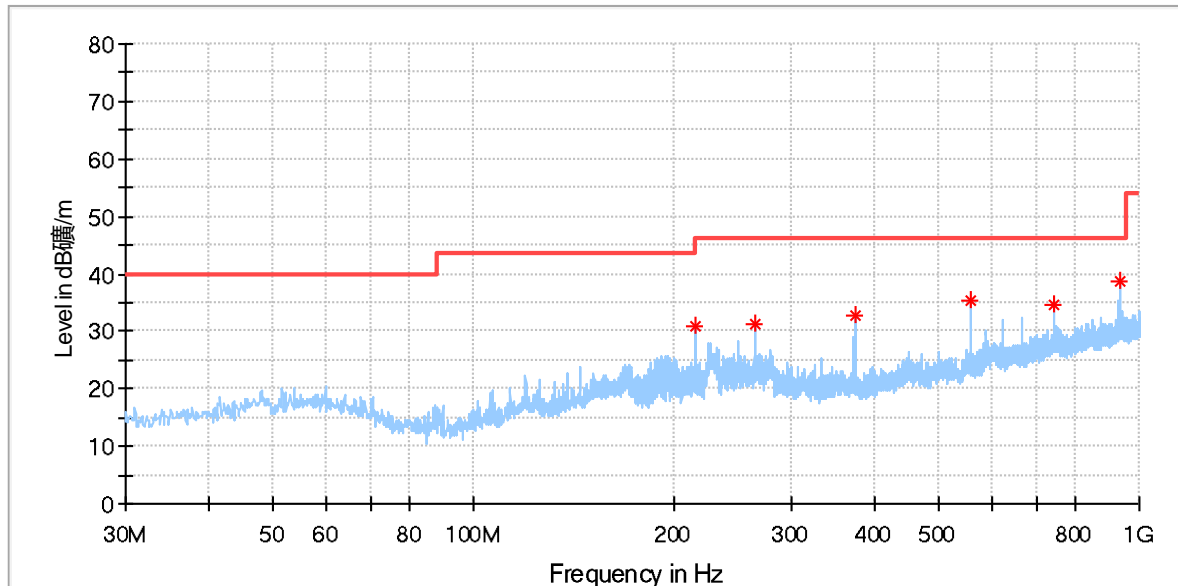
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.005000	31.91	40.00	8.09	100.0	V	62.0	20.9
58.324000	31.55	40.00	8.45	100.0	V	351.0	21.3
185.394000	30.97	43.50	12.53	100.0	V	174.0	18.2
375.029000	39.43	46.00	6.57	100.0	V	190.0	22.8
624.998000	38.10	46.00	7.90	100.0	V	222.0	27.5
741.786000	38.57	46.00	7.43	100.0	V	263.0	30.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte RD1201000-C55-35MGD



Critical Freqs

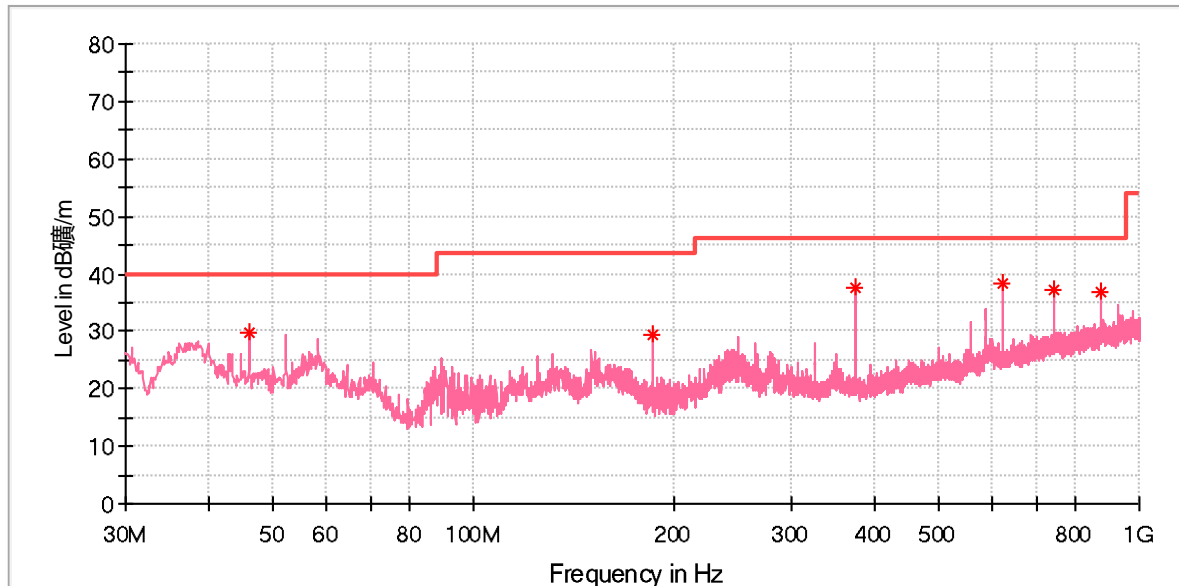
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
215.949000	30.86	43.50	12.64	100.0	H	97.0	18.4
263.964000	31.21	46.00	14.79	100.0	H	102.0	20.3
375.029000	32.89	46.00	13.11	100.0	H	137.0	22.8
556.322000	35.46	46.00	10.54	100.0	H	38.0	26.6
741.786000	34.77	46.00	11.23	100.0	H	175.0	30.3
937.532000	38.82	46.00	7.18	100.0	H	78.0	32.2

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	WIFI operation+HDMI(4K)
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte RD1201000-C55-35MGD



Critical Freqs

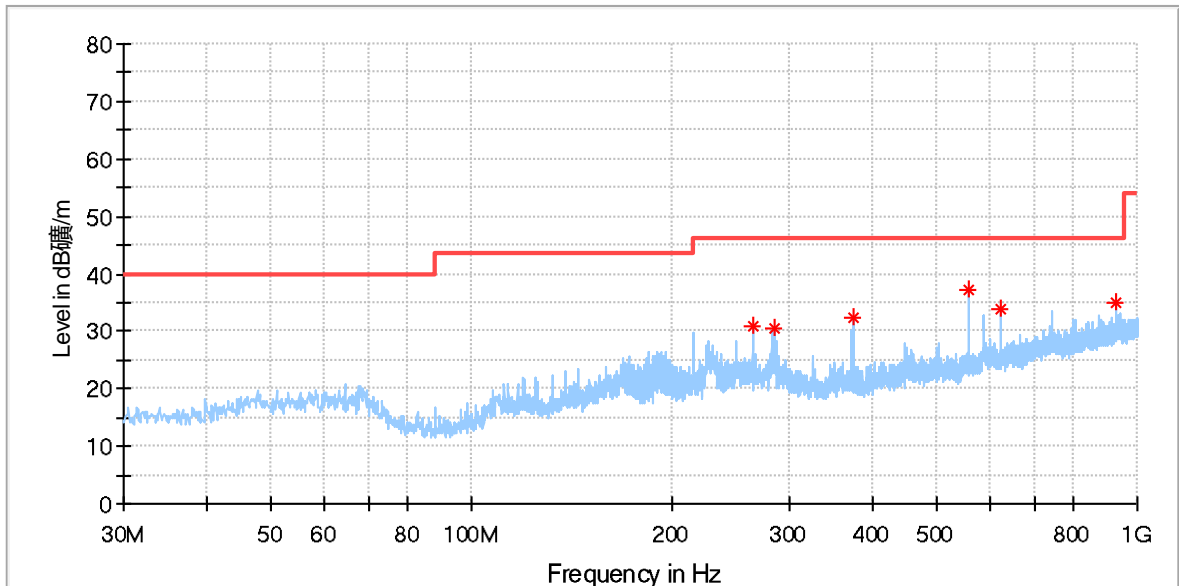
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.005000	29.59	40.00	10.41	100.0	V	72.0	20.9
185.394000	29.49	43.50	14.01	100.0	V	214.0	18.2
374.932000	37.71	46.00	8.29	100.0	V	25.0	22.8
624.998000	38.34	46.00	7.66	100.0	V	223.0	27.5
741.786000	37.24	46.00	8.76	100.0	V	306.0	30.3
875.064000	36.87	46.00	9.13	100.0	V	25.0	30.9

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte UWP-12W-1210S



Critical Freqs

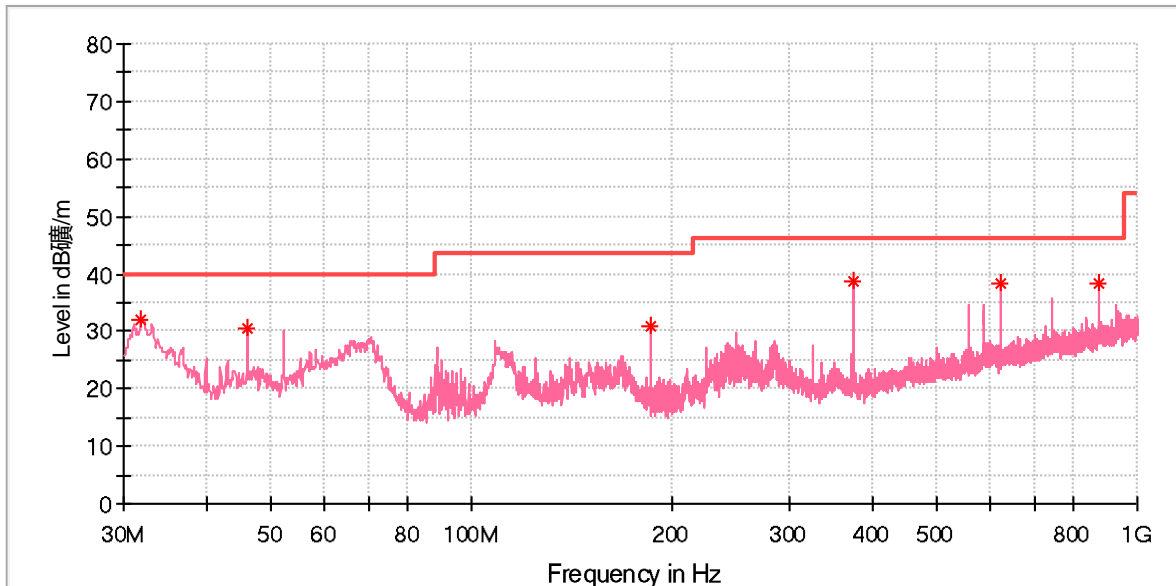
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
263.964000	31.00	46.00	15.00	100.0	H	97.0	20.3
285.207000	30.59	46.00	15.41	100.0	H	78.0	19.9
375.029000	32.38	46.00	13.62	100.0	H	155.0	22.8
556.322000	37.20	46.00	8.80	100.0	H	218.0	26.6
624.998000	33.84	46.00	12.16	300.0	H	295.0	27.5
927.250000	34.97	46.00	11.03	300.0	H	327.0	31.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte UWP-12W-1210S



Critical Freqs

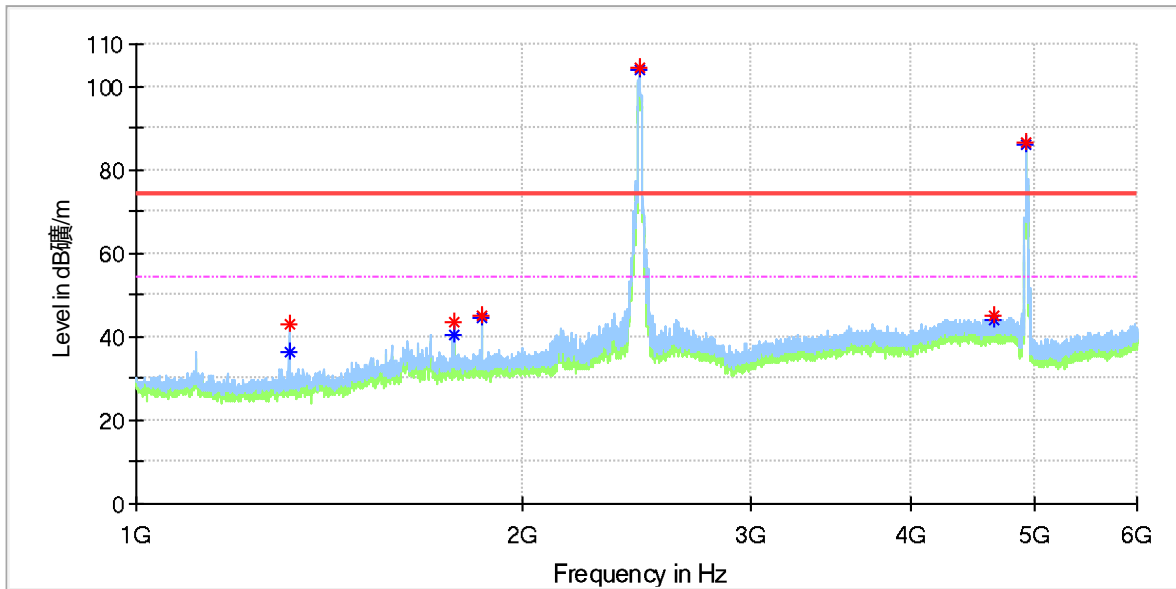
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.940000	32.07	40.00	7.93	100.0	V	224.0	17.8
46.005000	30.50	40.00	9.50	100.0	V	126.0	20.9
185.394000	30.85	43.50	12.65	100.0	V	184.0	18.2
375.029000	38.74	46.00	7.26	100.0	V	23.0	22.8
624.998000	38.29	46.00	7.71	100.0	V	224.0	27.5
875.064000	38.34	46.00	7.66	100.0	V	155.0	30.9

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



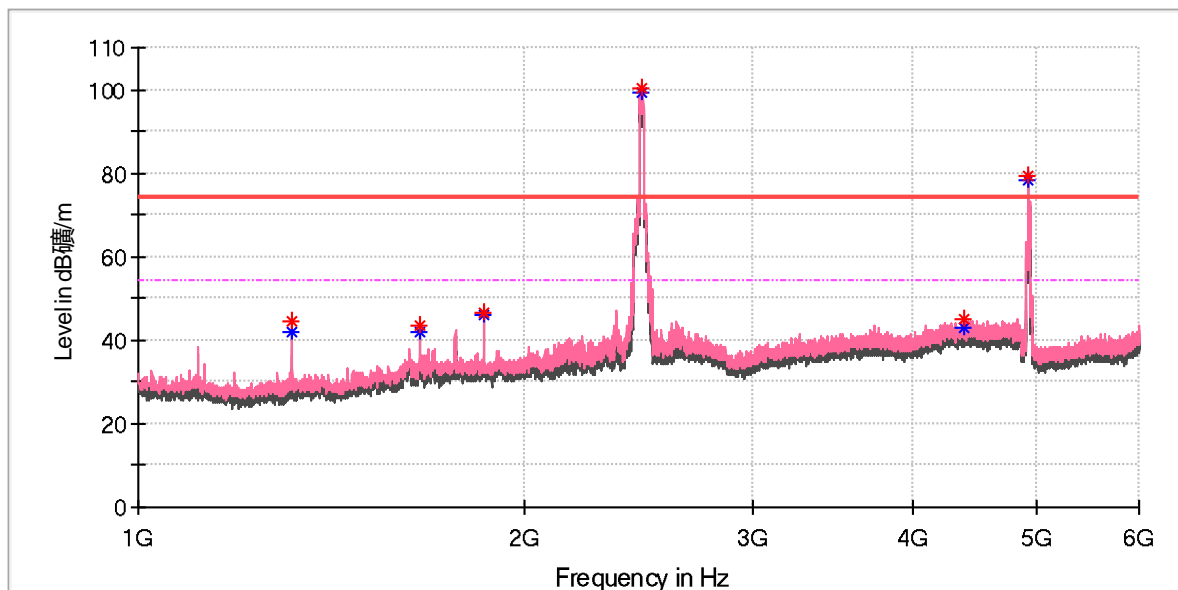
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1314.500000	---	36.27	54.00	17.73	100.0	H	152.0	-13.5
1314.500000	42.97	---	74.00	31.03	100.0	H	152.0	-13.5
1765.000000	---	40.43	54.00	13.57	100.0	H	40.0	-8.7
1765.000000	43.45	---	74.00	30.55	100.0	H	40.0	-8.7
1854.500000	---	44.32	54.00	9.68	100.0	H	306.0	-8.1
1854.500000	45.00	---	74.00	29.00	100.0	H	306.0	-8.1
2463.500000	---	103.64	---	---	100.0	H	137.0	-5.1
2463.500000	104.27	---	---	---	100.0	H	137.0	-5.1
4636.500000	---	43.88	54.00	10.12	200.0	H	58.0	2.1
4636.500000	45.00	---	74.00	29.00	200.0	H	58.0	2.1
4924.500000	---	85.94	---	---	100.0	H	114.0	0.7
4924.500000	86.60	---	---	---	100.0	H	114.0	0.7

The highest emissions are fundamental and/or harmonics.

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical_Freqs

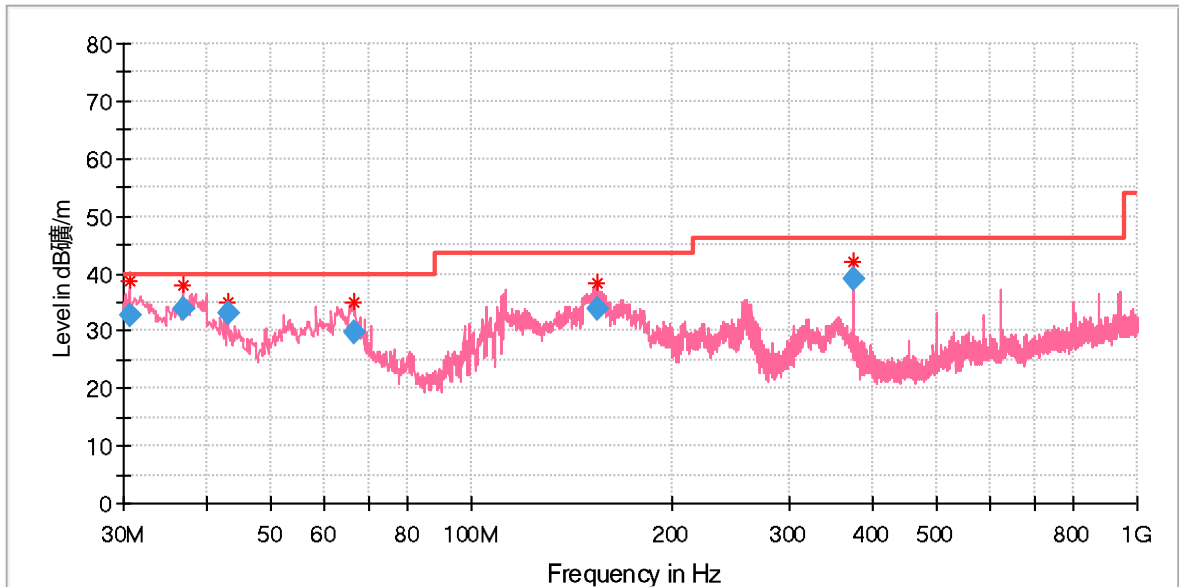
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1317.500000	---	42.07	54.00	11.93	100.0	V	161.0	-13.4
1317.500000	44.50	---	74.00	29.50	100.0	V	161.0	-13.4
1654.500000	---	41.87	54.00	12.13	100.0	V	60.0	-9.8
1654.500000	43.61	---	74.00	30.39	100.0	V	60.0	-9.8
1854.500000	---	46.10	54.00	7.90	100.0	V	344.0	-8.1
1854.500000	46.73	---	74.00	27.27	100.0	V	344.0	-8.1
2468.000000	---	99.12	---	---	100.0	V	51.0	-5.0
2468.000000	100.27	---	---	---	100.0	V	51.0	-5.0
4383.000000	---	43.07	54.00	10.93	200.0	V	64.0	2.0
4383.000000	45.27	---	74.00	28.73	200.0	V	64.0	2.0
4924.500000	---	78.47	---	---	100.0	V	190.0	0.7
4924.500000	79.34	---	---	---	100.0	V	190.0	0.7

The highest emissions are fundamental and/or harmonics.

WiFi operation + AV

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WiFi operation+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical Freqs

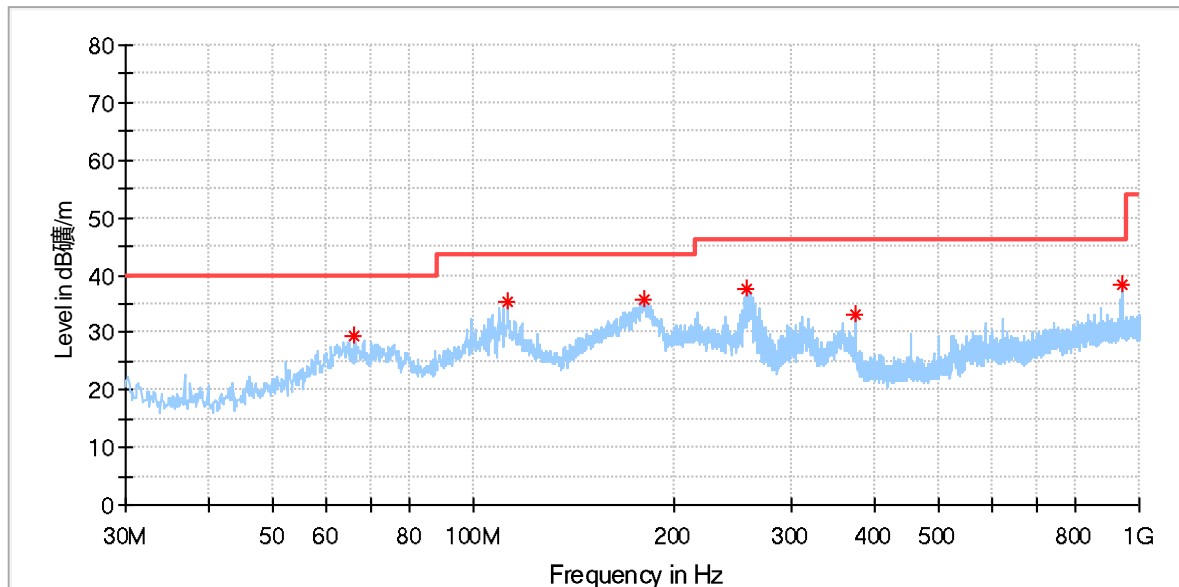
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.739000	38.53	40.00	1.47	100.0	V	0.0	18.1
36.850000	38.00	40.00	2.00	100.0	V	86.0	18.9
43.018000	34.97	40.00	5.03	100.0	V	86.0	20.3
66.606000	34.94	40.00	5.06	100.0	V	353.0	19.5
154.665000	38.18	43.50	5.32	100.0	V	271.0	21.4
375.009000	42.13	46.00	3.87	100.0	V	39.0	22.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
30.739000	32.86	40.00	7.14	1000.0	120.000	100.0	V	0.0	18.1
36.850000	33.79	40.00	6.21	1000.0	120.000	100.0	V	86.0	18.9
43.018000	33.07	40.00	6.93	1000.0	120.000	100.0	V	86.0	20.3
66.606000	29.70	40.00	10.30	1000.0	120.000	100.0	V	353.0	19.6
154.665000	34.04	43.50	9.46	1000.0	120.000	100.0	V	271.0	21.4
375.009000	39.02	46.00	6.98	1000.0	120.000	100.0	V	39.0	22.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By./Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical Freqs

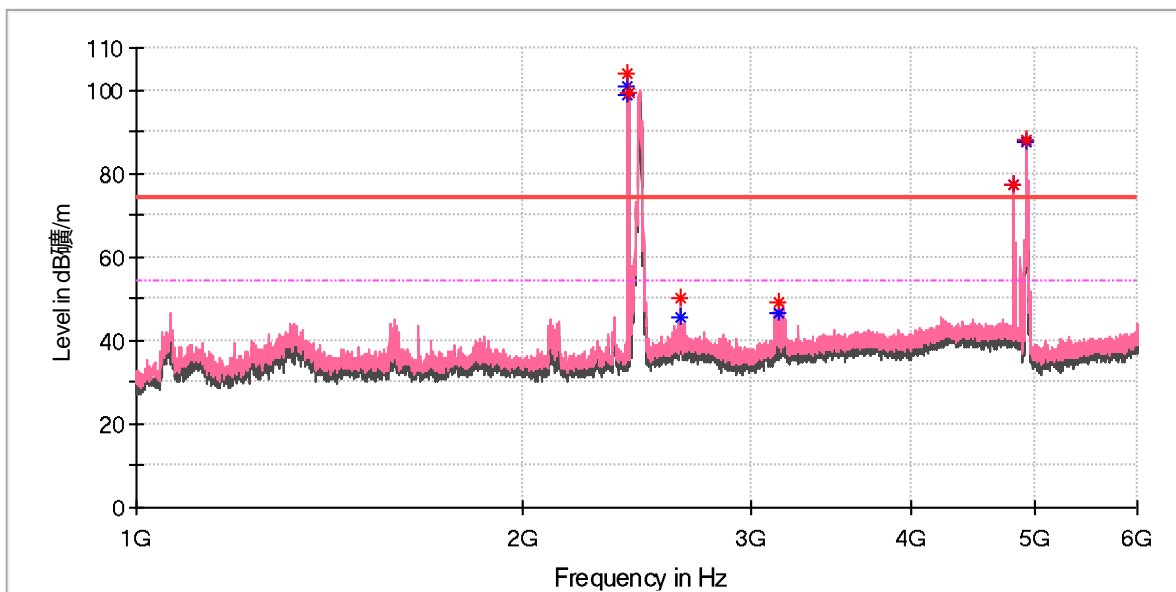
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
66.181000	29.42	40.00	10.58	200.0	H	214.0	19.7
112.450000	35.31	43.50	8.19	300.0	H	21.0	18.5
180.544000	35.83	43.50	7.67	200.0	H	42.0	19.2
257.562000	37.50	46.00	8.50	100.0	H	32.0	19.7
375.029000	33.29	46.00	12.71	100.0	H	0.0	22.8
941.606000	38.35	46.00	7.65	200.0	H	182.0	32.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: WIFI operation+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



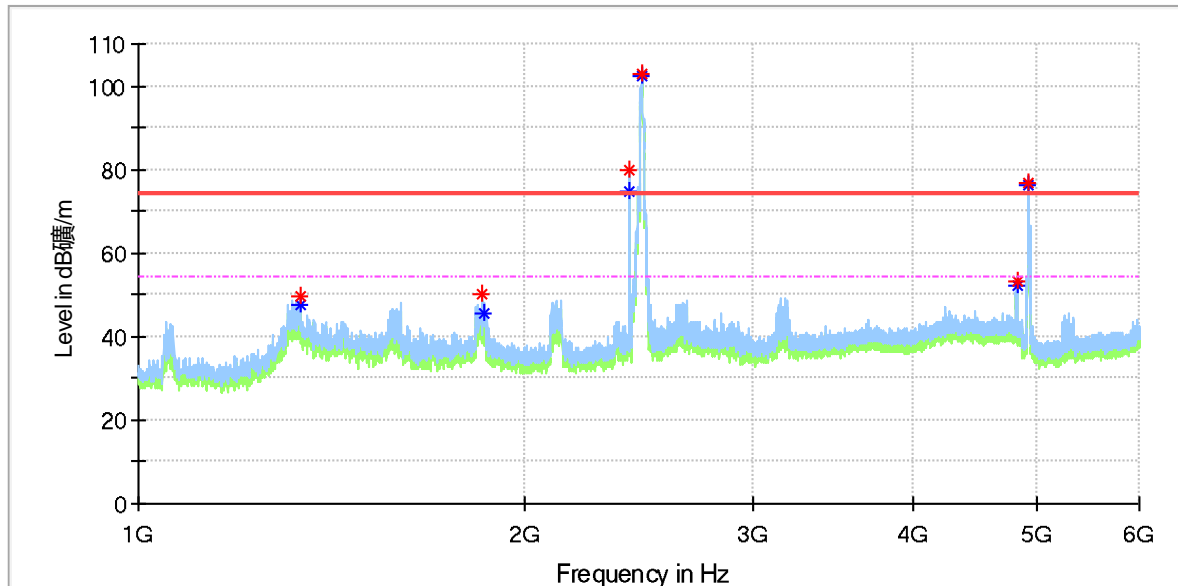
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2408.000000	---	100.79	---	---	200.0	V	300.0	-5.6
2408.000000	103.70	---	---	---	200.0	V	300.0	-5.6
2412.000000	---	98.91	---	---	200.0	V	357.0	-5.6
2412.500000	99.51	---	---	---	200.0	V	357.0	-5.6
2647.000000	---	45.49	54.00	8.51	200.0	V	325.0	-3.2
2647.000000	50.25	---	74.00	23.75	200.0	V	325.0	-3.2
3156.500000	---	46.44	54.00	7.56	200.0	V	353.0	-2.7
3156.500000	49.09	---	74.00	24.91	200.0	V	353.0	-2.7
4812.500000	---	77.02	---	---	100.0	V	25.0	2.2
4812.500000	77.17	---	---	---	100.0	V	25.0	2.2
4924.500000	---	87.46	---	---	100.0	V	136.0	0.7
4924.500000	87.88	---	---	---	100.0	V	136.0	0.7

The highest emissions are fundamental and/or harmonics.

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	WIFI operation+AV
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



Critical Freqs

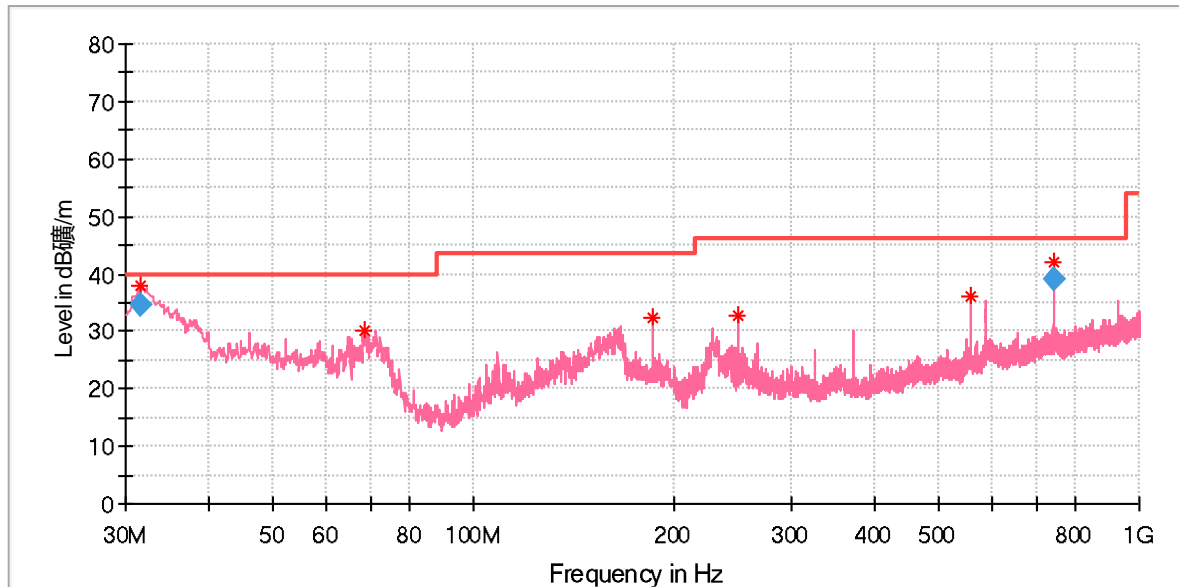
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1335.500000	49.66	---	74.00	24.34	100.0	H	346.0	-13.4
1335.500000	---	47.65	54.00	6.35	100.0	H	346.0	-13.4
1852.000000	49.93	---	74.00	24.07	100.0	H	0.0	-8.1
1853.500000	---	45.36	54.00	8.64	200.0	H	0.0	-8.1
2408.500000	80.06	---	74.00	---	200.0	H	171.0	-5.6
2408.500000	---	74.54	54.00	---	200.0	H	171.0	-5.6
2465.000000	102.63	---	74.00	---	200.0	H	117.0	-5.1
2465.000000	---	102.14	54.00	---	200.0	H	117.0	-5.1
4817.000000	53.15	---	74.00	---	200.0	H	122.0	2.1
4817.000000	---	52.20	54.00	---	200.0	H	122.0	2.1
4924.500000	76.95	---	74.00	---	100.0	H	170.0	0.7
4924.500000	---	76.30	54.00	---	100.0	H	170.0	0.7

The highest emissions are fundamental and/or harmonics.

RJ45 operation + HDMI(4K)

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: RJ45 operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical Freqs

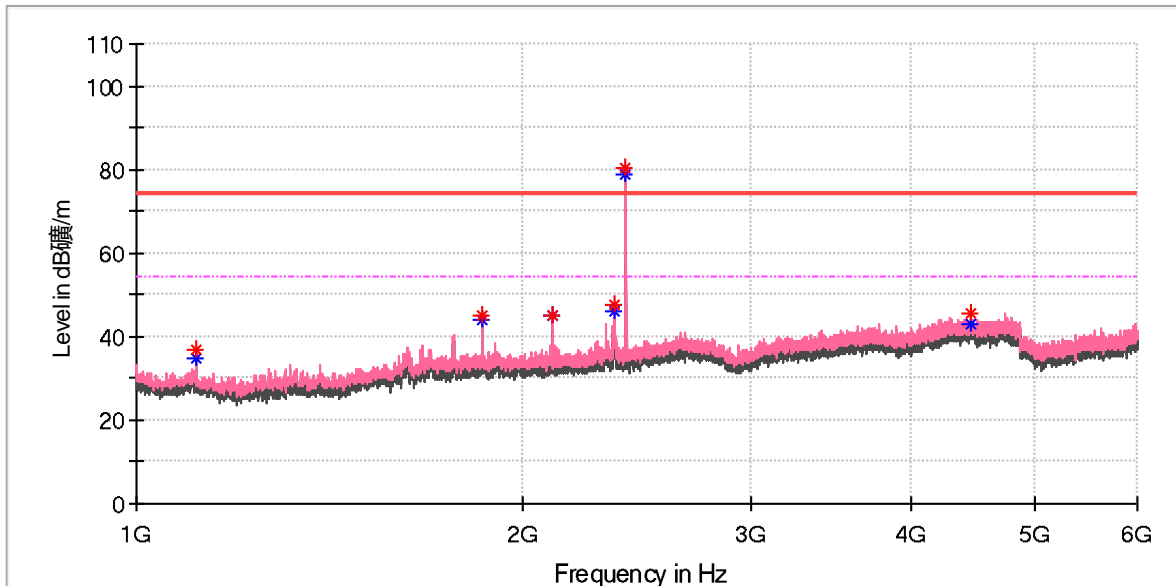
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.669000	37.87	40.00	2.13	100.0	V	198.0	17.9
68.703000	30.15	40.00	9.85	100.0	V	182.0	18.8
185.394000	32.39	43.50	11.11	100.0	V	201.0	18.2
249.996000	32.70	46.00	13.30	200.0	V	335.0	18.9
556.322000	36.16	46.00	9.84	100.0	V	145.0	26.6
741.766000	41.99	46.00	4.01	100.0	V	289.0	30.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.669000	34.55	40.00	5.45	1000.0	120.000	100.0	V	198.0	17.8
741.766000	39.24	46.00	6.76	1000.0	120.000	100.0	V	289.0	30.3

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: RJ45 operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



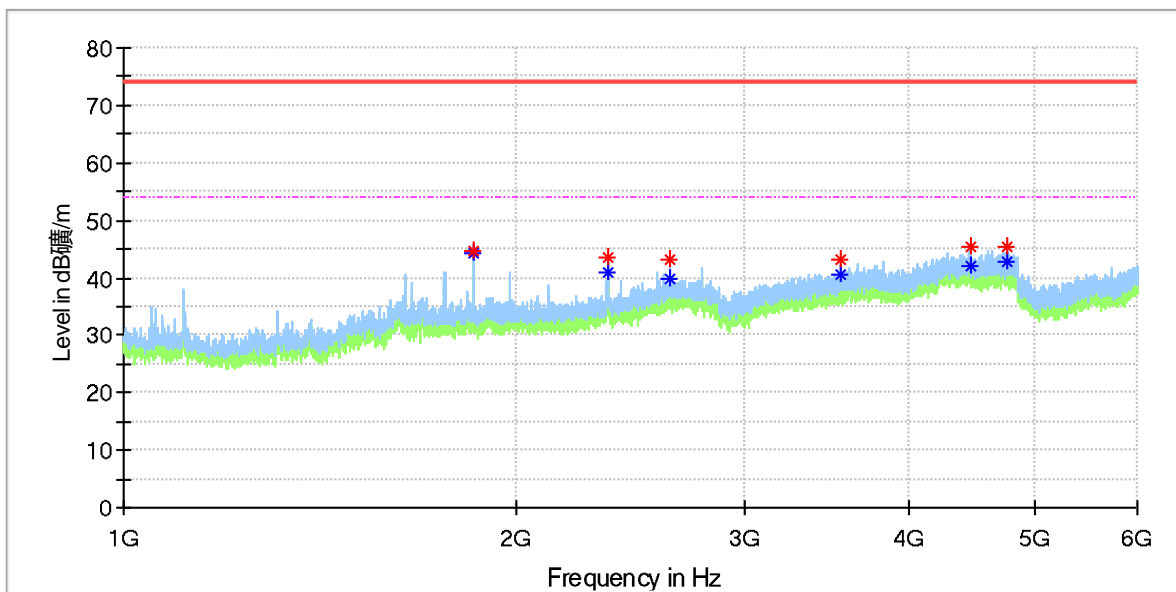
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1112.500000	---	35.02	54.00	18.98	100.0	V	116.0	-12.5
1113.000000	36.83	---	74.00	37.17	100.0	V	116.0	-12.5
1854.500000	---	44.15	54.00	9.85	100.0	V	267.0	-8.1
1854.500000	44.87	---	74.00	29.13	100.0	V	267.0	-8.1
2108.500000	---	44.81	54.00	9.19	100.0	V	122.0	-7.5
2108.500000	44.97	---	74.00	29.03	100.0	V	122.0	-7.5
2354.000000	---	46.05	54.00	7.95	100.0	V	145.0	-6.2
2354.000000	47.54	---	74.00	26.46	100.0	V	145.0	-6.2
2402.000000	---	79.02	---	---	200.0	V	311.0	-5.7
2402.000000	80.39	---	---	---	200.0	V	311.0	-5.7
4455.500000	45.54	---	74.00	28.46	200.0	V	298.0	2.0
4456.000000	---	42.77	54.00	11.23	200.0	V	0.0	2.0

The highest emissions are fundamental and/or harmonics.

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: RJ45 operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



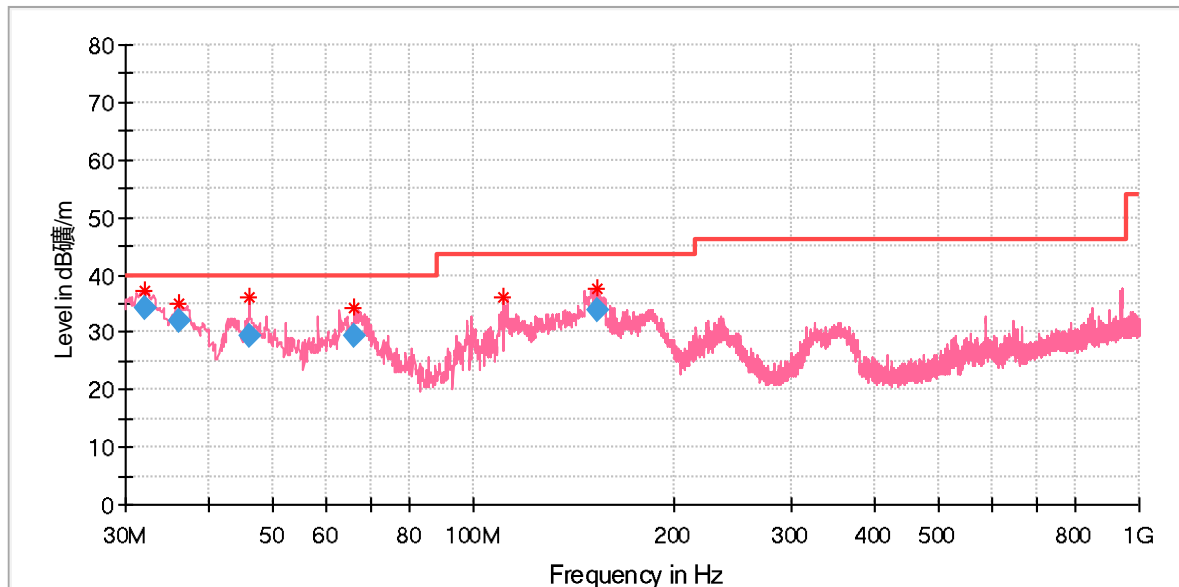
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1854.500000	---	44.17	54.00	9.83	200.0	H	0.0	-8.1
1854.500000	44.82	---	74.00	29.18	200.0	H	0.0	-8.1
2352.500000	---	40.83	54.00	13.17	200.0	H	308.0	-6.2
2352.500000	43.71	---	74.00	30.29	200.0	H	308.0	-6.2
2626.500000	---	39.74	54.00	14.26	100.0	H	247.0	-3.6
2626.500000	43.23	---	74.00	30.77	100.0	H	247.0	-3.6
3553.500000	---	40.51	54.00	13.49	200.0	H	355.0	-0.8
3553.500000	43.16	---	74.00	30.84	200.0	H	355.0	-0.8
4464.000000	---	42.03	54.00	11.97	100.0	H	12.0	2.0
4464.000000	45.56	---	74.00	28.44	100.0	H	12.0	2.0
4770.000000	---	42.76	54.00	11.24	100.0	H	335.0	2.8
4770.000000	45.44	---	74.00	28.56	100.0	H	335.0	2.8

RJ45 operation + AV

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	RJ45 operation+AV
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



Critical Freqs

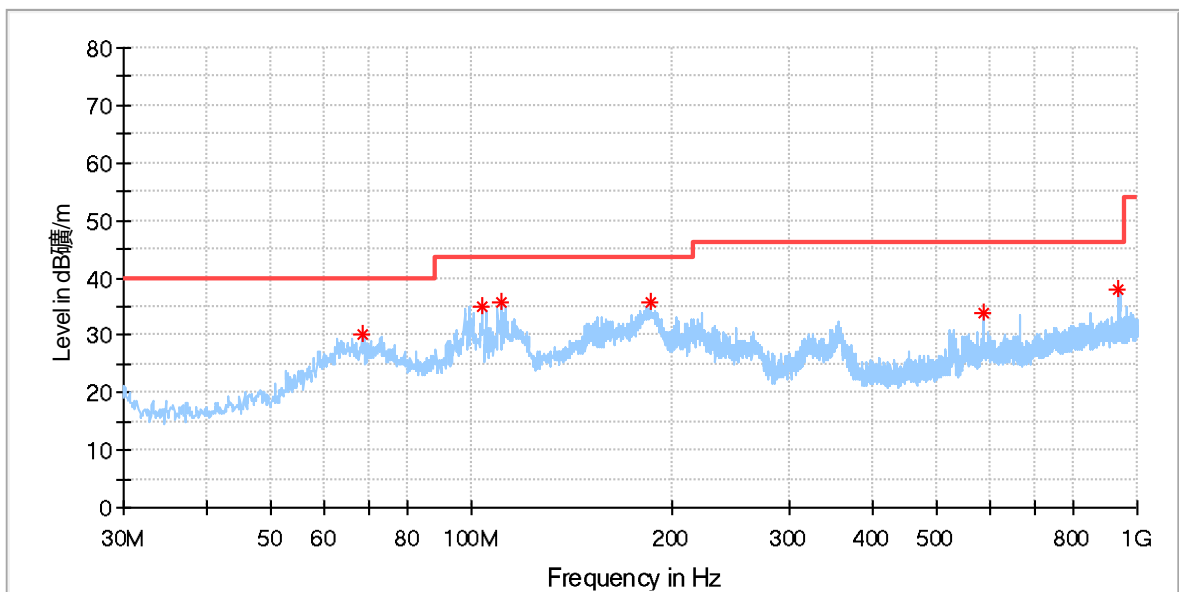
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.000000	37.20	40.00	2.80	100.0	V	154.0	17.8
36.091000	35.09	40.00	4.91	100.0	V	131.0	18.7
46.065000	36.20	40.00	3.80	100.0	V	173.0	20.9
66.258000	34.24	40.00	5.76	200.0	V	161.0	19.7
110.995000	36.08	43.50	7.42	100.0	V	189.0	18.1
153.518000	37.73	43.50	5.77	100.0	V	71.0	21.2

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.000000	34.38	40.00	5.62	1000.0	120.000	100.0	V	154.0	17.8
36.091000	32.09	40.00	7.91	1000.0	120.000	100.0	V	131.0	18.7
46.065000	29.34	40.00	10.66	1000.0	120.000	100.0	V	173.0	20.9
66.258000	29.23	40.00	10.77	1000.0	120.000	200.0	V	161.0	19.7
153.518000	33.72	43.50	9.78	1000.0	120.000	100.0	V	71.0	21.2

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: RJ45 operation+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical_Freqs

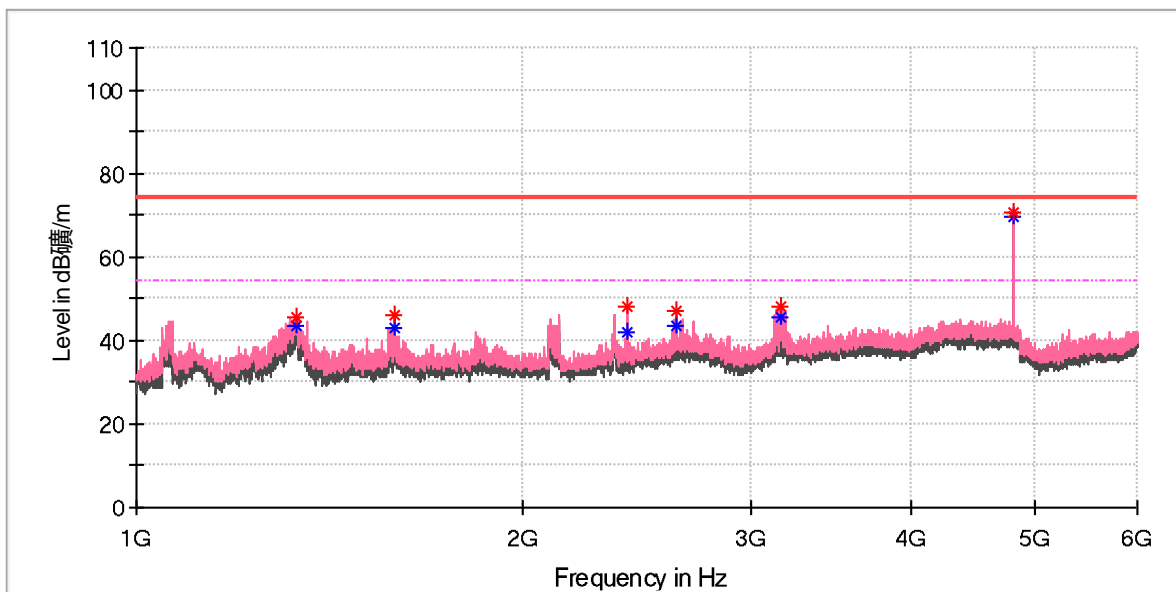
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
68.412000	30.14	40.00	9.86	300.0	H	219.0	18.9
103.526000	35.16	43.50	8.34	200.0	H	201.0	17.3
110.995000	35.71	43.50	7.79	200.0	H	43.0	18.1
185.297000	35.59	43.50	7.91	200.0	H	38.0	18.2
588.138000	33.90	46.00	12.10	200.0	H	0.0	27.1
935.980000	37.82	46.00	8.18	100.0	H	185.0	32.2

Final_Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: RJ45 operation+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



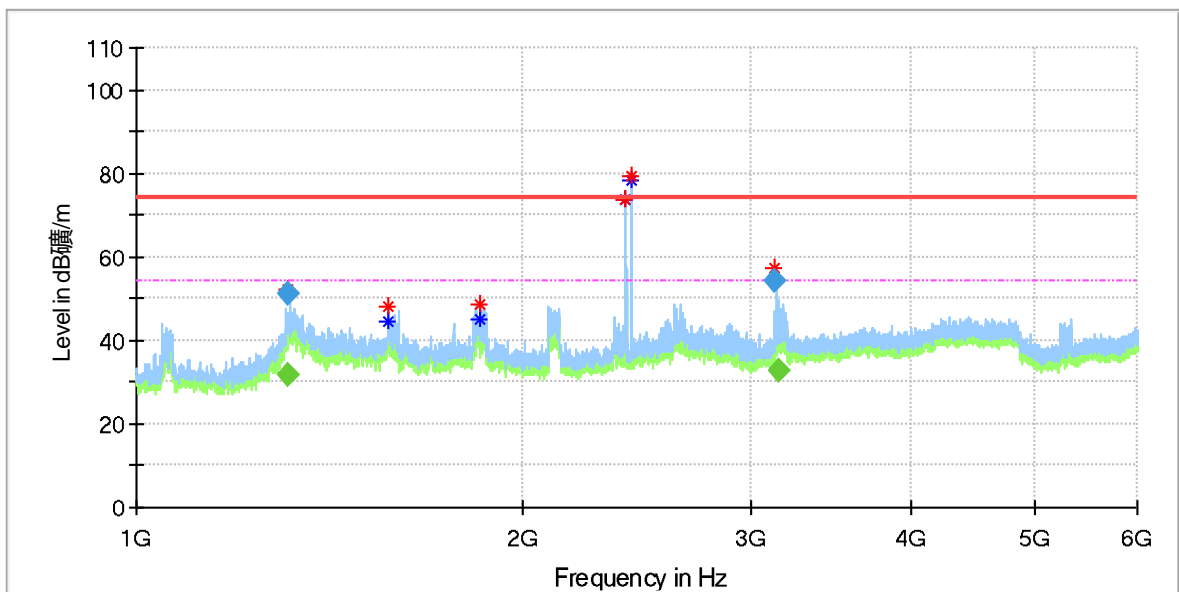
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1331.500000	---	43.68	54.00	10.32	100.0	V	10.0	-13.4
1331.500000	45.68	---	74.00	28.32	100.0	V	10.0	-13.4
1588.500000	---	43.15	54.00	10.85	200.0	V	345.0	-10.4
1588.500000	45.82	---	74.00	28.18	200.0	V	345.0	-10.4
2408.000000	---	41.88	54.00	12.12	200.0	V	283.0	-5.6
2408.500000	48.23	---	74.00	25.77	200.0	V	283.0	-5.6
2628.000000	---	43.71	54.00	10.29	200.0	V	326.0	-3.6
2628.000000	47.07	---	74.00	26.93	200.0	V	326.0	-3.6
3174.500000	---	45.43	54.00	8.57	100.0	V	325.0	-2.5
3174.500000	48.16	---	74.00	25.84	100.0	V	325.0	-2.5
4808.000000	---	69.70	---	---	200.0	V	358.0	2.3
4808.000000	70.81	---	---	---	200.0	V	358.0	2.3

The highest emissions are fundamental and/or harmonics.

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: RJ45 operation+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1310.600000	---	31.99	54.00	22.01	100.0	H	308.0	-13.5
1311.800000	52.20	---	74.00	21.80	100.0	H	308.0	-13.5
1570.000000	---	44.69	54.00	9.31	200.0	H	295.0	-10.6
1570.500000	48.22	---	74.00	25.78	100.0	H	4.0	-10.6
1851.500000	---	44.85	54.00	9.15	100.0	H	277.0	-8.1
1851.500000	48.54	---	74.00	25.46	100.0	H	277.0	-8.1
2402.000000	---	73.43	---	---	100.0	H	187.0	-5.7
2402.000000	73.84	---	---	---	100.0	H	187.0	-5.7
2426.500000	---	78.52	---	---	100.0	H	150.0	-5.5
2426.500000	79.21	---	---	---	100.0	H	150.0	-5.5
3137.600000	57.14	---	74.00	16.86	100.0	H	340.0	-2.7
3155.200000	---	33.13	54.00	20.87	100.0	H	340.0	-2.7

Final_Result

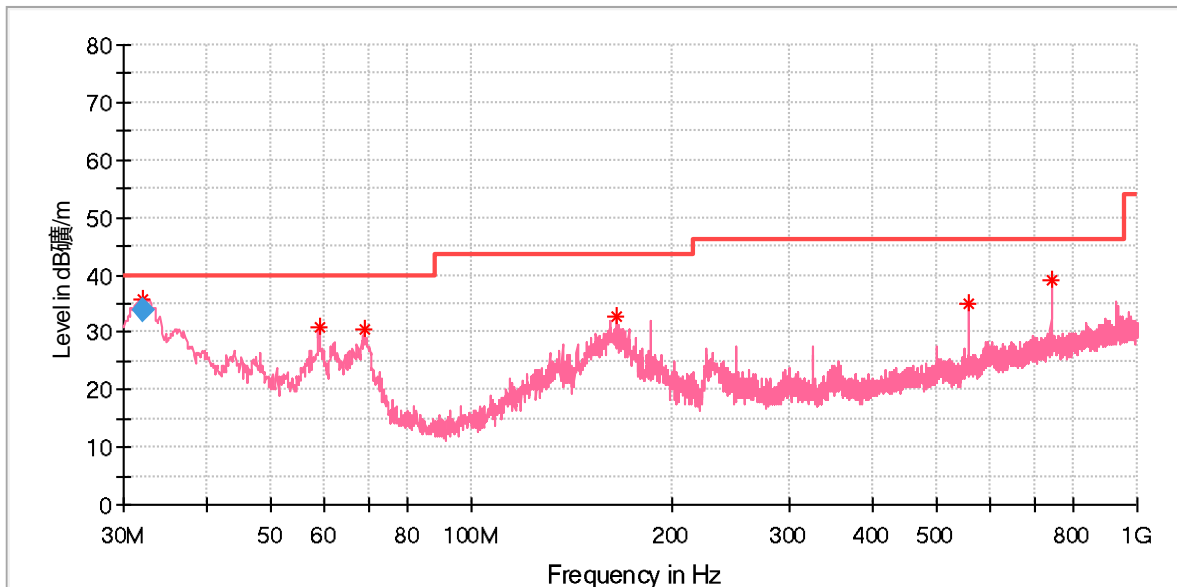
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1310.600000	---	31.57	54.00	22.43	100.0	H	308.0	-13.5
1311.800000	51.05	---	74.00	22.95	100.0	H	308.0	-13.5
3137.600000	54.34	---	74.00	19.66	100.0	H	340.0	-2.8
3155.200000	---	32.97	54.00	21.03	100.0	H	340.0	-2.7

The highest emissions are fundamental and/or harmonics.

USB Playing + HDMI(4K)

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	USB Playing+HDMI(4K)
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



Critical Freqs

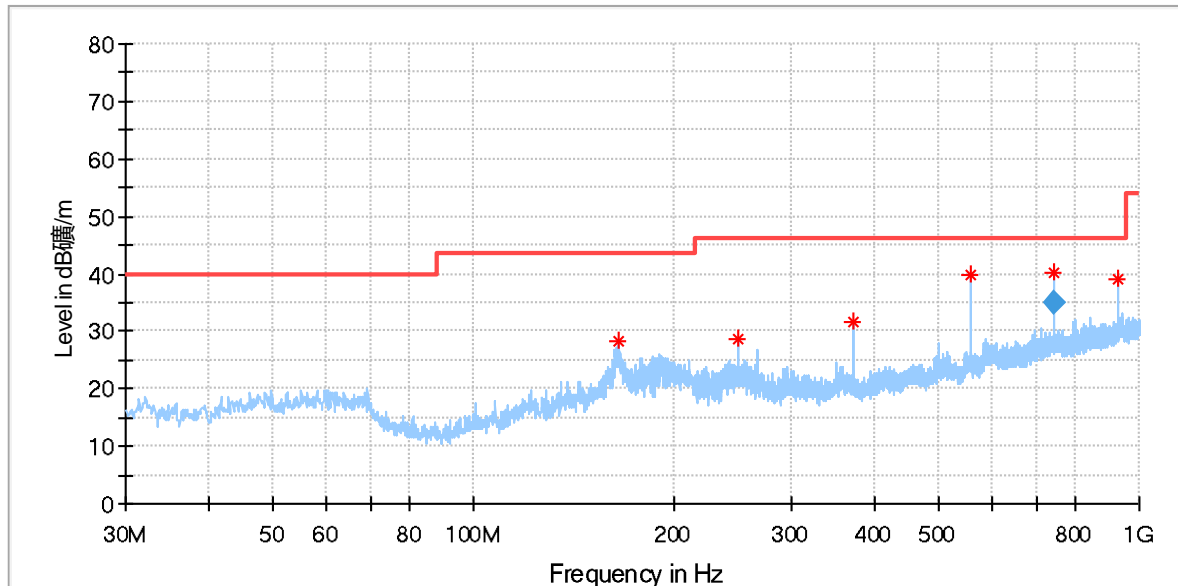
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.074000	35.78	40.00	4.22	100.0	V	263.0	17.8
59.003000	30.96	40.00	9.04	100.0	V	133.0	21.1
69.091000	30.41	40.00	9.59	100.0	V	208.0	18.7
165.121000	32.58	43.50	10.92	100.0	V	287.0	21.2
556.322000	35.16	46.00	10.84	100.0	V	149.0	26.6
741.786000	39.07	46.00	6.93	100.0	V	258.0	30.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.074000	33.91	40.00	6.09	1000.0	120.000	100.0	V	263.0	17.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: USB Playing+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical Freqs

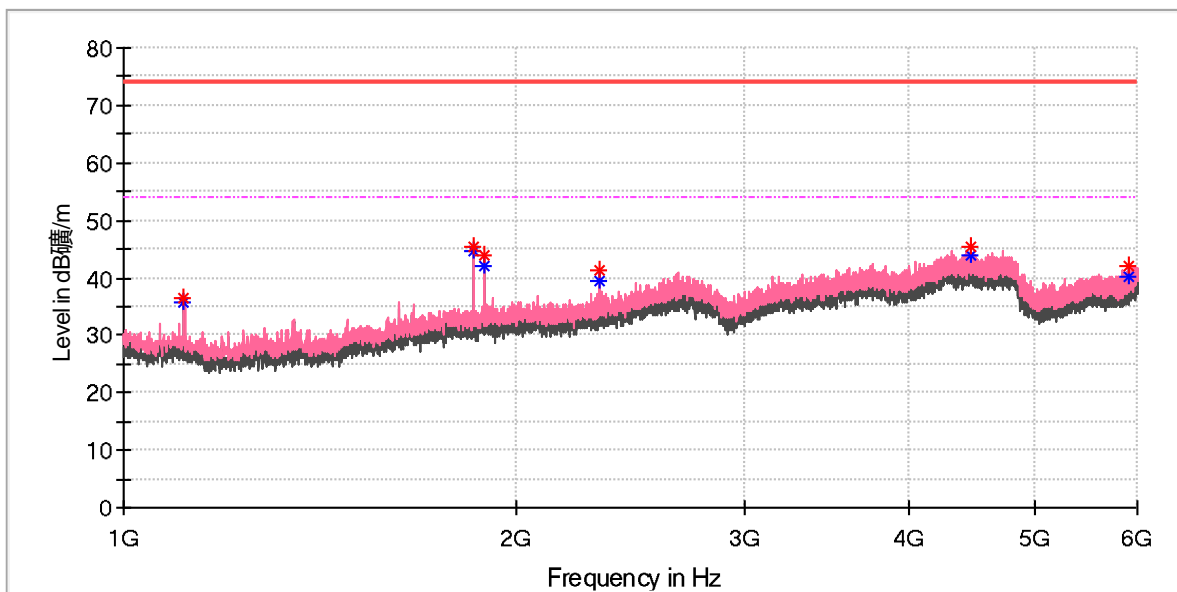
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
164.927000	28.11	43.50	15.39	100.0	H	214.0	21.2
249.996000	28.75	46.00	17.25	100.0	H	218.0	18.9
370.858000	31.57	46.00	14.43	100.0	H	210.0	22.9
556.322000	39.75	46.00	6.25	100.0	H	230.0	26.6
741.726000	40.28	46.00	5.72	100.0	H	227.0	30.3
927.250000	39.22	46.00	6.78	100.0	H	273.0	31.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
741.726000	35.11	46.00	10.89	1000.0	120.000	100.0	H	227.0	30.3

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: USB Playing+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E

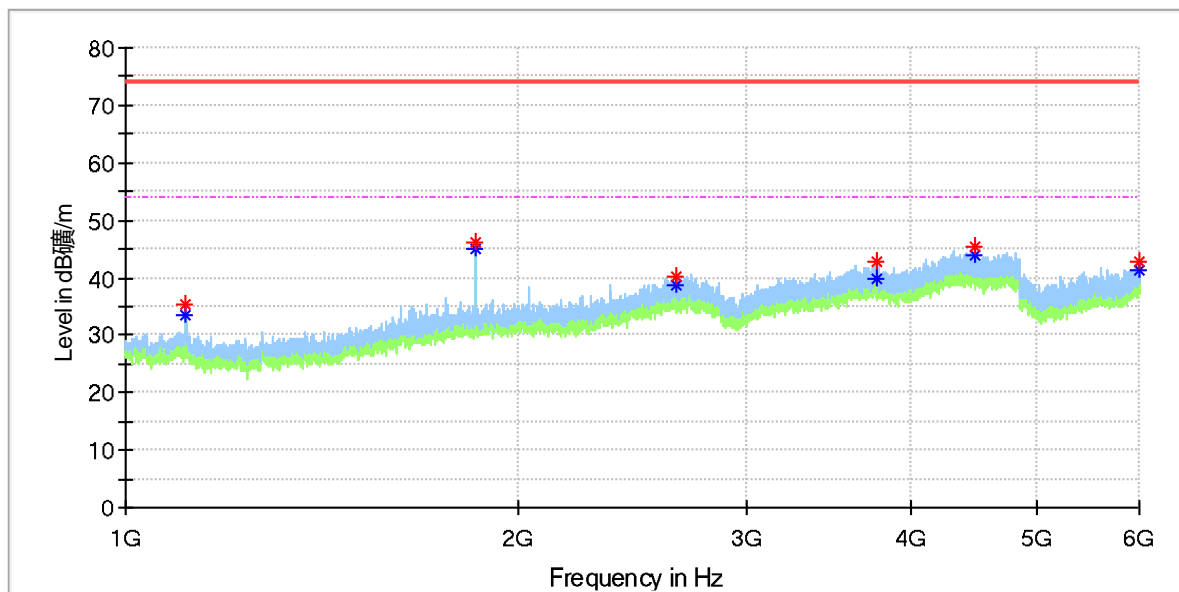


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1112.500000	36.55	---	74.00	37.45	100.0	V	22.0	-12.5
1113.000000	---	35.77	54.00	18.23	100.0	V	28.0	-12.5
1854.500000	---	44.54	54.00	9.46	200.0	V	8.0	-8.1
1854.500000	45.30	---	74.00	28.70	200.0	V	8.0	-8.1
1890.500000	---	42.23	54.00	11.77	200.0	V	162.0	-7.9
1890.500000	44.05	---	74.00	29.95	200.0	V	162.0	-7.9
2318.500000	---	39.32	54.00	14.68	100.0	V	0.0	-6.4
2318.500000	41.44	---	74.00	32.56	100.0	V	0.0	-6.4
4464.000000	---	43.75	54.00	10.25	100.0	V	56.0	2.0
4464.000000	45.51	---	74.00	28.49	100.0	V	56.0	2.0
5917.000000	---	40.13	54.00	13.87	100.0	V	19.0	1.7
5917.000000	42.00	---	74.00	32.00	100.0	V	19.0	1.7

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	USB Playing+HDMI(4K)
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



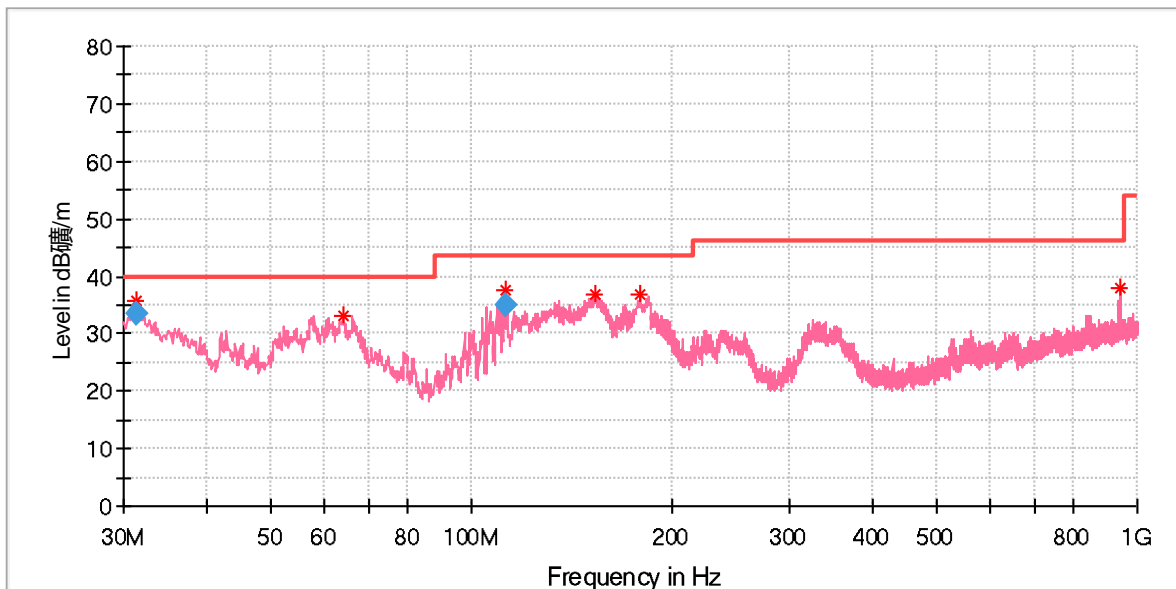
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1112.500000	---	33.49	54.00	20.51	100.0	H	279.0	-12.5
1113.000000	35.50	---	74.00	38.50	200.0	H	154.0	-12.5
1854.500000	---	44.92	54.00	9.09	200.0	H	356.0	-8.1
1854.500000	46.08	---	74.00	27.92	200.0	H	356.0	-8.1
2643.500000	---	38.74	54.00	15.26	100.0	H	0.0	-3.3
2643.500000	40.04	---	74.00	33.96	100.0	H	0.0	-3.3
3772.500000	---	39.99	54.00	14.01	100.0	H	151.0	0.1
3773.000000	42.64	---	74.00	31.36	200.0	H	262.0	0.1
4485.000000	---	44.02	54.00	9.98	100.0	H	0.0	2.1
4485.000000	45.21	---	74.00	28.79	100.0	H	0.0	2.1
5998.000000	---	41.32	54.00	12.68	200.0	H	4.0	2.5
5998.000000	42.96	---	74.00	31.04	200.0	H	4.0	2.5

USB Playing + AV

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	USB Playing+AV
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



Critical Freqs

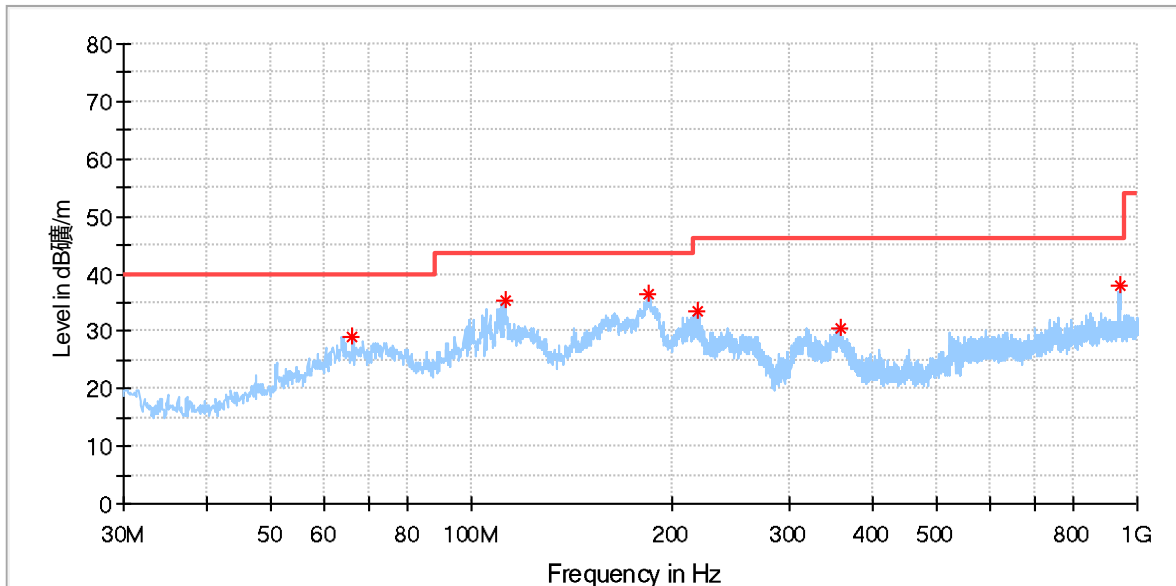
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.321000	35.74	40.00	4.26	100.0	V	229.0	17.9
64.047000	32.94	40.00	7.06	100.0	V	130.0	20.3
112.510000	37.70	43.50	5.80	100.0	V	195.0	18.5
153.093000	36.92	43.50	6.58	100.0	V	308.0	21.1
178.604000	36.72	43.50	6.78	100.0	V	187.0	19.7
941.412000	37.95	46.00	8.05	200.0	V	21.0	32.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.321000	33.41	40.00	6.59	1000.0	120.000	100.0	V	229.0	17.9
112.510000	34.87	43.50	8.63	1000.0	120.000	100.0	V	195.0	18.5

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: USB Playing+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical Freqs

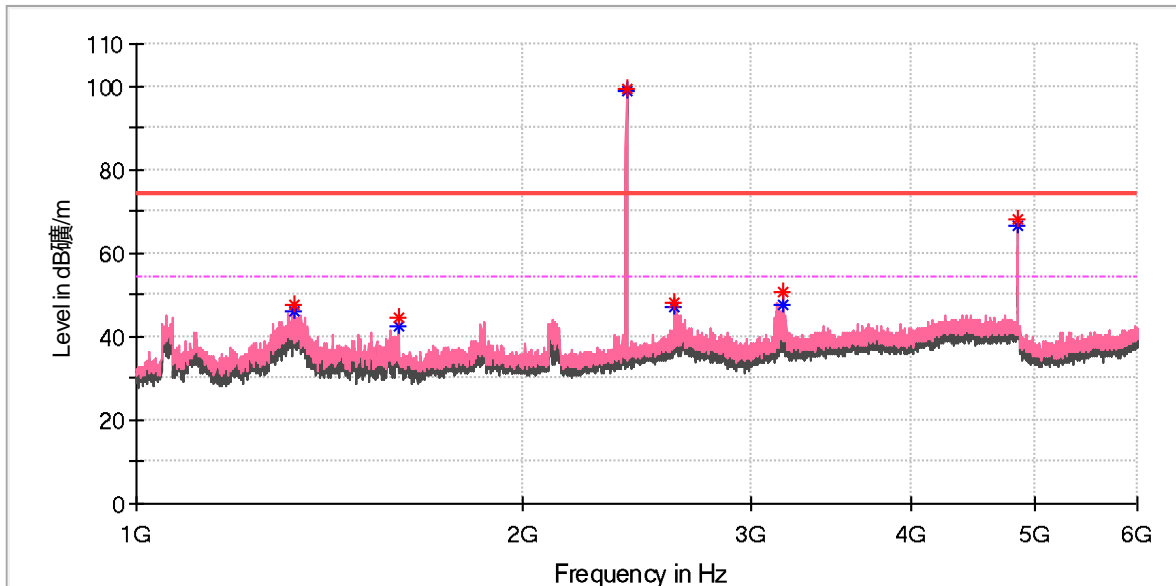
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
66.278000	29.13	40.00	10.87	300.0	H	209.0	19.7
112.450000	35.46	43.50	8.04	300.0	H	26.0	18.5
184.618000	36.64	43.50	6.86	200.0	H	48.0	18.4
219.053000	33.63	46.00	12.37	100.0	H	307.0	18.6
359.509000	30.67	46.00	15.33	100.0	H	295.0	22.7
940.054000	37.81	46.00	8.19	200.0	H	92.0	32.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---		---	---

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	USB Playing+AV
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By./Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



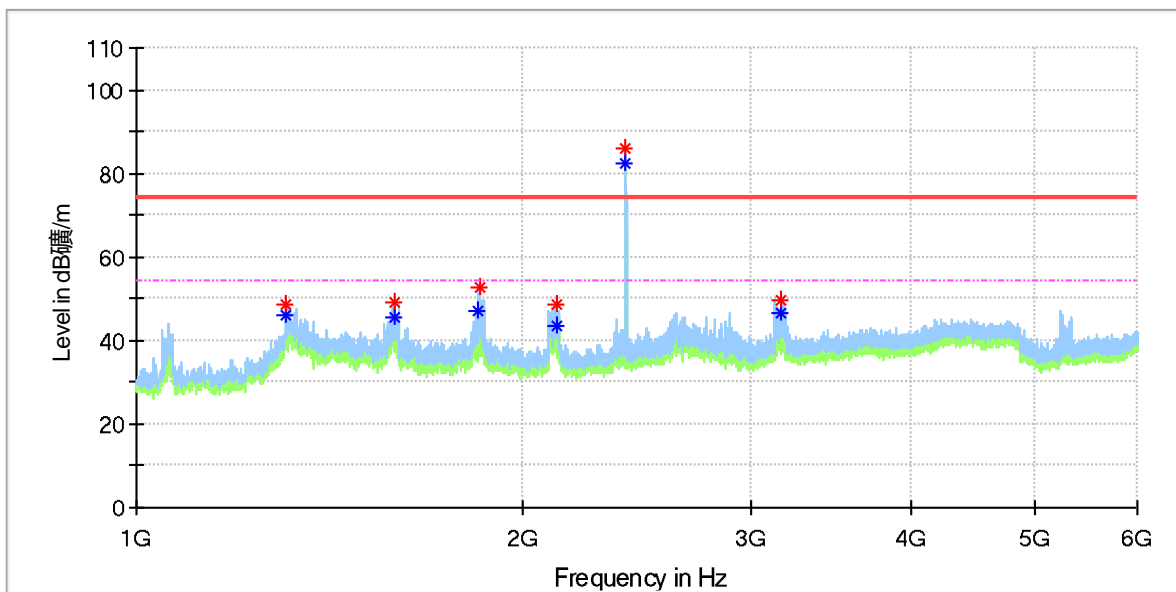
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1327.000000	---	45.80	54.00	8.20	200.0	V	341.0	-13.4
1327.000000	47.67	---	74.00	26.33	200.0	V	341.0	-13.4
1597.000000	---	42.23	54.00	11.77	200.0	V	356.0	-10.3
1597.000000	44.27	---	74.00	29.73	200.0	V	356.0	-10.3
2404.000000	---	98.65	---	---	100.0	V	338.0	-5.6
2404.000000	99.41	---	---	---	100.0	V	338.0	-5.6
2615.500000	---	46.85	54.00	7.15	200.0	V	325.0	-3.6
2615.500000	47.85	---	74.00	26.15	200.0	V	325.0	-3.6
3185.500000	---	47.67	54.00	6.33	200.0	V	352.0	-2.4
3185.500000	50.55	---	74.00	23.45	200.0	V	352.0	-2.4
4844.500000	---	66.74	---	---	200.0	V	100.0	1.7
4844.500000	67.82	---	---	---	200.0	V	100.0	1.7

The highest emissions are fundamental and/or harmonics.

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: USB Playing+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical_Freqs

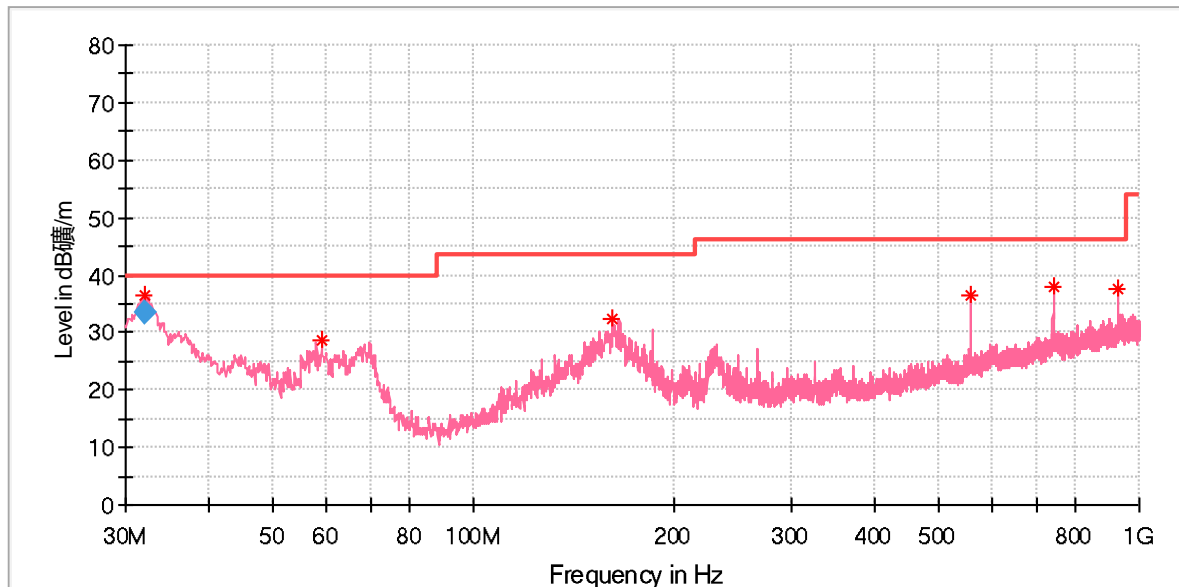
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1308.000000	---	46.22	54.00	7.78	100.0	H	353.0	-13.6
1309.000000	48.54	---	74.00	25.46	200.0	H	341.0	-13.6
1588.000000	49.11	---	74.00	24.89	200.0	H	2.0	-10.4
1588.000000	---	45.64	54.00	8.36	200.0	H	2.0	-10.4
1846.000000	---	47.15	54.00	6.85	200.0	H	285.0	-8.2
1846.500000	52.53	---	74.00	21.47	200.0	H	285.0	-8.2
2123.000000	---	43.38	54.00	10.62	100.0	H	287.0	-7.4
2123.000000	48.45	---	74.00	25.55	100.0	H	287.0	-7.4
2402.000000	---	82.36	---	---	100.0	H	306.0	-5.7
2402.000000	85.84	---	---	---	100.0	H	306.0	-5.7
3175.500000	---	46.68	54.00	7.32	100.0	H	353.0	-2.5
3175.500000	49.87	---	74.00	24.13	100.0	H	353.0	-2.5

The highest emissions are fundamental and/or harmonics.

BT operation + HDMI(4K)

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: BT operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By./Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical Freqs

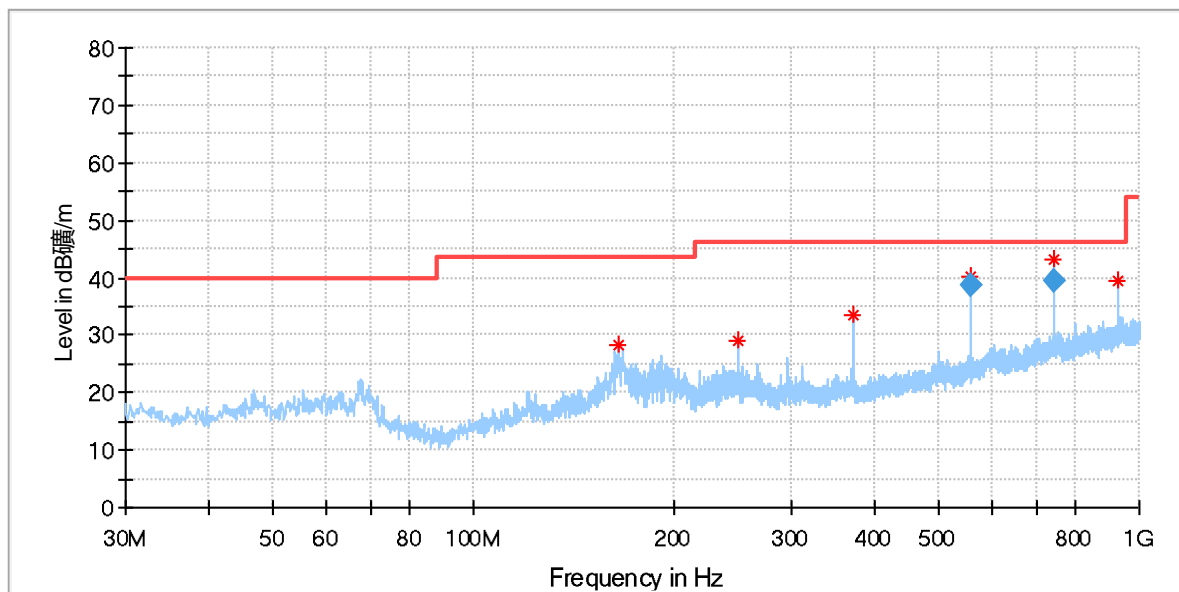
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.057000	36.40	40.00	3.60	100.0	V	3.0	17.8
59.100000	28.68	40.00	11.32	100.0	V	109.0	21.1
161.532000	32.43	43.50	11.07	100.0	V	271.0	21.5
556.322000	36.35	46.00	9.65	100.0	V	0.0	26.6
741.883000	38.10	46.00	7.90	100.0	V	330.0	30.3
927.250000	37.47	46.00	8.53	100.0	V	330.0	31.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.057000	33.53	40.00	6.47	1000.0	120.000	100.0	V	3.0	17.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: BT operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical_Freqs

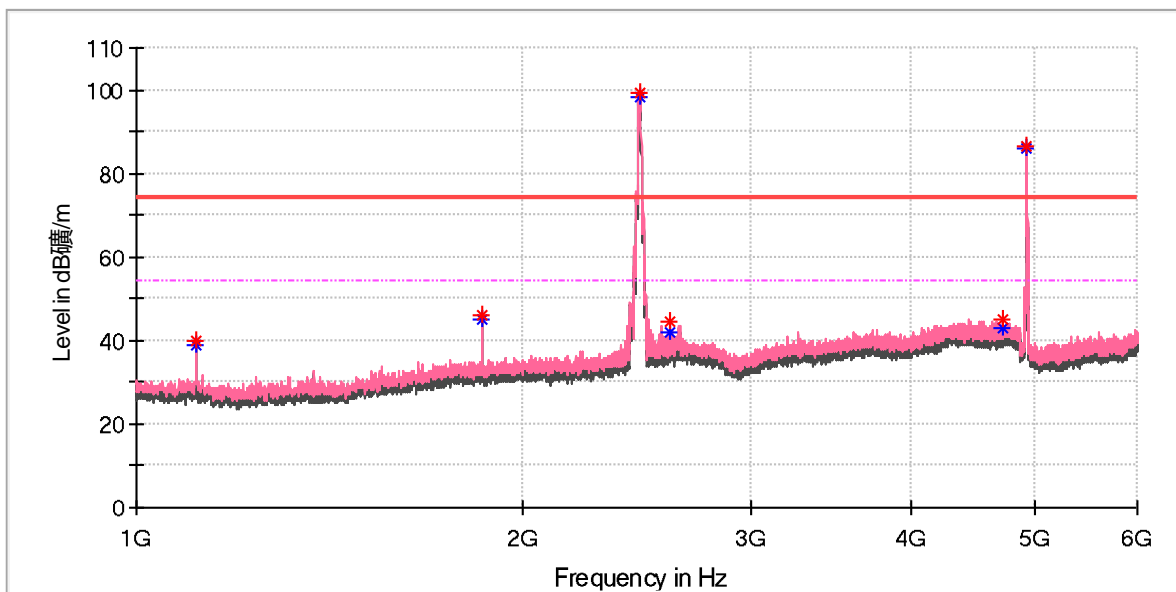
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
165.412000	28.29	43.50	15.21	100.0	H	203.0	21.2
249.996000	29.03	46.00	16.97	100.0	H	26.0	18.9
370.858000	33.65	46.00	12.35	100.0	H	248.0	22.9
556.302000	40.07	46.00	5.93	100.0	H	227.0	26.6
741.766000	42.99	46.00	3.01	100.0	H	176.0	30.3
927.250000	39.30	46.00	6.70	100.0	H	315.0	31.8

Final_Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
556.302000	38.73	46.00	7.27	1000.0	120.000	100.0	H	227.0	26.6
741.766000	39.29	46.00	6.71	1000.0	120.000	100.0	H	176.0	30.3

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: BT operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



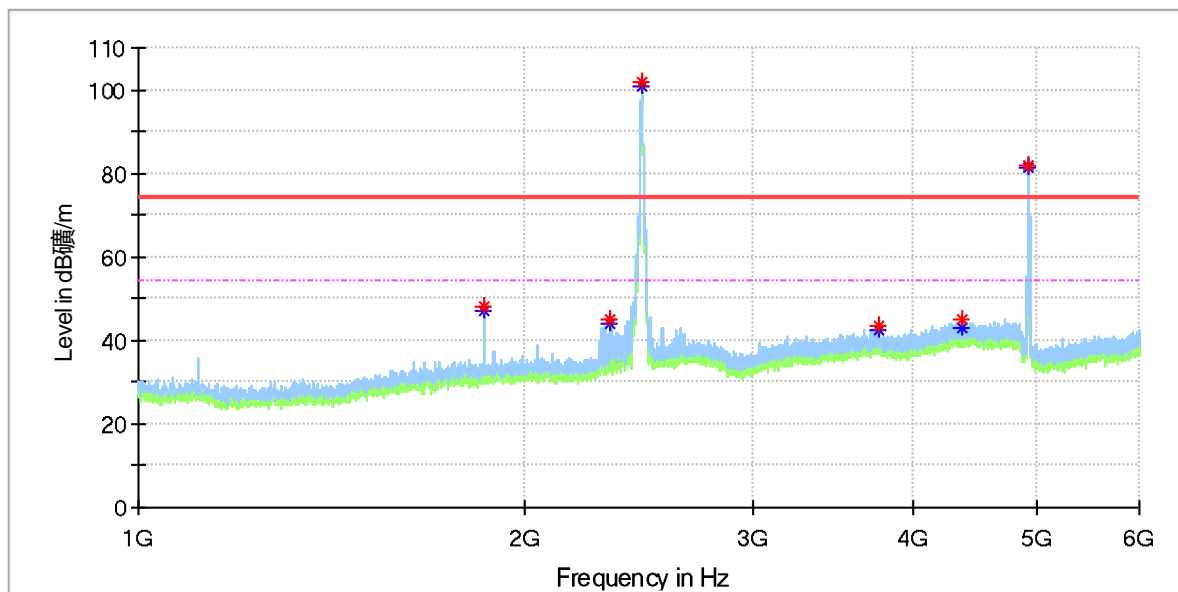
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1112.500000	---	38.84	54.00	15.17	100.0	V	286.0	-12.5
1112.500000	39.85	---	74.00	34.15	100.0	V	286.0	-12.5
1854.500000	---	44.91	54.00	9.09	100.0	V	296.0	-8.1
1854.500000	45.94	---	74.00	28.06	100.0	V	296.0	-8.1
2459.500000	99.17	---	---	---	100.0	V	125.0	-5.1
2460.500000	---	98.03	---	---	100.0	V	125.0	-5.1
2601.000000	---	42.14	54.00	11.86	200.0	V	214.0	-3.7
2601.500000	44.60	---	74.00	29.40	200.0	V	214.0	-3.7
4716.500000	---	42.77	54.00	11.23	100.0	V	244.0	2.7
4716.500000	45.15	---	74.00	28.85	100.0	V	244.0	2.7
4924.500000	---	85.97	---	---	100.0	V	58.0	0.7
4924.500000	86.63	---	---	---	100.0	V	58.0	0.7

The highest emissions are fundamental and/or harmonics.

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: BT operation+HDMI(4K)
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical_Freqs

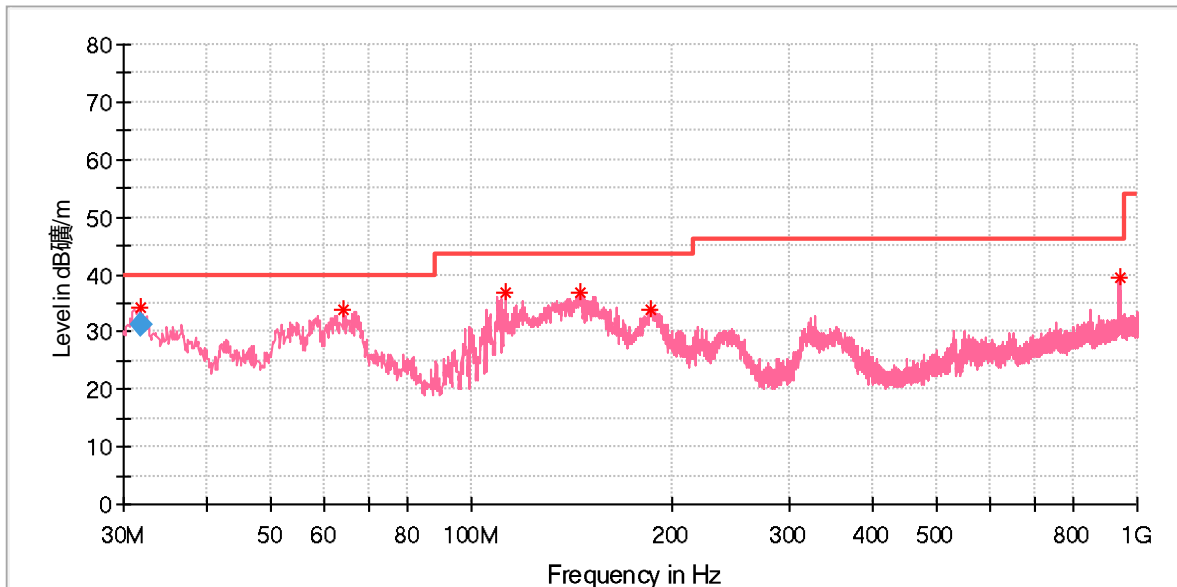
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1854.500000	48.25	---	74.00	25.75	200.0	H	0.0	-8.1
1854.500000	---	47.16	54.00	6.84	200.0	H	0.0	-8.1
2330.500000	---	43.84	54.00	10.16	200.0	H	292.0	-6.4
2330.500000	44.86	---	74.00	29.14	200.0	H	292.0	-6.4
2461.500000	---	100.95	---	---	100.0	H	204.0	-5.1
2461.500000	101.65	---	---	---	100.0	H	204.0	-5.1
3764.000000	---	42.31	54.00	11.69	200.0	H	282.0	0.1
3764.000000	43.42	---	74.00	30.58	200.0	H	282.0	0.1
4368.000000	---	42.73	54.00	11.27	200.0	H	62.0	2.1
4368.000000	44.82	---	74.00	29.18	200.0	H	62.0	2.1
4924.500000	---	81.14	---	---	200.0	H	150.0	0.7
4924.500000	81.84	---	---	---	200.0	H	150.0	0.7

The highest emissions are fundamental and/or harmonics.

BT operation + AV

EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	BT operation+AV
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



Critical Freqs

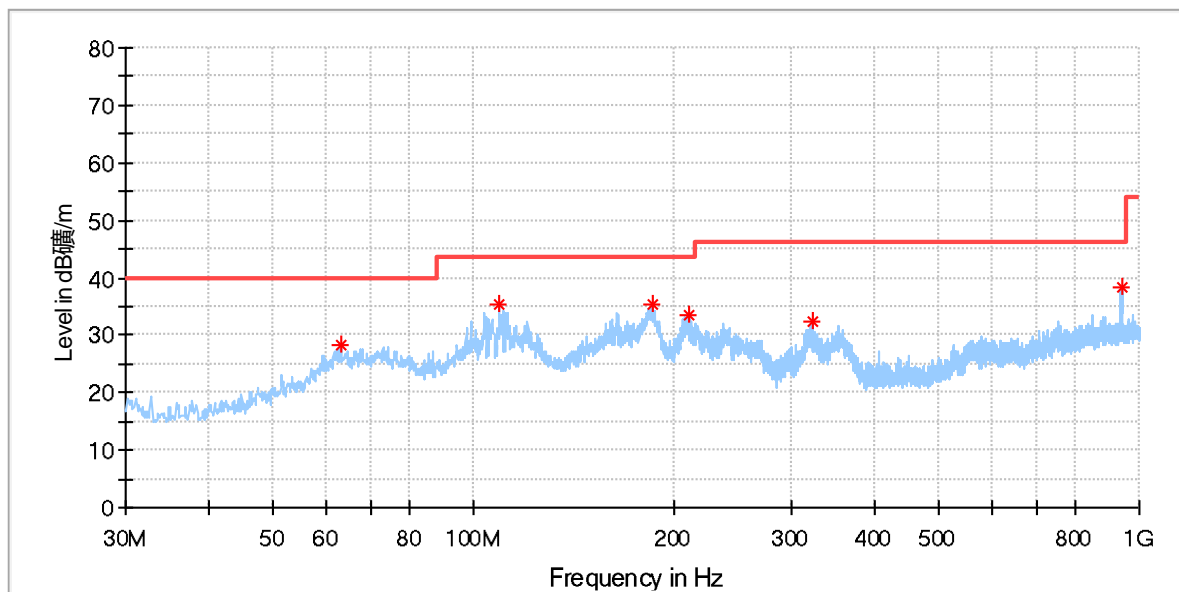
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.709000	34.13	40.00	5.87	100.0	V	94.0	17.9
64.047000	33.72	40.00	6.28	100.0	V	238.0	20.3
112.353000	36.70	43.50	6.80	100.0	V	180.0	18.5
145.333000	36.73	43.50	6.77	100.0	V	65.0	20.2
185.394000	34.02	43.50	9.48	100.0	V	94.0	18.2
941.412000	39.40	46.00	6.60	100.0	V	238.0	32.3

Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.709000	31.40	40.00	8.61	1000.0	120.000	100.0	V	94.0	17.8

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: BT operation+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical_Freqs

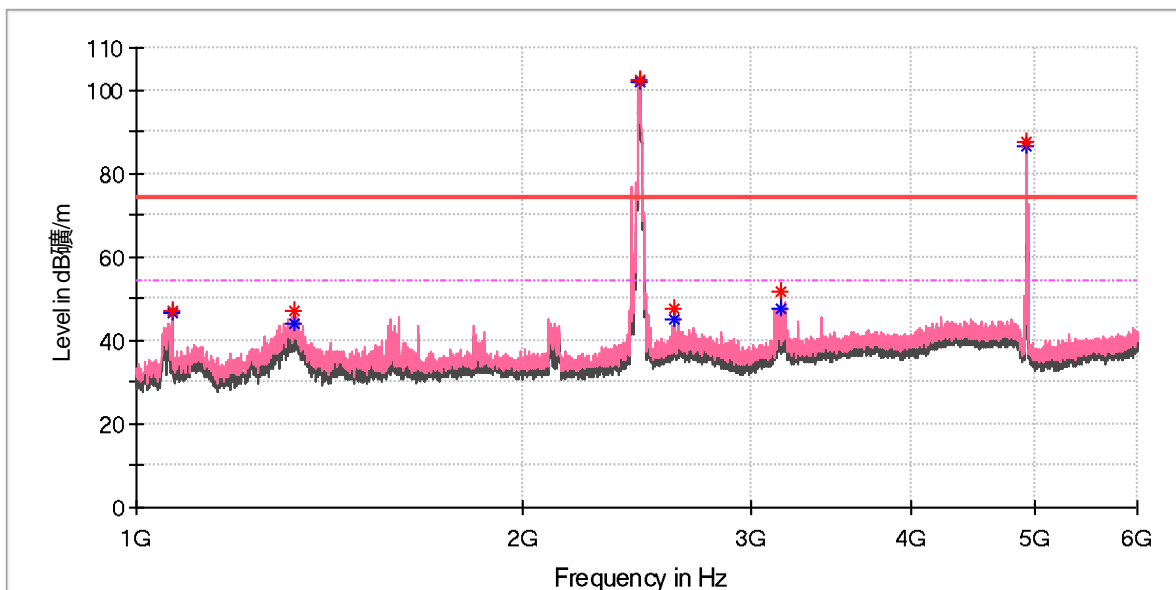
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
63.174000	28.33	40.00	11.67	300.0	H	170.0	20.4
109.443000	35.51	43.50	7.99	300.0	H	28.0	17.9
185.200000	35.26	43.50	8.24	200.0	H	20.0	18.2
210.129000	33.32	43.50	10.18	100.0	H	32.0	17.8
323.037000	32.52	46.00	13.48	100.0	H	24.0	21.8
939.957000	38.22	46.00	7.78	100.0	H	271.0	32.3

Final_Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	ZBox 1
Order No:	168372225
Model:	ZXV10 B866V2K
Test Mode:	BT operation+AV
Test Voltage:	AC 120V/60Hz
Standard:	FCC Part 15
Test By:/Review By:	Shower Dai / Gary Chen
Tem./Hum./Pressure:	24.2°C/53.7%/101kPa
Remark:	Adapter model:Adapte KL-WA120100-E



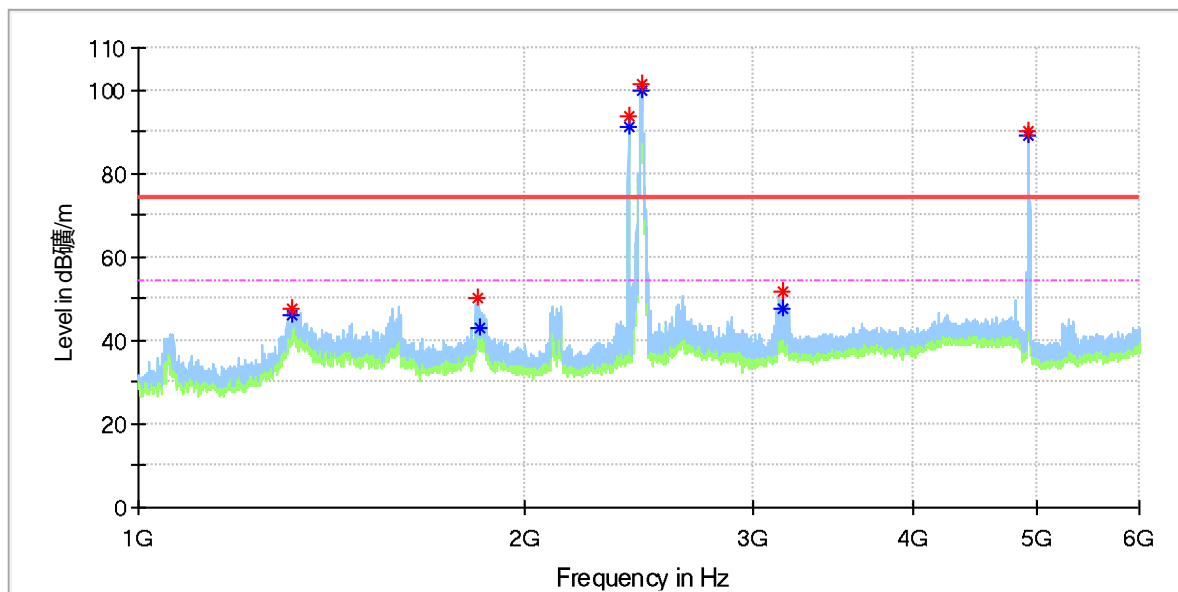
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1066.000000	---	46.32	54.00	7.68	200.0	V	350.0	-12.8
1066.000000	46.97	---	74.00	27.03	200.0	V	350.0	-12.8
1327.000000	---	44.15	54.00	9.85	100.0	V	67.0	-13.4
1329.000000	46.87	---	74.00	27.13	100.0	V	11.0	-13.4
2460.500000	---	101.77	---	---	200.0	V	143.0	-5.1
2460.500000	102.15	---	---	---	200.0	V	143.0	-5.1
2620.000000	---	45.17	54.00	8.83	200.0	V	326.0	-3.6
2620.000000	47.82	---	74.00	26.18	200.0	V	326.0	-3.6
3172.000000	---	47.81	54.00	6.19	200.0	V	345.0	-2.5
3172.000000	51.61	---	74.00	22.39	200.0	V	345.0	-2.5
4924.500000	---	86.63	---	---	100.0	V	210.0	0.7
4924.500000	87.30	---	---	---	100.0	V	210.0	0.7

The highest emissions are fundamental and/or harmonics.

EUT Information

EUT Name: ZBox 1
 Order No: 168372225
 Model: ZXV10 B866V2K
 Test Mode: BT operation+AV
 Test Voltage: AC 120V/60Hz
 Standard: FCC Part 15
 Test By:/Review By: Shower Dai / Gary Chen
 Tem./Hum./Pressure: 24.2°C/53.7%/101kPa
 Remark: Adapter model:Adapte KL-WA120100-E



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1316.500000	---	46.08	54.00	7.92	200.0	H	4.0	-13.5
1316.500000	47.75	---	74.00	26.25	200.0	H	4.0	-13.5
1839.000000	50.13	---	74.00	23.87	200.0	H	284.0	-8.3
1842.000000	---	43.11	54.00	10.89	200.0	H	356.0	-8.2
2404.000000	---	91.32	---	---	100.0	H	71.0	-5.6
2404.000000	93.55	---	---	---	100.0	H	71.0	-5.6
2464.000000	---	99.67	---	---	200.0	H	19.0	-5.1
2464.500000	101.55	---	---	---	200.0	H	19.0	-5.1
3165.000000	---	47.61	54.00	6.39	100.0	H	340.0	-2.6
3165.000000	51.83	---	74.00	22.17	100.0	H	340.0	-2.6
4924.500000	---	89.25	---	---	100.0	H	168.0	0.7
4924.500000	89.79	---	---	---	100.0	H	168.0	0.7

The highest emissions are fundamental and/or harmonics.