



# TEST REPORT

No.I16N00146-EMC

for

**Huawei Technologies Co., Ltd.**

**Smart Phone**

**Model Name: HUAWEI VNS-L31, VNS-L31**

**FCC ID: QISVNS-L31**

with

**Hardware Version: HL2VENUSM**

**Software Version: VNS-L31C900B020**

**Issued Date: 2016-02-26**

**Test Laboratory:**

*FCC 2.948 Listed: No.342690*

**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:**

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## **REPORT HISTORY**

<b>Report Number</b>	<b>Revision</b>	<b>Description</b>	<b>Issue Date</b>
I16N00146-EMC	Rev.0	1st edition	2016-02-26



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## 1. Test Laboratory

### 1.1. Testing Location

Address: TCL International E city No. 1001 Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong, China  
Postal Code: 518048  
Telephone: +86(755)33322000  
Fax: +86(755)33322000

### 1.2. Testing Environment

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

### 1.3. Project data

Testing Start Date: 2016-02-19  
Testing End Date: 2016-02-23

### 1.4. Signature

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Liang Yong

(Prepared this test report)

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Du Zhaoxuan

(Reviewed this test report)

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Cao Junfei

Director of the laboratory  
(Approved this test report)



## **2. Client Information**

### **2.1. Applicant Information**

Company Name: Huawei Technologies Co., Ltd.  
Address: Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

### **2.2. Manufacturer Information**

Company Name: Huawei Technologies Co., Ltd.  
Address: Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

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

#### **3.1. About EUT**

Description	Smart Phone
Model Name	HUAWEI VNS-L31, VNS-L31
FCC ID	QISVNS-L31
TX Band	GSM850/1900,WCDMA Band 2,FDD Band 7
RX Band	GSM850/1900,WCDMA Band 2,FDD Band 7

The Equipment Under Test (EUT) are a model of Smart Phone with integrated antenna.

The EUT supports GPRS service and EGPRS service. It has MP3, camera, USB memory, FM radio, GPS receiver, Bluetooth and WLAN functions.

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**

<b>EUT ID*</b>	<b>SN or IMEI</b>
EUT	869400020047850
	869400020046563

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

#### **3.3. Internal Identification of AE**

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

##### AE1-1

Model	HB366481ECW
Manufacturer	SCUD (FUJIAN) Electronics Co., Ltd.
Capacitance	2900mAh
Nominal voltage	3.8V

##### AE1-2

Model	HB366481ECW
Manufacturer	Sunwoda Electronic Co., LTD.
Capacitance	2900mAh
Nominal voltage	3.8V

##### AE2-1

Model	HW-050100U01
Manufacturer	BYD Company Limited
Length of cable	/
SN	B66634F5F01058



AE2-2	
Model	HW-050100U01
Manufacturer	SHENZHEN HUNTKEY ELECTRIC CO., LTD
Length of cable	/
SN	H666LGF4M07144
AE2-3	
Model	HW-050100U01
Manufacturer	Dongguan Phitek Electronics Co., Ltd
Length of cable	/
SN	P66606F3S01370
AE3-1	
Model	CUBB01M-HC304-DH
Manufacturer	FOXCONN INTERCONNECT TECHNOLOGY LIMITED
Length of cable	95cm
AE3-2	
Model	LSA00732
Manufacturer	Unirise Communication Technology Co Ltd.
Length of cable	95cm
AE3-3	
Model	L99U2017-CS-H
Manufacturer	Shenzhen Luxshare Precision Industry Co.,Ltd.
Length of cable	95cm
AE3-4	
Model	H09-000577
Manufacturer	SHEN ZHEN PANG NGAI INDUSTRIAL CO., LTD.
Length of cable	95cm
AE3-5	
Model	CD-U0405-1143
Manufacturer	CONNREX (SHEN ZHEN) INDUSTRIAL.,LTD.
Length of cable	95cm

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

### 3.4. EUT set-ups

<b>EUT set-up No.</b>	<b>Combination of EUT and AE</b>	<b>Remarks</b>
Set.1	EUT+ AE1-1 + AE2-1 + AE3-1	Charging mode
Set.2	EUT+ AE1-2 + AE2-2 + AE3-2	Charging mode
Set.3	EUT+ AE1-1 + AE2-3 + AE3-3	Charging mode
Set.4	EUT+ AE1-1 + AE3-4	USB mode
Set.5	EUT+ AE1-2 + AE3-5	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	10-1-2015 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. = 30 °C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-1000MHz,>90dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	< ± 4 dB, 3 m distance, from 30 to 1000 MHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

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

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. =35 %, Max. = 60 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-1000MHz,>90dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω

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

Temperature	Min. = 15 °C, Max. = 30 °C
Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-1000MHz,>90dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Voltage Standing Wave Ratio (VSWR)	≤ 6 dB, from 1 to 18 GHz, 3 m distance



## 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	ESCI	100701	R&S	2016.08.10	1 year
2.	Test Receiver	ESCI	100702	R&S	2016.05.30	1 year
3.	Spectrum Analyzer	FSP 40	100378	R&S	2016.12.18	1 year
4.	BiLog Antenna	VULB9163	9163 329	Schwarzbeck	2017.01.20	3 years
5.	LISN	ESH2-Z5	100196	R&S	2017.01.12	1 year
6.	Horn Antenna	3117	00066577	ETS-Lindgren	2016.04.01	3 years
7.	Universal Radio Communication Tester	E5515C	GB44051324	Agilent	2016.05.19	1 year
8.	PC	M4099t	SA08850737	Lenovo	/	/
9.	Monitor	L1710d	0M04340B10 01010	Lenovo	/	/
10.	Printer	P1008	VNF6C12491	HP	/	/
11.	Keyboard	KB-0225	0723779	Lenovo	/	/
12.	Mouse	MO28UOL	44B39412	Lenovo	/	/

## **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:**

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 Lenovo Thinkcentre M4099t, and the serial number of the PC is SA08850737. 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 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

$G_{\text{PL}}$ : Path Loss

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

Note: the result contains vertical part and Horizontal part

**RE Measurement uncertainty:** 30M-1GHz: 5.08dB (k=2);  
1GHz-18GHz: 4.56 dB (k=2)

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

Frequency(MHz)	Result(dBuV/m)	Polarity	$A_{Rpl}$ (dB)	Margin(dB)	Limit (dB $\mu$ V/m)
14169.500000	58.6	V	13.4	15.4	74.0
15119.500000	59.0	H	14.2	15.0	74.0
15673.000000	60.8	V	14.5	13.2	74.0
16136.500000	61.8	V	15.2	12.2	74.0
16847.500000	62.5	V	16.1	11.5	74.0
17446.500000	62.1	V	16.4	11.9	74.0

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

Frequency(MHz)	Result(dBuV/m)	Polarity	$A_{Rpl}$ (dB)	Margin(dB)	Limit (dB $\mu$ V/m)
14147.000000	46.7	V	13.3	7.3	54.0
15138.000000	47.7	H	14.2	6.3	54.0
15677.500000	49.1	V	14.5	4.9	54.0
16221.500000	49.7	H	15.1	4.3	54.0
16778.500000	50.2	V	15.7	3.8	54.0
17415.000000	50.0	V	16.5	4.0	54.0

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

Frequency(MHz)	Result(dBuV/m)	Polarity	A <sub>Rpl</sub> (dB)	Margin(dB)	Limit (dBμV/m)
14520.500000	58.9	H	13.6	15.1	74.0
15163.500000	59.5	H	14.3	14.5	74.0
15676.500000	60.6	V	14.5	13.4	74.0
16315.500000	61.2	H	15.4	12.8	74.0
16776.000000	62.3	H	15.7	11.7	74.0
17933.500000	62.2	H	16.9	11.8	74.0

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

Frequency(MHz)	Result(dBuV/m)	Polarity	A <sub>Rpl</sub> (dB)	Margin(dB)	Limit (dBμV/m)
14164.000000	46.7	H	13.3	7.3	54.0
15174.000000	47.6	H	14.3	6.4	54.0
15676.500000	49.0	H	14.5	5.0	54.0
16205.000000	49.8	V	15.1	4.2	54.0
16775.500000	50.4	H	15.7	3.6	54.0
17400.500000	50.2	V	16.4	3.8	54.0

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

Frequency(MHz)	Result(dBuV/m)	Polarity	A <sub>Rpl</sub> (dB)	Margin(dB)	Limit (dBμV/m)
14123.000000	58.3	V	13.3	15.7	74.0
15168.500000	59.7	H	14.3	14.3	74.0
15658.500000	61.5	H	14.5	12.5	74.0
16278.500000	61.5	H	15.2	12.5	74.0
17231.000000	62.1	V	15.6	11.9	74.0
17935.000000	61.9	V	16.9	12.1	74.0

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

Frequency(MHz)	Result(dBuV/m)	Polarity	A <sub>Rpl</sub> (dB)	Margin(dB)	Limit (dBμV/m)
14170.000000	46.7	H	13.4	7.3	54.0
15167.000000	47.8	H	14.3	6.2	54.0
15673.500000	49.1	H	14.5	4.9	54.0
16222.500000	49.8	H	15.1	4.2	54.0
16838.500000	50.4	H	16.0	3.6	54.0
17410.000000	50.1	V	16.5	3.9	54.0

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

Frequency(MHz)	Result(dBuV/m)	Polarity	A <sub>Rpl</sub> (dB)	Margin(dB)	Limit (dB $\mu$ V/m)
14210.500000	59.2	V	13.4	14.8	74.0
15041.000000	58.9	H	13.8	15.1	74.0
15773.000000	61.1	H	14.6	12.9	74.0
16240.500000	61.6	V	15.1	12.4	74.0
16820.500000	62.0	H	15.9	12.0	74.0
17882.000000	62.2	H	16.6	11.8	74.0

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

Frequency(MHz)	Result(dBuV/m)	Polarity	A <sub>Rpl</sub> (dB)	Margin(dB)	Limit (dB $\mu$ V/m)
14133.000000	46.5	H	13.3	7.5	54.0
15170.000000	47.6	H	14.3	6.4	54.0
15679.000000	49.1	V	14.5	4.9	54.0
16216.500000	49.7	V	15.1	4.3	54.0
16777.000000	50.2	H	15.7	3.8	54.0
17404.000000	50.1	V	16.4	3.9	54.0

**Set.5 USB mode / Peak detector**

Frequency(MHz)	Result(dBuV/m)	Polarity	A <sub>Rpl</sub> (dB)	Margin(dB)	Limit (dB $\mu$ V/m)
14304.500000	58.2	H	13.4	15.8	74.0
15153.000000	59.7	H	14.3	14.3	74.0
15676.500000	61.0	V	14.5	13.0	74.0
16164.000000	61.8	H	15.2	12.2	74.0
16857.000000	62.2	V	16.1	11.8	74.0
17470.000000	62.7	V	16.3	11.3	74.0

**Set.5 USB mode / Average detector**

Frequency(MHz)	Result(dBuV/m)	Polarity	A <sub>Rpl</sub> (dB)	Margin(dB)	Limit (dB $\mu$ V/m)
14147.500000	46.5	V	13.3	7.5	54.0
15151.500000	47.6	H	14.3	6.4	54.0
15685.000000	48.9	H	14.5	5.1	54.0
16204.000000	49.7	V	15.1	4.3	54.0
16833.500000	50.1	H	16.0	3.9	54.0
17397.000000	49.9	H	16.4	4.1	54.0

Note: The measurement result of Set.1,Set.2,Set.3,Set.4 and Set.5 showed here are worst cases of combinations of different batteries and USB cables.

Charging mode: Set 1

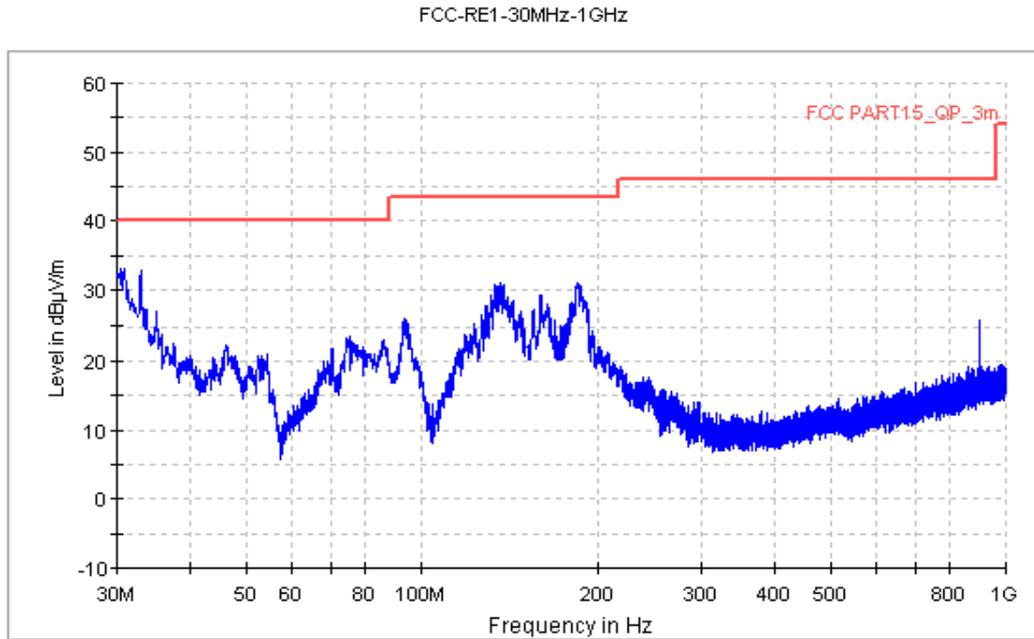


Figure A.1 Radiated Emission from 30MHz to 1GHz

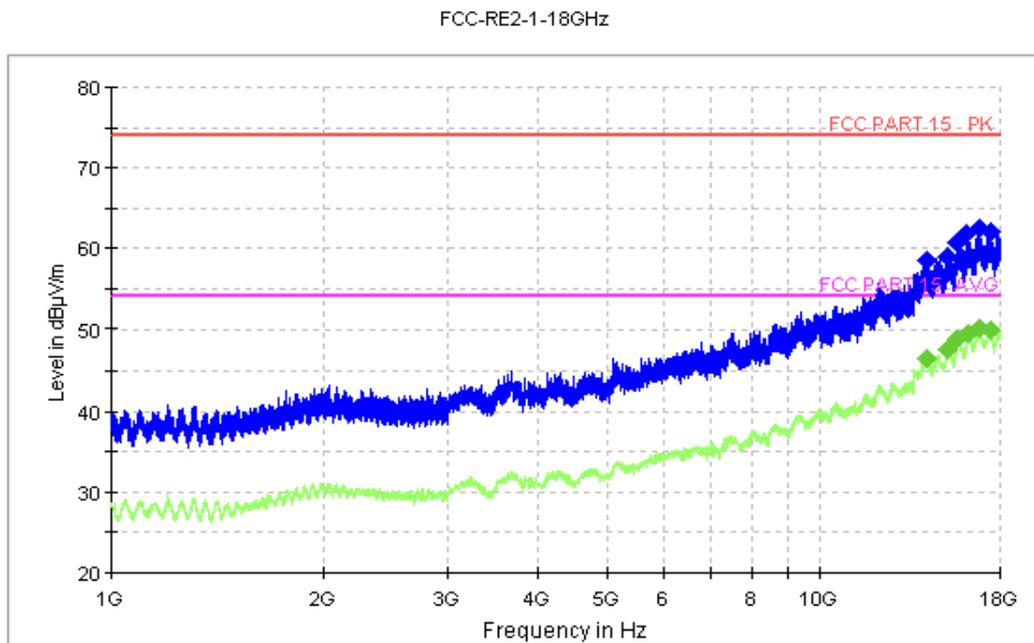


Figure A.2 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 2

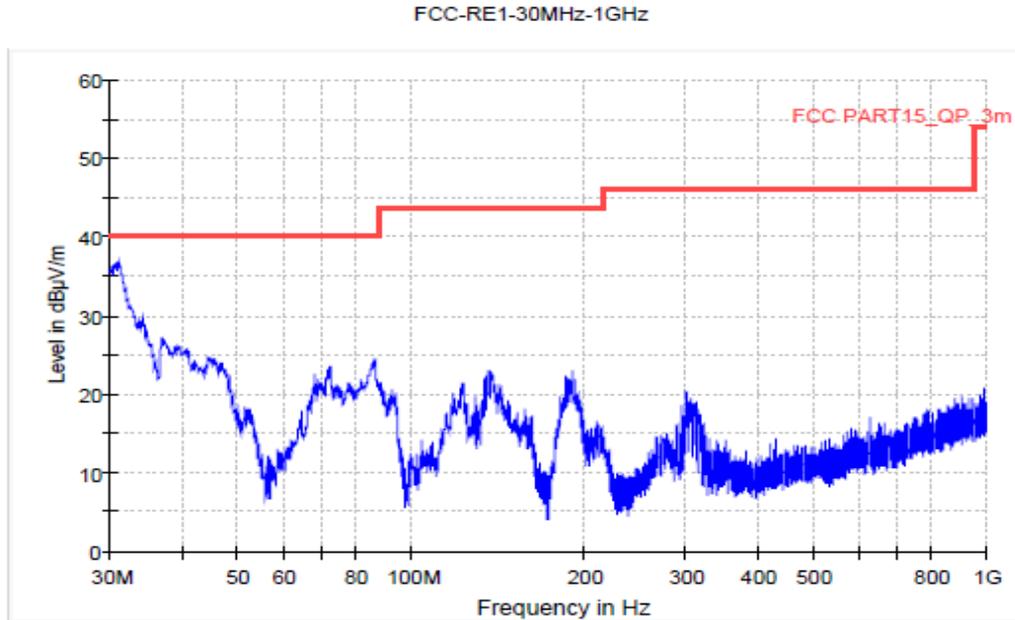


Figure A.3 Radiated Emission from 30MHz to 1GHz

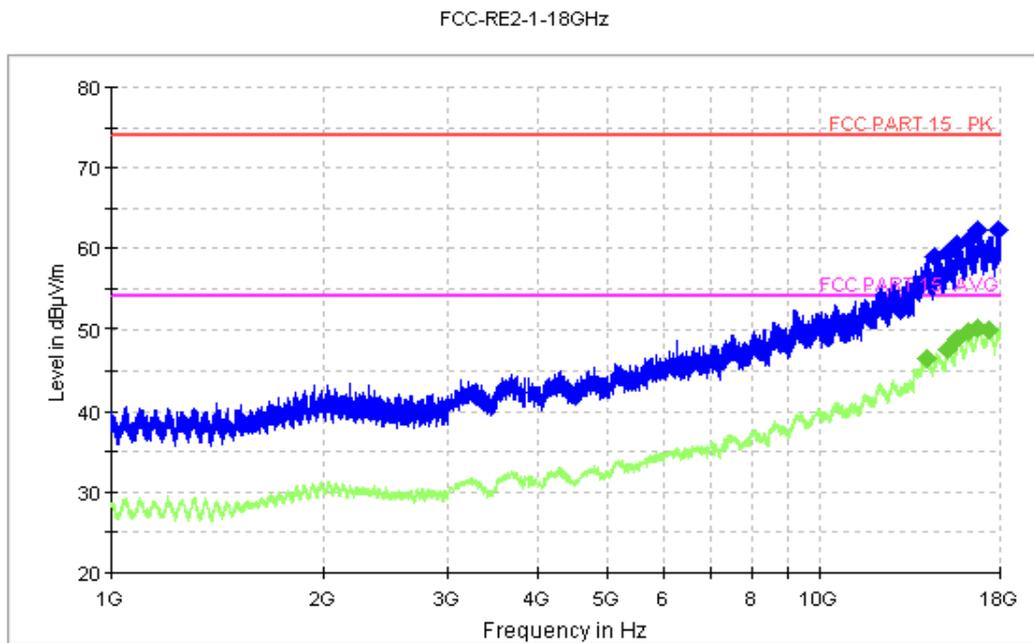


Figure A.4 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 3

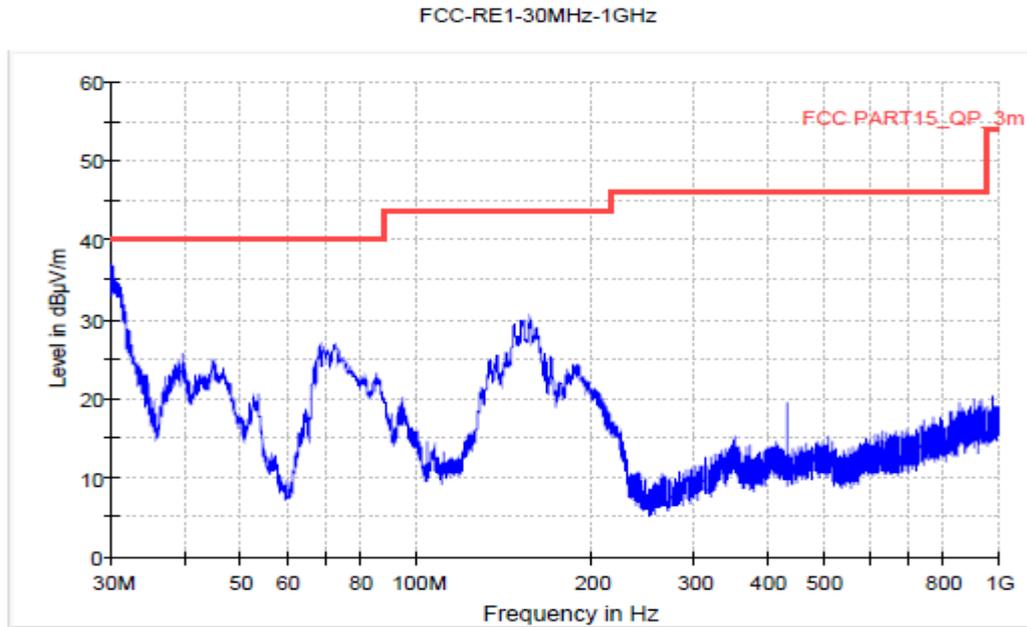


Figure A.5 Radiated Emission from 30MHz to 1GHz

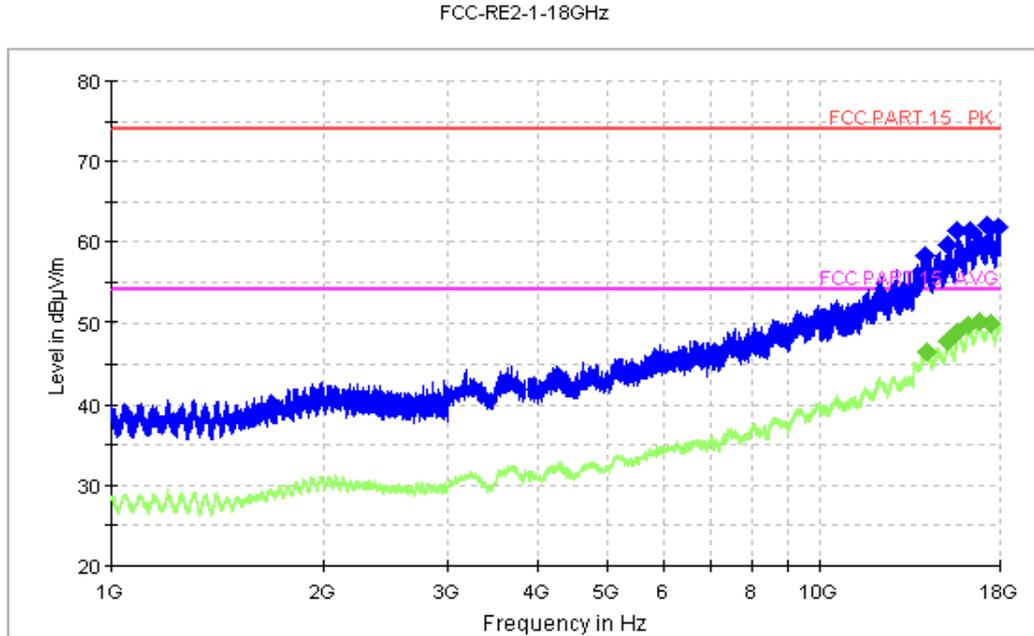


Figure A.6 Radiated Emission from 1GHz to 18GHz

USB mode: Set 4

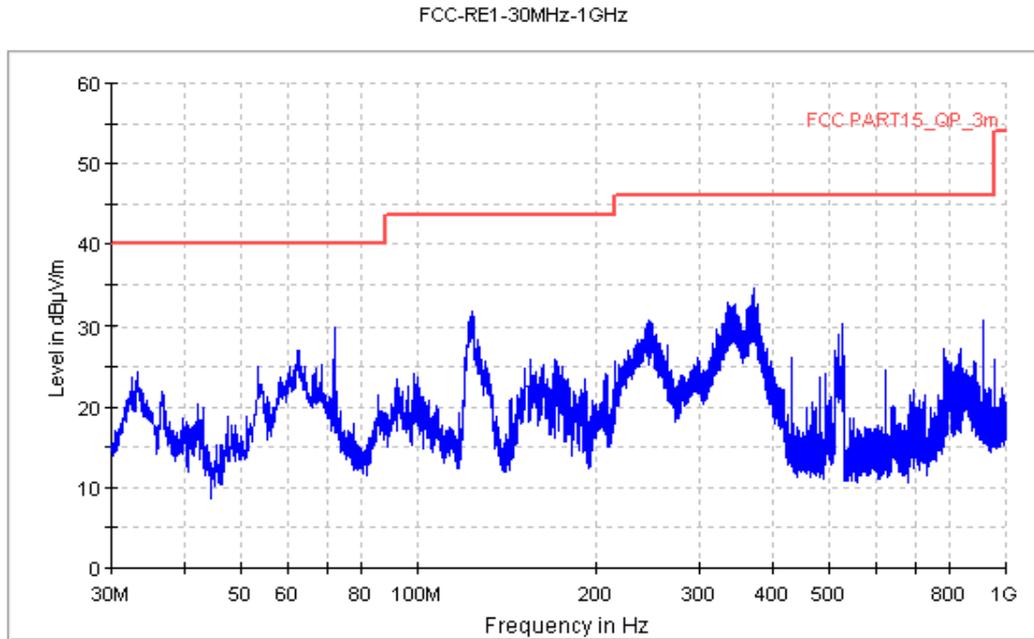


Figure A.7 Radiated Emission from 30MHz to 1GHz

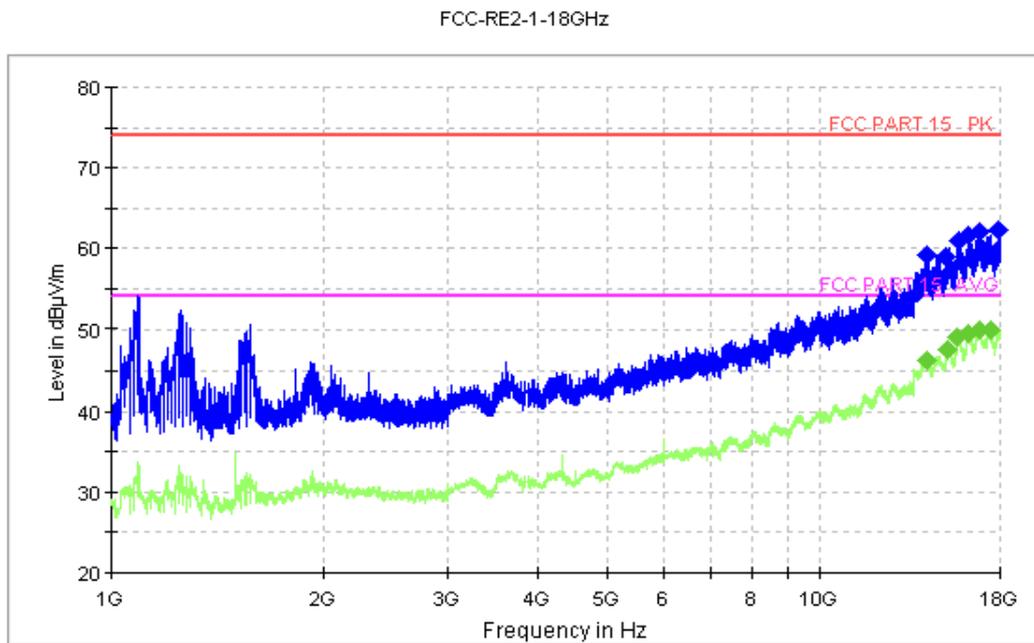


Figure A.8 Radiated Emission from 1GHz to 18GHz

USB mode: Set 5

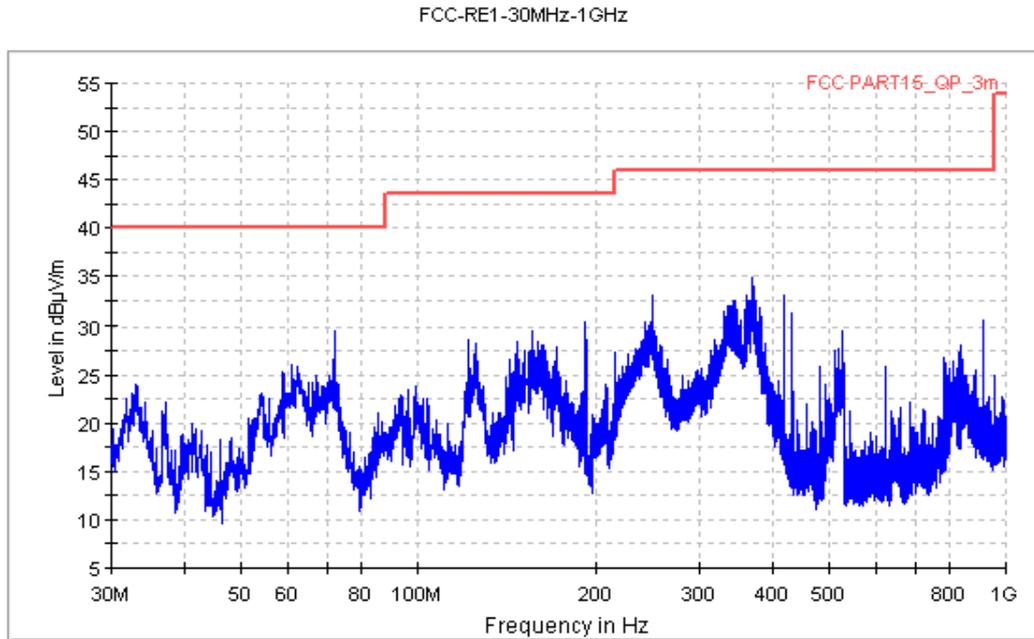


Figure A.9 Radiated Emission from 30MHz to 1GHz

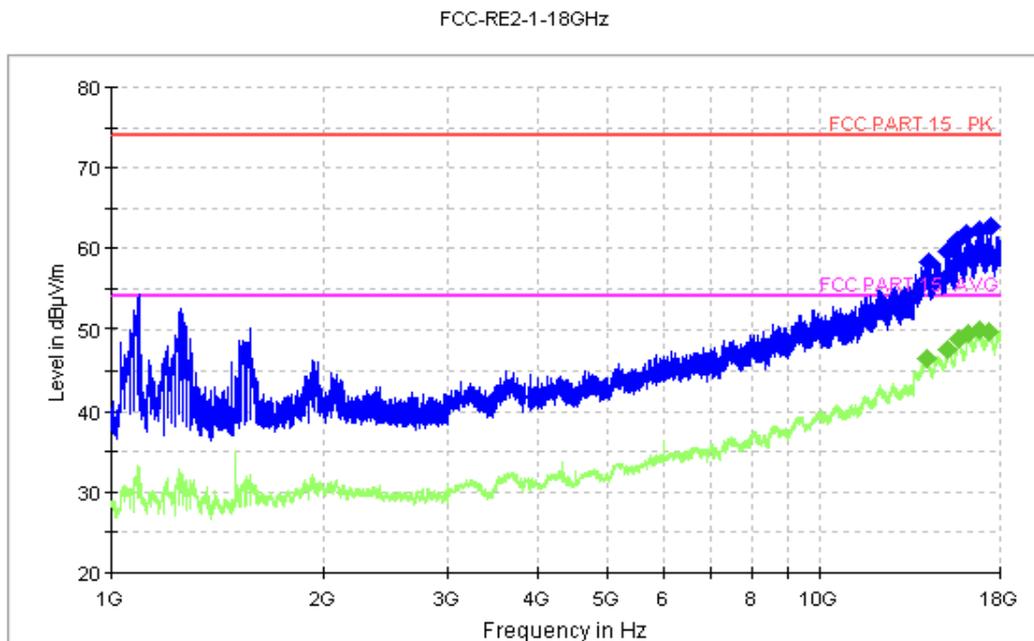


Figure A.10 Radiated Emission from 1GHz to 18GHz

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

### 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 Lenovo Thinkcentre M4099t, and the serial number of the PC is SA08850737. 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.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

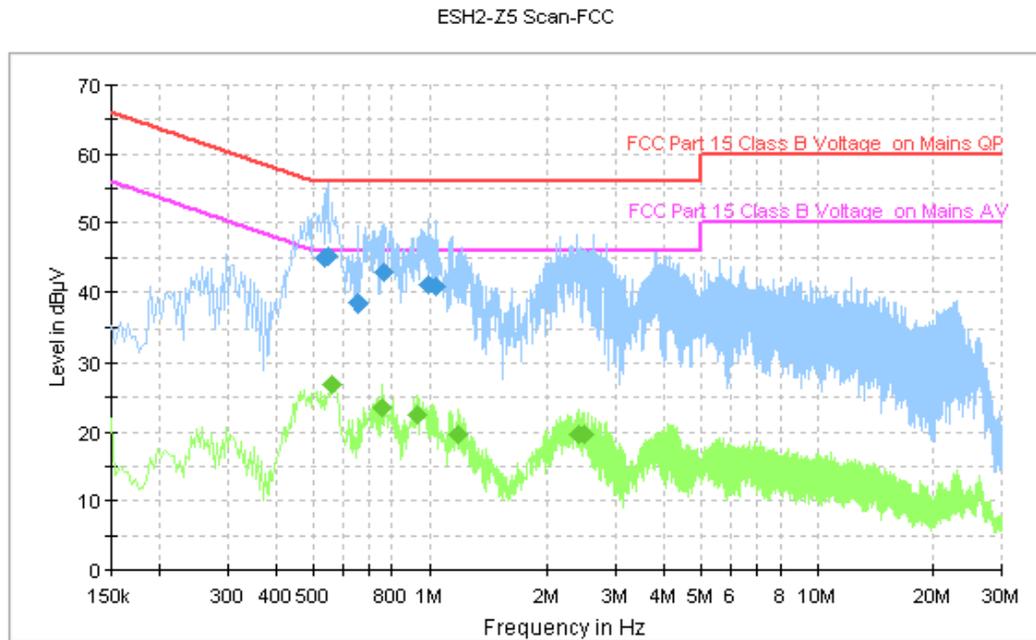
### A.2.4 Test Condition in charging mode

Voltage (V)	Frequency (Hz)
120	60

RBW	Sweep Time(s)
9kHz	1

**CE Measurement uncertainty:** 2.7 dB (k=2)

**A.2.5 Measurement Results**  
**Charging mode:Set.1**



**Figure A.11 Conducted Emission**

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.534000	44.9	GND	L1	10.1	11.1	56.0
0.546000	45.1	GND	L1	10.1	10.9	56.0
0.650000	38.5	GND	L1	10.0	17.5	56.0
0.766000	42.8	GND	L1	10.1	13.2	56.0
0.994000	41.1	GND	L1	10.1	14.9	56.0
1.042000	40.9	GND	L1	10.1	15.1	56.0

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.558000	26.8	GND	L1	10.1	19.2	46.0
0.758000	23.5	GND	L1	10.1	22.5	46.0
0.934000	22.6	GND	L1	10.1	23.4	46.0
1.186000	19.6	GND	L1	10.0	26.4	46.0
2.398000	19.6	GND	L1	10.1	26.4	46.0
2.478000	19.6	GND	L1	10.2	26.4	46.0

Charging mode:Set.2

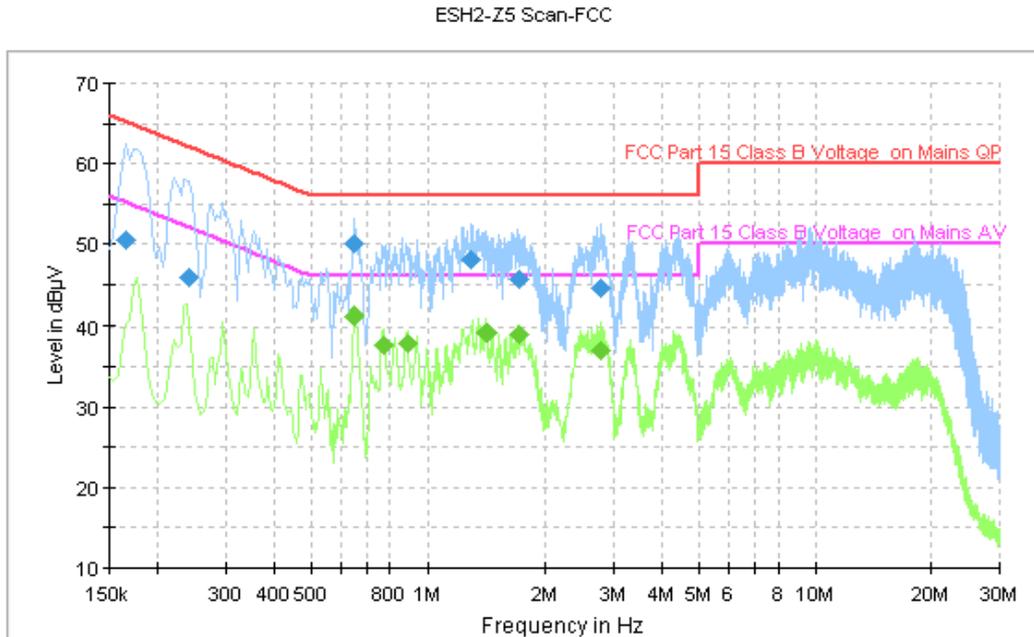


Figure A.12 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.166000	50.6	GND	L1	10.0	14.6	65.2
0.242000	45.8	GND	L1	10.0	16.2	62.0
0.646000	50.0	GND	L1	10.0	6.0	56.0
1.290000	48.1	GND	L1	10.1	7.9	56.0
1.718000	45.7	GND	L1	10.1	10.3	56.0
2.794000	44.6	GND	L1	10.1	11.4	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.646000	41.2	GND	L1	10.0	4.8	46.0
0.770000	37.8	GND	L1	10.1	8.2	46.0
0.886000	38.0	GND	L1	10.1	8.0	46.0
1.418000	39.2	GND	L1	10.1	6.8	46.0
1.702000	38.9	GND	L1	10.1	7.1	46.0
2.786000	37.0	GND	L1	10.1	9.0	46.0

Charging mode:Set.3

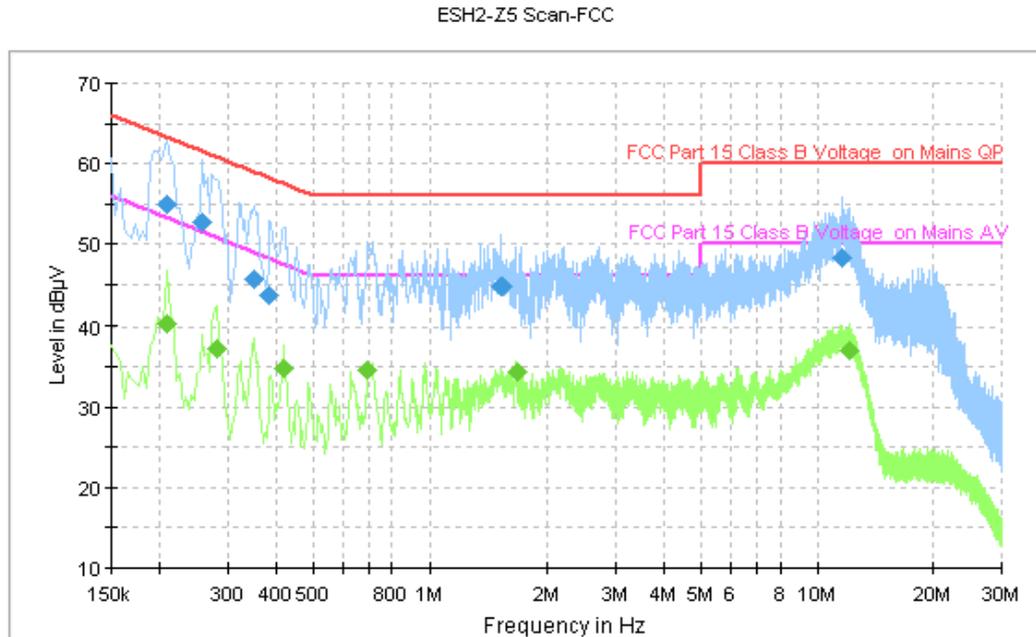


Figure A.13 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.210000	54.9	GND	L1	10.0	8.3	63.2
0.258000	52.6	GND	L1	10.0	8.9	61.5
0.350000	45.6	GND	L1	10.0	13.3	59.0
0.386000	43.7	GND	L1	10.0	14.5	58.1
1.526000	44.7	GND	L1	10.1	11.3	56.0
11.594000	48.3	GND	L1	10.3	11.7	60.0

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.210000	40.3	GND	L1	10.0	12.9	53.2
0.282000	37.2	GND	L1	10.0	13.5	50.8
0.418000	34.7	GND	L1	10.0	12.8	47.5
0.694000	34.5	GND	L1	10.0	11.5	46.0
1.674000	34.2	GND	L1	10.1	11.8	46.0
12.098000	36.9	GND	L1	10.4	13.1	50.0

USB mode:Set.4

ESH2-Z5 Scan-FCC

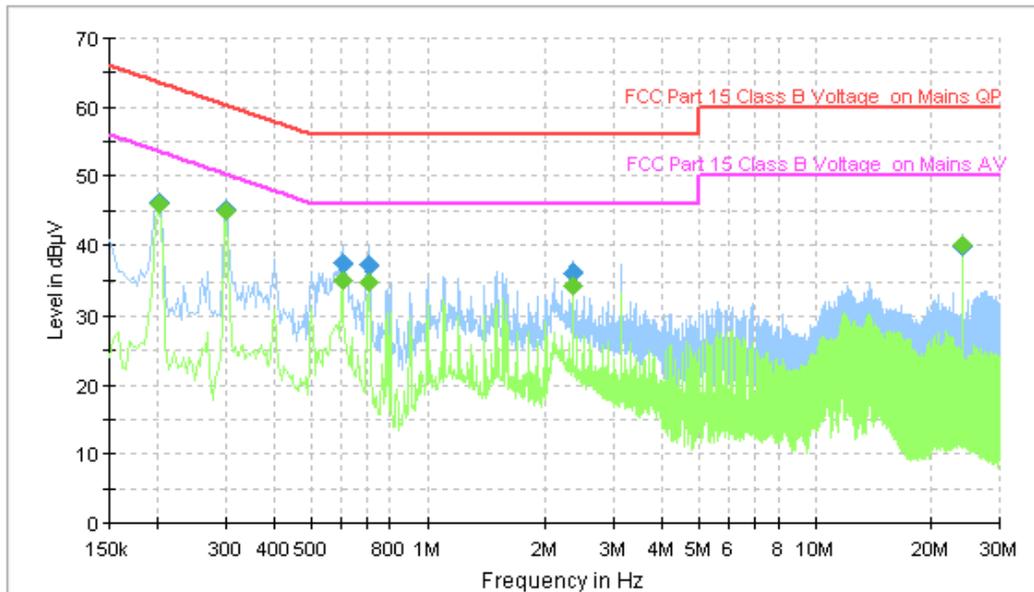


Figure A.14 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.202000	46.2	GND	N	10.1	17.3	63.5
0.302000	45.3	GND	N	10.1	14.9	60.2
0.602000	37.3	GND	N	10.1	18.7	56.0
0.702000	37.2	GND	N	10.0	18.8	56.0
2.354000	36.2	GND	L1	10.1	19.8	56.0
23.998000	39.8	GND	N	10.6	20.2	60.0

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.202000	45.9	GND	N	10.1	7.7	53.5
0.302000	45.0	GND	N	10.1	5.2	50.2
0.602000	35.2	GND	N	10.1	10.8	46.0
0.702000	34.8	GND	N	10.0	11.2	46.0
2.354000	34.3	GND	L1	10.1	11.7	46.0
23.998000	39.9	GND	N	10.6	10.1	50.0

USB mode:Set.5

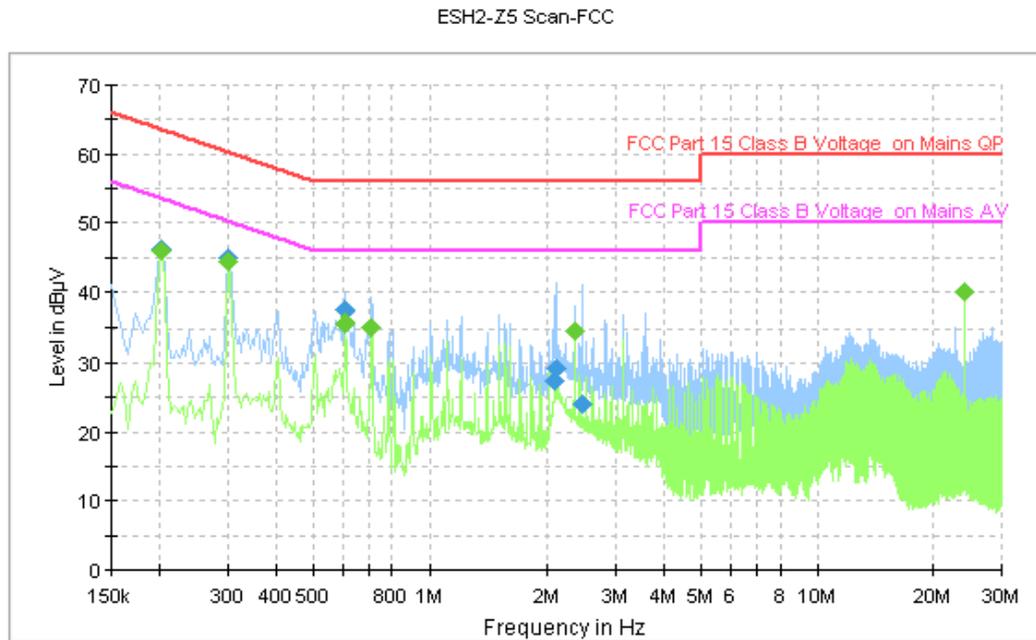


Figure A.15 Conducted Emission

**Final Measurement Detector 1**

Frequency (MHz)	QuasiPeak (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.202000	46.3	GND	N	10.1	17.2	63.5
0.302000	44.9	GND	N	10.1	15.3	60.2
0.606000	37.5	GND	N	10.1	18.5	56.0
2.078000	27.3	GND	N	10.1	28.7	56.0
2.098000	29.3	GND	L1	10.1	26.7	56.0
2.470000	24.0	GND	L1	10.1	32.0	56.0

**Final Measurement Detector 2**

Frequency (MHz)	Average (dB µV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB µV)
0.202000	46.0	GND	N	10.1	7.5	53.5
0.302000	44.5	GND	N	10.1	5.7	50.2
0.606000	35.7	GND	N	10.1	10.3	46.0
0.706000	35.0	GND	N	10.0	11.0	46.0
2.354000	34.7	GND	L1	10.1	11.3	46.0
23.998000	39.9	GND	N	10.6	10.1	50.0

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