



TEST REPORT

No.I16N00779-EMC

for

Huawei Technologies Co., Ltd.

Smart Phone

Model Name: H710VL

FCC ID: QISKIW-A2

with

Hardware Version: HL1H710VLMAA

Software Version: H710VLC378B010

Issued Date: 2016-07-14

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

Report Number	Revision	Description	Issue Date
I16N00779-EMC	Rev.0	1st edition	2016-07-14



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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)33322001

1.2. Testing Environment

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

1.3. Project data

Testing Start Date: 2016-05-30
Testing End Date: 2016-06-06

1.4. Signature



Liang Yong
(Prepared this test report)



Cao Junfei
(Reviewed this test report)



Zhang Bojun
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	H710VL
FCC ID	QISKIW-A2

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.

Note: The Smart Phone H710VL manufactured by Huawei Technologies Co., Ltd.

is a variant model based on H710VL for conformance test. According to the declaration of changes, no test needs to be performed. All results are cited from the initial model. The report number for initial model is I16N00573.

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
EUT	861121030007043

*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		
Model	HB396481EBC	
Manufacturer	SCUD (FUJIAN) Electronics Co., Ltd	
Capacitance	3000mAh	
Nominal voltage	3.80V	
AE2-1		
Model	HW-050100U01	
Manufacturer	BYD Company Limited	
SN	B66622FBC24099	
AE2-2		
Model	HW-050100U01	
Manufacturer	SHENZHEN HUNTKEY ELECTRIC CO., LTD.	
SN	H666K6FBJ01371	
AE2-3		
Model	HW-050100U01	



Manufacturer	dongguan phltek electronics co., ltd
SN	P66615FB218295
AE3-1	
Model	L99U2043-CS-H
Manufacturer	Shenzhen Luxshare Precision Industry Co.,Ltd.
Length of cable	94cm
AE3-2	
Model	CUBB01M-HC219-DH
Manufacturer	FOXCONN INTERCONNECT TECHNOLOGY LIMITED.
Length of cable	94cm
AE3-3	
Model	130-27235
Manufacturer	CHANGSHU HONGLIN TECHNOLOGY CO., LTD.
Length of cable	94cm

*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	EUT+ AE1 + AE2-1+ AE3-1	Charging mode
Set.2	EUT+ AE1 + AE2-2+ AE3-2	Charging mode
Set.3	EUT+ AE1 + AE2-3+ AE3-3	Charging mode
Set.4	EUT+ AE1 + AE3-1	USB mode
Set.5	EUT+ AE1 + AE3-2	USB mode
Set.6	EUT+ AE1 + AE3-3	USB mode

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	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-18000MHz,>90dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
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. =35 %, Max. = 60 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-10000MHz,>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-18000MHz,>90dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω
Voltage Standing Wave Ratio (VSWR)	≤ 6 dB, from 1 to 18 GHz, 3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 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	ESCI	100701	R&S	2016.08.10	1 year
2.	Spectrum Analyzer	FSP 40	100378	R&S	2016.12.18	1 year
3.	BiLog Antenna	VULB9163	9163 329	Schwarzbeck	2017.01.20	3 years
4.	LISN	ESH2-Z5	100196	R&S	2017.01.12	1 year
5.	Horn Antenna	3117	00066585	ETS-Lindgren	2019.03.05	3 years
6.	Universal Radio Communication Tester	E5515C	GB44051324	Agilent	2017.05.18	1 year
7.	PC	M4099t	SA08850737	Lenovo	/	/
8.	Monitor	L1710d	0M04340B10 01010	Lenovo	/	/
9.	Printer	P1008	VNF6C12491	HP	/	/
10.	Keyboard	KB-0225	0723779	Lenovo	/	/
11.	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:

Charging mode: The EUT is working in Idle mode, synchronized with the Universal Radio Communication Tester, charging by the power adaptor.

USB mode: The EUT is connected to a PC via a USB cable. With software, a specific data file is copied from PC to EUT, and when it's finished, the EUT will delete it automatically. This action is repeating till the test ended. The model of the PC is Lenovo Thinkcentre M4099t, and the serial number of the PC is SA08850737.

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_{PL} : Path Loss

P_{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 μ V/m)
14492.500000	56.1	V	11.8	17.9	74.0
15088.000000	57.0	H	12.1	17.0	74.0
15680.500000	58.6	H	12.6	15.4	74.0
15961.000000	58.0	H	13.0	16.0	74.0
16741.500000	59.2	V	13.9	14.8	74.0
17348.500000	58.3	V	14.0	15.7	74.0

Set.1 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dB μ V/m)
14533.000000	44.5	H	11.9	9.5	54.0
15155.500000	45.2	V	12.1	8.8	54.0
15691.500000	46.7	V	12.7	7.3	54.0
16291.500000	46.5	H	13.3	7.5	54.0
16818.000000	47.0	V	13.9	7.0	54.0
17353.500000	46.7	V	14.0	7.3	54.0

Set.2 Charging mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dBμV/m)
14257.000000	56.0	H	11.3	18.0	74.0
15162.000000	56.8	V	12.1	17.2	74.0
15694.000000	58.5	V	12.7	15.5	74.0
16259.500000	58.4	H	13.2	15.6	74.0
16697.500000	59.4	H	13.8	14.6	74.0
17281.000000	58.6	V	13.9	15.4	74.0

Set.2 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dBμV/m)
14525.500000	44.1	H	11.8	9.9	54.0
15169.000000	45.1	V	12.1	8.9	54.0
15683.000000	46.5	H	12.6	7.5	54.0
16215.500000	46.9	H	13.1	7.1	54.0
16784.500000	47.4	H	13.9	6.6	54.0
17284.500000	47.1	V	13.9	6.9	54.0

Set.3 Charging mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dBμV/m)
14545.500000	55.8	V	11.9	18.2	74.0
15078.000000	56.6	H	12.1	17.4	74.0
15694.500000	58.7	V	12.7	15.3	74.0
16236.500000	58.8	V	13.1	15.2	74.0
16781.000000	59.3	H	13.9	14.7	74.0
17323.000000	58.6	V	14.0	15.4	74.0

Set.3 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dBμV/m)
14547.500000	43.9	H	11.9	10.1	54.0
15167.000000	45.0	H	12.1	9.0	54.0
15681.000000	46.4	V	12.6	7.6	54.0
16218.000000	46.8	V	13.1	7.2	54.0
16755.500000	47.4	V	13.9	6.6	54.0
17264.500000	46.9	V	13.9	7.1	54.0

Set.4 USB mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dB μ V/m)
14547.000000	55.8	V	11.9	18.2	74.0
15080.500000	56.7	H	12.1	17.3	74.0
15750.000000	59.1	V	12.8	14.9	74.0
16195.500000	58.1	V	13.1	15.9	74.0
16735.500000	58.2	H	13.8	15.8	74.0
17262.500000	57.7	V	13.9	16.3	74.0

Set.4 USB mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dB μ V/m)
14520.000000	44.2	H	11.8	9.8	54.0
15126.000000	44.7	V	12.1	9.3	54.0
15757.500000	46.2	H	12.8	7.8	54.0
16198.500000	45.6	V	13.1	8.4	54.0
16820.500000	46.3	H	13.9	7.7	54.0
17273.500000	45.7	H	13.9	8.3	54.0

Set.5 USB mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dB μ V/m)
14527.500000	56.1	H	11.8	17.9	74.0
15152.000000	57.4	V	12.1	16.6	74.0
15820.500000	58.0	V	12.8	16.0	74.0
16188.500000	58.2	H	13.1	15.8	74.0
16768.000000	58.4	H	13.9	15.6	74.0
17386.500000	58.2	H	14.0	15.8	74.0

Set.5 USB mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dB μ V/m)
14540.500000	44.4	H	11.9	9.6	54.0
15175.000000	45.0	V	12.1	9.0	54.0
15683.500000	46.3	V	12.6	7.7	54.0
16219.000000	46.3	H	13.1	7.7	54.0
16734.500000	46.7	H	13.8	7.3	54.0
17405.000000	46.3	H	14.0	7.7	54.0

Set.6 USB mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dBμV/m)
14535.500000	56.4	H	11.9	17.6	74.0
15114.000000	57.3	V	12.1	16.7	74.0
15705.500000	58.0	V	12.7	16.0	74.0
16217.500000	58.1	V	13.1	15.9	74.0
16708.500000	57.9	H	13.8	16.1	74.0
17307.000000	58.0	H	13.9	16.0	74.0

Set.6 USB mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A _{Rpl} (dB)	Margin(dB)	Limit (dBμV/m)
14538.000000	44.3	H	11.9	9.7	54.0
15164.000000	44.9	V	12.1	9.1	54.0
15750.500000	46.0	V	12.8	8.0	54.0
16206.500000	46.0	H	13.1	8.0	54.0
16836.500000	46.6	H	13.9	7.4	54.0
17273.500000	46.2	H	13.9	7.8	54.0

Note: The measurement result of Set.1,Set.2,Set.3,Set.4, Set.5, and Set.6 showed here are worst cases of combinations of different batteries and USB cables.

Charging mode: Set 1

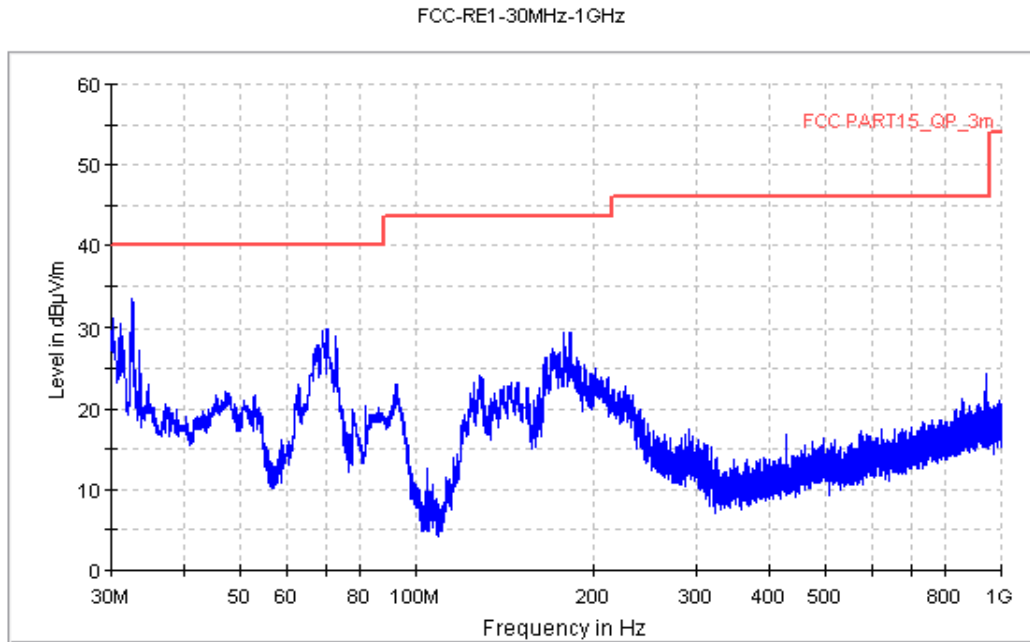


Figure A.1 Radiated Emission from 30MHz to 1GHz

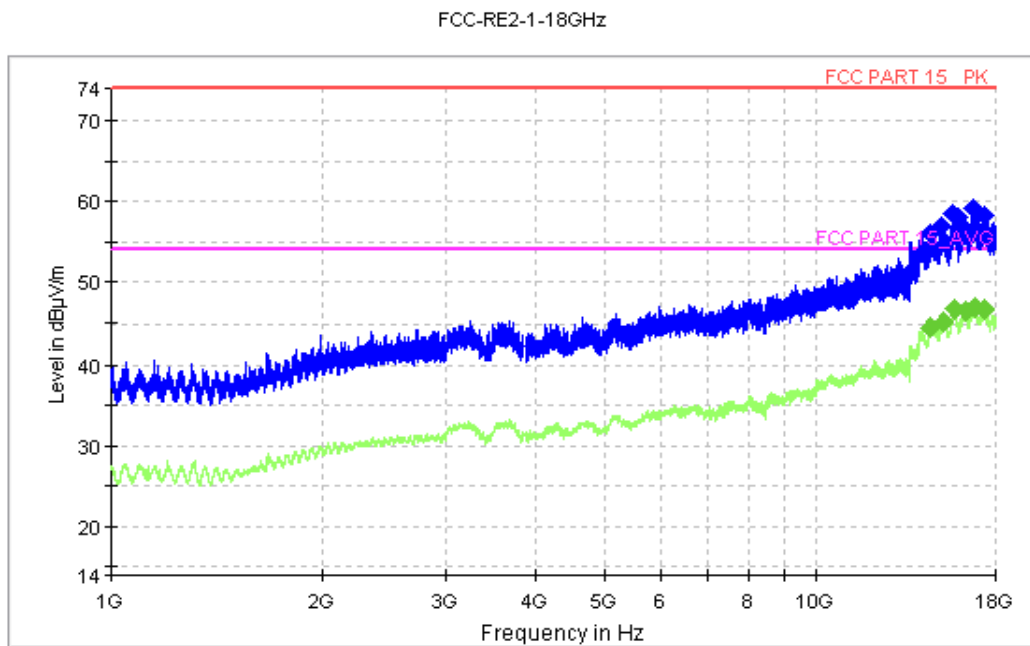


Figure A.2 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 2

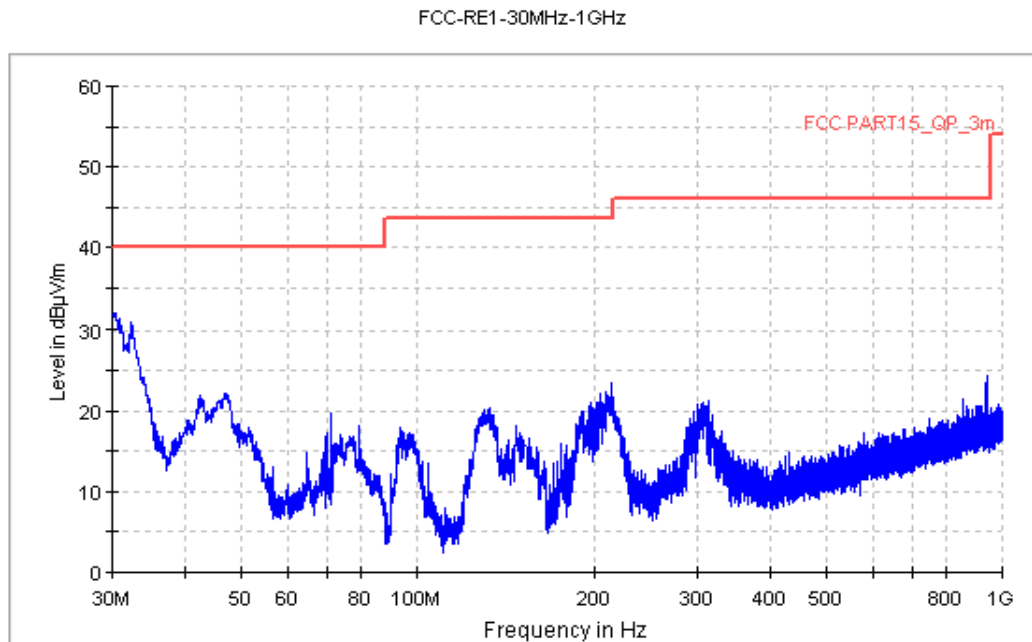


Figure A.3 Radiated Emission from 30MHz to 1GHz

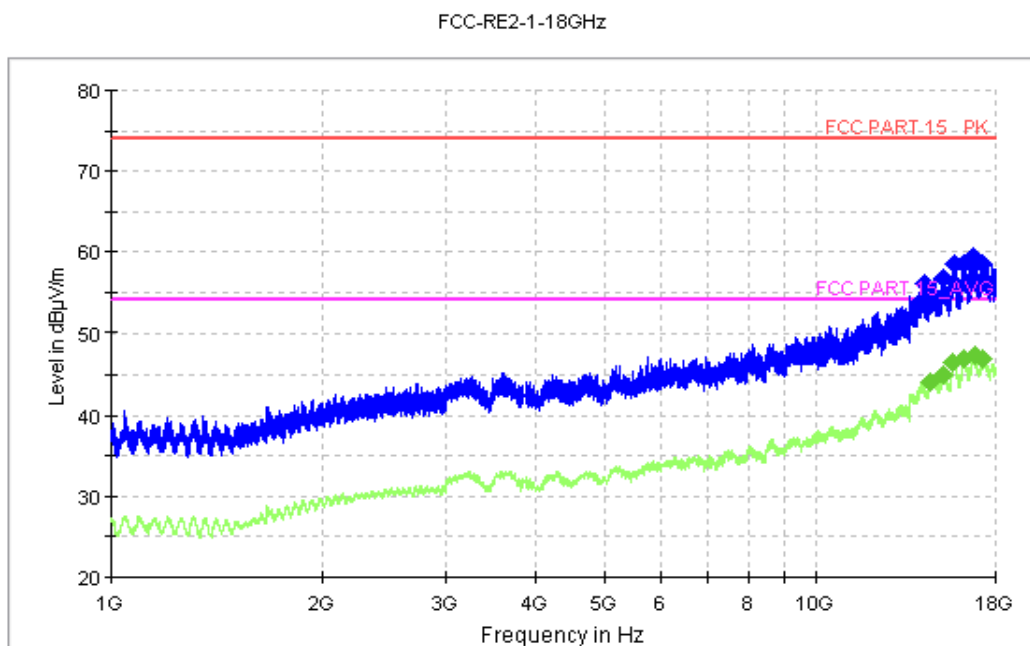


Figure A.4 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 3

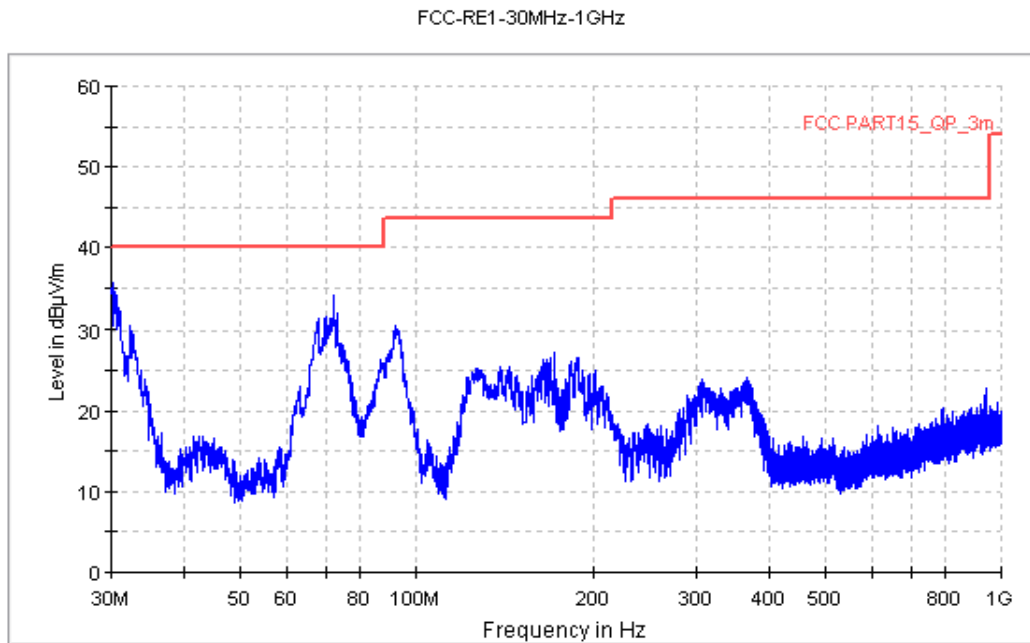


Figure A.5 Radiated Emission from 30MHz to 1GHz

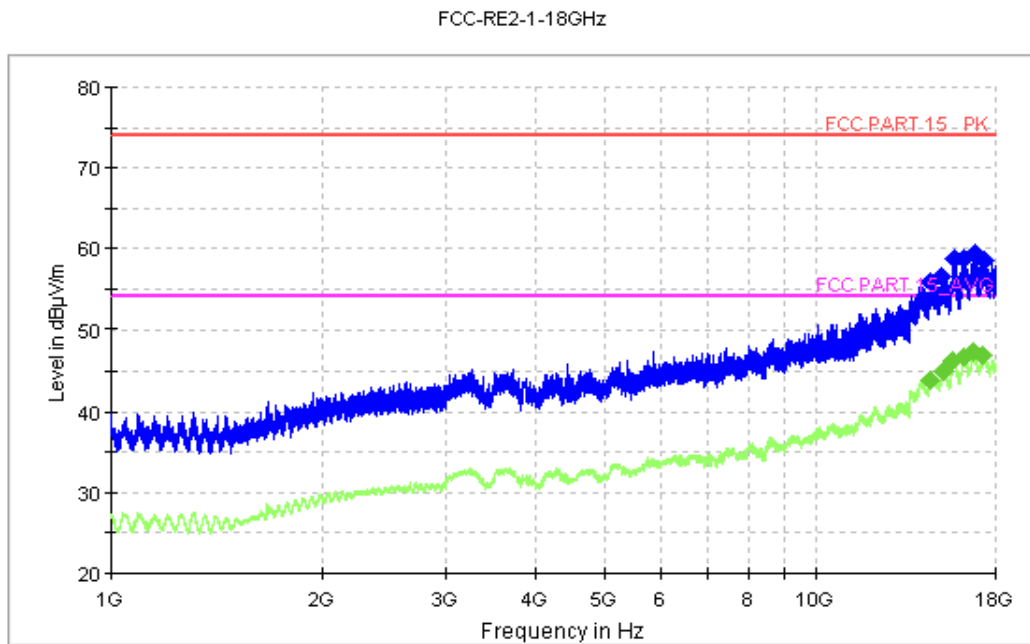


Figure A.6 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 4

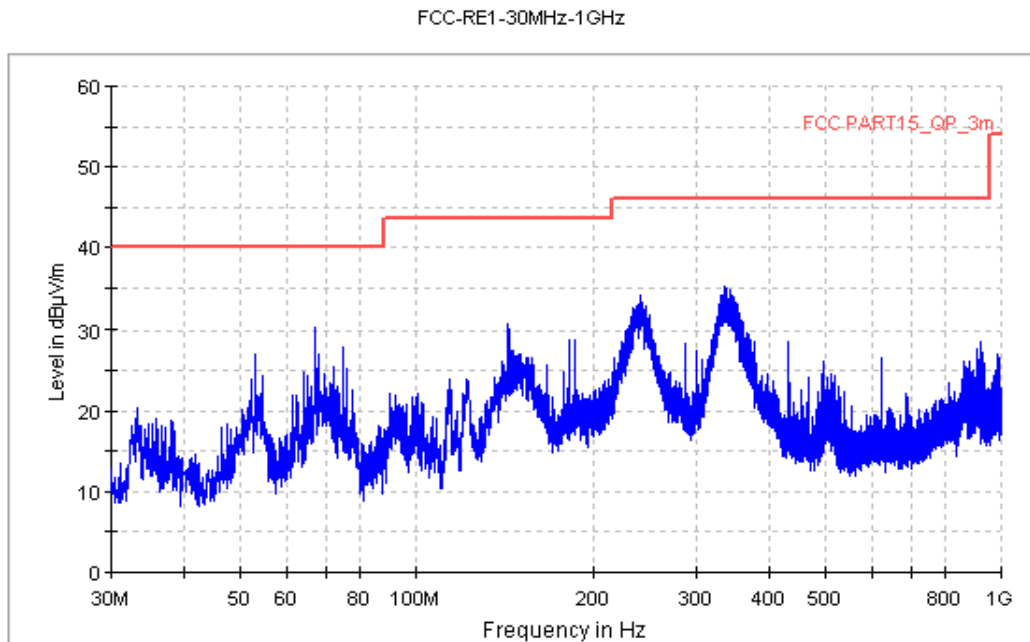


Figure A.7 Radiated Emission from 30MHz to 1GHz

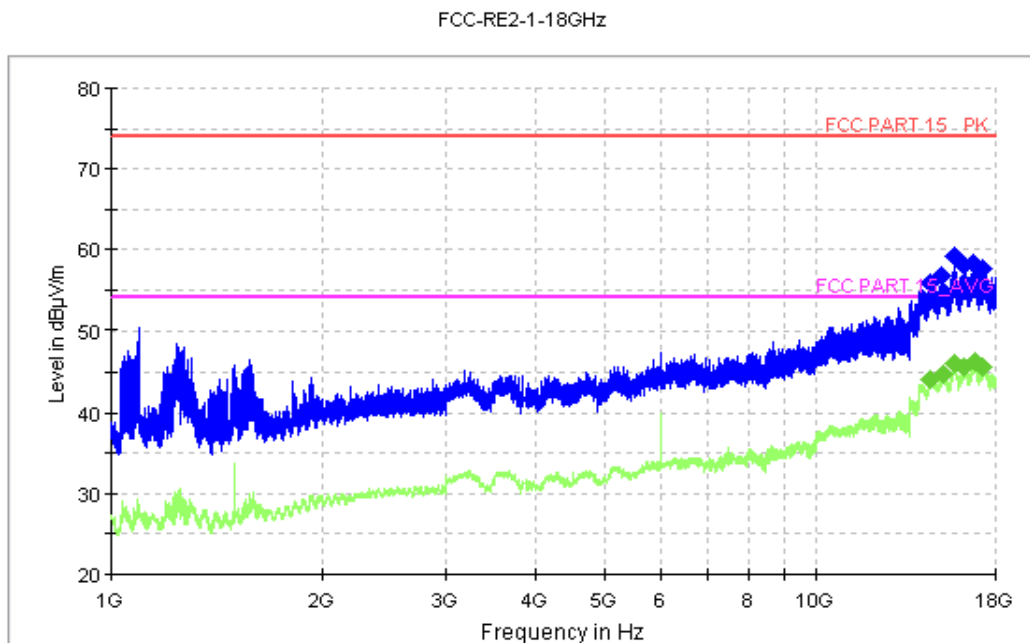


Figure A.8 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 5

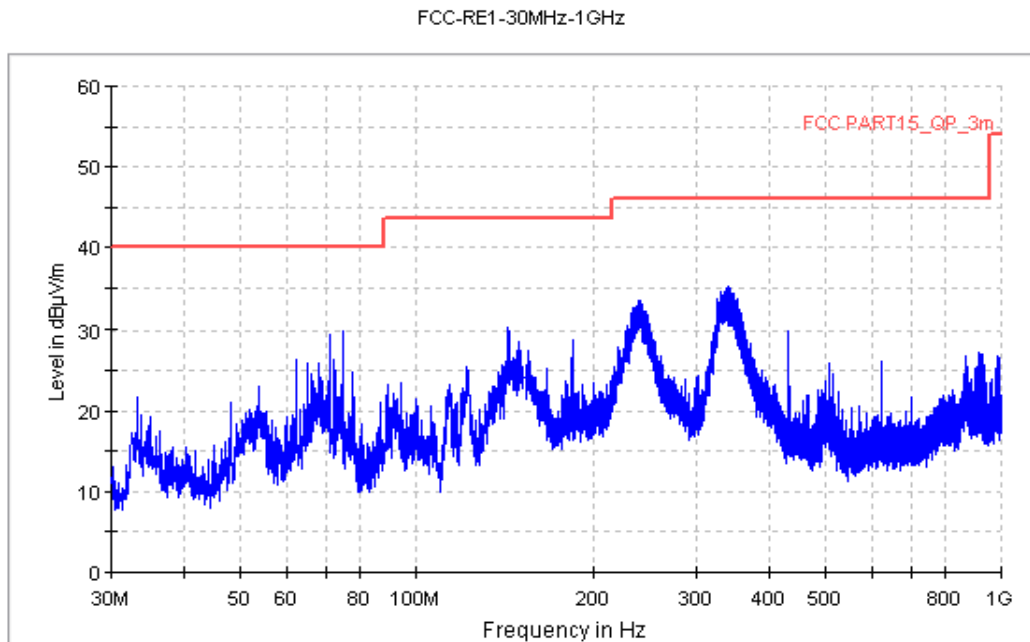


Figure A.9 Radiated Emission from 30MHz to 1GHz

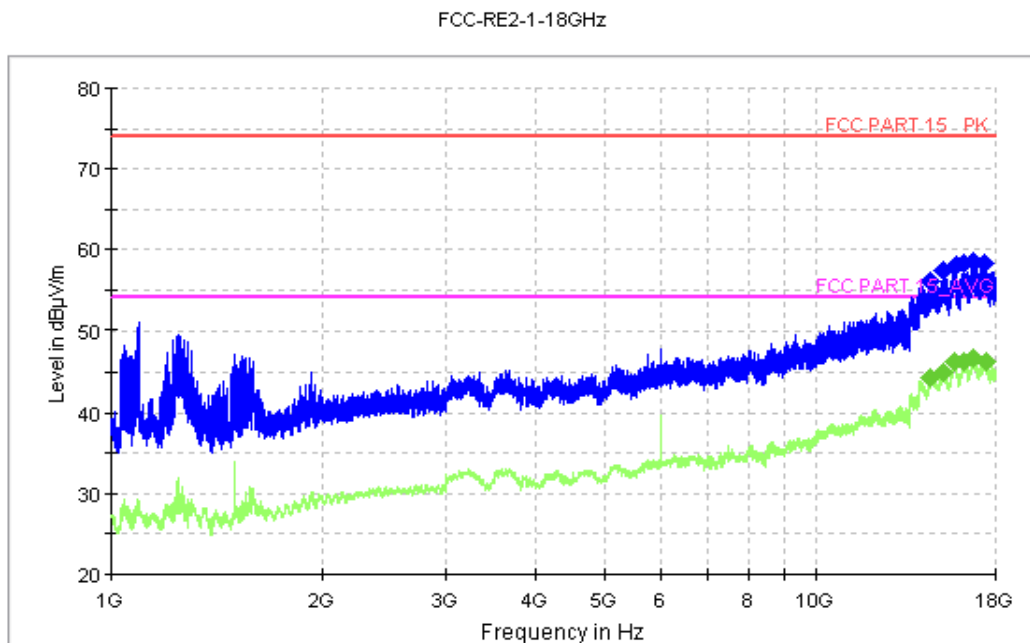


Figure A.10 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 6

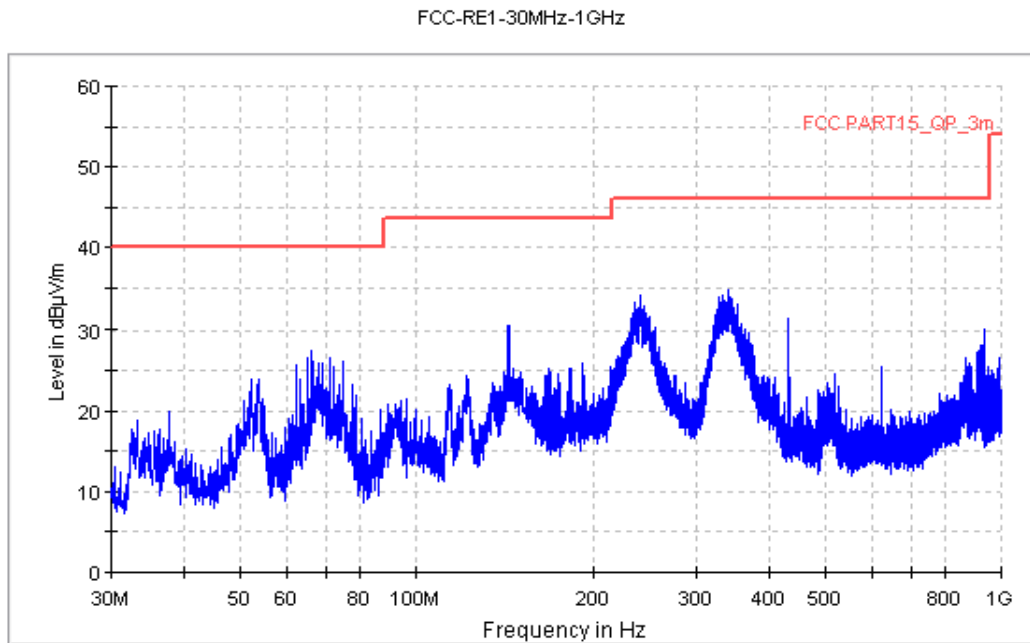


Figure A.11 Radiated Emission from 30MHz to 1GHz

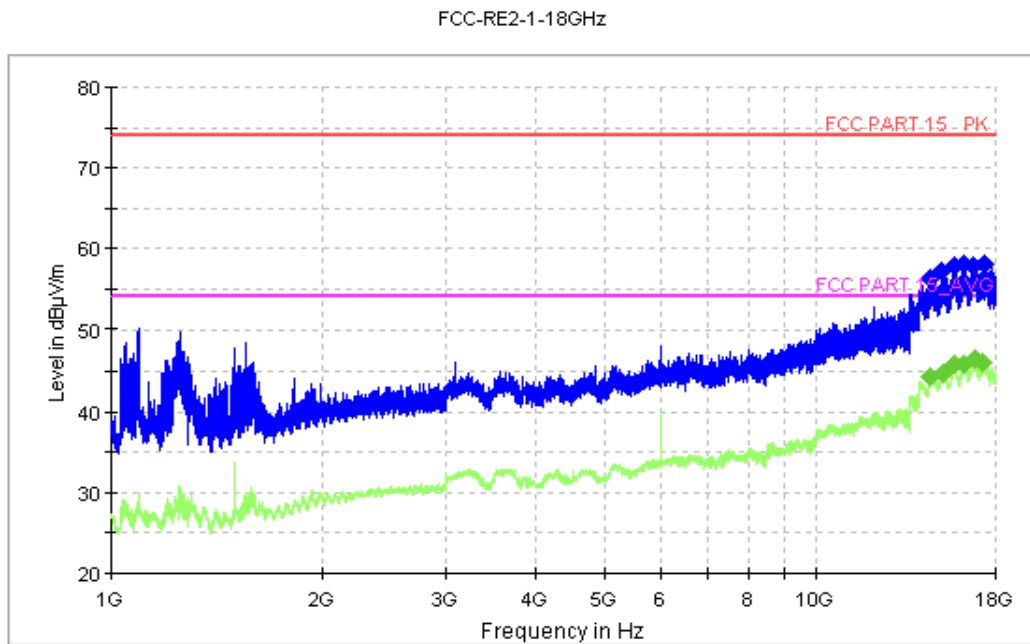


Figure A.12 Radiated Emission from 1GHz to 18GHz

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:

Charging mode: The EUT is working in Idle mode, synchronized with the Universal Radio Communication Tester, charging by the power adaptor.

USB mode: The EUT is connected to a PC via a USB cable. With software, a specific data file is copied from PC to EUT, and when it's finished, the EUT will delete it automatically. This action is repeating till the test ended. The model of the PC is Lenovo Thinkcentre M4099t, and the serial number of the PC is SA08850737.

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dB μ 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

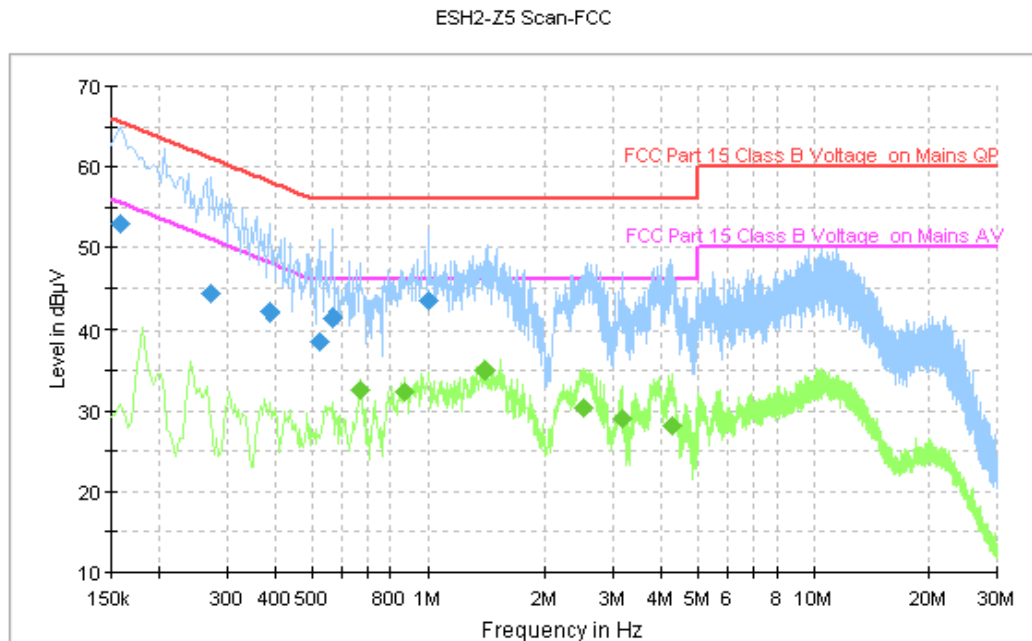


Figure A.13 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	53.0	GND	N	10.1	12.6	65.6
0.274000	44.4	GND	N	10.1	16.6	61.0
0.390000	42.1	GND	N	10.0	15.9	58.1
0.522000	38.7	GND	N	10.1	17.3	56.0
0.566000	41.5	GND	N	10.1	14.5	56.0
1.006000	43.4	GND	N	10.1	12.6	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.666000	32.7	GND	N	10.0	13.3	46.0
0.874000	32.4	GND	N	10.1	13.6	46.0
1.402000	35.0	GND	N	10.1	11.0	46.0
2.530000	30.4	GND	L1	10.2	15.6	46.0
3.166000	29.0	GND	N	10.2	17.0	46.0
4.266000	28.1	GND	L1	10.2	17.9	46.0

Charging mode:Set.2

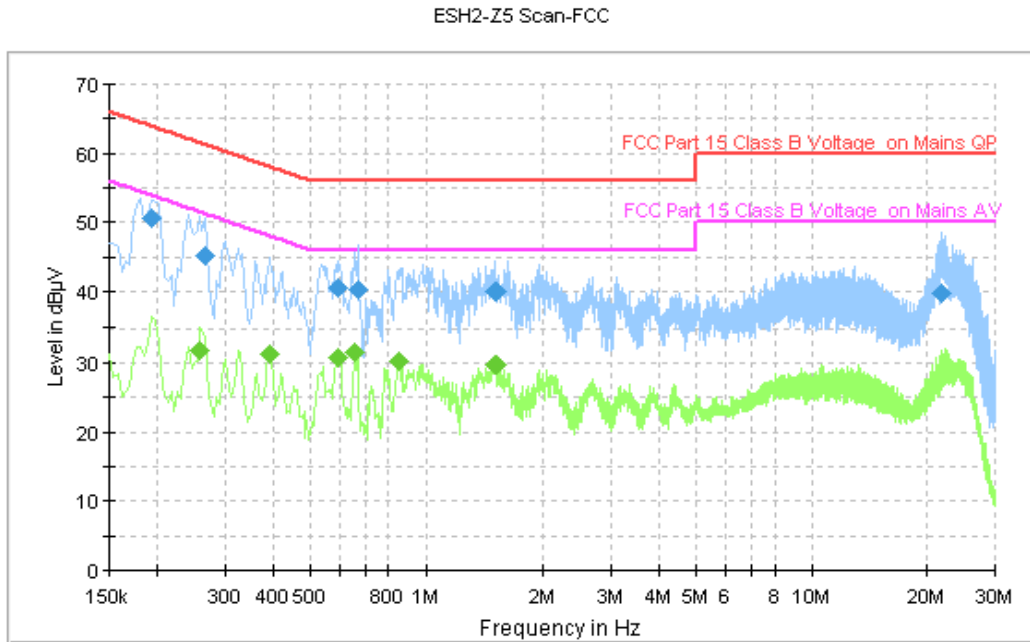


Figure A.14 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.194000	50.6	GND	L1	10.0	13.2	63.9
0.266000	45.3	GND	L1	10.0	15.9	61.2
0.590000	40.4	GND	L1	10.1	15.6	56.0
0.666000	40.4	GND	L1	10.0	15.6	56.0
1.506000	40.0	GND	L1	10.1	16.0	56.0
21.742000	39.7	GND	L1	10.6	20.3	60.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.258000	31.8	GND	L1	10.0	19.7	51.5
0.394000	31.2	GND	L1	10.0	16.7	48.0
0.590000	30.7	GND	L1	10.1	15.3	46.0
0.650000	31.4	GND	L1	10.0	14.6	46.0
0.850000	30.3	GND	L1	10.0	15.7	46.0
1.506000	29.7	GND	L1	10.1	16.3	46.0

Charging mode:Set.3

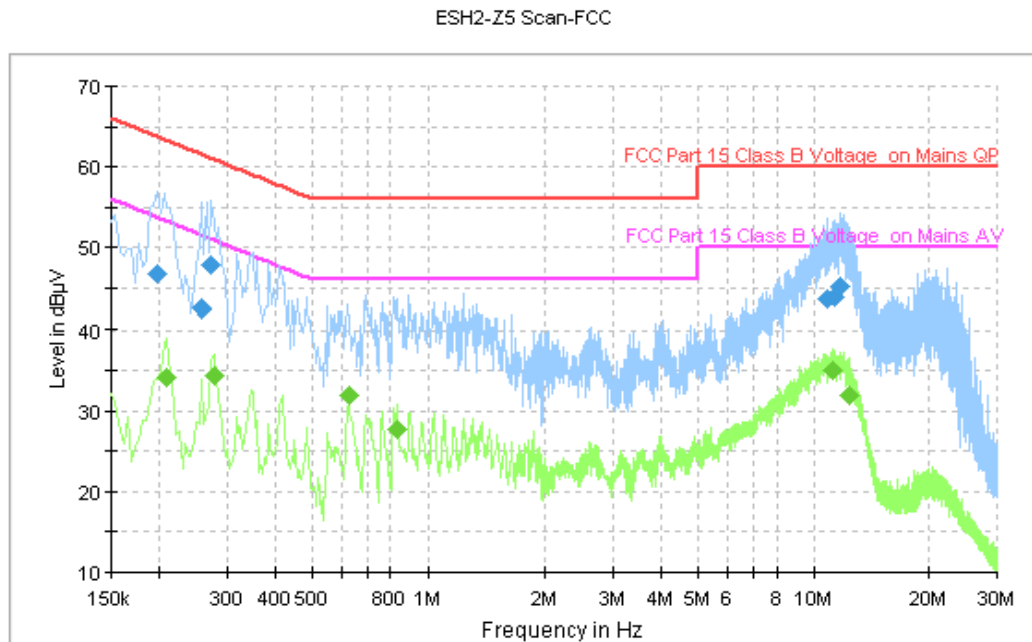


Figure A.15 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	46.8	GND	N	10.1	16.9	63.7
0.258000	42.5	GND	L1	10.0	19.0	61.5
0.274000	47.8	GND	N	10.1	13.2	61.0
10.854000	43.6	GND	N	10.4	16.4	60.0
11.334000	44.0	GND	N	10.4	16.0	60.0
11.706000	45.2	GND	L1	10.3	14.8	60.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.210000	34.1	GND	L1	10.0	19.1	53.2
0.278000	34.4	GND	L1	10.0	16.5	50.9
0.622000	31.9	GND	L1	10.0	14.1	46.0
0.830000	27.8	GND	L1	10.0	18.2	46.0
11.202000	35.0	GND	L1	10.3	15.0	50.0
12.418000	32.0	GND	L1	10.4	18.0	50.0

USB mode:Set.4

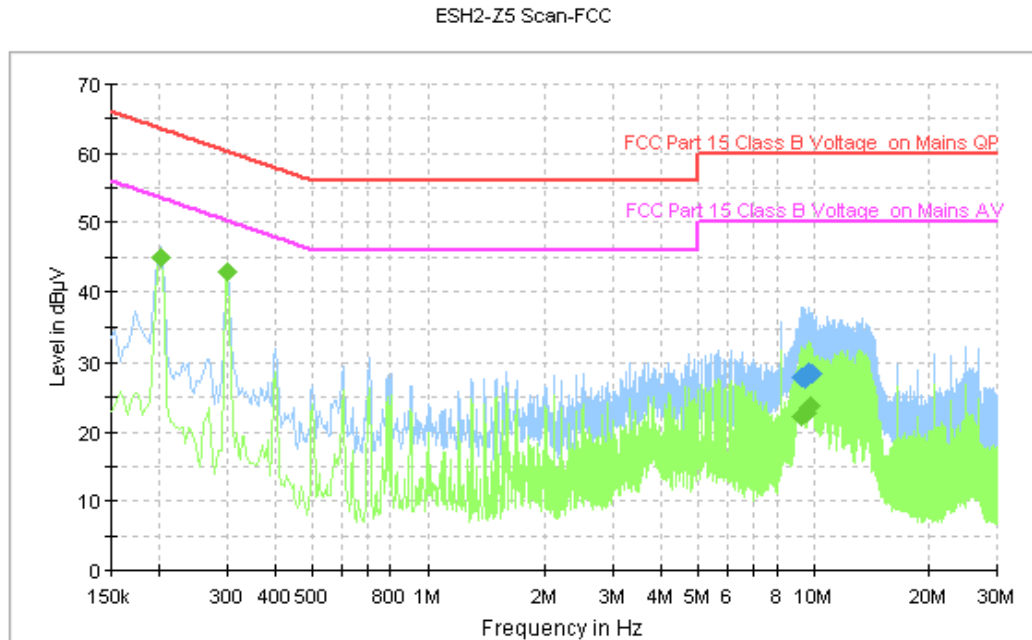


Figure A.16 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.202000	45.0	GND	N	10.1	18.5	63.5
0.302000	42.9	GND	N	10.1	17.3	60.2
9.338000	28.0	GND	N	10.3	32.0	60.0
9.542000	27.8	GND	N	10.3	32.2	60.0
9.742000	28.7	GND	N	10.3	31.3	60.0
9.942000	28.3	GND	N	10.3	31.7	60.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.202000	45.0	GND	N	10.1	8.6	53.5
0.302000	42.9	GND	N	10.1	7.3	50.2
9.338000	22.2	GND	N	10.3	27.8	50.0
9.642000	22.7	GND	N	10.4	27.3	50.0
9.742000	23.6	GND	N	10.3	26.4	50.0
9.842000	23.8	GND	N	10.3	26.2	50.0

USB mode:Set.5

ESH2-Z5 Scan-FCC

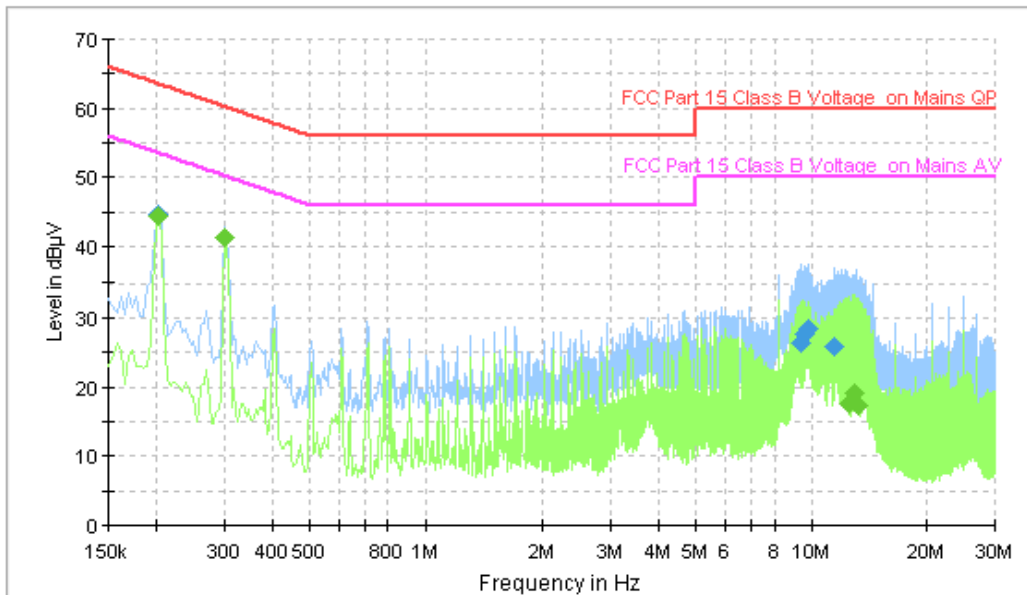


Figure A.17 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.202000	44.7	GND	L1	10.0	18.8	63.5
0.302000	41.3	GND	L1	10.0	18.9	60.2
9.414000	26.2	GND	N	10.3	33.8	60.0
9.614000	27.7	GND	N	10.4	32.3	60.0
9.814000	28.5	GND	N	10.3	31.5	60.0
11.522000	25.8	GND	L1	10.3	34.2	60.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.202000	44.5	GND	L1	10.0	9.1	53.5
0.302000	41.2	GND	L1	10.0	8.9	50.2
12.534000	17.5	GND	L1	10.4	32.5	50.0
12.838000	18.0	GND	L1	10.4	32.0	50.0
12.938000	19.1	GND	L1	10.4	30.9	50.0
13.242000	17.2	GND	L1	10.4	32.8	50.0

USB mode:Set.6

ESH2-Z5 Scan-FCC

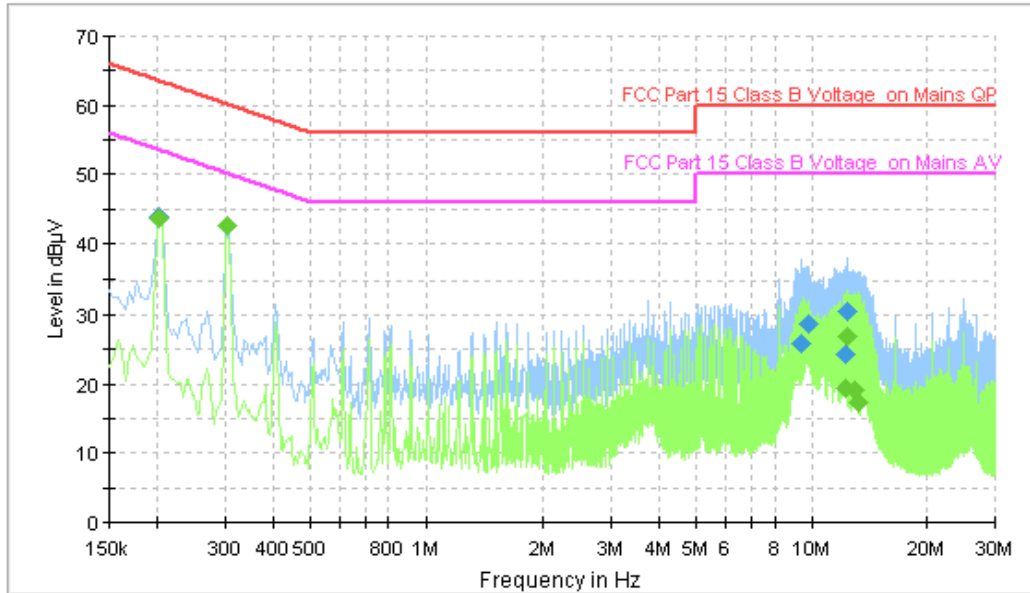


Figure A.18 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.202000	43.9	GND	L1	10.0	19.6	63.5
0.306000	42.6	GND	N	10.1	17.5	60.1
9.354000	25.9	GND	N	10.3	34.1	60.0
9.762000	28.7	GND	N	10.3	31.3	60.0
12.190000	24.4	GND	L1	10.4	35.6	60.0
12.394000	30.5	GND	L1	10.4	29.5	60.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.202000	43.7	GND	L1	10.0	9.8	53.5
0.306000	42.5	GND	N	10.1	7.5	50.1
12.190000	19.3	GND	L1	10.4	30.7	50.0
12.394000	26.9	GND	L1	10.4	23.1	50.0
12.902000	19.1	GND	L1	10.4	30.9	50.0
13.206000	17.4	GND	L1	10.4	32.6	50.0

END OF REPORT