



# TESTREPORT

No.I18N00940-EMC

for

**Spectralink Corp**

**Wifi/BT handset**

**Model Name: 9553**

**FCC ID: IYG95XX**

**Hardware Version: PIO**

**Software Version: vF03**

**Issued Date: 2018-07-06**

**Designation Number: CN1210**

**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 SAICT.

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## **REPORT HISTORY**

<b>Report Number</b>	<b>Revision</b>	<b>Description</b>	<b>Issue Date</b>
I18N00940-EMC	Rev.0	1st edition	2018-07-06

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## 1. Test Laboratory

### 1.1. Testing Location

Company Name: Shenzhen Academy of Information and Communications  
Technology  
Address: Building G, Shenzhen International Innovation Center, No.1006  
Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China  
Postal Code: 518026  
Telephone: +86(0)755-33322000  
Fax: +86(0)755-33322001

### 1.2. Testing Environment

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

### 1.3. Project data

Testing Start Date: 2018-05-11  
Testing End Date: 2018-06-04

### 1.4. Signature



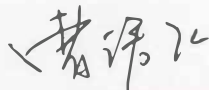
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Liang Yong  
(Prepared this test report)



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(Reviewed this test report)



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Cao Junfei  
Director of the laboratory  
(Approved this test report)

## **2. ClientInformation**

### **2.1. Applicant Information**

Company Name: Spectralink Corp  
Address: 2560 55th Street Boulder, CO 80301 USA

### **2.2. Manufacturer Information**

Company Name: Spectralink Corp  
Address: 2560 55th Street Boulder, CO 80301 USA

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

#### 3.1. About EUT

Description	Wifi/BT handset
Model Name	9553
FCC ID	IYG95XX
Condition of EUT as received	No obvious damage in appearance

The Equipment Under Test (EUT) are a model of Wifi/BT handset with integrated antenna. The EUT supports GPRS service and EGPRS service.

Remark: The above EUT's information is declared by manufacturer. Please refer to the specifications or user's manual for more detailed information.

#### 3.2. Internal Identification of EUT

EUT ID*	SN or IMEI
EUT1	359940090001300

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

#### 3.3. Internal Identification of AE

AE ID*	Description	SN
AE1	Battery	/
AE2	Travel charger	/
AE3	USB cable	/

##### AE1-1

Model	Rechargeable Li-ion Polymer Battery
Manufacturer	Zhuhai City Gushine Electronic Technology Co., Ltd.
Capacitance	3020 mAh
Nominal Voltage	3.85V

##### AE1-2

Model	Rechargeable Li-ion Polymer Battery
Manufacturer	Smart Power Electronic (huizhou) Co., Ltd.
Capacitance	60 mAh
Nominal Voltage	3.7V

##### AE2

Model	ASUC71w-050912300
Manufacturer	Aquil Star Precision Industrial (ShenZhen) Co., Ltd
S/N	/

##### AE3-1

Model	Type C 3.0 C13021
Manufacturer	Juwei Electronics Co., Ltd.

##### AE3-2

Model Type C 3.0 XG-US008  
Manufacturer Xunguang Electronics Co., Ltd.

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

Note: 60mAh Back up battery just for maintenance of system data and keep silence, cannot support system normal working

AE2: There is just one internal circuit of charger, and the plug of the charger can be replaced to meet worldwide country's requirement.

### 3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT1+ AE1-1+AE1-2+AE2+AE3-1	Charging mode
Set.2	EUT1+ AE1-1+AE1-2+AE2+AE3-2	Charging mode
Set.3	EUT1+ AE1-1+AE1-2+ AE3-1	USB mode
Set.4	EUT2+ AE1-1+AE1-2+ AE3-2	USB mode

## **4. Reference Documents**

### **4.1. Reference Documents for testing**

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

<b>Reference</b>	<b>Title</b>	<b>Version</b>
FCC Part 15, Subpart B	Radio frequency devices	10-1-2017 Edition
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014



## 5. LABORATORY ENVIRONMENT

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

Temperature	Min. = 15 °C, Max. = 35°C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω
Normalised site attenuation (NSA)	<±4 dB, 3 m distance, from 30 to 1000 MHz

**Shield room** did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. =20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-10000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω

**Fully-anechoic chamber** did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35°C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω
VoltageStandingWaveRatio (VSWR)	≤ 6 dB, from 1 to 18GHz, 3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

## 6. SUMMARY OF TEST RESULTS

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

Items	Test Name	Clause in FCC rules	Section in this report	Verdict
1	Radiated Emission	15.109(a)	A.1	P
2	Conducted Emission	15.107(a)	A.2	P

## 7. Test Facilities Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CALDUE DATE	CAL PERIOD
1.	Test Receiver	ESR7	101676	R&S	2018.11.29	1 year
2.	TestReceiver	ESCI	100702	R&S	2019.06.20	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2019.05.21	1 year
4.	BiLog Antenna	VULB9163	9163 329	SCHWARZBECK	2020.02.27	3 years
5.	LISN	ENV216	102067	R&S	2018.07.19	1 year
6.	Horn Antenna	3117	00066577	ETS-lindgren	2019.04.05	3 years
7.	Universal Radio Communication Tester	CMU200	114545	R&S	2019.05.17	1 year
8.	PC	ThinkPad E460	PF-0I0TM1	Lenovo	/	/
9.	Printer	P1008	VNF6C12491	HP	/	/
10.	Mouse	MOEUUOA	44NY517	Lenovo	/	/
11.	Chamber	FACT3-2.0	1285	ETS-Lindgren	2020.07.20	3 years

## **ANNEX A: MEASUREMENT RESULTS**

### **A.1 Radiated Emission (§15.109(a))**

#### **Reference**

FCC: CFR Part 15.109(a)

#### **A.1.1 Method of measurement**

The field strength of radiated emissions from the unintentional radiator (USB mode of MS and charging mode of MS) at a distance 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 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:**

**Charging mode:** The MS is synchronized to SS, and able to respond to paging messages and incoming call. An established call has been released. The MS is connected to a charger.

**USB mode:** The model of the PC is Lenovo ThinkPad E460, and the serial number of the PC is PF-0I0TM1. The software is used to let the PC keep on copying data to MS, reading and erasing the data after copy action was finished.

#### **A.1.3 Measurement Limit**

Limit from CFR Part 15.109(a)

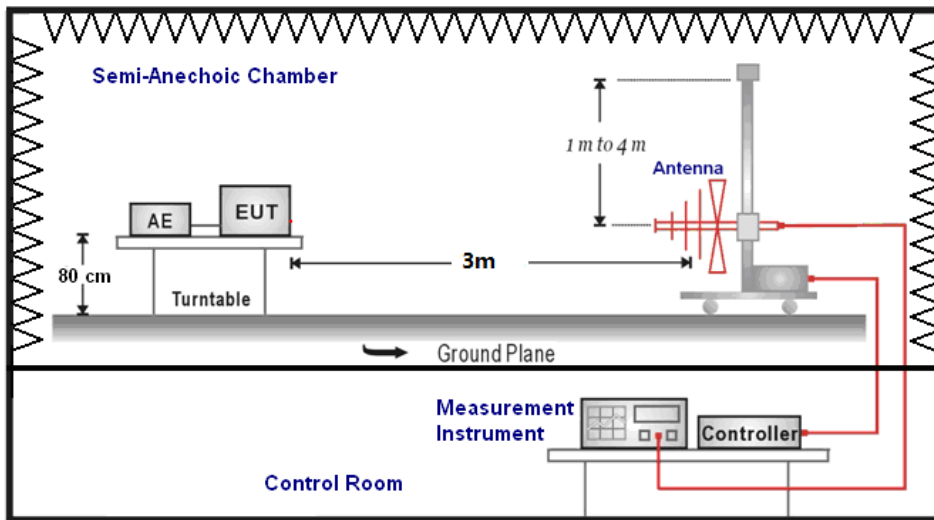
Frequency range (MHz)	Field strength limit ( $\mu\text{V}/\text{m}$ )		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

\*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

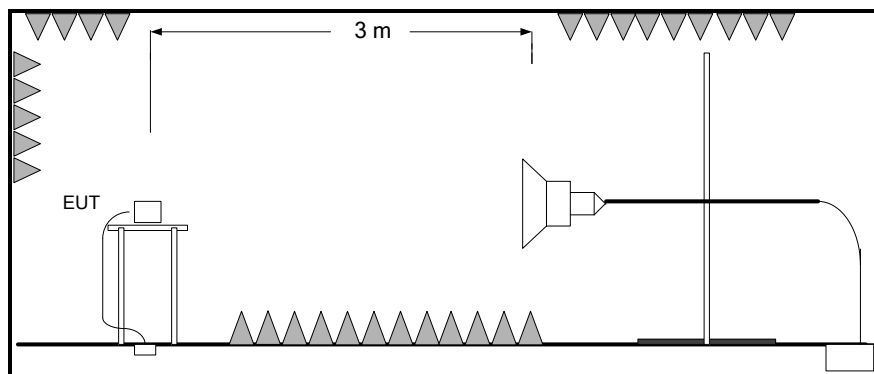
#### **A.1.4 Test Condition**

Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

**A.1.5 Test set-up:  
30MHz-1GHz**



**1GHz-18GHz**



### A.1.6 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

$G_{PL}$ : PathLoss

$P_{\text{Mea}}$ : Measurement result on receiver.

Note: the result contains vertical part and Horizontal part

**RE Measurement uncertainty:** 30M-1GHz: 4.90dB (k=2);  
1GHz-18GHz: 5.32 dB (k=2)

#### Set.1 Charging mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Limit (dB $\mu$ V/m)	Margin(dB)	Polarity	ARpl (dB/m)	$P_{\text{Mea}}$ (dB $\mu$ V)
13938.5	56.37	74	17.63	V	19.7	36.67
14497.5	56.95	74	17.05	H	20.3	36.65
15576.5	56.74	74	17.26	H	21.1	35.64
15647	58.23	74	15.77	H	21.3	36.93
16589	57.8	74	16.2	V	22.8	35
17687	56.45	74	17.55	H	22.8	33.65

#### Set.1 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Limit (dB $\mu$ V/m)	Margin(dB)	Polarity	ARpl (dB/m)	$P_{\text{Mea}}$ (dB $\mu$ V)
13956.5	44.54	54	9.46	V	19.7	24.84
14675	45.18	54	8.82	V	20.7	24.48
15571.5	45.19	54	8.81	V	21	24.19
15632.5	46.44	54	7.56	V	21.3	25.14
16644	46.26	54	7.74	V	22.4	23.86
17700	45.5	54	8.5	V	22.9	22.6

**Set.2 Charging mode / Peak detector**

Frequency(MHz)	Result(dBuV/m)	Limit (dB $\mu$ V/m)	Margin(dB)	Polarity	ARpl (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)
13812	56.45	74	17.55	V	19.3	37.15
14794.5	57.44	74	16.56	V	20.8	36.64
15568	56.51	74	17.49	V	21	35.51
15622.5	58.27	74	15.73	H	21.3	36.97
16711	57.86	74	16.14	H	21.8	36.06
17704	57.18	74	16.82	V	22.9	34.28

**Set.2 Charging mode / Average detector**

Frequency(MHz)	Result(dBuV/m)	Limit (dB $\mu$ V/m)	Margin(dB)	Polarity	ARpl (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)
13953	44.56	54	9.44	V	19.7	24.86
14562.5	45.15	54	8.85	H	20.4	24.75
15575	45.22	54	8.78	V	21	24.22
15672.5	46.52	54	7.48	V	21.3	25.22
16595	46.16	54	7.84	V	22.9	23.26
17689.5	45.44	54	8.56	H	22.8	22.64

**Set.3 USB mode / Peak detector**

Frequency(MHz)	Result(dBuV/m)	Limit (dB $\mu$ V/m)	Margin(dB)	Polarity	ARpl (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)
13942.5	56.62	74	17.38	V	19.7	36.92
14760	57.29	74	16.71	V	20.8	36.49
15099.5	56.79	74	17.21	V	19.9	36.89
15634.5	58.31	74	15.69	H	21.3	37.01
16622	58.12	74	15.88	H	22.7	35.42
17713	56.87	74	17.13	V	22.9	33.97

**Set.3 USB mode / Average detector**

Frequency(MHz)	Result(dBuV/m)	Limit (dB $\mu$ V/m)	Margin(dB)	Polarity	ARpl (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)
13942.5	44.6	54	9.4	V	19.7	24.9
14657.5	45.33	54	8.67	H	20.6	24.73
15575	45.38	54	8.62	V	21	24.38
15649.5	46.68	54	7.32	H	21.3	25.38
16592.5	46.33	54	7.67	H	22.8	23.53
17704	45.44	54	8.56	H	22.9	22.54

**Set.4 USB mode / Peak detector**

Frequency(MHz)	Result(dBuV/m)	Limit (dB $\mu$ V/m)	Margin(dB)	Polarity	ARpl (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)
13985	56.65	74	17.35	H	19.6	37.05
14634	57.1	74	16.9	V	20.6	36.5
15054.5	56.12	74	17.88	V	19.9	36.22
15604	57.58	74	16.42	H	21.3	36.28
17032.5	57.97	74	16.03	H	22.4	35.57
17666.5	56.66	74	17.34	V	22.5	34.16

**Set.4 USB mode / Average detector**

Frequency(MHz)	Result(dBuV/m)	Limit (dB $\mu$ V/m)	Margin(dB)	Polarity	ARpl (dB/m)	P <sub>Mea</sub> (dB $\mu$ V)
13925.5	44.5	54	9.5	H	19.8	24.7
14674.5	45.24	54	8.76	V	20.7	24.54
15573.5	45.14	54	8.86	V	21	24.14
15636	46.63	54	7.37	H	21.3	25.33
16639.5	46.37	54	7.63	H	22.5	23.87
17703.5	45.7	54	8.3	V	22.9	22.8

Note: The measurement result of Set.1, Set.2, Set.3, and Set.4 showed here are worst cases of combinations of different batteries and USB cables.



Charging mode: Set 1

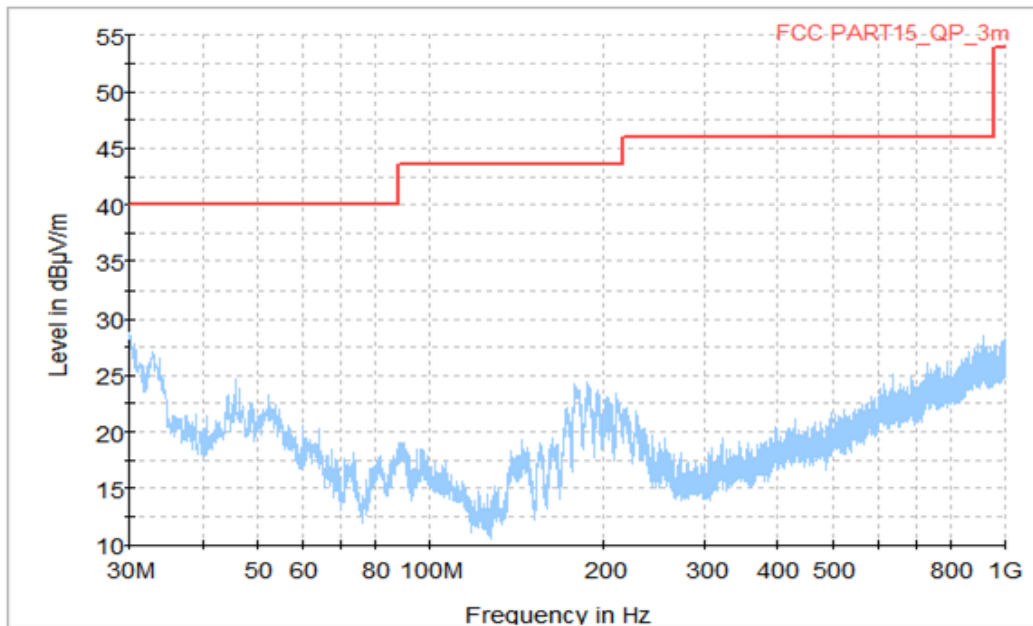


Figure A.1 Radiated Emission from 30MHz to 1GHz

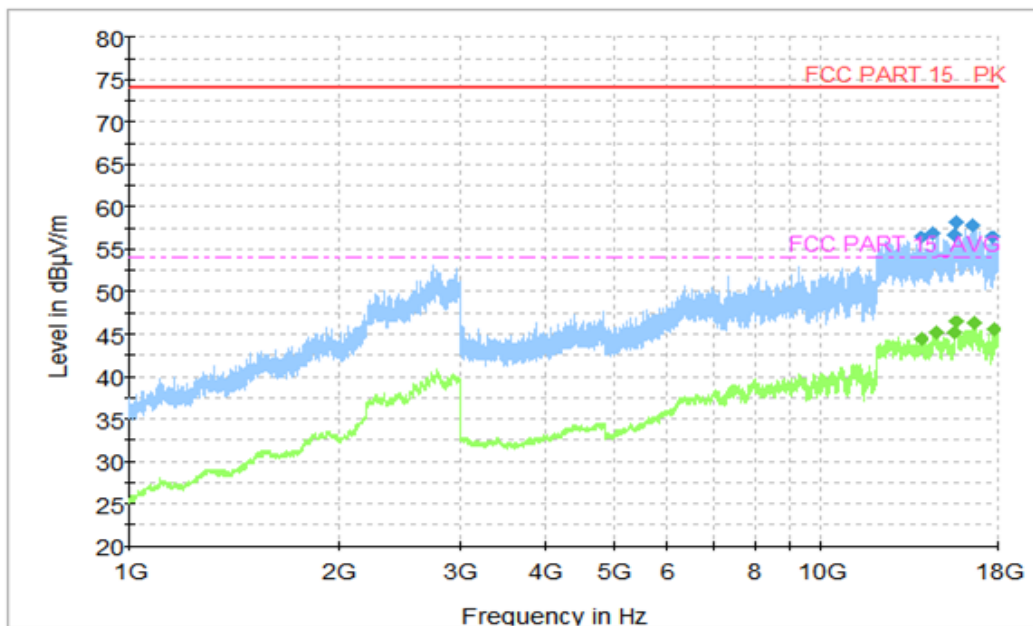


Figure A.2 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 2

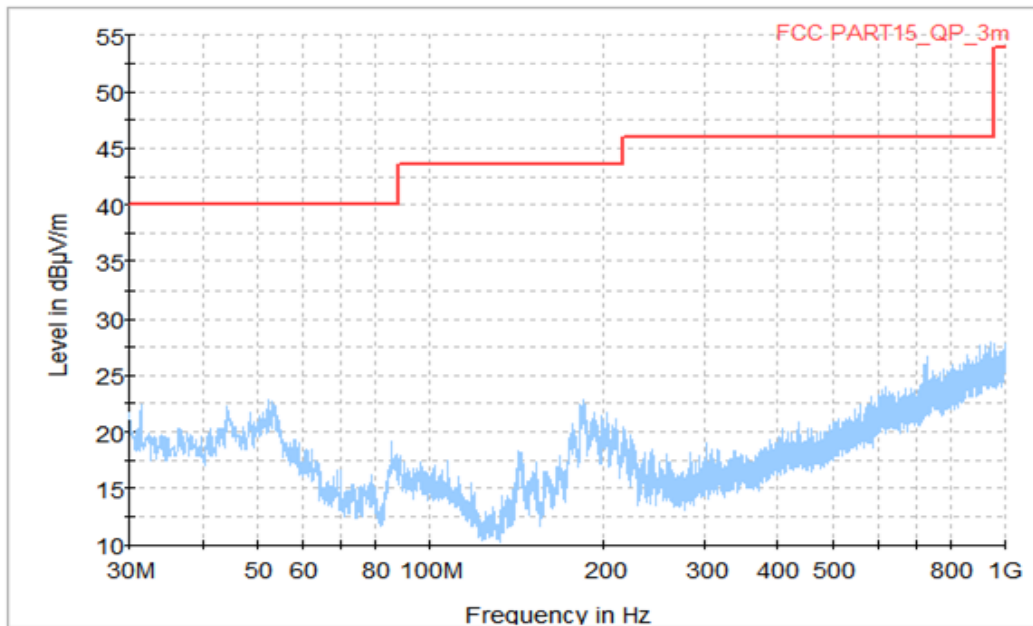


Figure A.1 Radiated Emission from 30MHz to 1GHz

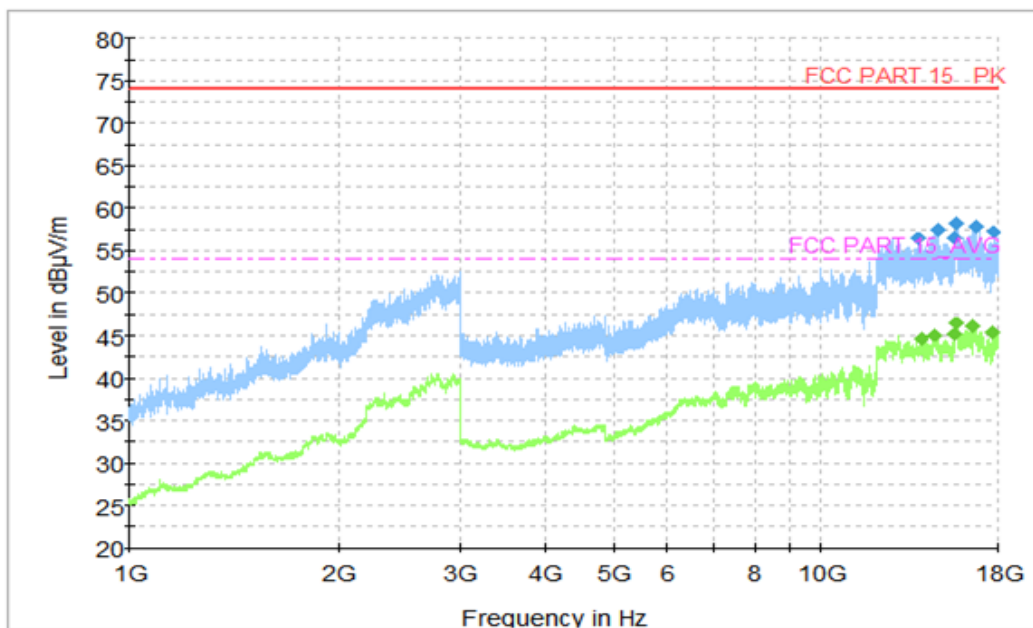


Figure A.2 Radiated Emission from 1GHz to 18GHz

USB mode: Set3

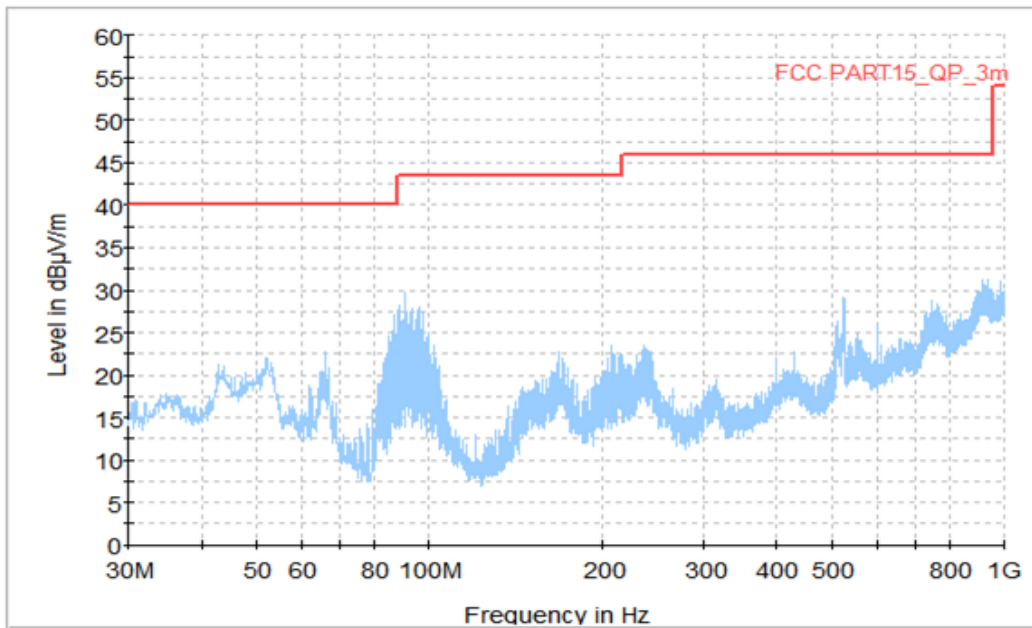


Figure A.1 Radiated Emission from 30MHz to 1GHz

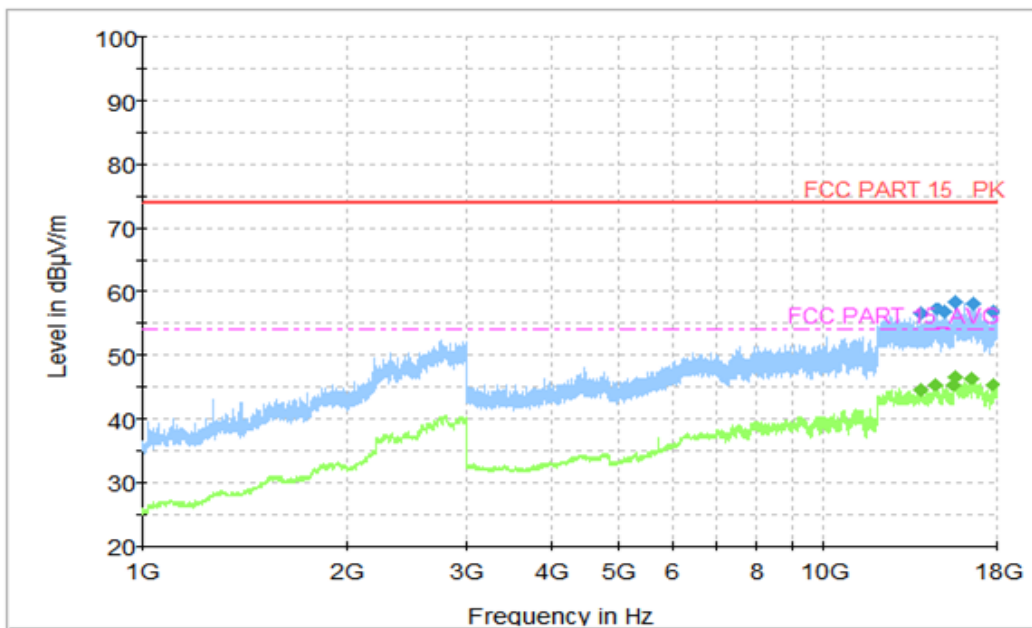


Figure A.2 Radiated Emission from 1GHz to 18GHz

USB mode: Set 4

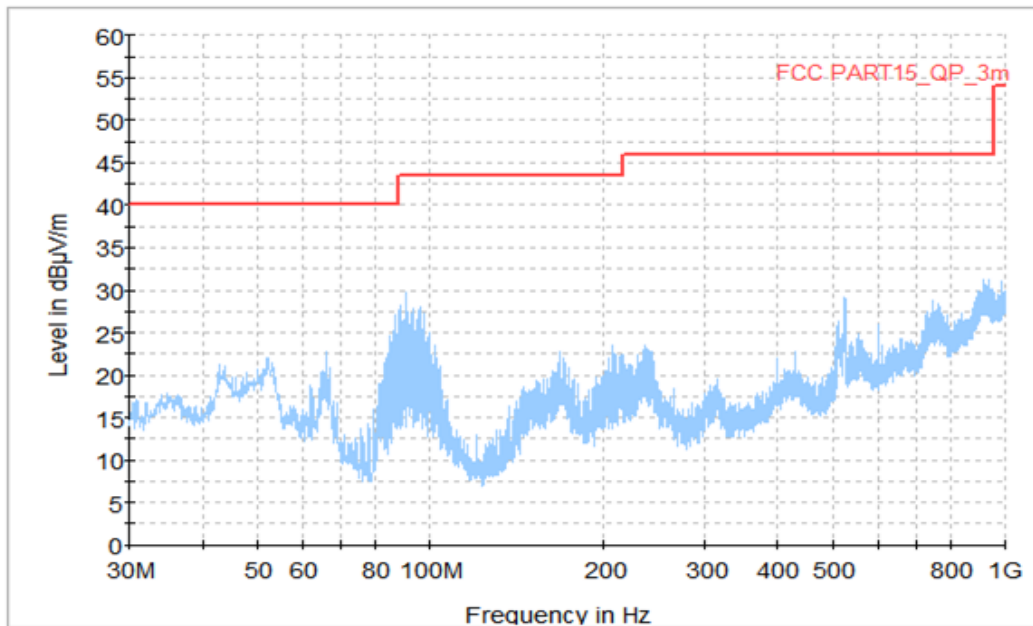


Figure A.1 Radiated Emission from 30MHz to 1GHz

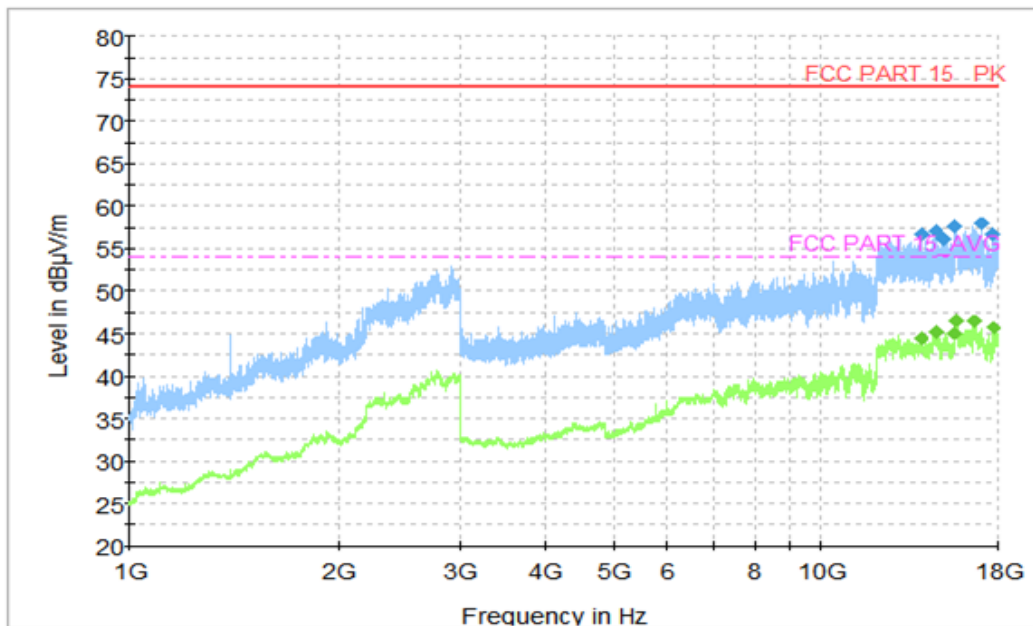


Figure A.2 Radiated Emission from 1GHz to 18GHz

## B.2 Conducted Emission (§15.107(a))

### Reference

FCC: CFR Part 15.107(a)

### B.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 150kHz to 30MHz shall not exceed the limits. Tested in accordance with the procedures of ANSI C63.4 -2014, section 7.3.

### B.2.2 EUT Operating Mode:

**Charging mode:** The MS is synchronized to SS, and able to respond to paging messages and incoming call. An established call has been released. The MS is connected to a charger.

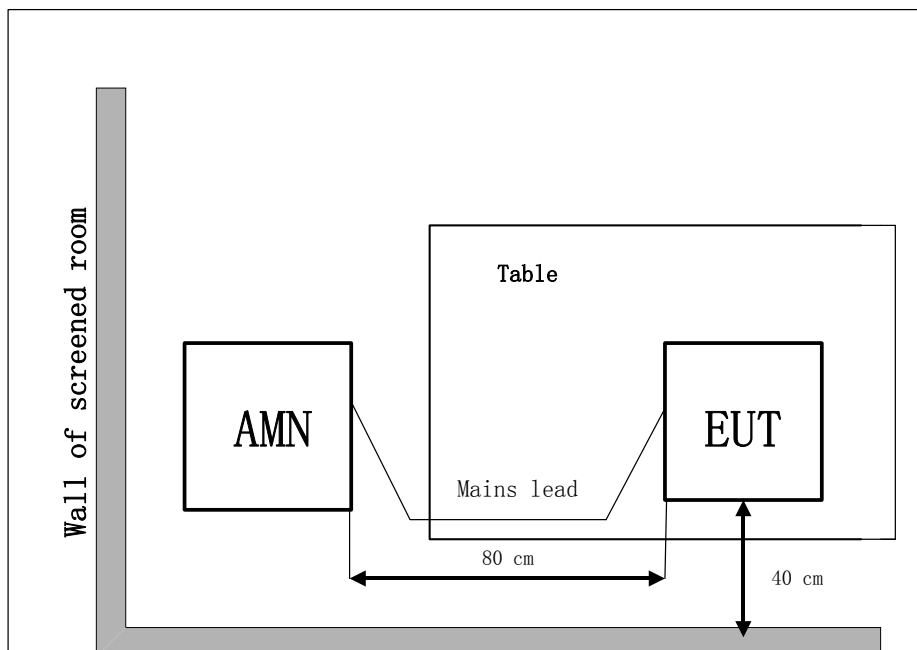
**USB mode:** The model of the PC is Lenovo ThinkPad E460, and the serial number of the PC is PF-0I0TM1. The software is used to let the PC keep on copying data to MS, reading and erasing the data after copy action was finished.

### B.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
	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

### B.2.4 Test set-up:



**B.2.5 Test Condition in charging mode**

Voltage (V)	Frequency (Hz)
120	50
240	50

RBW	Sweep Time(s)
9kHz	1

**CE Measurement uncertainty:**2.72 dB (k=2)

**B.2.6 Measurement Results**

QuasiPeak(dB μV) /Average(dB μV) =P<sub>Mea</sub>+Corr

Where

Corr: PathLoss + Voltage Division Factor

P<sub>Mea</sub>: Measurement result on receiver.

Charging mode: Set 1  
Voltage: 120V

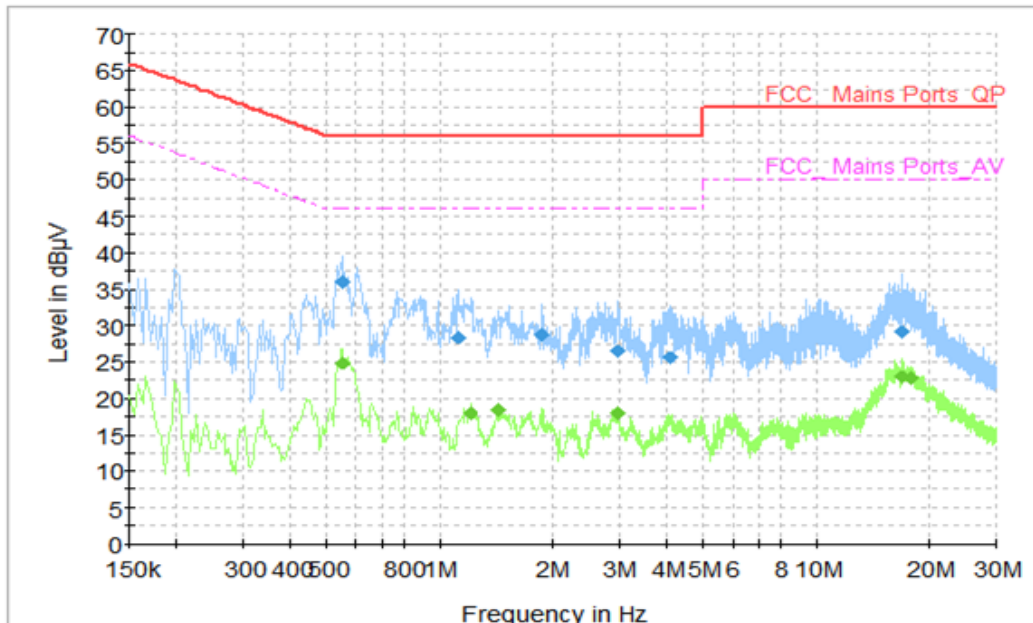


Figure B.3 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.55	36.03	56	19.97	N	9.7	26.33
1.118	28.42	56	27.58	N	9.7	18.72
1.862	28.75	56	27.25	L1	9.7	19.05
2.966	26.53	56	29.47	N	9.7	16.83
4.09	25.63	56	30.37	N	9.7	15.93
16.882	29.16	60	30.84	N	10.2	18.96

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.55	24.94	46	21.06	N	9.7	15.24
1.206	17.94	46	28.06	N	9.7	8.24
1.43	18.35	46	27.65	L1	9.7	8.65
2.962	17.94	46	28.06	N	9.7	8.24
16.882	22.9	50	27.1	N	10.2	12.7
17.834	22.7	50	27.3	N	10.2	12.5

Charging mode: Set 2  
Voltage: 120V

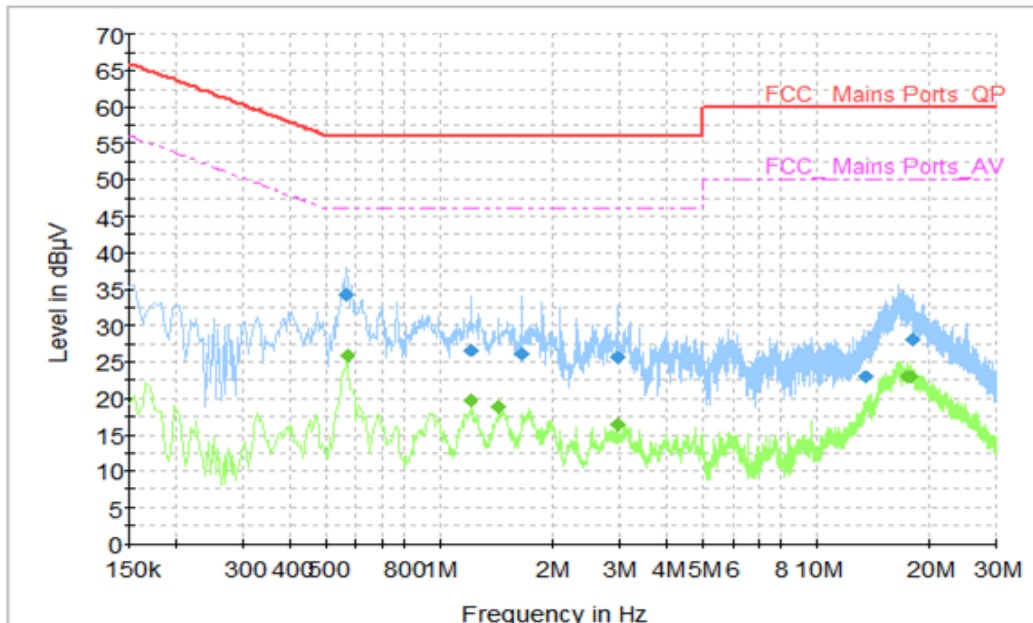


Figure B.3 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.562	34.25	56	21.75	N	9.7	24.55
1.21	26.61	56	29.39	L1	9.7	16.91
1.65	26.06	56	29.94	L1	9.7	16.36
2.962	25.62	56	30.38	L1	9.7	15.92
13.566	22.84	60	37.16	L1	10	12.84
17.978	28.07	60	31.93	N	10.2	17.87

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.566	25.95	46	20.05	L1	9.7	16.25
1.206	19.7	46	26.3	L1	9.7	10
1.43	18.83	46	27.17	L1	9.7	9.13
2.962	16.39	46	29.61	L1	9.7	6.69
17.254	22.92	50	27.08	N	10.2	12.72
17.81	22.99	50	27.01	N	10.2	12.79



USB mode: Set 3

Voltage: 120V

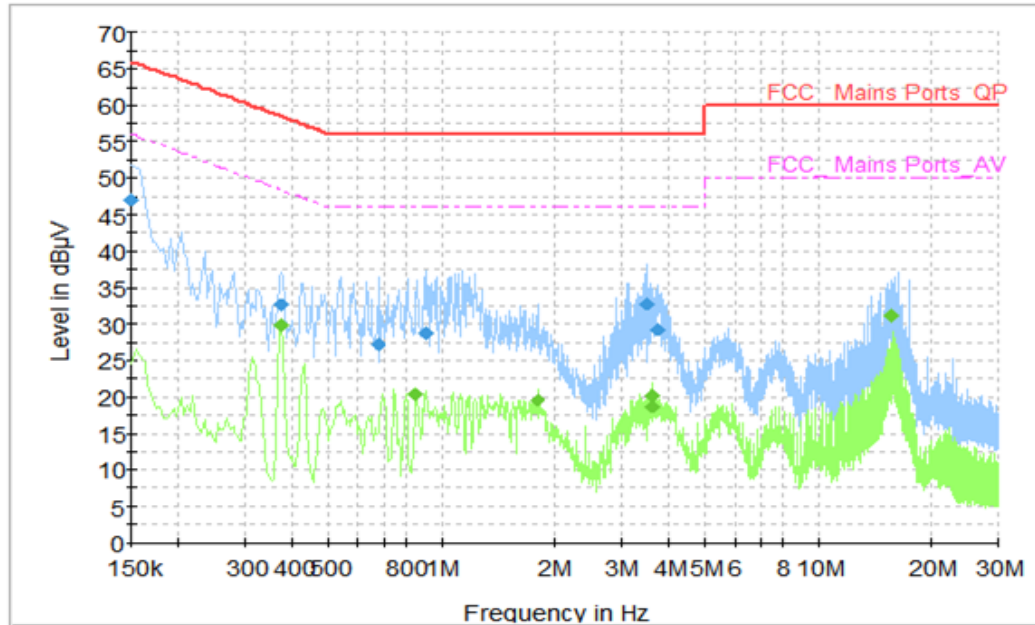


Figure B.3 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.15	47.04	66	18.96	N	9.6	37.44
0.374	32.66	58.41	25.75	L1	9.7	22.96
0.674	27.15	56	28.85	N	9.7	17.45
0.906	28.69	56	27.31	L1	9.7	18.99
3.518	32.86	56	23.14	L1	9.7	23.16
3.726	29.28	56	26.72	L1	9.7	19.58

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.374	29.77	48.41	18.64	L1	9.7	20.07
0.854	20.32	46	25.68	L1	9.7	10.62
1.798	19.5	46	26.5	L1	9.7	9.8
3.598	20.03	46	25.97	L1	9.7	10.33
3.618	18.62	46	27.38	L1	9.7	8.92
15.55	31.24	50	18.76	L1	10.1	21.14

USB mode: Set 4

Voltage: 120V

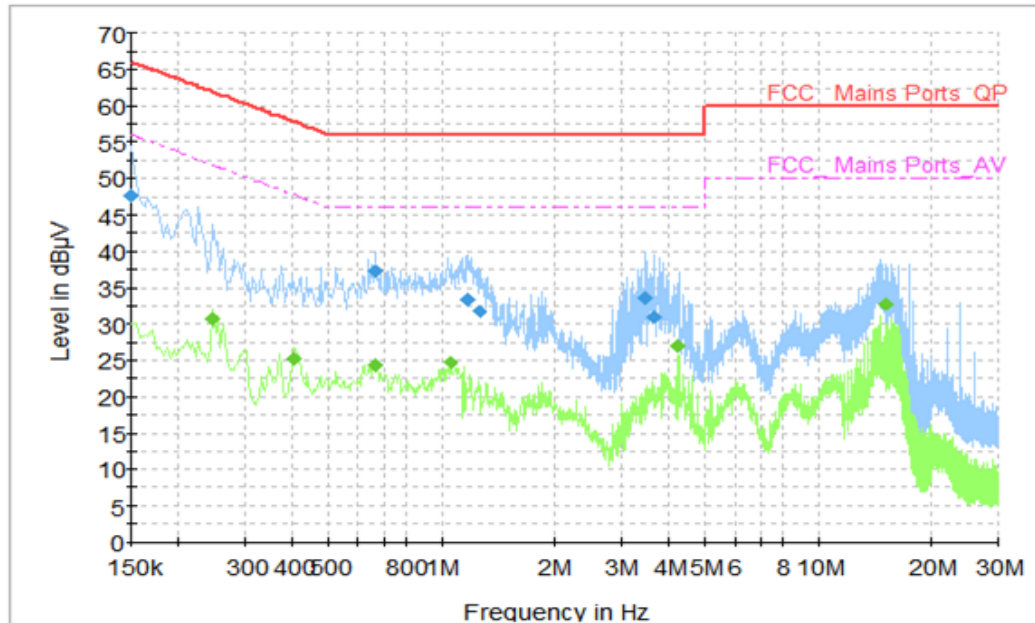


Figure B.3 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.15	47.58	66	18.42	N	9.6	37.98
0.662	31.12	56	24.88	L1	9.7	21.42
1.17	33.38	56	22.62	L1	9.7	23.68
1.262	31.79	56	24.21	L1	9.7	22.09
3.45	33.44	56	22.56	L1	9.7	23.74
3.662	26.98	56	29.02	L1	9.7	17.28

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.246	20.72	51.89	31.17	L1	9.7	11.02
0.406	14.19	47.73	33.54	L1	9.7	4.49
0.662	19.3	46	26.7	L1	9.7	9.6
1.05	21.62	46	24.38	L1	9.7	11.92
4.246	14.91	46	31.09	N	9.7	5.21
14.978	32.8	50	17.2	L1	10.1	22.7

Charging mode: Set 1  
Voltage: 240V

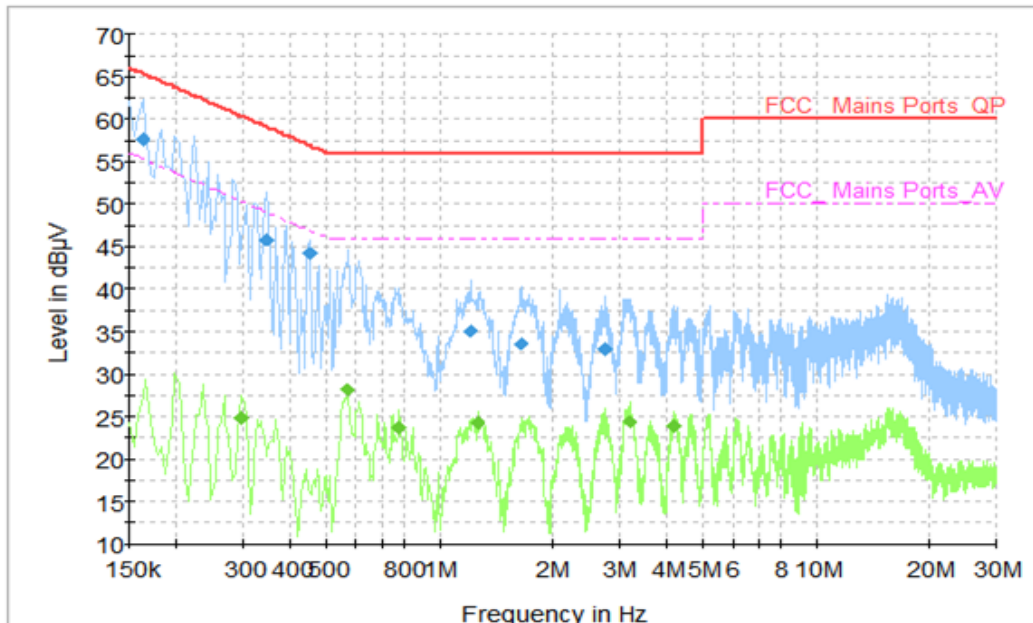


Figure B.3 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.162	41.63	65.36	23.73	N	9.6	32.03
0.346	27.88	59.06	31.18	N	9.6	18.28
0.45	24.17	56.88	32.71	N	9.6	14.57
1.202	35.13	56	20.87	N	9.7	25.43
1.642	33.64	56	22.36	N	9.7	23.94
2.746	32.9	56	23.1	N	9.7	23.2

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.298	24.87	50.3	25.43	N	9.6	15.27
0.566	28.13	46	17.87	N	9.7	18.43
0.782	23.7	46	22.3	N	9.7	14
1.262	24.24	46	21.76	N	9.7	14.54
3.178	24.31	46	21.69	N	9.7	14.61
4.182	23.94	46	22.06	N	9.7	14.24

Charging mode: Set 2

Voltage: 240V

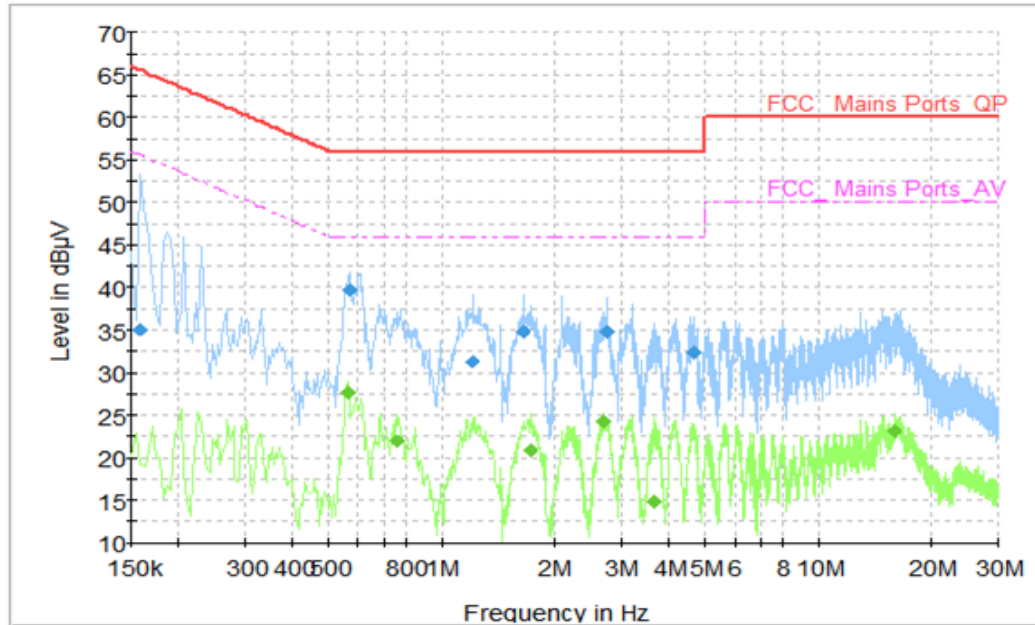


Figure B. Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.158	35.16	65.57	30.41	L1	9.7	25.46
0.57	39.81	56	16.19	N	9.7	30.11
1.206	31.37	56	24.63	N	9.7	21.67
1.646	34.71	56	21.29	N	9.7	25.01
2.742	34.73	56	21.27	N	9.7	25.03
4.65	32.31	56	23.69	N	9.7	22.61

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.562	27.63	46	18.37	N	9.7	17.93
0.762	21.93	46	24.07	N	9.7	12.23
1.71	20.82	46	25.18	N	9.7	11.12
2.69	24.21	46	21.79	N	9.7	14.51
3.686	14.84	46	31.16	N	9.7	5.14
15.862	23.2	50	26.8	N	10.1	13.1

USB mode: Set 3  
Voltage: 240V

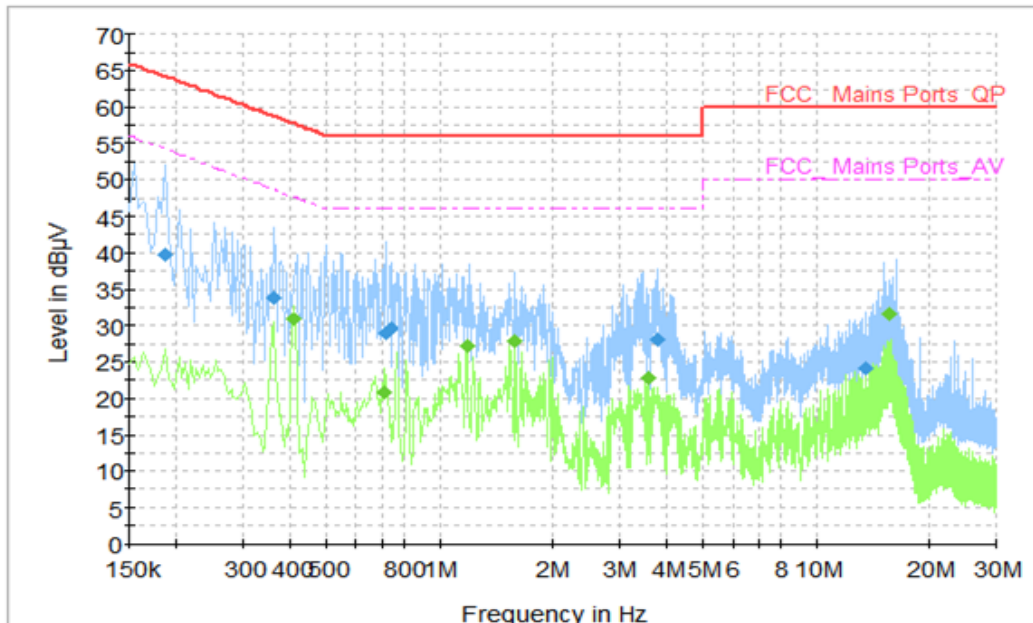


Figure B.3 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.186	39.74	64.21	24.47	N	9.6	30.14
0.362	33.79	58.68	24.89	N	9.6	24.19
0.718	28.87	56	27.13	N	9.7	19.17
0.742	29.67	56	26.33	L1	9.7	19.97
3.79	28.03	56	27.97	L1	9.7	18.33
13.55	24.16	60	35.84	L1	10	14.16

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.41	30.86	47.65	16.79	N	9.7	21.16
0.714	20.79	46	25.21	N	9.7	11.09
1.178	27.19	46	18.81	L1	9.7	17.49
1.586	27.87	46	18.13	N	9.7	18.17
3.582	22.67	46	23.33	L1	9.7	12.97
15.642	31.59	50	18.41	L1	10.1	21.49

USB mode: Set 4

Voltage: 240V

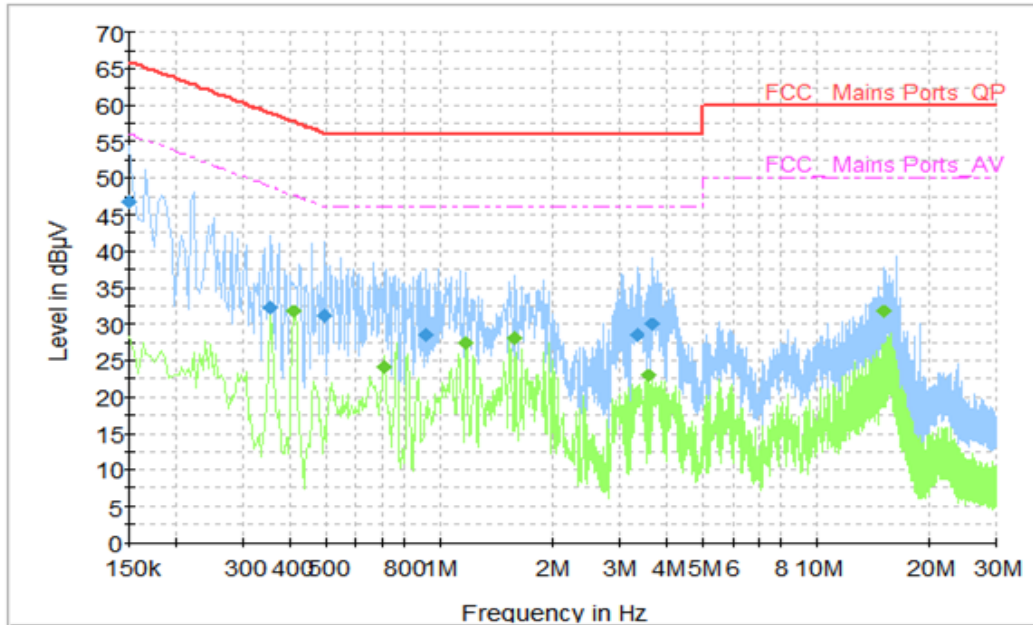


Figure B.3 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.15	46.8	66	19.2	N	9.6	37.2
0.354	32.18	58.87	26.68	N	9.6	22.58
0.49	31.2	56.17	24.97	L1	9.7	21.5
0.914	28.53	56	27.47	L1	9.7	18.83
3.334	28.64	56	27.36	L1	9.7	18.94
3.69	30.02	56	25.98	L1	9.7	20.32

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	Limit (dB µV)	Margin (dB)	Line	Corr. (dB)	P <sub>Mea</sub> (dBµV)
0.41	31.73	47.65	15.92	N	9.7	22.03
0.714	24.19	46	21.81	L1	9.7	14.49
1.174	27.39	46	18.61	L1	9.7	17.69
1.586	28.08	46	17.92	N	9.7	18.38
3.586	22.92	46	23.08	L1	9.7	13.22
14.978	31.71	50	18.29	L1	10.1	21.61

\*\*\*END OF REPORT\*\*\*