



FCC PART 15B TEST REPORT

No. 24T04Z102392-007

for

BLU Products,Inc.

Smart phone

Model Name: B1660V

FCC ID: YHLBLUB1660V

with

Hardware Version: V1.0

Software Version: BLU_B1660V_V15.0.01.05.01.05_FSec

Issued Date: 2025-02-20

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

Test Laboratory:

CTTL-Telecommunication Technology Labs, CAICT

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04Z102392-007	Rev.0	1 st edition	2025-02-13
24T04Z102392-007	Rev.1	2 nd edition Add Introduction on Page 4	2025-02-20

Note: the latest revision of the test report supersedes all previous version.

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1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA website.

1.2. Testing Location

CTTL (huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,
P. R. China 100191

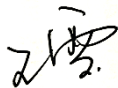
1.3. Testing Environment

Normal Temperature: 15-35°C
Relative Humidity: 20-75%

1.4. Project data

Testing Start Date: 2024-12-19
Testing End Date: 2025-01-15

1.5. Signature



Wang Xue

(Prepared this test report)



Zhang Ying

(Reviewed this test report)



Zhang Xia

(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name: BLU Products, Inc.
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Contact Person: Zeng wei
Contact Email: zwei@ctasiasz.com
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2.2. Manufacturer Information

Company Name: BLU Products, Inc.
Address/Post: 8600 NW 36th Street, Suite #300 | Miami, FL 33166
Contact Person: Zeng wei
Contact Email: zwei@ctasiasz.com
Telephone: 305.715.7171
Fax: 305.436.8819

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Smart phone
Model Name	B1660V
FCC ID:	YHLBLUB1660V

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL, Telecommunication Technology Labs, CAICT.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
UT111a	354154670011268	V1.0	BLU_B1660V_V15.0.01.05.0 1.05_FSec
UT122a	354154670013892	V1.0	BLU_B1660V_V15.0.01.05.0 1.05_FSec

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Model	Manufacturer
AE1	Battery1	C906548500PTF	Guangdong Highpower New Energy Technology Co., Ltd.
AE2	Charger1	US-BVS-2000	Guangdong Beicom Electronics Co.,Ltd.
AE3	USB Cable1	P103-BVJ132-000	Shenzhen Yihuaxing Electronic Co., Ltd

*AE ID: is used to identify the test sample in the lab internally.

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	UT111a + AE1 +AE2+AE3	Charger1+MP3+F Camera +WCDMA B5 idle
Set.2	UT111a + AE1 +AE2+AE3	Charger1+R Camera + LTE B5 idle
Set.3	UT111a + AE1 +AE3	USB + NR n5 idle
Set.2-1	UT122a + AE1 +AE2+AE3	Charging for 2 nd source
Set.2-2	UT122a + AE1 +AE3	USB for 2 nd source

Note:

Equipment Under Test (EUT) is a model of smart phone.

It supports

UMTS Band	FDD Band II(W1900) /FDD Band IV(W1700)/FDD V(W850)
LTE Band	FDD Bands 2/4/5/12/13/66
NR Band	NSA n2/n5/n66/n77

It has MP3, Camera, USB memory, Bluetooth 5.0, Wi-Fi (802.11a/b/g/n/ac, 802.11n supports 20MHz , 802.11ac supports 20MHz, 40MHz and 80MHz bandwidth) function.

The device contains receivers which tune and operate between 30MHz-960MHz in the following

mode: GSM 850, WCDMA850, LTE Band 5/12, NR n5. All licensed band receivers that tune in the range of 30MHz-960MHz are investigated. Only the worst-case emissions are reported.

4. Reference Documents

4.1. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices - Unintentional Radiators	2023
ANSI C63.4	American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

Note: The test methods have no deviation with standards.

5. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	NA	Not applicable
	F	Fail

Items	Test Name	Clause in FCC rules	Section in this report	Verdict	Test Location
1	Radiated Emission	15.109(a)	B.1	P	CTTL(huayuan North Road)
2	Conducted Emission	15.107(a)	B.2	P	CTTL(huayuan North Road)

6. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	Test Receiver	ESW44	103023	R&S	2025-06-06	1 year
2	Test Receiver	ESCI 3	100344	R&S	2025-04-01	1 year
3	LISN	ENV216	101200	R&S	2025-05-16	1 year
4	EMI Antenna	VULB 9163	01222	SCHWARZBECK	2025-09-11	1 year
5	EMI Antenna	3115	00167250	ETS-Lindgren	2025-04-11	1 year
6	Universal Communication Tester	CMW500	150344	R&S	2025-01-03	1 year
7	Universal Communication Tester	E7515B	MY60102215	Keysight	2025-07-09	1 year

Test software information		
Test Item	Software	Version
Radiated Emission	EMC32	V11.50.00
Conducted Emission	EMC32	V8.53.00

Semi-anechoic chamber utilized did not exceed following limits along the testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	< ±4 dB, 10 m distance
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 6GHz

Shielded room utilized did not exceed following limits along the testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz – 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω

7. Measurement Uncertainty

Where relevant, the following measurement uncertainty(worse case) levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Location 1: CTTL(huayuan North Road)

Test item	Frequency ranges	Measurement uncertainty
Radiated Emission	30MHz-1GHz	4.72dB($k=2$)
	1GHz-18GHz	4.84dB($k=2$)
Conducted Emission	150kHz-30MHz	AC Power Line: 3.08dB($k=2$)

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission

Reference

FCC: CFR Part 15.109(a).

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator (USB/OTG mode of MS and charging mode of MS) at distances of 3 meters is tested. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3/10 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode

The MS is operating in the USB mode and charging mode. During the test MS is connected to a PC via a USB cable in the case of USB mode, and is connected to the other device for charging in OTG mode and is connected to a charger in the case of charging mode.

The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in section 3.4, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

The model of the PC is M4000E-17, and the serial number of the PC is M706GWXD. The software is used to let the PC keep on copying data to MS, reading and erasing the data after copy action was finished.

Note: I/O information: Printer – USB, Mouse – PS/2, Keyboard – USB.

The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in section 3.4, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

A.1.3 Measurement Limit

Frequency range (MHz)	Field strength limit ($\mu\text{V/m}$)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

Note: the above limit is for 3 meters test distance. 10 meters' limit is got by converting.

A.1.4 Test Condition

Frequency range (MHz)	RBW/VBW	Sweep Time (s)	Detector
30-1000	120kHz (IF Bandwidth)	5	Peak/Quasi-peak
Above 1000	1MHz/3MHz	15	Peak, Average

A.1.5 Measurement Results

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss". It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{Mea}} + A_{Rpl} = P_{\text{Mea}} + G_A + G_{PL}$$

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

Measurement results for Set.1:

Charing Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17869.4	42.69	-26.8	42.3	27.19	54	11.31	H
17885.1	42.33	-26.8	42.3	26.83	54	11.67	V
17959.5	42.26	-26.8	42.3	26.76	54	11.74	V
17952.7	42.25	-26.8	42.3	26.75	54	11.75	V
17928.3	42.16	-26.8	42.3	26.66	54	11.84	V
17971.4	42.16	-26.8	42.3	26.66	54	11.84	H

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17839.5	53.38	-26.8	42.3	37.88	74	20.62	V
17870.1	52.95	-26.8	42.3	37.45	74	21.05	V
17958.2	52.88	-26.8	42.3	37.38	74	21.12	H
17861.3	52.83	-26.8	42.3	37.33	74	21.17	V
17877.9	52.72	-26.8	42.3	37.22	74	21.28	V
17923.5	52.71	-26.8	42.3	37.21	74	21.29	H

Measurement results for Set.2:
Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17854.8	42.45	-26.8	42.3	26.95	54	11.55	H
17959.9	42.42	-26.8	42.3	26.92	54	11.58	V
17958.9	42.4	-26.8	42.3	26.9	54	11.6	V
17928.9	42.38	-26.8	42.3	26.88	54	11.62	H
17950	42.27	-26.8	42.3	26.77	54	11.73	V
17971.8	42.24	-26.8	42.3	26.74	54	11.76	V

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17854.8	53.19	-26.8	42.3	37.69	74	20.81	H
17905.8	53.15	-26.8	42.3	37.65	74	20.85	V
17939.8	53.02	-26.8	42.3	37.52	74	20.98	H
17822.9	52.93	-26.8	42.3	37.43	74	21.07	V
17964.3	52.77	-26.8	42.3	37.27	74	21.23	H
17852.1	52.7	-26.8	42.3	37.2	74	21.3	H

Measurement results for Set.3:
USB Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
6054.1	49.01	-36.15	35.4	49.76	54	4.99	V
6053.8	47.73	-36.15	35.4	48.48	54	6.27	V
6054.4	44.84	-36.15	35.4	45.59	54	9.16	V
17945.9	42.8	-26.8	42.3	27.3	54	11.2	H
17940.8	42.54	-26.8	42.3	27.04	54	11.46	V
17957.2	42.54	-26.8	42.3	27.04	54	11.46	V

USB Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17992.5	52.98	-26.8	42.3	37.48	74	21.02	V
17845	52.97	-26.8	42.3	37.47	74	21.03	V
17845.3	52.97	-26.8	42.3	37.47	74	21.03	V
17971.4	52.83	-26.8	42.3	37.33	74	21.17	H
17977.6	52.82	-26.8	42.3	37.32	74	21.18	H
17427.1	52.74	-28.04	42.1	38.68	74	21.26	V

Measurement results for Set.2-1:
Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
7311.8	44.13	-35.13	37.5	41.76	54	9.87	V
7310.1	43.09	-35.13	37.5	40.72	54	10.91	V
17964.3	42.57	-26.8	42.3	27.07	54	11.43	V
7310.4	42.56	-35.13	37.5	40.19	54	11.44	V
7309.7	42.54	-35.13	37.5	40.17	54	11.46	V
17967	42.36	-26.8	42.3	26.86	54	11.64	H

Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17936.8	52.6	-26.8	42.3	37.1	74	21.4	V
17957.8	52.24	-26.8	42.3	36.74	74	21.76	V
17933.7	52.13	-26.8	42.3	36.63	74	21.87	H
17966.7	52.12	-26.8	42.3	36.62	74	21.88	H
17973.8	52.07	-26.8	42.3	36.57	74	21.93	H
17945.9	52	-26.8	42.3	36.5	74	22	V

Measurement results for Set.2-2:
USB Mode/Average detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
6053.8	46.93	-36.15	35.4	47.68	54	7.07	V
6053.4	45.42	-36.15	35.4	46.17	54	8.58	V
17962.6	42.52	-26.8	42.3	27.02	54	11.48	H
6054.1	42.25	-36.15	35.4	43	54	11.75	V
17974.2	42.12	-26.8	42.3	26.62	54	11.88	V
17956.1	42.09	-26.8	42.3	26.59	54	11.91	H

USB Mode/Peak detector

Frequency (MHz)	Measurement Result (dB μ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB μ V)	Limit (dB μ V/m)	Margin (dB)	Antenna Pol. (H/V)
17948.7	52.74	-26.8	42.3	37.24	74	21.26	H
17946.3	52.6	-26.8	42.3	37.1	74	21.4	V
17975.9	52.59	-26.8	42.3	37.09	74	21.41	V
17929.3	52.47	-26.8	42.3	36.97	74	21.53	V
17977.2	52.4	-26.8	42.3	36.9	74	21.6	V
17942.9	52.37	-26.8	42.3	36.87	74	21.63	H

Measurement results for Set.1:

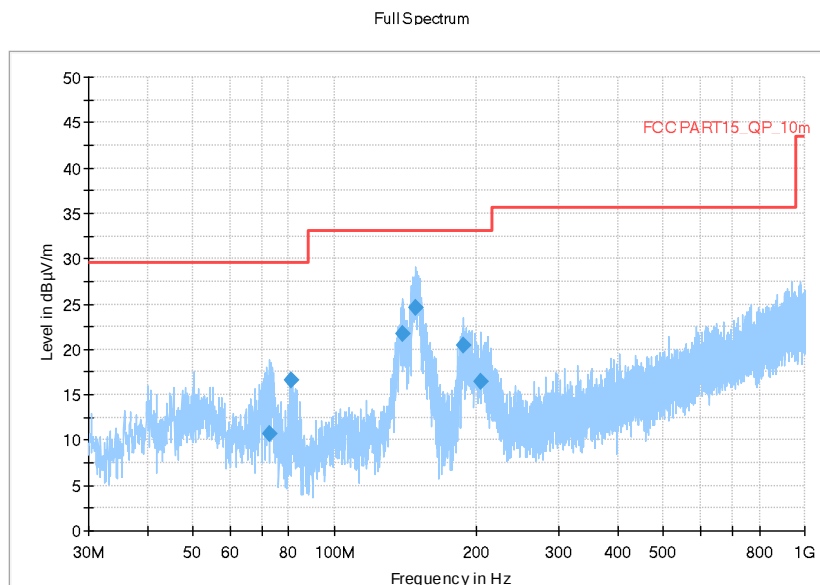


Fig A.1 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
72.728500	10.72	29.54	18.82	120.000	123.0	V	247.0
81.119000	16.58	29.54	12.96	120.000	175.0	V	270.0
139.513000	21.75	33.06	11.31	120.000	175.0	V	-30.0
149.116000	24.63	33.06	8.43	120.000	179.0	V	-11.0
187.867500	20.49	33.06	12.57	120.000	175.0	V	68.0
205.230500	16.42	33.06	16.64	120.000	175.0	V	68.0

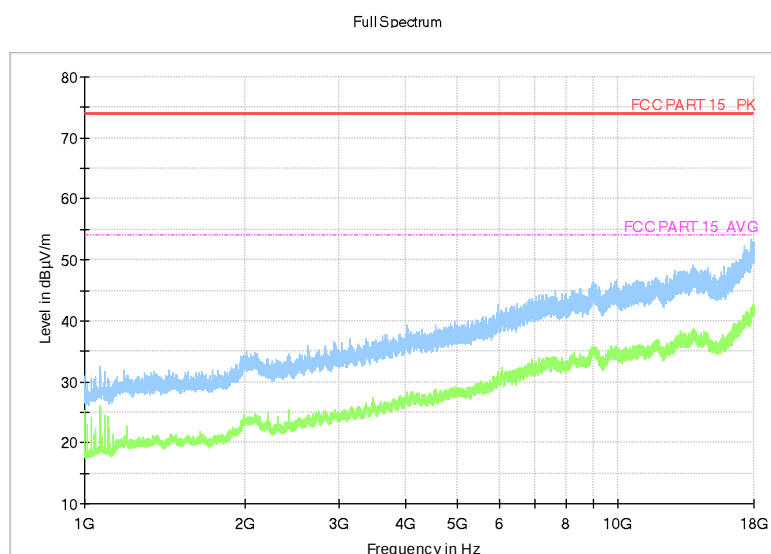


Fig A.2 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.2:

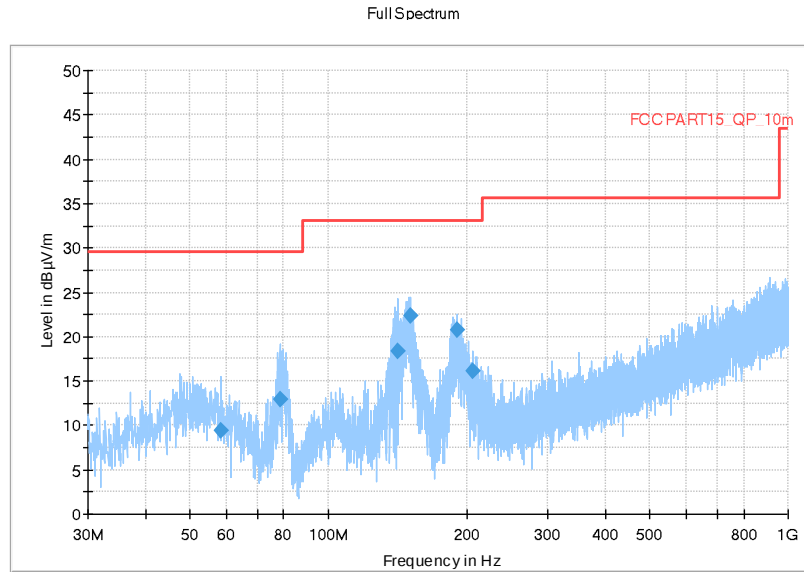


Fig A.3 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
58.469500	9.48	29.54	20.06	120.000	120.0	V	277.0
78.403000	12.95	29.54	16.59	120.000	125.0	V	256.0
141.162000	18.31	33.06	14.75	120.000	121.0	V	151.0
150.716500	22.30	33.06	10.76	120.000	199.0	V	151.0
190.001500	20.70	33.06	12.36	120.000	179.0	V	255.0
205.958000	16.10	33.06	16.96	120.000	101.0	V	67.0

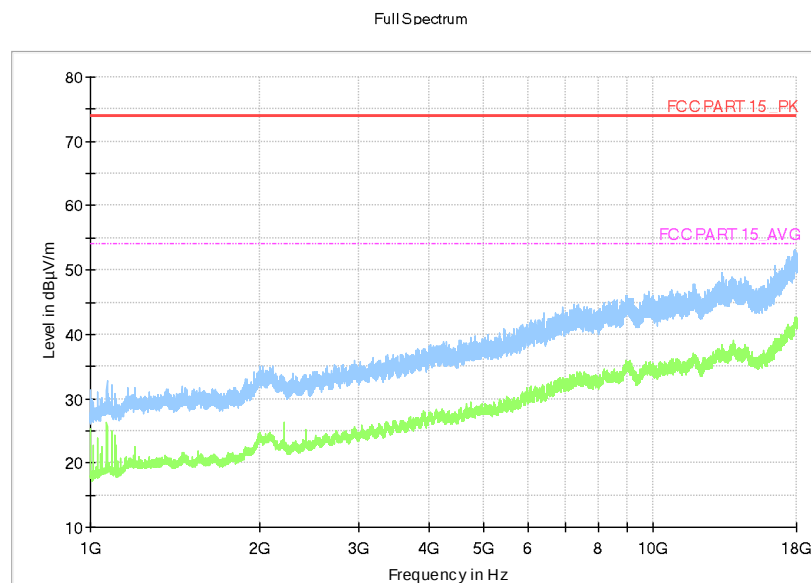


Fig A.4 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.3:

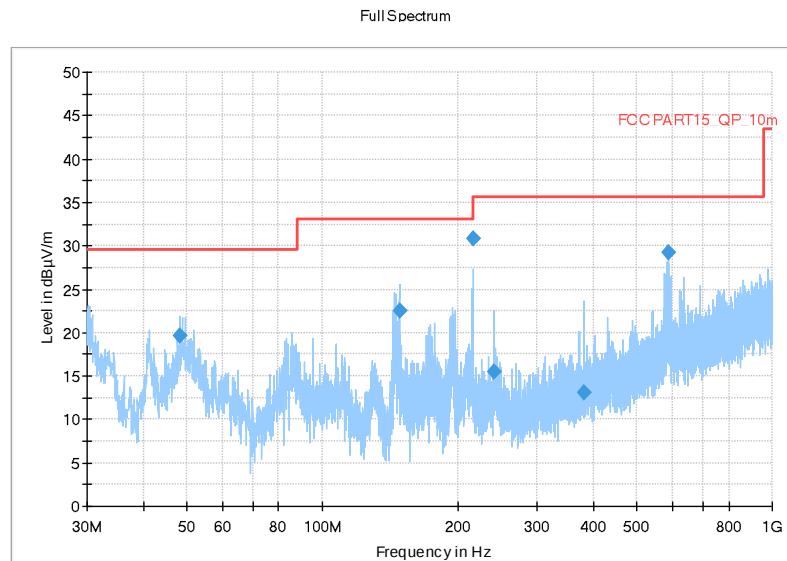


Fig A.5 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
48.333000	19.60	29.54	9.94	120.000	120.0	V	120.0
148.291500	22.45	33.06	10.61	120.000	125.0	V	-15.0
215.997500	30.83	33.06	2.23	120.000	109.0	V	45.0
240.975000	15.54	35.56	20.02	120.000	279.0	V	166.0
381.285500	13.16	35.56	22.40	120.000	101.0	V	113.0
586.634500	29.23	35.56	6.33	120.000	214.0	V	-30.0

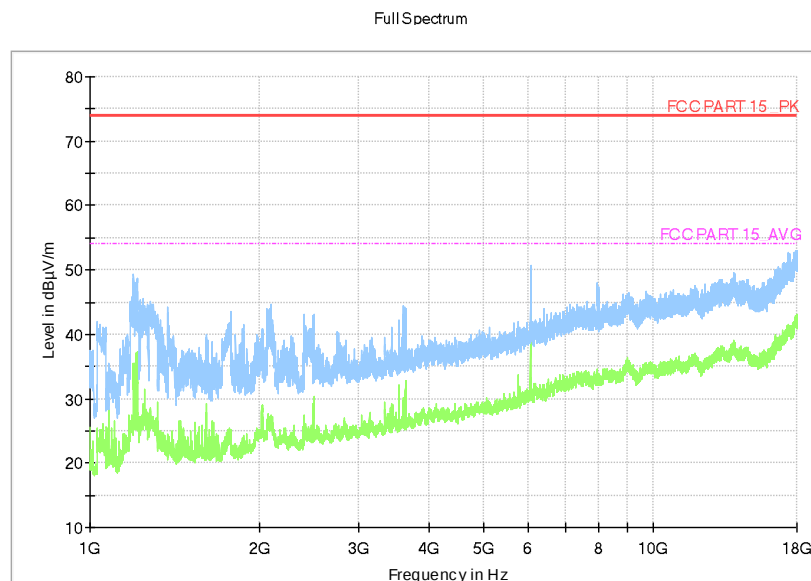


Fig A.6 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.2-1:

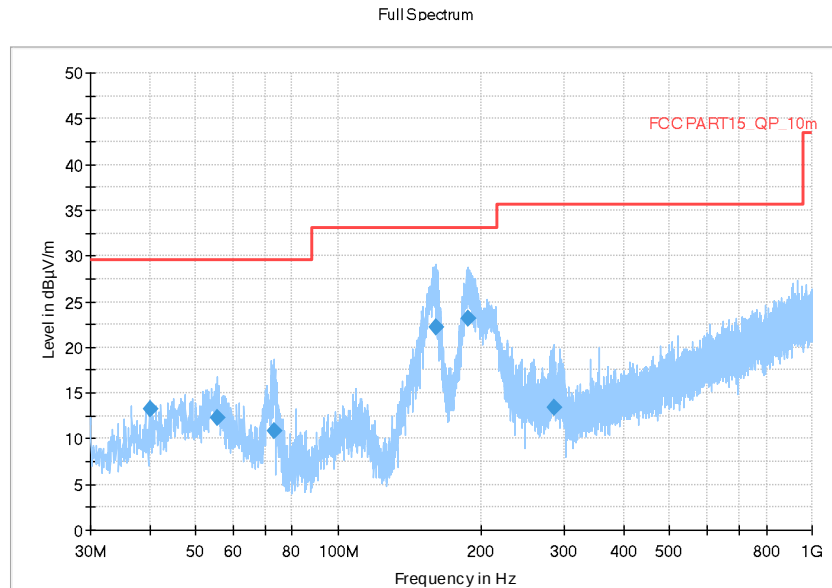


Fig A.7 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
39.991000	13.27	29.54	16.27	120.000	184.0	V	46.0
55.656500	12.26	29.54	17.28	120.000	191.0	V	-30.0
73.165000	10.86	29.54	18.68	120.000	125.0	V	-45.0
160.416500	22.14	33.06	10.92	120.000	100.0	V	-31.0
187.334000	23.13	33.06	9.93	120.000	114.0	V	60.0
284.916000	13.35	35.56	22.21	120.000	120.0	V	186.0

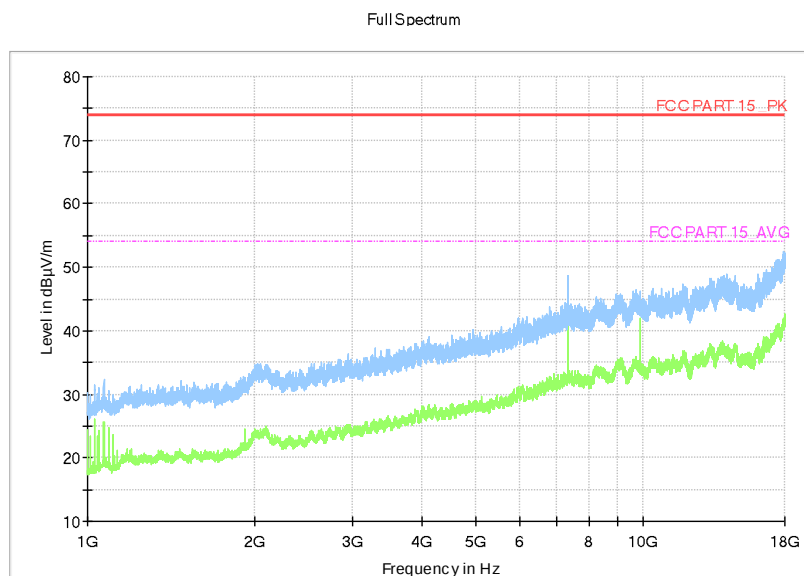


Fig A.8 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.2-2:

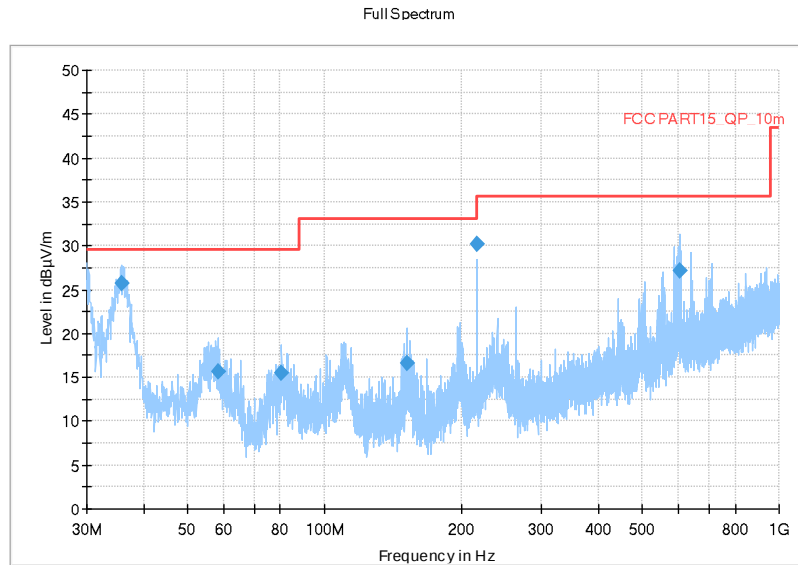


Fig A.9 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
35.723000	25.75	29.54	3.79	120.000	220.0	V	97.0
58.275500	15.72	29.54	13.82	120.000	298.0	V	137.0
80.537000	15.47	29.54	14.07	120.000	182.0	V	144.0
151.686500	16.61	33.06	16.45	120.000	125.0	V	172.0
215.997500	30.26	33.06	2.80	120.000	175.0	V	136.0
605.792000	27.19	35.56	8.37	120.000	190.0	V	-2.0

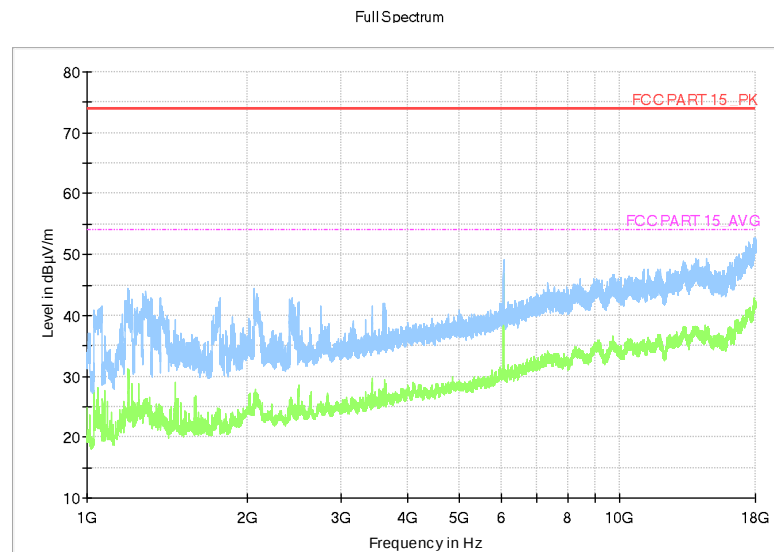


Fig A.10 Radiated Emission from 1GHz to 18GHz

A.2 Conducted Emission

Reference

FCC: CFR Part 15.107(a).

A.2.1 Method of measurement

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 7.3.

A.2.2 EUT Operating Mode

The MS is operating in the USB mode and charging mode. During the test MS is connected to a PC via a USB cable in the case of USB mode and is connected to a charger in the case of charging mode. The model of the PC is DELL M4000E-17, and the serial number of the PC is M706GWXD. The software is used to let the PC keep on copying data to MS, reading and erasing the data after copy action was finished.

Note: I/O information: Printer – USB, Mouse – PS/2, Keyboard – USB.

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency		

A.2.4 Test Condition in charging mode

Voltage (V)	Frequency (Hz)
120	60

RBW/IF bandwidth	Sweep Time(s)
9kHz	1

A.2.5 Measurement Results

Measurement uncertainty: $U = 3.08 \text{ dB}$, $k=2$.

Charging Mode, Set.1:

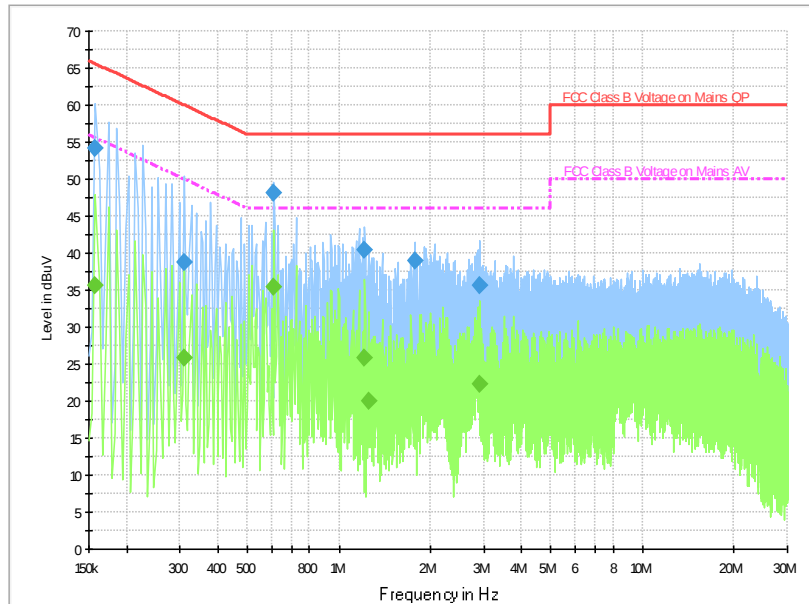


Fig A.11 Conducted Emission from 150kHz to 30MHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.158000	54.3	2000.0	9.000	On	L1	19.9	11.3	65.6	
0.310000	38.8	2000.0	9.000	On	L1	19.9	21.2	60.0	
0.610000	48.1	2000.0	9.000	On	L1	20.0	7.9	56.0	
1.218000	40.4	2000.0	9.000	On	L1	19.9	15.6	56.0	
1.782000	39.0	2000.0	9.000	On	L1	19.8	17.0	56.0	
2.910000	35.6	2000.0	9.000	On	L1	19.8	20.4	56.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.158000	35.7	2000.0	9.000	On	L1	19.9	19.9	55.6	
0.310000	25.8	2000.0	9.000	On	L1	19.9	24.1	50.0	
0.610000	35.4	2000.0	9.000	On	L1	20.0	10.6	46.0	
1.218000	25.7	2000.0	9.000	On	L1	19.9	20.3	46.0	
1.250000	19.9	2000.0	9.000	On	N	19.7	26.1	46.0	
2.910000	22.3	2000.0	9.000	On	L1	19.8	23.7	46.0	

Charging Mode, Set.2:

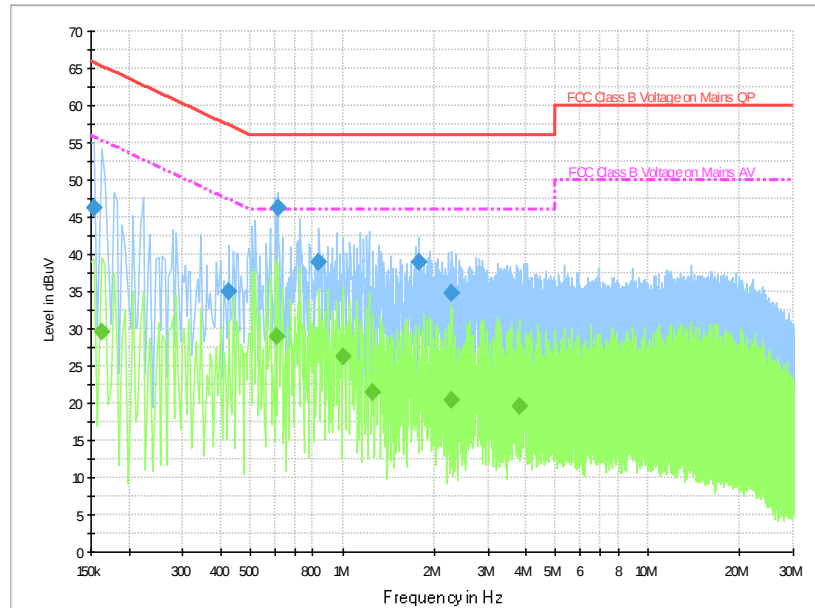


Fig A.12 Conducted Emission from 150kHz to 30MHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.154000	46.3	2000.0	9.000	On	N	20.0	19.5	65.8	
0.426000	35.1	2000.0	9.000	On	L1	20.0	22.2	57.3	
0.614000	46.2	2000.0	9.000	On	L1	20.0	9.8	56.0	
0.838000	39.0	2000.0	9.000	On	L1	19.9	17.0	56.0	
1.786000	39.0	2000.0	9.000	On	L1	19.8	17.0	56.0	
2.286000	34.7	2000.0	9.000	On	N	19.6	21.3	56.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.162000	29.6	2000.0	9.000	On	L1	19.9	25.7	55.4	
0.606000	29.0	2000.0	9.000	On	N	19.9	17.0	46.0	
1.002000	26.2	2000.0	9.000	On	L1	19.9	19.8	46.0	
1.258000	21.5	2000.0	9.000	On	N	19.7	24.5	46.0	
2.262000	20.4	2000.0	9.000	On	N	19.6	25.6	46.0	
3.810000	19.7	2000.0	9.000	On	N	19.6	26.3	46.0	

USB Mode, Set.3:

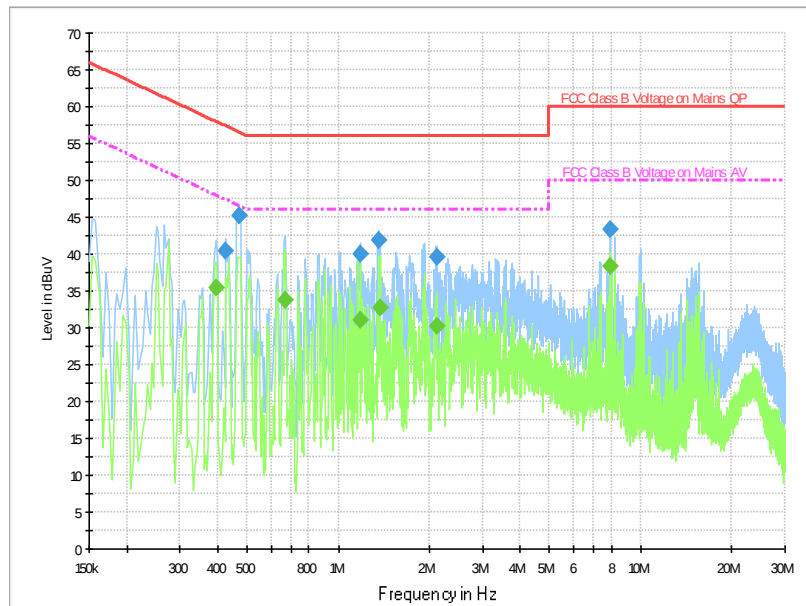


Fig A.13 Conducted Emission from 150kHz to 30MHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.426000	40.5	2000.0	9.000	On	L1	20.0	16.8	57.3	
0.470000	45.2	2000.0	9.000	On	L1	20.0	11.3	56.5	
1.182000	39.9	2000.0	9.000	On	L1	19.9	16.1	56.0	
1.358000	42.0	2000.0	9.000	On	L1	19.9	14.0	56.0	
2.122000	39.5	2000.0	9.000	On	N	19.6	16.5	56.0	
7.922000	43.4	2000.0	9.000	On	L1	19.9	16.6	60.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.394000	35.5	2000.0	9.000	On	L1	20.0	12.5	48.0	
0.670000	33.8	2000.0	9.000	On	N	19.8	12.2	46.0	
1.182000	30.9	2000.0	9.000	On	L1	19.9	15.1	46.0	
1.374000	32.8	2000.0	9.000	On	N	19.7	13.2	46.0	
2.122000	30.3	2000.0	9.000	On	N	19.6	15.7	46.0	
7.926000	38.4	2000.0	9.000	On	L1	19.9	11.6	50.0	

Charging Mode, Set.2-1:

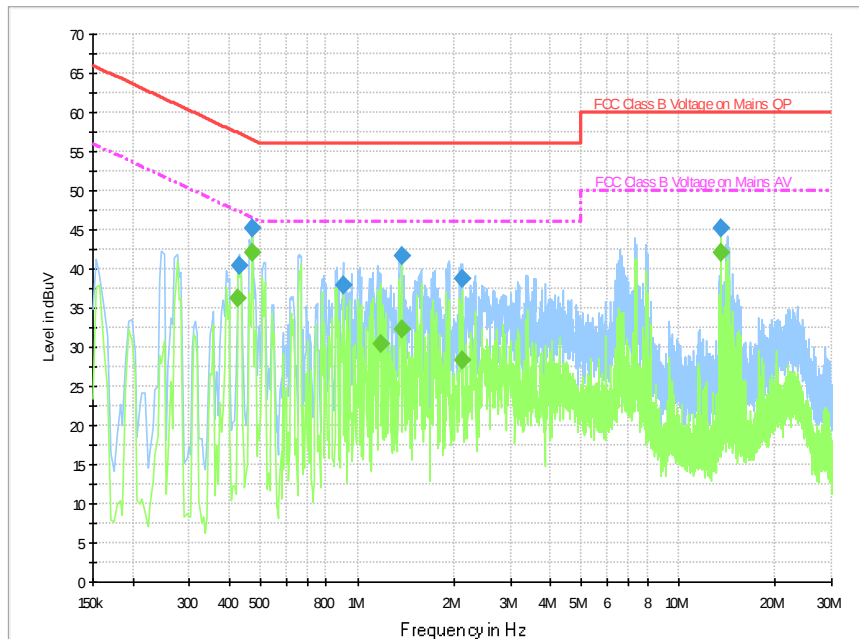


Fig A.14 Conducted Emission from 150kHz to 30MHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.430000	40.5	2000.0	9.000	On	L1	20.0	16.8	57.3	
0.470000	45.3	2000.0	9.000	On	L1	20.0	11.2	56.5	
0.902000	37.9	2000.0	9.000	On	L1	19.9	18.1	56.0	
1.378000	41.6	2000.0	9.000	On	L1	19.9	14.4	56.0	
2.122000	38.8	2000.0	9.000	On	L1	19.8	17.2	56.0	
13.558000	45.2	2000.0	9.000	On	L1	20.0	14.8	60.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.426000	36.2	2000.0	9.000	On	L1	20.0	11.2	47.3	
0.470000	42.2	2000.0	9.000	On	L1	20.0	4.3	46.5	
1.178000	30.4	2000.0	9.000	On	N	19.7	15.6	46.0	
1.378000	32.2	2000.0	9.000	On	L1	19.9	13.8	46.0	
2.122000	28.3	2000.0	9.000	On	L1	19.8	17.7	46.0	
13.558000	42.1	2000.0	9.000	On	L1	20.0	7.9	50.0	

USB Mode, Set.2-2:

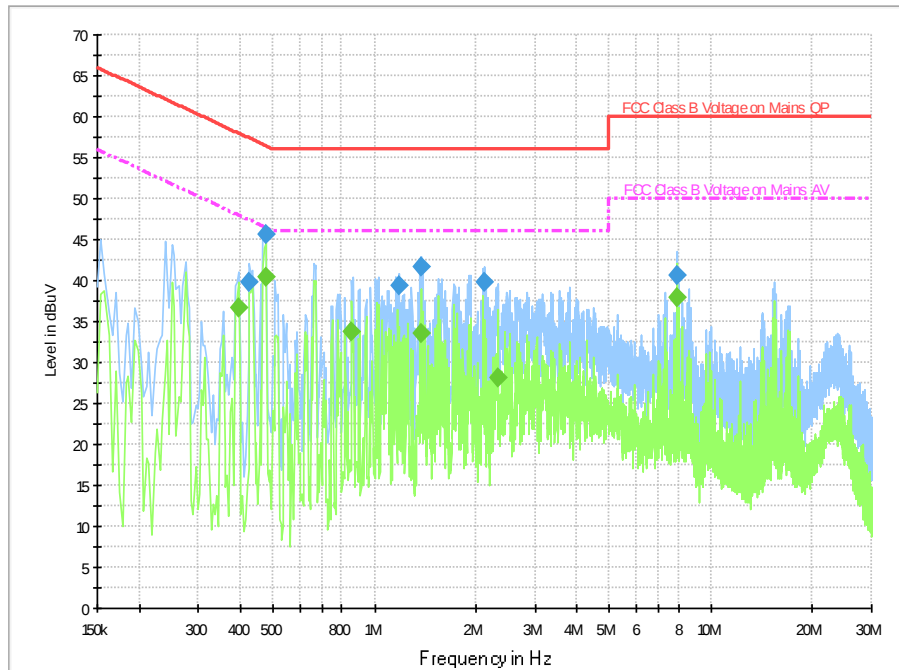


Fig A.15 Conducted Emission from 150kHz to 30MHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.426000	39.8	2000.0	9.000	On	L1	20.0	17.6	57.3	
0.474000	45.5	2000.0	9.000	On	L1	20.0	10.9	56.4	
1.182000	39.4	2000.0	9.000	On	L1	19.9	16.6	56.0	
1.374000	41.7	2000.0	9.000	On	L1	19.9	14.3	56.0	
2.126000	39.8	2000.0	9.000	On	L1	19.8	16.2	56.0	
7.922000	40.7	2000.0	9.000	On	N	19.7	19.3	60.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.394000	36.7	2000.0	9.000	On	L1	20.0	11.3	48.0	
0.474000	40.5	2000.0	9.000	On	N	19.9	6.0	46.4	
0.858000	33.8	2000.0	9.000	On	N	19.8	12.2	46.0	
1.374000	33.5	2000.0	9.000	On	L1	19.9	12.5	46.0	
2.330000	28.2	2000.0	9.000	On	N	19.6	17.8	46.0	
7.922000	38.0	2000.0	9.000	On	N	19.7	12.0	50.0	

END OF REPORT