



FCC PART 15B TEST REPORT

No. 24T04Z102302-011

for

TCL Communication Ltd.

GSM/UMTS/LTE mobile phone

T509A

FCC ID: 2ACCJB228

with

Hardware Version: 05

Software Version: BLC4

Issued Date: 2024-11-04

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
24T04Z102302-011	Rev.0	1 st edition	2024-11-04

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

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1. Test Laboratory

1.1. Testing Location

CTTL (huayuan North Road)

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

1.2. Testing Environment

Normal Temperature: 15-35°C

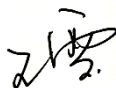
Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2024-10-22

Testing End Date: 2024-11-04

1.4. 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

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2.2. Manufacturer Information

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Park, Shatin, NT, Hong Kong
City: Hong Kong
Postal Code: /
Country: China
Contact Person: Ting Wang
Contact Email: ting.wang.hz@tcl.com
Telephone: +86 752 2639091
Fax: 0086-755-36612000-81722

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

3.1. About EUT

Description	GSM/UMTS/LTE mobile phone
Model Name	T509A
FCC ID:	2ACCJB228

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
UT06a	359735331410371/ 359735331410389	05	BLC4

*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	Remark
AE1-1	Battery1	TLp049B8	HuiZhou GanFeng LiEnergy Battery Technology Co., Ltd.	/
AE1-2	Battery1	TLp049BB	Shenzhen Aerospace Electronic Co.,Ltd.	/
AE2-1	Charger1	UT-681A-5200ZCY	ShenZhen BaiJunDa Electronic Co.,Ltd	/
AE3-1	Charger2	UT-681A-5200MY	ShenZhen BaiJunDa Electronic Co.,Ltd	/
AE2-2	Charger3	UT-681E-5200ZCY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE2-3	Charger4	UT-681B-5200ZCY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE2-4	Charger5	UT-580S-5200ZY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE2-5	Charger6	UT-580T-5200ZY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE3-2	Charger7	UT-681E-5200MY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE3-3	Charger8	UT-681B-5200MY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE3-4	Charger9	UT-680S-5200MY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE3-5	Charger10	UT-681Z-5200MY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE3-6	Charger11	UT-680T-5200MY	ShenZhen BaiJunDa Electronic Co.,Ltd	Require no test
AE4-1	USB Cable1	JWUB1686-M01R	Huizhou Juwei Electronics Co.,Ltd	/
AE4-1	USB Cable2	FKY-23-367	Qiyang Fukangyuan Electronic Technology Co., Ltd.	/
AE5	Headset	JWEP1295-M01R	Huizhou Juwei Electronics 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	UT06a + AE1-1/1-2 +AE2-1+AE4-1	Charger1/2+F Camera + GSM850idle
Set.2	UT06a + AE1-1/1-2 +AE3-1+AE5-1	Charger1/2 + R Camera + WCDMA B5 idle
Set.3	UT06a + AE1-1/1-2+AE4-1/5-1+PC	USB+LTE B5 idle+FM

Set.4 UT06a + EUT + Cable

OTG

Note:

Equipment Under Test (EUT) is a model of GSM/UMTS/LTE mobile phone.

It supports

GSM Band 850/900/1800/1900

UMTS Band FDD Band I(W2100) /FDD Band II(W1900) /FDD Band IV(W1700)/FDD
V(W850) /FDD VIII(W900)

LTE Band FDD Bands 1/2/3/4/5/7/8/12/13/17/26/28/66, TDD Bands 38/40/41

It has MP3, Camera, USB memory, Bluetooth 5.1, Wi-Fi (802.11a/b/g/n/ac, 802.11n supports 20MHz and 40MHz bandwidth, 802.11ac supports 20MHz, 40MHz and 80MHz bandwidth) and GNSS function.

The device contains receivers which tune and operate between 30MHz-960MHz in the following mode: GSM 850, WCDMA850, LTE Band 5/12/13/26, FM. All licensed band receivers that tune in the range of 30MHz-960MHz are investigated. Only the worst-case emissions are reported.

Both two chargers were tested, only the worst cases were 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	2019
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	2025-07-30	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	Signal Generator	SMBV100A	260613	R&S	2025-01-18	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:

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

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)
17957.800	43.86	-27.36	42.33	28.90	54.00	10.14	H
17932.700	43.84	-27.36	42.33	28.88	54.00	10.16	H
17943.600	43.82	-27.36	42.33	28.86	54.00	10.18	V
17904.100	43.72	-27.36	42.33	28.76	54.00	10.28	V
17992.900	43.69	-27.36	42.33	28.73	54.00	10.31	V
17985.400	43.59	-27.36	42.33	28.63	54.00	10.41	V

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)
17879.000	54.56	-27.36	42.33	39.60	74.00	19.44	H
17947.600	54.55	-27.36	42.33	39.59	74.00	19.45	V
17968.700	54.22	-27.36	42.33	39.26	74.00	19.78	V
17973.800	54.18	-27.36	42.33	39.22	74.00	19.82	H
17880.000	54.11	-27.36	42.33	39.15	74.00	19.89	V
17953.100	54.02	-27.36	42.33	39.06	74.00	19.98	V

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)
17966.700	44.31	-27.36	42.33	29.35	54.00	9.69	H
17944.900	44.30	-27.36	42.33	29.34	54.00	9.70	V
17932.300	44.09	-27.36	42.33	29.13	54.00	9.91	H
17949.000	44.05	-27.36	42.33	29.09	54.00	9.95	H
17957.800	44.02	-27.36	42.33	29.06	54.00	9.98	H
17918.100	43.90	-27.36	42.33	28.94	54.00	10.10	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)
17965.700	55.28	-27.36	42.33	40.32	74.00	18.72	H
17982.000	55.04	-27.36	42.33	40.08	74.00	18.96	H
17927.600	54.77	-27.36	42.33	39.81	74.00	19.23	H
17948.000	54.68	-27.36	42.33	39.72	74.00	19.32	V
17959.200	54.68	-27.36	42.33	39.72	74.00	19.32	V
17944.900	54.66	-27.36	42.33	39.70	74.00	19.34	V

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)
6052.700	44.93	-36.54	35.31	46.16	54.00	9.07	V
6052.400	44.74	-36.54	35.31	45.97	54.00	9.26	V
17957.200	44.20	-27.36	42.33	29.24	54.00	9.80	V
17910.200	43.81	-27.36	42.33	28.85	54.00	10.19	V
17959.900	43.69	-27.36	42.33	28.73	54.00	10.31	H
17938.100	43.66	-27.36	42.33	28.70	54.00	10.34	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)
17904.800	54.65	-27.36	42.33	39.69	74.00	19.35	V
17930.300	54.58	-27.36	42.33	39.62	74.00	19.42	V
17953.400	54.41	-27.36	42.33	39.45	74.00	19.59	H
17943.600	54.37	-27.36	42.33	39.41	74.00	19.63	V
17969.100	54.29	-27.36	42.33	39.33	74.00	19.71	H
17923.200	54.23	-27.36	42.33	39.27	74.00	19.77	V

Measurement results for Set.4:
OTG 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)
17974.200	43.99	-27.36	42.33	29.03	54.00	10.01	H
17943.600	43.98	-27.36	42.33	29.02	54.00	10.02	V
17959.500	43.86	-27.36	42.33	28.90	54.00	10.14	H
17950.700	43.58	-27.36	42.33	28.62	54.00	10.42	V
17892.200	43.55	-27.36	42.33	28.59	54.00	10.45	H
17940.500	43.53	-27.36	42.33	28.57	54.00	10.47	V

OTG 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)
17956.500	54.71	-27.36	42.33	39.75	74.00	19.29	H
17951.400	54.60	-27.36	42.33	39.64	74.00	19.40	H
17952.700	54.55	-27.36	42.33	39.59	74.00	19.45	V
17837.800	54.43	-27.36	42.33	39.47	74.00	19.57	V
17944.900	54.08	-27.36	42.33	39.12	74.00	19.92	V
17567.500	54.06	-28.21	42.24	40.03	74.00	19.94	H

Measurement results for Set.1:

FullSpectrum

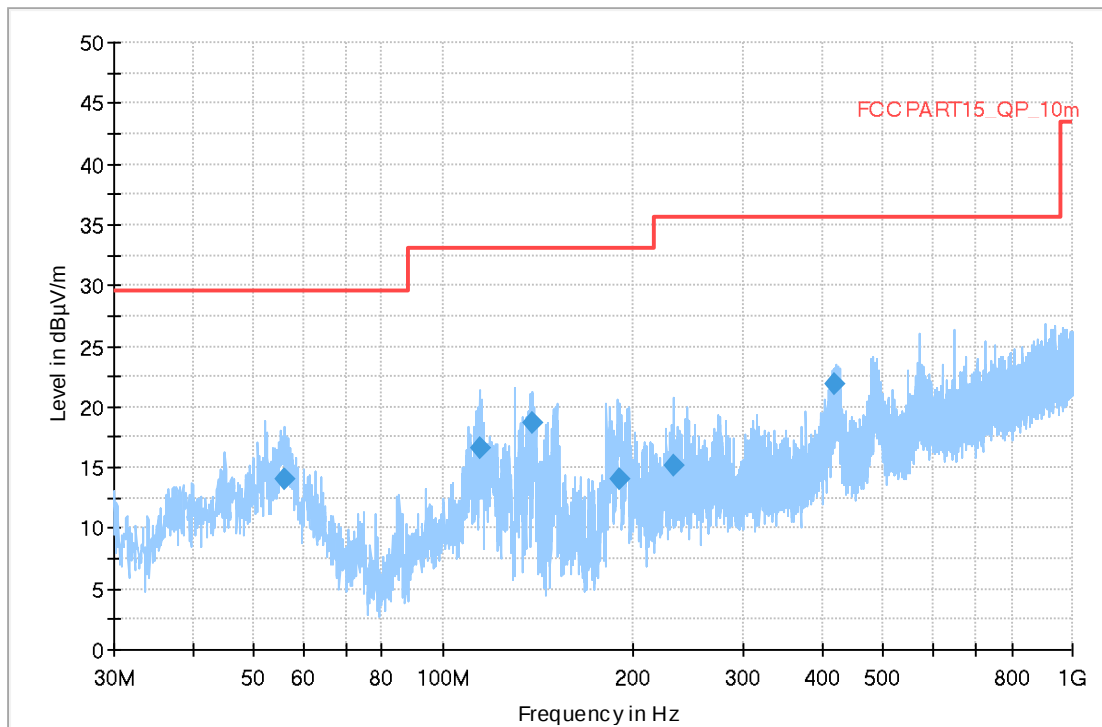


Fig A.1 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
55.850500	13.99	29.54	15.55	120.000	176.0	V	31.0
114.050500	16.68	33.06	16.38	120.000	100.0	V	-29.0
138.591500	18.66	33.06	14.40	120.000	175.0	V	-44.0
190.680500	14.10	33.06	18.96	120.000	125.0	V	53.0
231.760000	15.23	35.56	20.33	120.000	123.0	V	135.0
419.503500	21.87	35.56	13.69	120.000	299.0	H	60.0

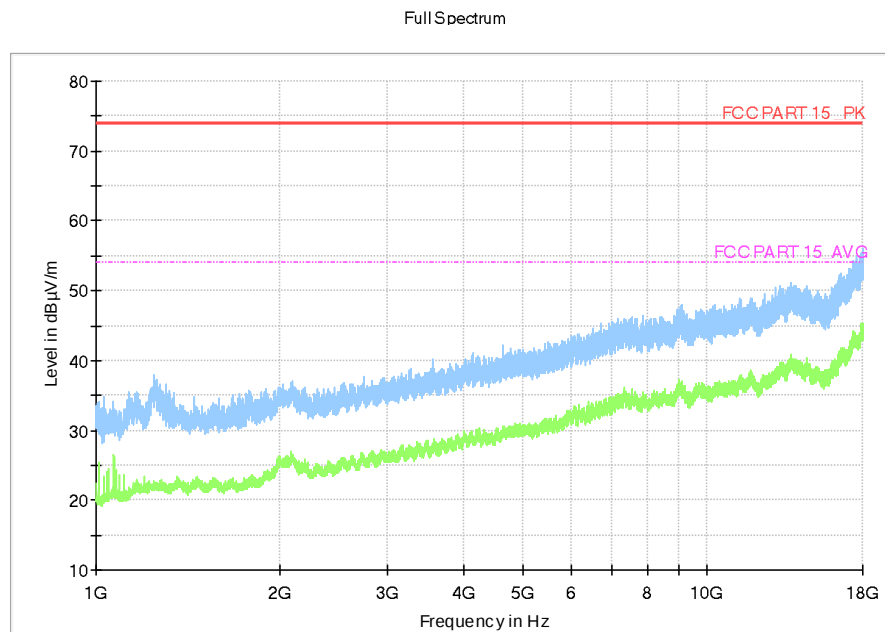


Fig A.2 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.2:

FullSpectrum

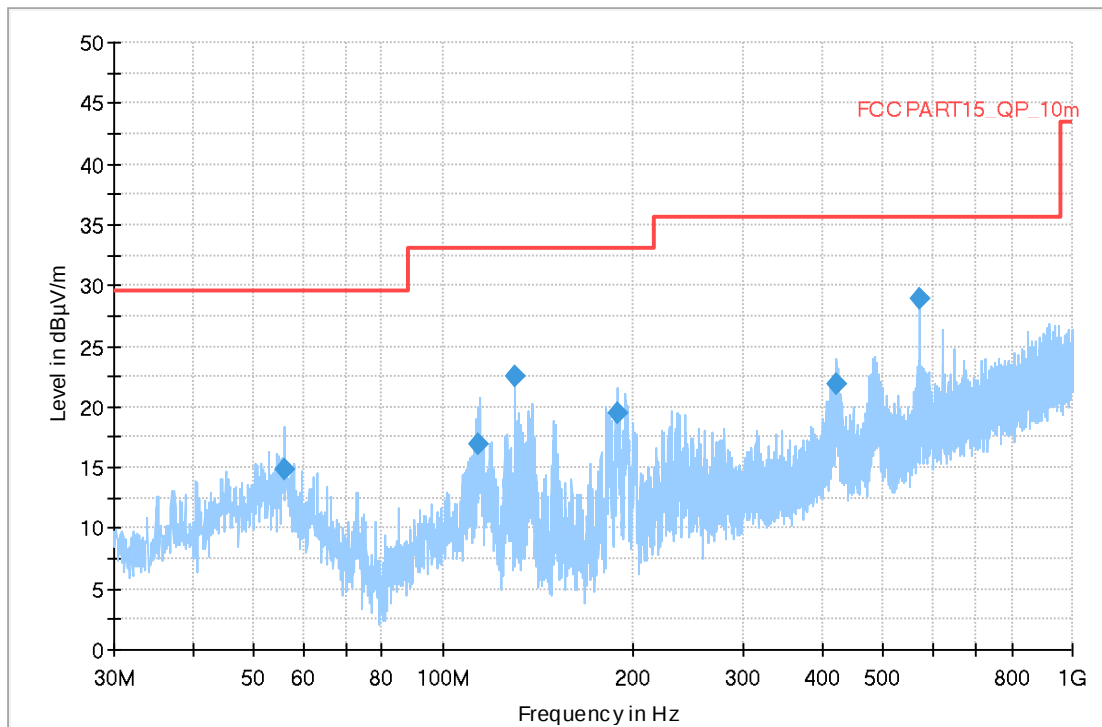


Fig A.3 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
55.947500	14.86	29.54	14.68	120.000	325.0	V	233.0
113.420000	16.98	33.06	16.08	120.000	100.0	V	1.0
130.007000	22.57	33.06	10.49	120.000	104.0	V	155.0
189.613500	19.52	33.06	13.54	120.000	125.0	V	68.0
421.007000	21.91	35.56	13.65	120.000	276.0	H	60.0
571.987500	28.90	35.56	6.66	120.000	176.0	H	270.0

Full Spectrum

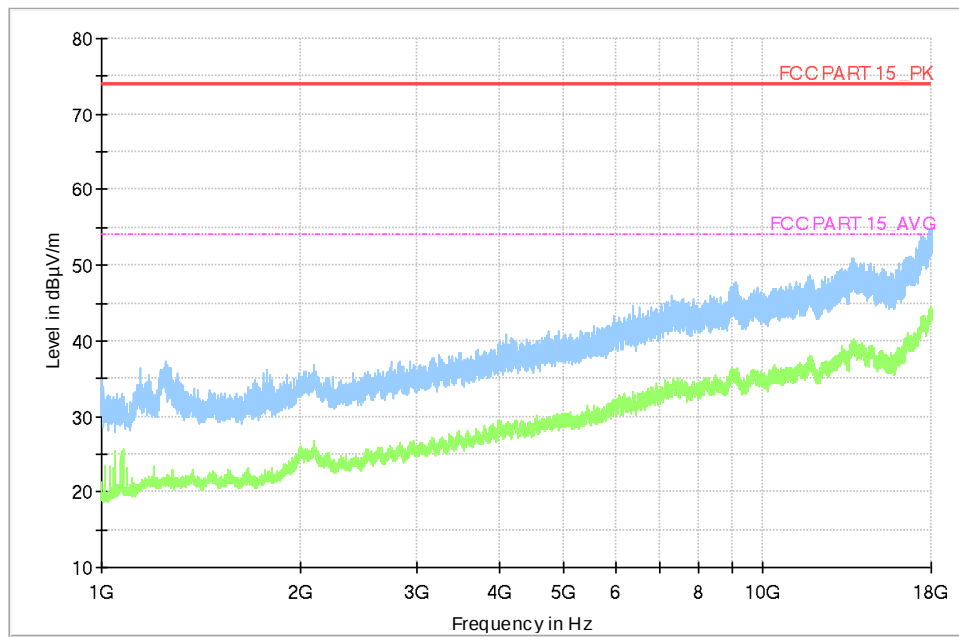


Fig A.4 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.3:

FullSpectrum

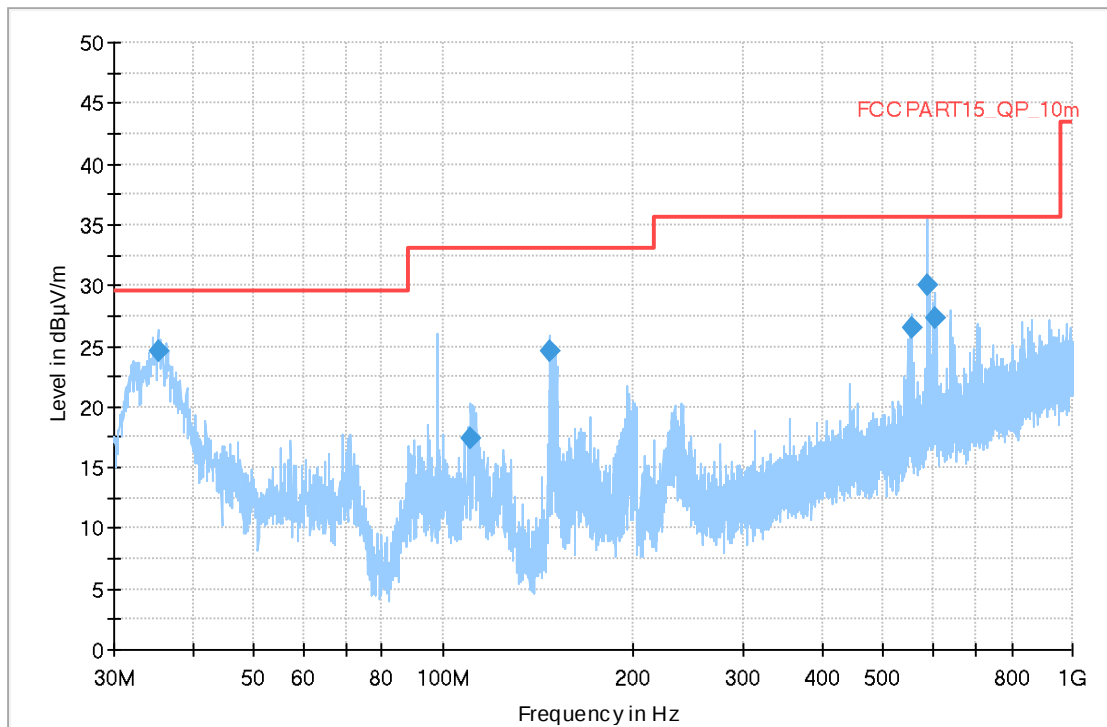


Fig A.5 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
35.189500	24.60	29.54	4.94	120.000	120.0	V	45.0
110.752500	17.49	33.06	15.57	120.000	100.0	V	301.0
147.418500	24.59	33.06	8.47	120.000	179.0	V	297.0
556.031000	26.52	35.56	9.04	120.000	275.0	V	278.0
589.156500	30.06	35.56	5.50	120.000	225.0	V	278.0
603.561000	27.39	35.56	8.17	120.000	191.0	V	278.0

Full Spectrum

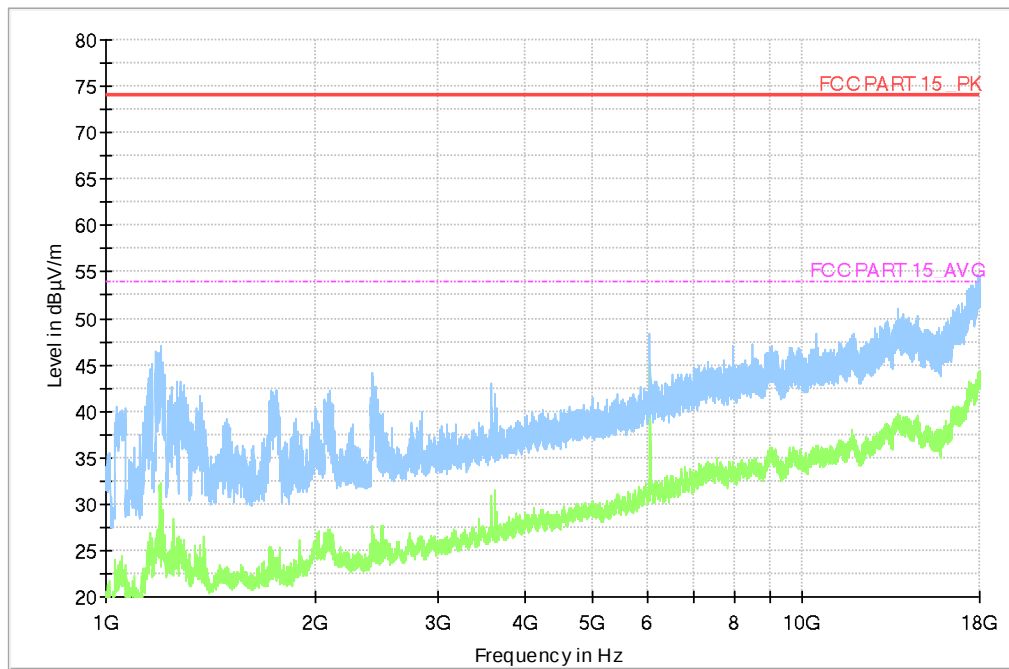


Fig A.6 Radiated Emission from 1GHz to 18GHz

Measurement results for Set.4:

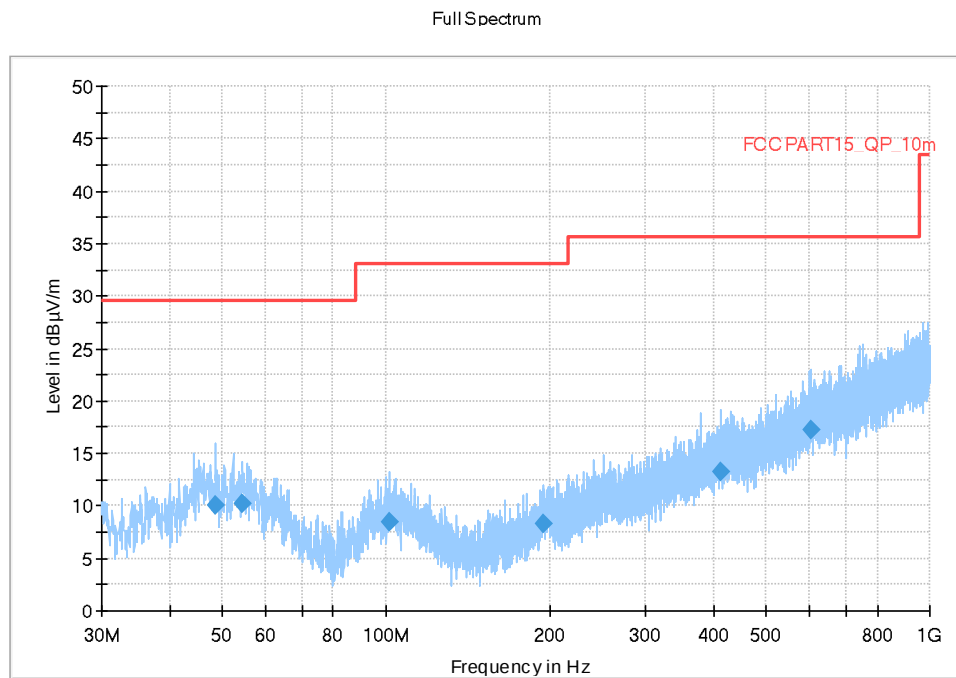


Fig A.7 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
48.575500	10.07	29.54	19.47	120.000	125.0	H	301.0
54.444000	10.23	29.54	19.31	120.000	101.0	H	225.0
101.392000	8.54	33.06	24.52	120.000	325.0	H	315.0
195.142500	8.29	33.06	24.77	120.000	123.0	V	135.0
412.325500	13.23	35.56	22.33	120.000	100.0	H	-15.0
604.919000	17.19	35.56	18.37	120.000	299.0	V	135.0

Full Spectrum

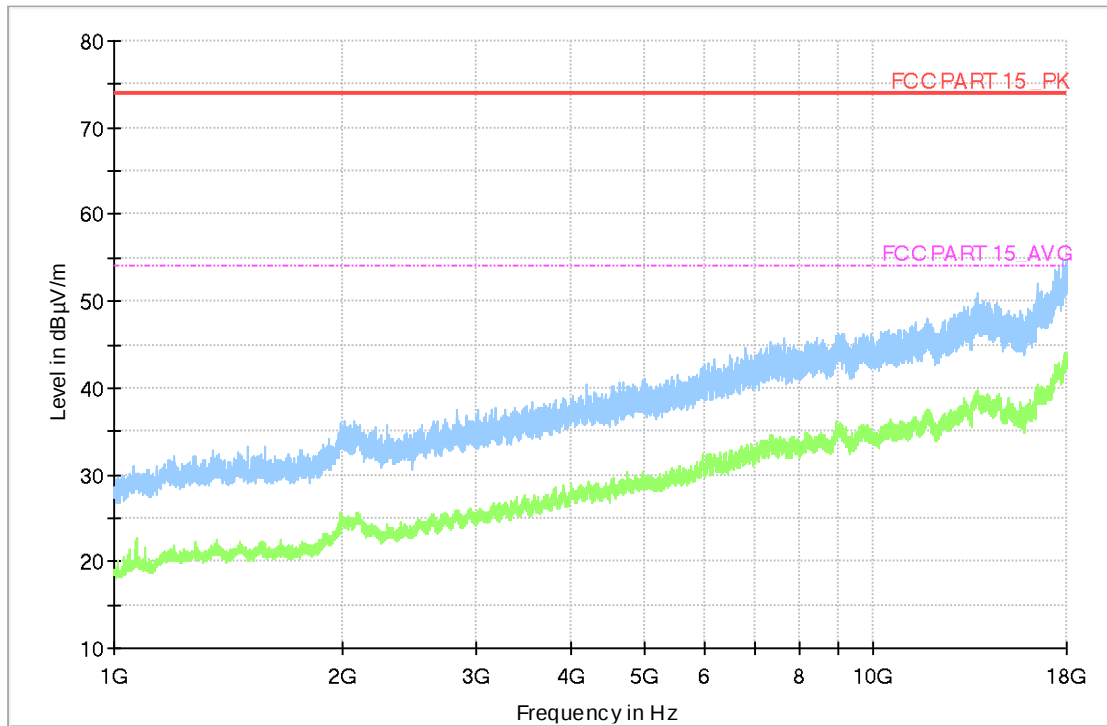


Fig A.8 Radiated Emission from 1GHz to 18GHz

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:

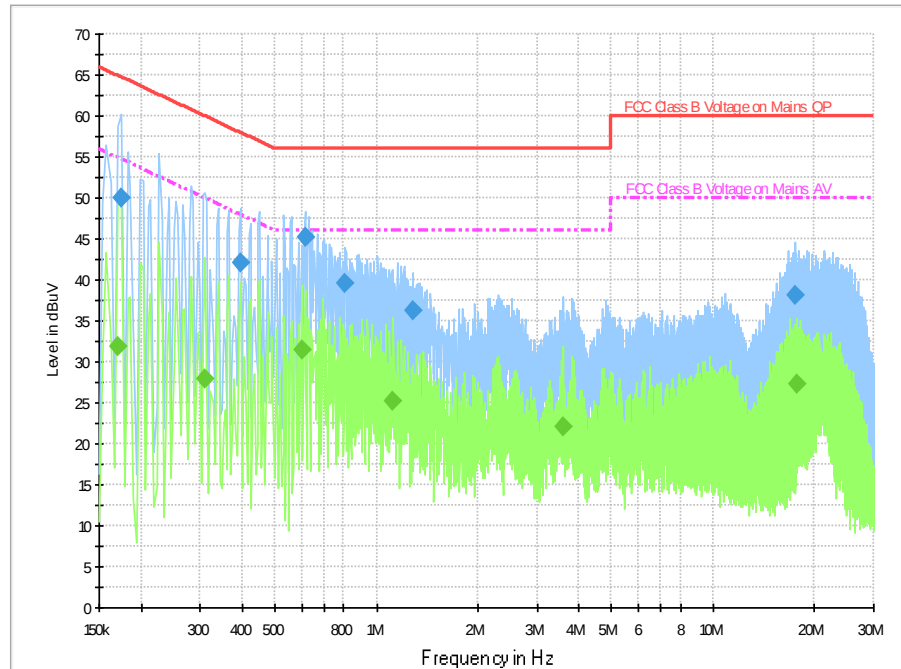


Fig A.9 Conducted Emission from 150kHz to 30MHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.174000	49.9	2000.0	9.000	On	L1	19.9	14.8	64.8	
0.394000	42.1	2000.0	9.000	On	L1	20.0	15.8	58.0	
0.614000	45.2	2000.0	9.000	On	L1	20.0	10.8	56.0	
0.806000	39.6	2000.0	9.000	On	L1	19.9	16.4	56.0	
1.286000	36.3	2000.0	9.000	On	N	19.7	19.7	56.0	
17.606000	38.1	2000.0	9.000	On	L1	20.0	21.9	60.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.170000	31.8	2000.0	9.000	On	N	19.8	23.1	55.0	
0.310000	27.9	2000.0	9.000	On	L1	19.9	22.1	50.0	
0.598000	31.4	2000.0	9.000	On	L1	20.0	14.6	46.0	
1.122000	25.3	2000.0	9.000	On	N	19.7	20.7	46.0	
3.586000	22.0	2000.0	9.000	On	L1	19.8	24.0	46.0	
17.646000	27.4	2000.0	9.000	On	L1	20.0	22.6	50.0	

Charging Mode, Set.2:

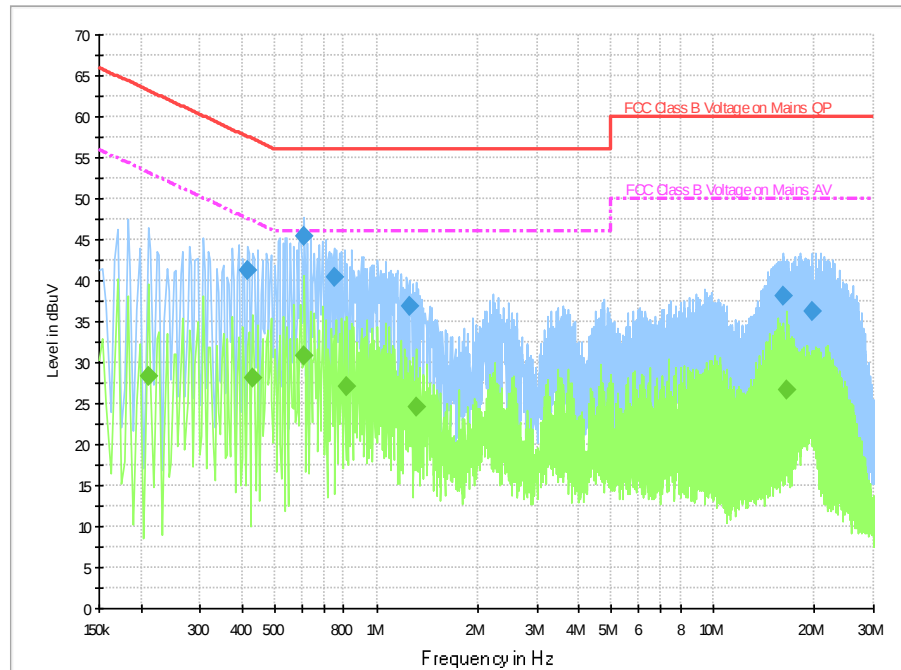


Fig A.10 Conducted Emission from 150kHz to 30MHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.414000	41.2	2000.0	9.000	On	L1	20.0	16.4	57.6	
0.610000	45.4	2000.0	9.000	On	L1	20.0	10.6	56.0	
0.750000	40.5	2000.0	9.000	On	N	19.8	15.5	56.0	
1.258000	36.8	2000.0	9.000	On	N	19.7	19.2	56.0	
16.182000	38.1	2000.0	9.000	On	L1	20.0	21.9	60.0	
19.742000	36.3	2000.0	9.000	On	L1	20.0	23.7	60.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.210000	28.4	2000.0	9.000	On	L1	19.8	24.8	53.2	
0.430000	28.2	2000.0	9.000	On	L1	20.0	19.0	47.3	
0.610000	30.9	2000.0	9.000	On	L1	20.0	15.1	46.0	
0.818000	27.0	2000.0	9.000	On	N	19.8	19.0	46.0	
1.314000	24.6	2000.0	9.000	On	N	19.7	21.4	46.0	
16.478000	26.8	2000.0	9.000	On	L1	20.0	23.2	50.0	

USB Mode, Set.3:

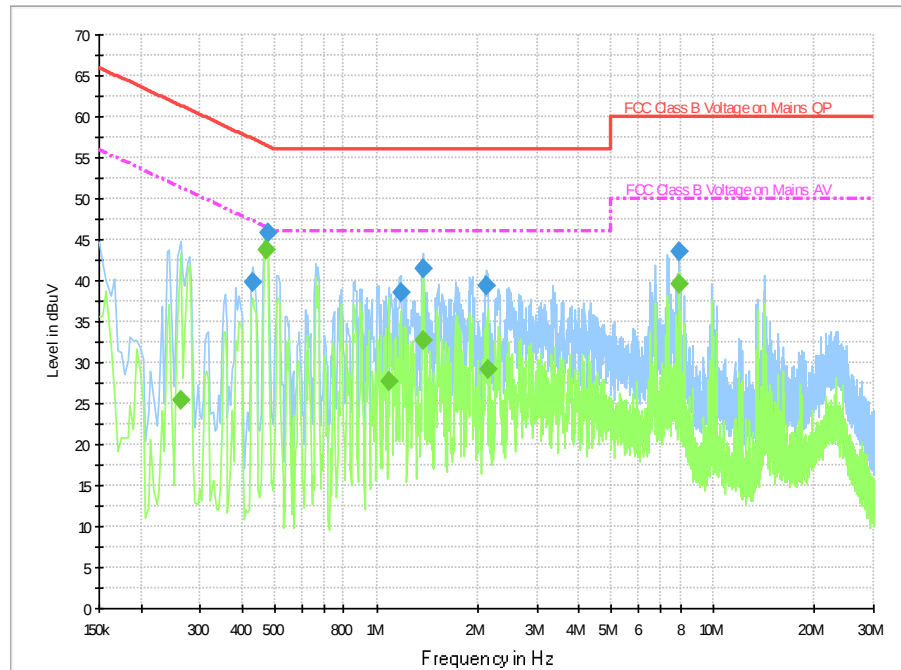


Fig A.11 Conducted Emission from 150kHz to 30MHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.430000	39.9	2000.0	9.000	On	L1	20.0	17.4	57.3	
0.474000	45.9	2000.0	9.000	On	L1	20.0	10.6	56.4	
1.186000	38.5	2000.0	9.000	On	L1	19.9	17.5	56.0	
1.382000	41.4	2000.0	9.000	On	L1	19.9	14.6	56.0	
2.126000	39.3	2000.0	9.000	On	N	19.6	16.7	56.0	
7.922000	43.6	2000.0	9.000	On	N	19.7	16.4	60.0	

Final Result 2

Frequency (MHz)	Average (dBuV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.262000	25.4	2000.0	9.000	On	L1	19.9	26.0	51.4	
0.470000	43.7	2000.0	9.000	On	N	19.9	2.8	46.5	
1.086000	27.7	2000.0	9.000	On	L1	19.9	18.3	46.0	
1.382000	32.8	2000.0	9.000	On	L1	19.9	13.2	46.0	
2.134000	29.3	2000.0	9.000	On	N	19.6	16.8	46.0	
7.922000	39.5	2000.0	9.000	On	N	19.7	10.5	50.0	

END OF REPORT