TEST REPORT

No.I16N00249-EMC

for

Huawei Technologies Co., Ltd.

Smart Phone

Model Name: HUAWEI CUN-L33，CUN-L33

Marketing Name: HUAWEI Y5II

FCC ID: QISCUN-L33

with

Hardware Version: Ver.A

Software Version: CUN-L33C464B001

Issued Date: 2016-03-23

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:

CTTL, Telecommunication Technology Labs, Academy of Telecommunication Research, MIIT

No.52, HuayuanNorth Road, Haidian District, Beijing, P. R. China 100191.

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I16N00249-EMC	Rev.0	1st edition	2016-03-23

CONTENTS

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℃
Relative Humidity:	20-75%

1.3. Project data

Testing Start Date:	2016-03-10
Testing End Date:	2016-03-17

1.4. Signature

Liang Yong
(Prepared this test report)

Du Zhaoxuan
(Reviewed this test report)

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 CUN-L33，CUN-L33
Marketing Name	HUAWEI Y5II
FCC ID	QISCUN-L33
TX Band	GSM850/1900,WCDMA Band 2/4/5,LTE Band 2/4/7/13/17
RX Band	GSM850/1900,WCDMA Band 2/4/5, LTE Band 2/4/713/17

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

EUT ID*	SN or IMEI
EUT	869891020201655

*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	HB4342A1RBC
Manufacturer	SCUD (FUJIAN) Electronics Co., Ltd.
Capacitance	2200mAh
Nominal voltage	3.8V

AE1-2

Model	HB4342A1RBC
Manufacturer	Sunwoda Electronic Co., LTD.
Capacitance	2200mAh
Nominal voltage	3.8V

AE2-1

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

SN	B66660F3G00021
AE2-2	
Model	HW-050100E01
Manufacturer	BYD Company Limited
Length of cable	/
SN	B66799F5F00383
AE2-3	
Model	HW-050100U01
Manufacturer	SHENZHEN HUNTKEY ELECTRIC CO., LTD
Length of cable	/
SN	H666LGF4M07273
AE2-4	
Model	HW-050100E01
Manufacturer	SHENZHEN HUNTKEY ELECTRIC CO., LTD
Length of cable	/
SN	H667LJF7L06674
AE2-5	
Model	HW-050100E01
Manufacturer	Dongguan Phitek Electronics Co., Ltd
Length of cable	/
SN	P66707F9F18319
AE2-6	
Model	HW-050100U01
Manufacturer	Dongguan Phitek Electronics Co., Ltd
Length of cable	/
SN	P66605F7A00061
AE2-7	
Model	HW-050100B01
Manufacturer	BYD Company Limited
Length of cable	/
SN	/
AE2-8	
Model	HW-050100A01
Manufacturer	BYD Company Limited
Length of cable	/
SN	/
AE2-9	
Model	HW-050100B01
Manufacturer	SHENZHEN HUNTKEY ELECTRIC CO., LTD
Length of cable	/
SN	/
AE2-10	
Model	HW-050100A01
Manufacturer	SHENZHEN HUNTKEY ELECTRIC CO., LTD

Length of cable	/
SN	/
AE2-11	
Model	HW-050100B01
Manufacturer	Dongguan Phitek Electronics Co., Ltd
Length of cable	/
SN	/
AE2-12	
Model	HW-050100A01
Manufacturer	Dongguan Phitek Electronics Co., Ltd
Length of cable	/
SN	/
AE3-1	
Model	/
Manufacturer	CHANGSHU HONGLIN TECHNOLOGY CO.,LTD.
Length of cable	94cm
AE3-2	
Model	/
Manufacturer	FOXCONN INTERCONNECT TECHNOLOGY LIMITED.
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	EUT1+ AE1-1 + AE2-1 + AE3-1	Charging mode
Set.2	EUT1+ AE1-2 + AE2-2 + AE3-2	Charging mode
Set.3	EUT1+ AE1-1 + AE2-3 + AE3-1	Charging mode
Set.4	EUT1+ AE1-2 + AE2-4 + AE3-2	Charging mode
Set.5	EUT1+ AE1-1 + AE2-5 + AE3-1	Charging mode
Set.6	EUT1+ AE1-2 + AE2-6 + AE3-2	Charging mode
Set.7	EUT1+ AE1-1 + AE3-1	USB mode
Set.8	EUT1+ 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.

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 ℃, Max. = 30 ℃
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

Shidlded room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃
Relative humidity	Min. =35 %, Max. = 60 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4 Ω

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

Temperature	Min. = 15 ℃, Max. = 30 ℃
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.	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 (μV/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:

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

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 (dBµV/m)
14151.500000	57.9	V	13.3	16.1	74.0
15074.000000	59.2	V	14.0	14.8	74.0
15731.000000	60.4	V	14.6	13.6	74.0
16251.000000	61.4	V	15.1	12.6	74.0
16730.000000	62.4	H	15.5	11.6	74.0
17419.500000	61.8	H	16.5	12.2	74.0

Set.1 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14169.500000	46.6	V	13.4	7.4	54.0
15181.000000	47.6	V	14.3	6.4	54.0
15692.000000	49.1	H	14.5	4.9	54.0
16215.500000	49.5	H	15.1	4.5	54.0
16799.500000	50.3	V	15.8	3.7	54.0
17406.000000	50.0	V	16.4	4.0	54.0

Set.2 Charging mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14158.500000	58.6	V	13.3	15.4	74.0
15123.000000	59.0	V	14.2	15.0	74.0
15769.000000	60.2	H	14.6	13.8	74.0
16215.000000	61.6	H	15.1	12.4	74.0
16846.500000	62.2	H	16.1	11.8	74.0
17344.500000	62.1	H	16.1	11.9	74.0

Set.2 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14168.500000	46.6	H	13.4	7.4	54.0
15177.500000	47.6	V	14.3	6.4	54.0
15680.000000	49.1	H	14.5	4.9	54.0
16231.000000	49.5	H	15.1	4.5	54.0
16793.000000	50.1	H	15.8	3.9	54.0
17394.000000	49.9	V	16.4	4.1	54.0

Set.3 Charging mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14233.500000	58.3	V	13.4	15.7	74.0
15157.500000	59.2	V	14.3	14.8	74.0
15649.500000	60.6	V	14.5	13.4	74.0
16194.500000	60.8	H	15.1	13.2	74.0
16694.000000	61.7	V	15.6	12.3	74.0
17914.500000	61.9	V	16.8	12.1	74.0

Set.3 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14148.500000	46.4	V	13.3	7.6	54.0
15157.500000	47.5	V	14.3	6.5	54.0
15679.500000	49.0	V	14.5	5.0	54.0
16203.000000	49.3	V	15.1	4.7	54.0
16841.500000	49.9	H	16.1	4.1	54.0
17429.500000	49.8	H	16.4	4.2	54.0

Set.4 Charging mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14159.500000	58.2	H	13.3	15.8	74.0
15167.500000	59.4	H	14.3	14.6	74.0
15708.500000	60.6	V	14.5	13.4	74.0
16320.000000	61.5	V	15.5	12.5	74.0
16847.500000	61.6	V	16.1	12.4	74.0
17333.500000	62.3	V	16.1	11.7	74.0

Set.4 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14153.000000	46.4	V	13.3	7.6	54.0
15179.000000	47.4	V	14.3	6.6	54.0
15675.000000	48.8	V	14.5	5.2	54.0
16213.500000	49.5	V	15.1	4.5	54.0
16822.500000	50.2	V	16.0	3.8	54.0
17408.500000	50.0	V	16.5	4.0	54.0

Set.5 Charging mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14532.500000	59.3	H	13.6	14.7	74.0
14644.500000	58.9	H	13.8	15.1	74.0
15651.000000	60.8	V	14.5	13.2	74.0
16250.000000	60.7	V	15.1	13.3	74.0
16802.500000	61.6	H	15.9	12.4	74.0
17777.500000	61.8	V	16.0	12.2	74.0

Set.5 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14552.000000	46.7	H	13.7	7.3	54.0
15163.500000	47.5	H	14.3	6.5	54.0
15685.000000	48.8	V	14.5	5.2	54.0
16223.500000	49.4	V	15.1	4.6	54.0
16780.500000	50.2	V	15.7	3.8	54.0
17946.000000	49.8	V	16.9	4.2	54.0

Set.6 Charging mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14039.000000	58.0	H	13.0	16.0	74.0
15175.000000	59.6	V	14.3	14.4	74.0
15626.000000	60.4	H	14.5	13.6	74.0
16233.500000	61.7	H	15.1	12.3	74.0
16707.000000	61.7	H	15.6	12.3	74.0
17393.500000	61.4	V	16.4	12.6	74.0

Set.6 Charging mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14142.500000	46.5	V	13.3	7.5	54.0
15149.000000	47.7	V	14.3	6.3	54.0
15686.500000	48.8	H	14.5	5.2	54.0
16183.000000	49.5	V	15.1	4.5	54.0
16783.500000	49.9	H	15.7	4.1	54.0
17418.000000	49.8	H	16.5	4.2	54.0

Set.7 USB mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14129.000000	59.1	V	13.3	14.9	74.0
15163.500000	59.9	V	14.3	14.1	74.0
15572.000000	61.1	H	14.5	12.9	74.0
16096.000000	61.0	V	15.3	13.0	74.0
16701.500000	61.4	V	15.6	12.6	74.0
17358.000000	61.5	H	16.2	12.5	74.0

Set.7USB mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14537.000000	47.0	H	13.6	7.0	54.0
15154.500000	48.1	H	14.3	5.9	54.0
15675.000000	49.1	V	14.5	4.9	54.0
16205.500000	49.4	H	15.1	4.6	54.0
16797.500000	49.8	V	15.8	4.2	54.0
17406.500000	49.7	V	16.4	4.3	54.0

Set.8 USB mode / Peak detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14533.500000	58.3	H	13.6	15.7	74.0
15143.000000	59.5	V	14.3	14.5	74.0
15782.000000	60.6	H	14.7	13.4	74.0
16532.000000	61.2	H	16.0	12.8	74.0
16840.000000	62.1	H	16.1	11.9	74.0
17376.000000	61.9	V	16.3	12.1	74.0

Set.8 USB mode / Average detector

Frequency(MHz)	Result(dBuV/m)	Polarity	A_{Rpl} (dB)	Margin(dB)	Limit (dBµV/m)
14187.000000	46.9	V	13.4	7.1	54.0
15183.000000	47.8	V	14.3	6.2	54.0
15676.000000	49.1	H	14.5	4.9	54.0
16191.500000	49.6	H	15.1	4.4	54.0
16777.500000	50.2	V	15.7	3.8	54.0
17418.000000	50.1	V	16.5	3.9	54.0

Note: The measurement result of Set.1,Set.2,Set.3,Set.4, Set.5,Set.6,Set.7 and Set.8 showed here are worst cases of combinations of different batteries and USB cables.

Charging mode: Set 1

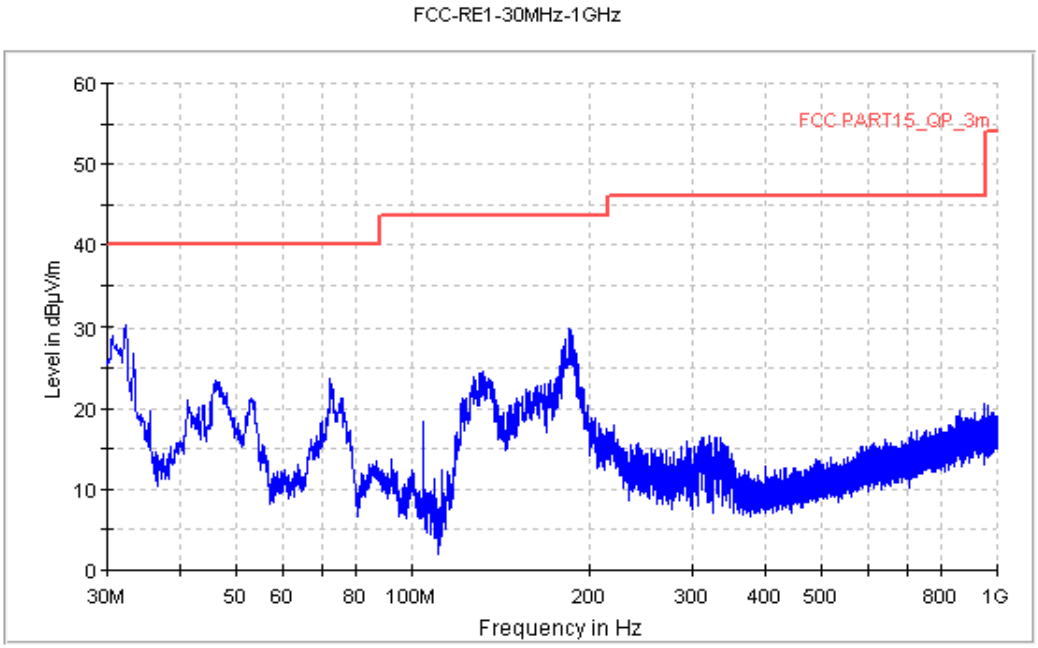

Figure A.1 Radiated Emission from 30MHz to 1GHz

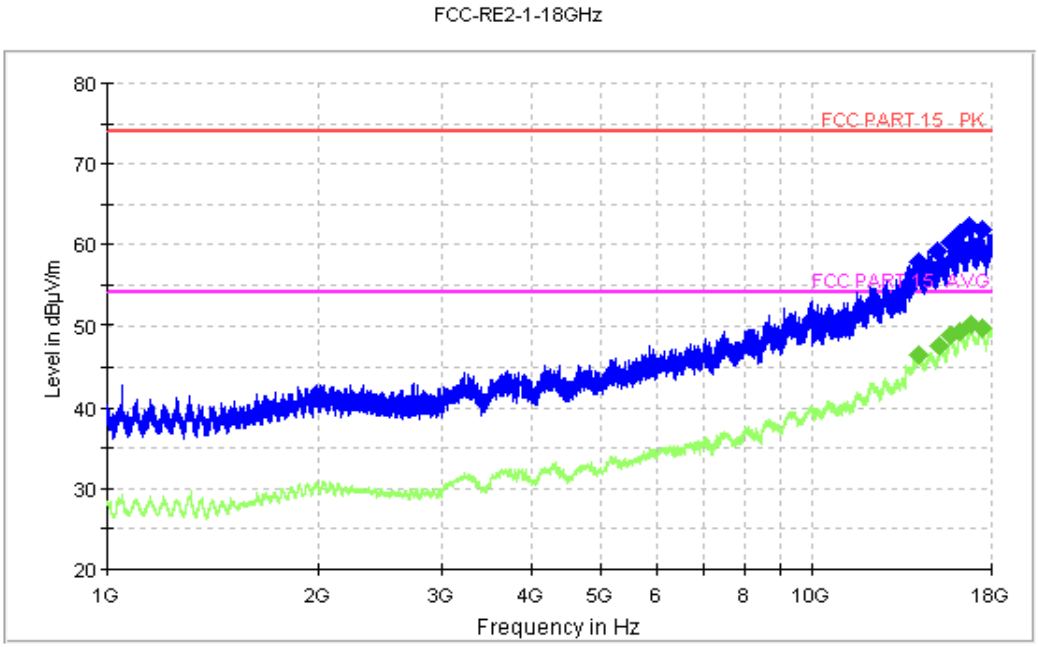

Figure A.2 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 2

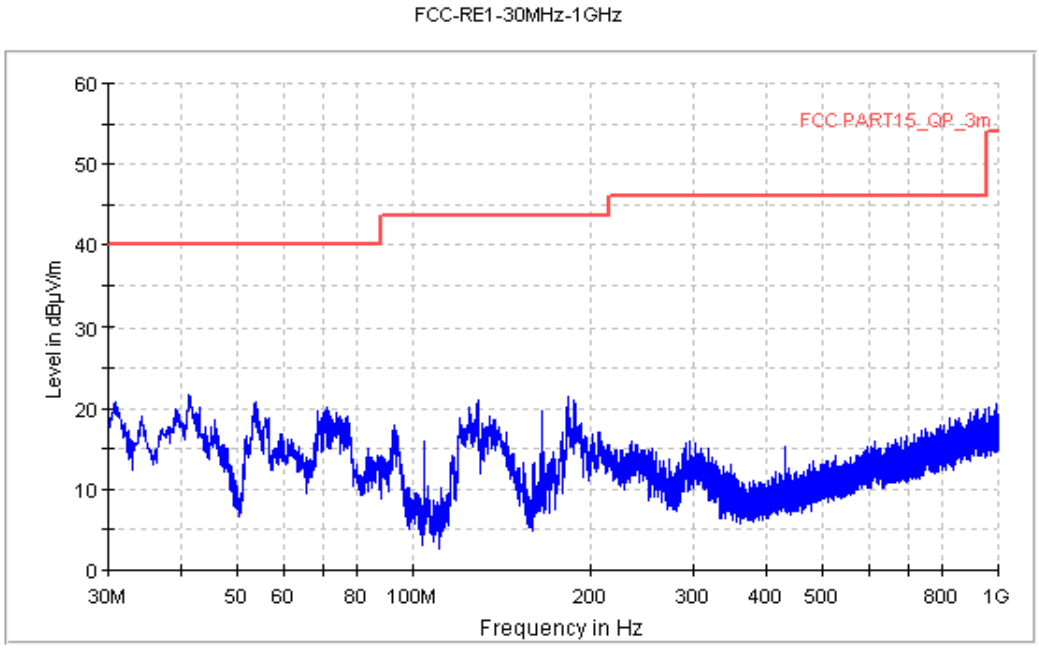

Figure A.3 Radiated Emission from 30MHz to 1GHz

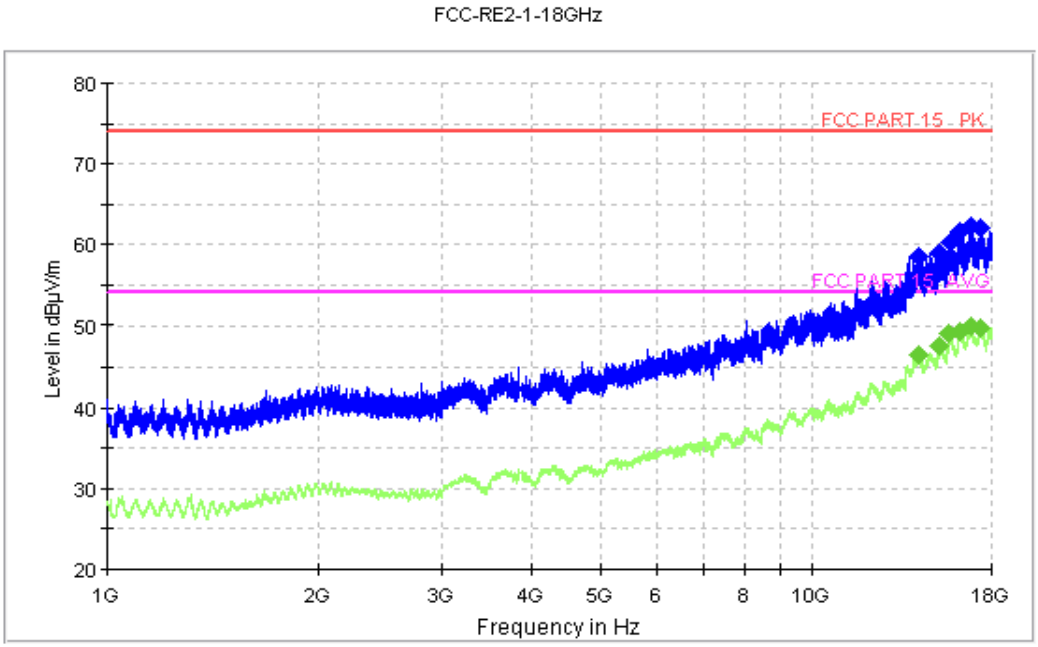

Figure A.4 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 3

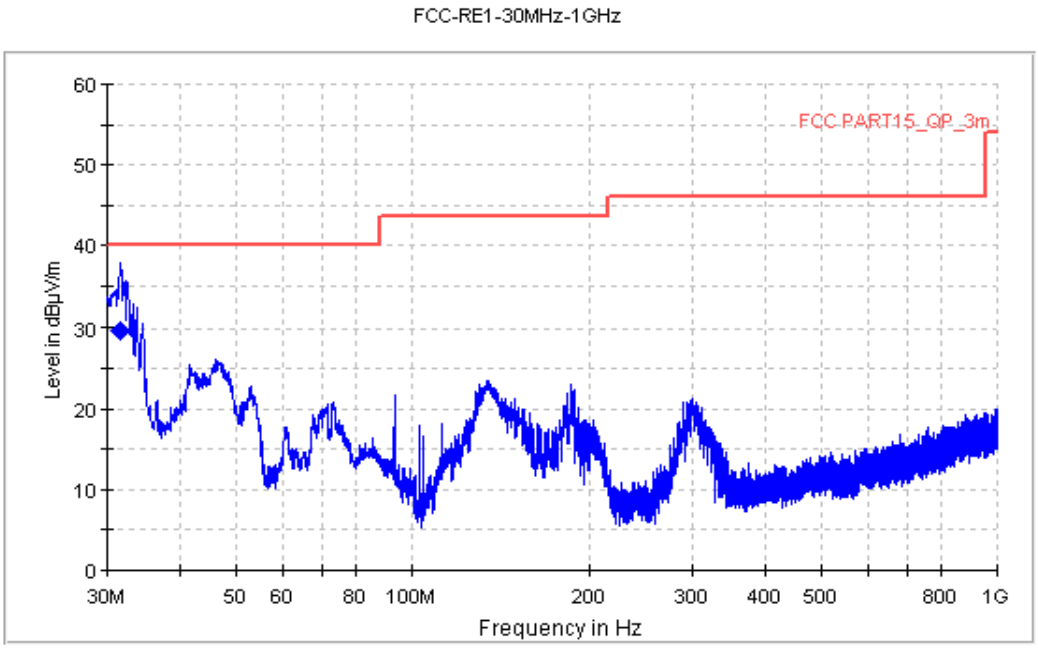

Figure A.5 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)
31.653750	29.7	120.000	V	135.0	-37.0	10.3

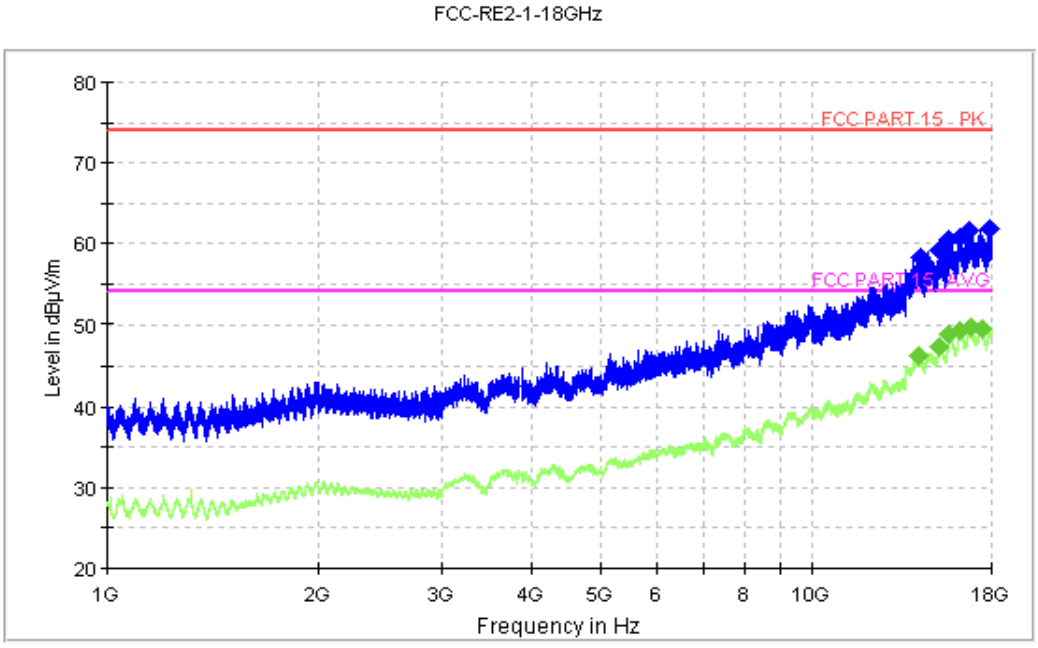

Figure A.6 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 4

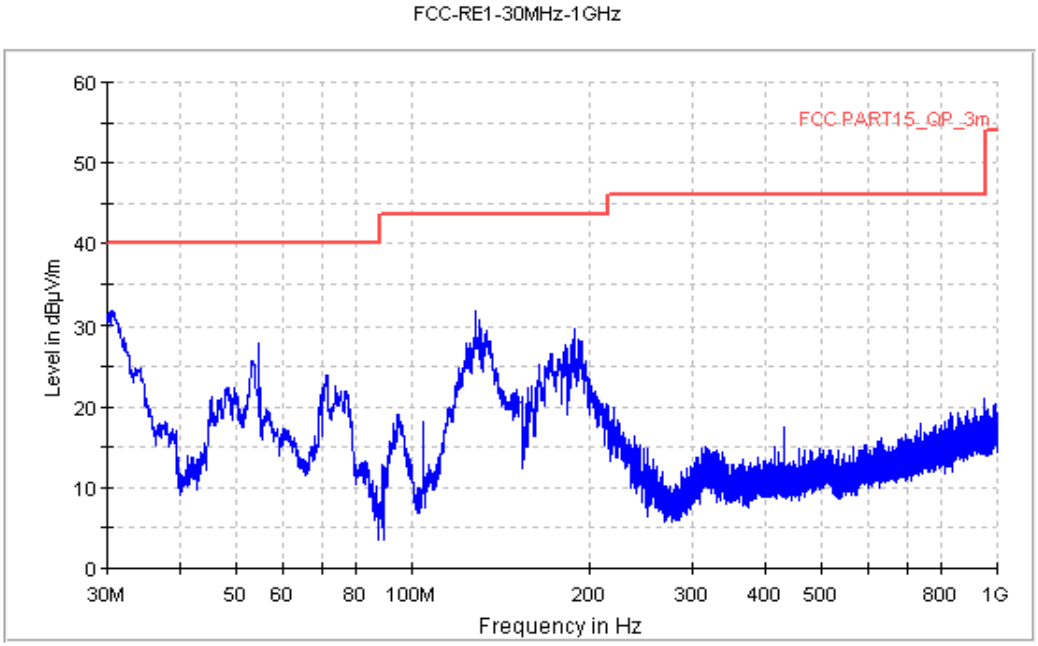

Figure A.7 Radiated Emission from 30MHz to 1GHz

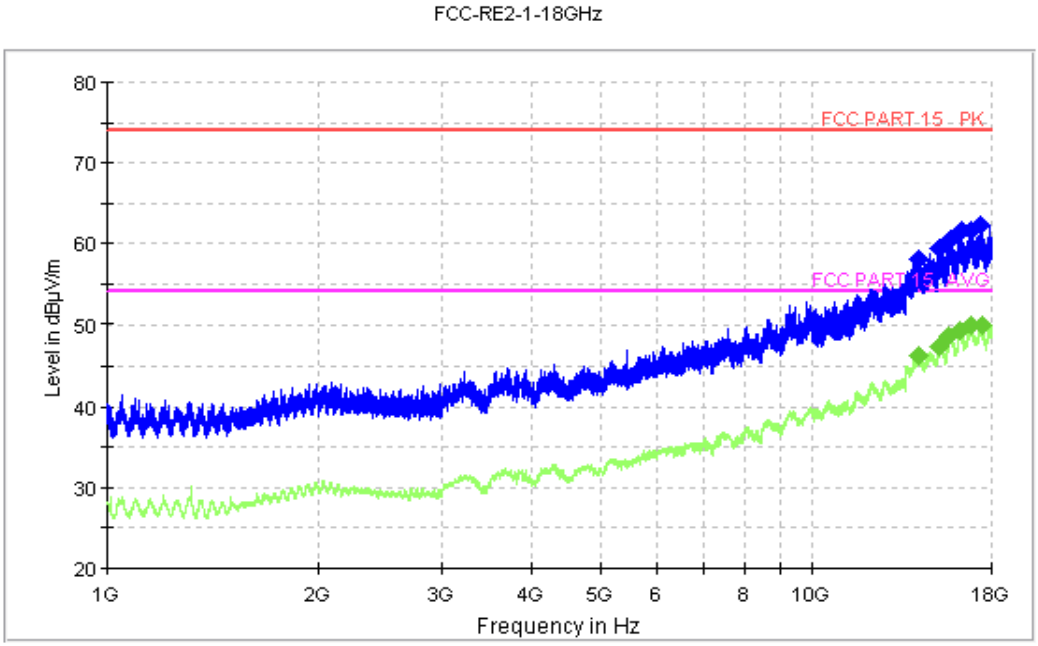

Figure A.8 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 5

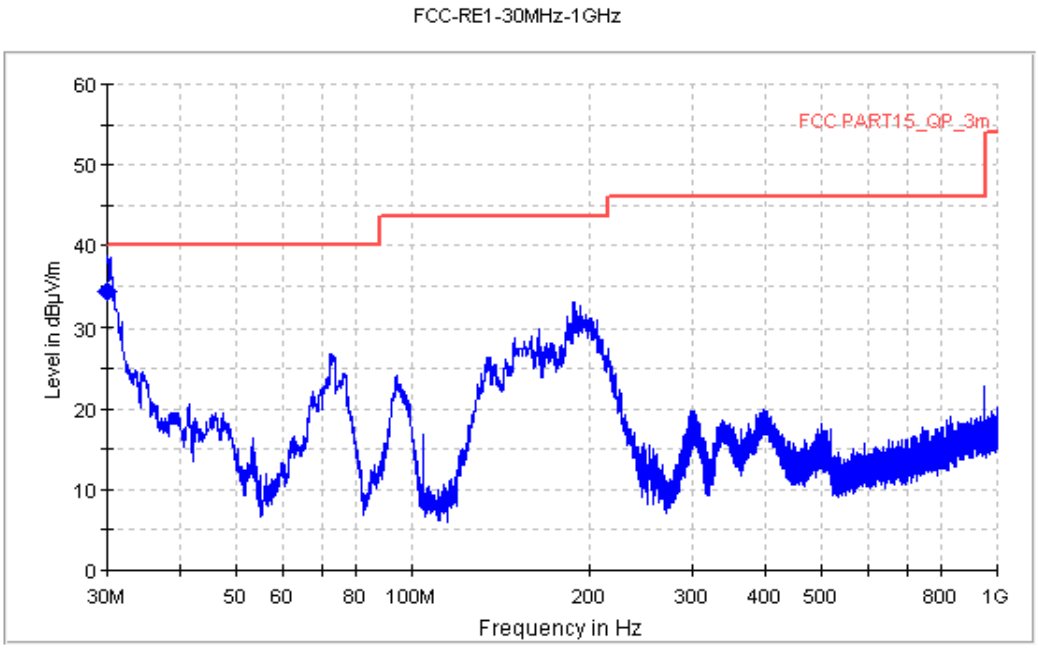

Figure A.9 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)
30.061250	34.3	120.000	V	165.0	-36.5	5.7

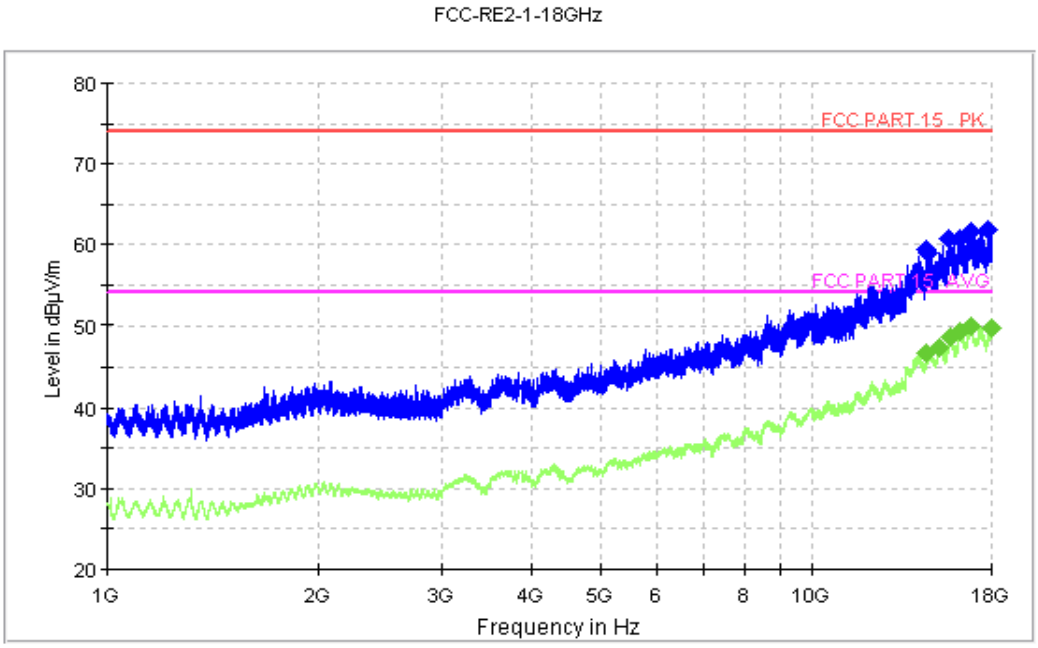

Figure A.10 Radiated Emission from 1GHz to 18GHz

Charging mode: Set 6

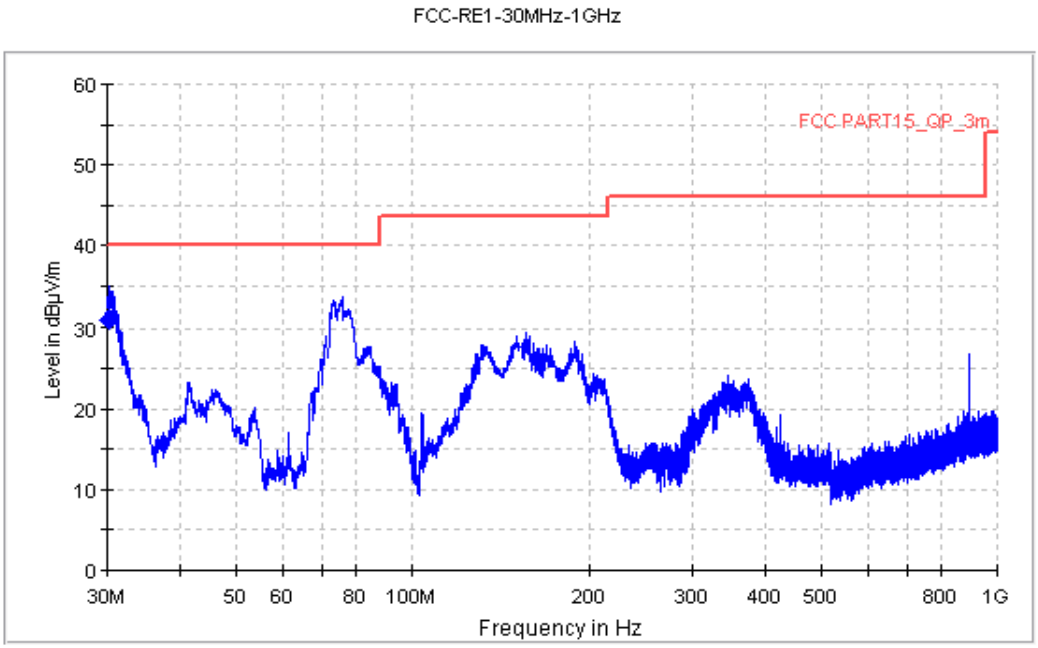

Figure A.11 Radiated Emission from 30MHz to 1GHz

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)
30.122500	31.0	120.000	V	136.0	-36.5	9.0

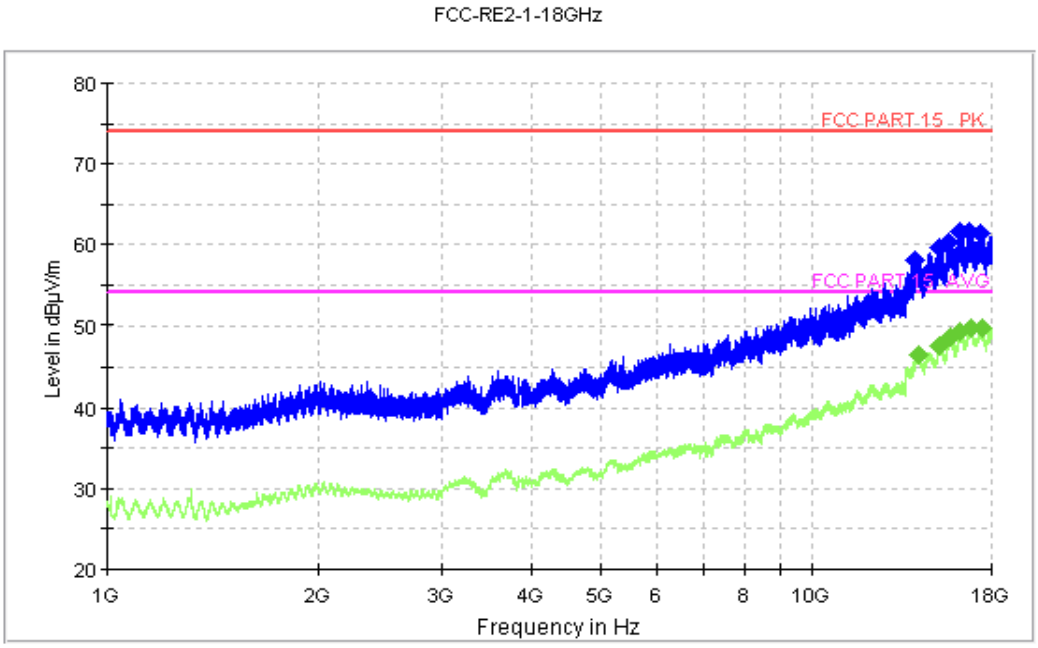

Figure A.12 Radiated Emission from 1GHz to 18GHz

USB mode: Set 7

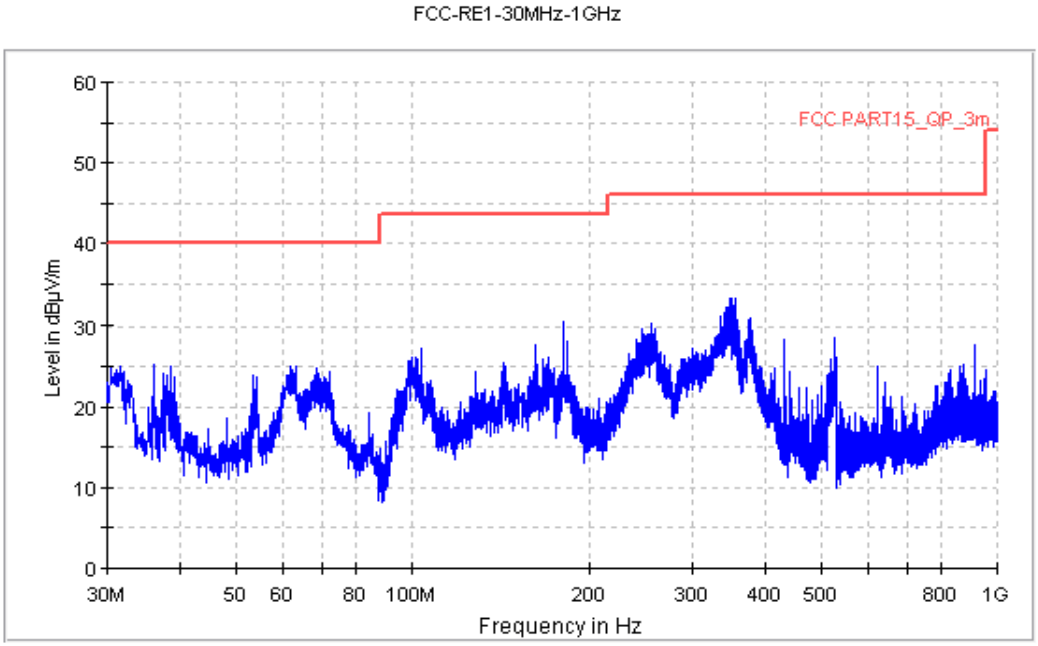

Figure A.13 Radiated Emission from 30MHz to 1GHz

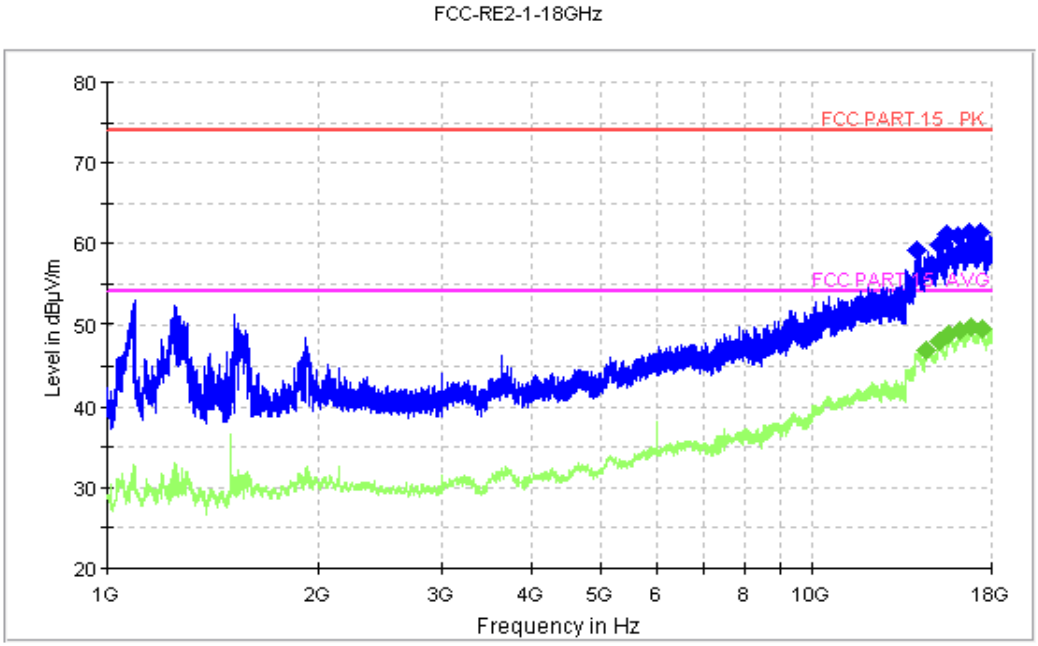

Figure A.14 Radiated Emission from 1GHz to 18GHz

USB mode: Set 8

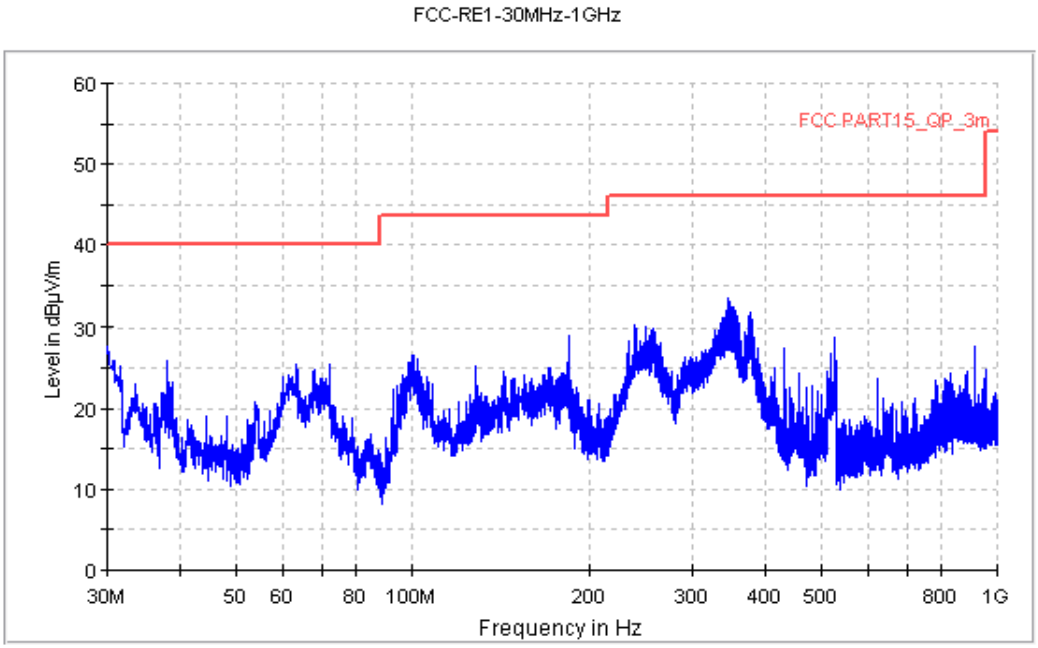

Figure A.15 Radiated Emission from 30MHz to 1GHz

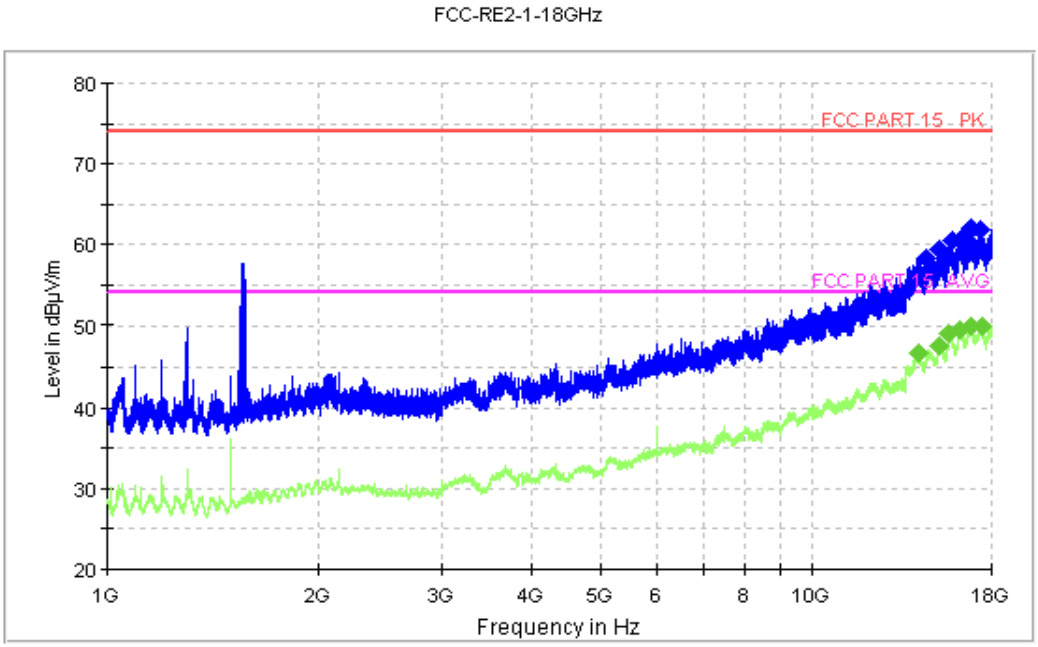

Figure A.16 Radiated Emission from 1GHz to 18GHz

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 (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	Sweep Time(s)
9kHz	1

CE Measurement uncertainty: 2.7 dB (k=2)

A.2.5 Measurement Results

Charging mode:Set.1

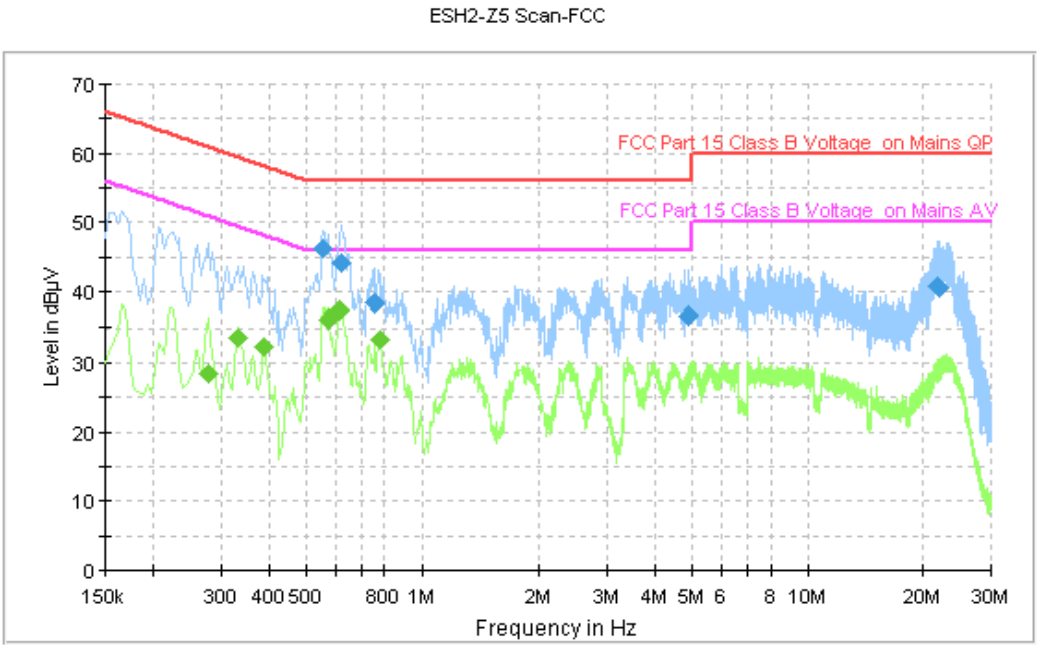

Figure A.17 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.554000	46.3	GND	L1	10.1	9.7	56.0
0.618000	44.2	GND	L1	10.0	11.8	56.0
0.754000	38.5	GND	L1	10.1	17.5	56.0
4.886000	36.6	GND	L1	10.2	19.4	56.0
21.762000	40.8	GND	N	10.7	19.2	60.0
22.058000	40.5	GND	N	10.7	19.5	60.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.278000	28.5	GND	L1	10.0	22.4	50.9
0.334000	33.6	GND	L1	10.0	15.7	49.4
0.390000	32.4	GND	L1	10.0	15.7	48.1
0.570000	36.0	GND	L1	10.1	10.0	46.0
0.614000	37.3	GND	L1	10.0	8.7	46.0
0.778000	33.3	GND	L1	10.1	12.7	46.0

Charging mode:Set.2

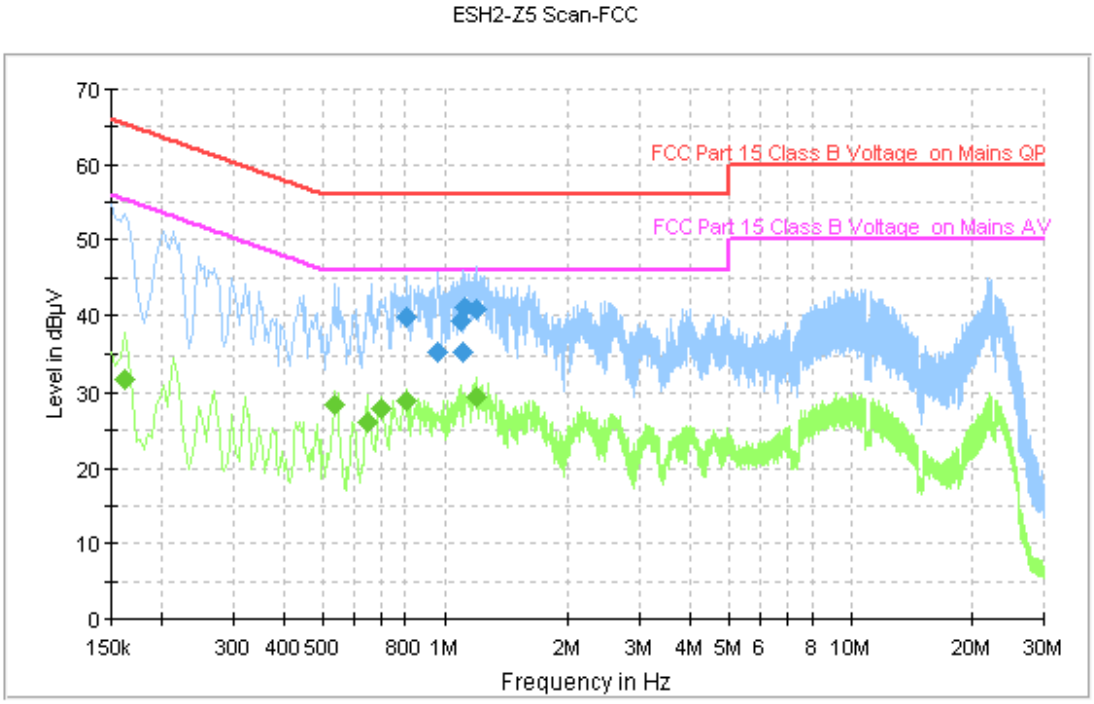

Figure A.18 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.806000	39.9	GND	L1	10.1	16.1	56.0
0.962000	35.5	GND	N	10.1	20.5	56.0
1.098000	39.2	GND	L1	10.1	16.8	56.0
1.114000	35.3	GND	N	10.1	20.7	56.0
1.122000	41.0	GND	L1	10.1	15.0	56.0
1.206000	40.7	GND	L1	10.1	15.3	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.162000	31.7	GND	L1	10.0	23.7	55.4
0.538000	28.3	GND	L1	10.1	17.7	46.0
0.646000	26.2	GND	L1	10.0	19.8	46.0
0.698000	28.0	GND	L1	10.0	18.0	46.0
0.806000	29.0	GND	L1	10.1	17.0	46.0
1.206000	29.4	GND	L1	10.1	16.6	46.0

Charging mode:Set.3

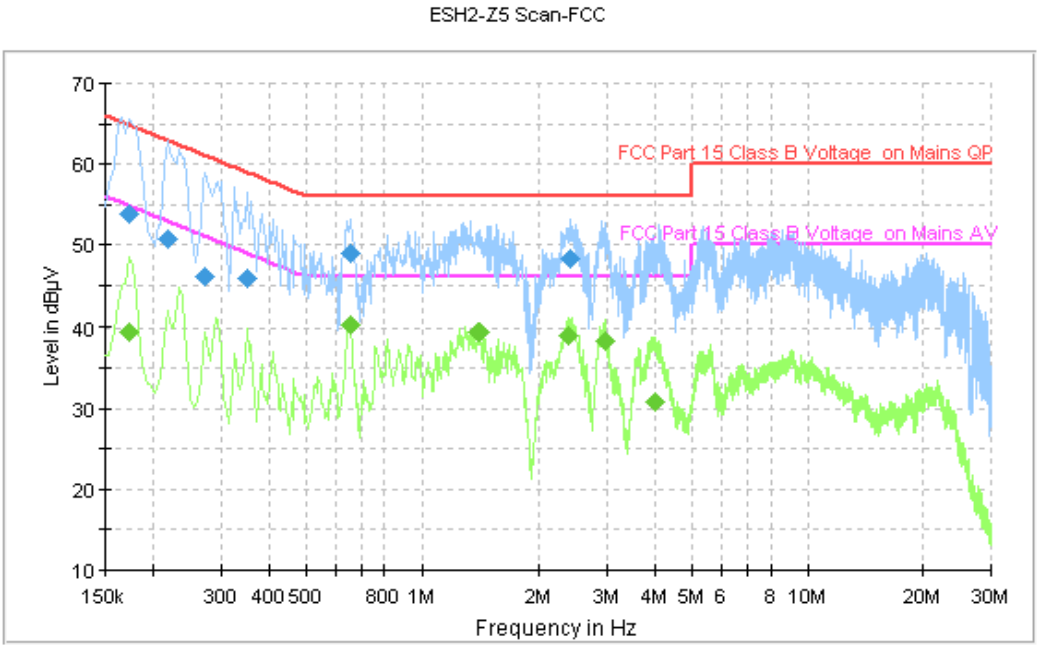

Figure A.19 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	53.8	GND	L1	10.0	11.0	64.8
0.218000	50.8	GND	L1	10.0	12.1	62.9
0.274000	46.1	GND	L1	10.0	14.9	61.0
0.350000	45.8	GND	L1	10.0	13.2	59.0
0.650000	49.0	GND	L1	10.0	7.0	56.0
2.418000	48.2	GND	N	10.2	7.8	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	39.4	GND	L1	10.0	15.4	54.8
0.650000	40.4	GND	N	10.0	5.6	46.0
1.402000	39.4	GND	N	10.1	6.6	46.0
2.374000	39.1	GND	L1	10.1	6.9	46.0
2.966000	38.3	GND	N	10.2	7.7	46.0
4.026000	30.9	GND	L1	10.2	15.1	46.0

Charging mode:Set.4

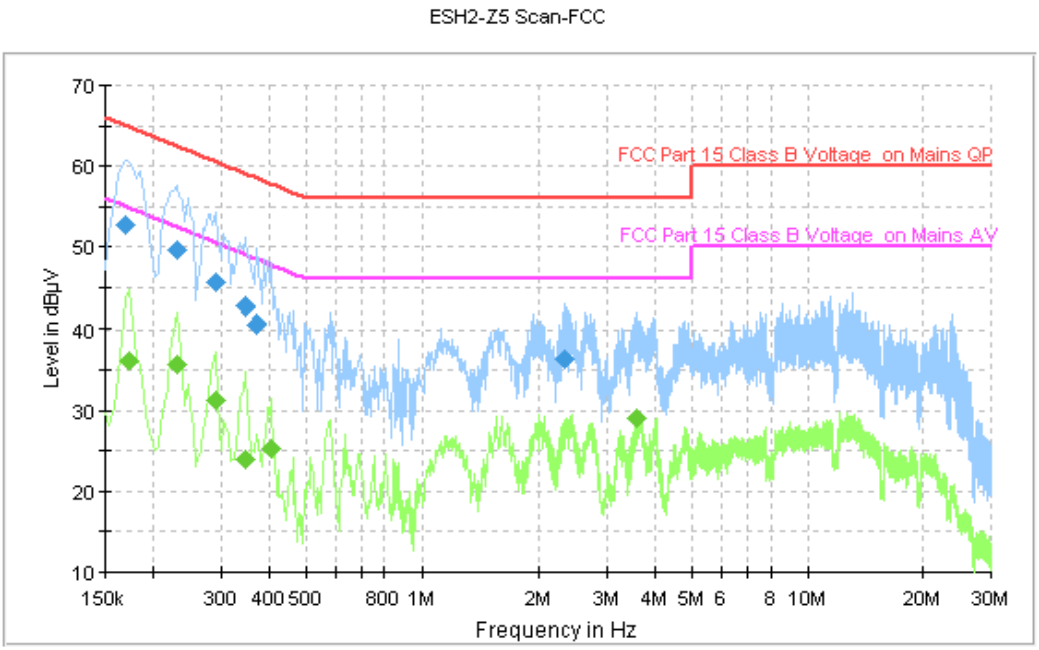

Figure A.20 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.170000	52.8	GND	L1	10.0	12.2	65.0
0.230000	49.7	GND	L1	10.0	12.7	62.4
0.290000	45.7	GND	L1	10.0	14.8	60.5
0.346000	42.8	GND	L1	10.0	16.2	59.1
0.370000	40.7	GND	L1	10.0	17.8	58.5
2.326000	36.4	GND	L1	10.1	19.6	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.174000	36.1	GND	L1	10.0	18.7	54.8
0.230000	35.6	GND	L1	10.0	16.8	52.4
0.290000	31.3	GND	L1	10.0	19.2	50.5
0.346000	23.9	GND	L1	10.0	25.2	49.1
0.406000	25.2	GND	L1	10.0	22.5	47.7
3.594000	29.0	GND	L1	10.2	17.0	46.0

Charging mode:Set.5

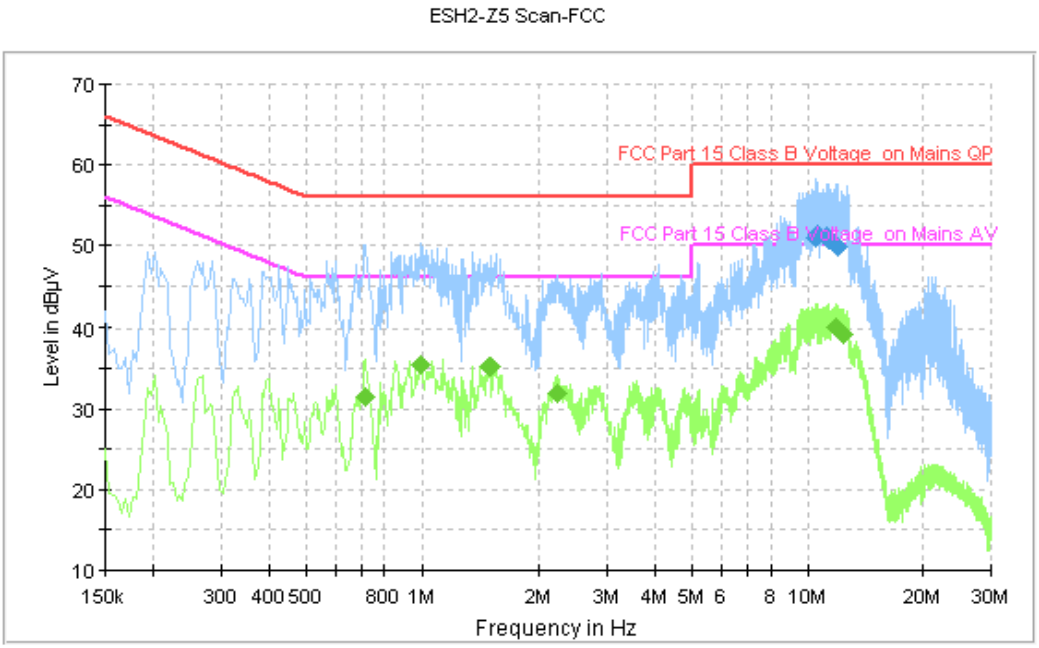

Figure A.21 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
10.446000	51.0	GND	L1	10.3	9.0	60.0
10.590000	51.3	GND	L1	10.3	8.7	60.0
11.174000	51.1	GND	L1	10.3	8.9	60.0
11.318000	50.8	GND	L1	10.3	9.2	60.0
11.898000	50.1	GND	L1	10.4	9.9	60.0
11.966000	49.7	GND	L1	10.4	10.3	60.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.710000	31.5	GND	L1	10.0	14.5	46.0
0.998000	35.4	GND	L1	10.1	10.6	46.0
1.494000	35.3	GND	L1	10.1	10.7	46.0
2.226000	31.9	GND	L1	10.1	14.1	46.0
11.898000	40.1	GND	L1	10.4	9.9	50.0
12.410000	39.3	GND	L1	10.4	10.7	50.0

Charging mode:Set.6

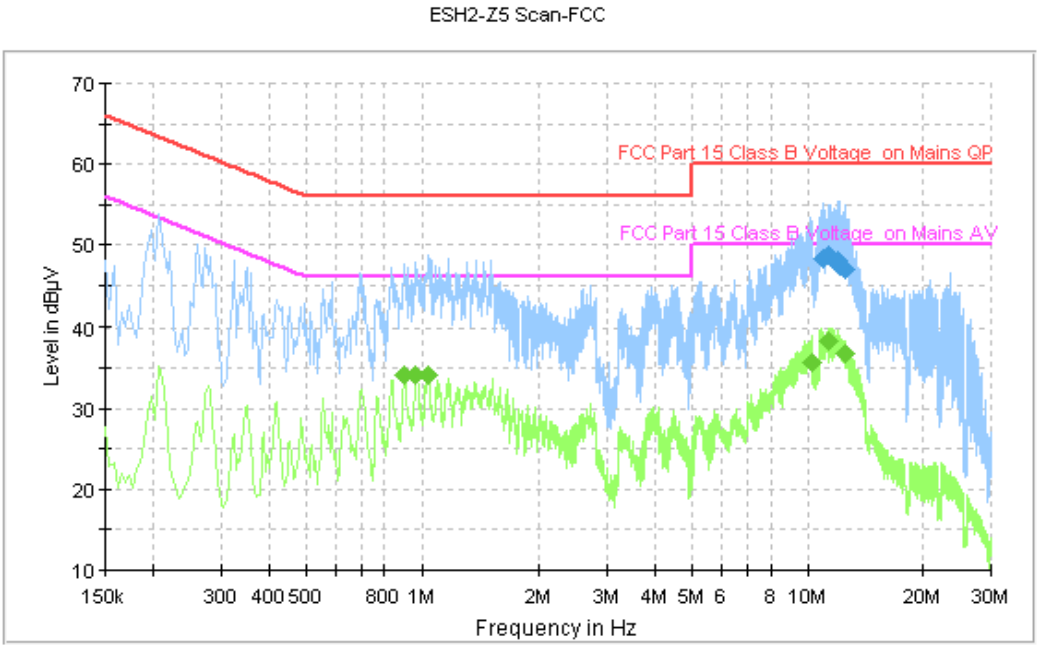

Figure A.22 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
11.002000	48.2	GND	L1	10.3	11.8	60.0
11.294000	48.8	GND	L1	10.3	11.2	60.0
11.466000	48.5	GND	L1	10.3	11.5	60.0
11.982000	48.0	GND	L1	10.4	12.0	60.0
12.134000	47.4	GND	L1	10.4	12.6	60.0
12.458000	46.9	GND	L1	10.4	13.1	60.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.902000	34.1	GND	L1	10.1	11.9	46.0
0.966000	34.1	GND	L1	10.1	11.9	46.0
1.038000	34.2	GND	L1	10.0	11.8	46.0
10.274000	35.7	GND	L1	10.3	14.3	50.0
11.354000	38.3	GND	L1	10.3	11.7	50.0
12.502000	36.7	GND	L1	10.4	13.3	50.0

USB mode:Set.7

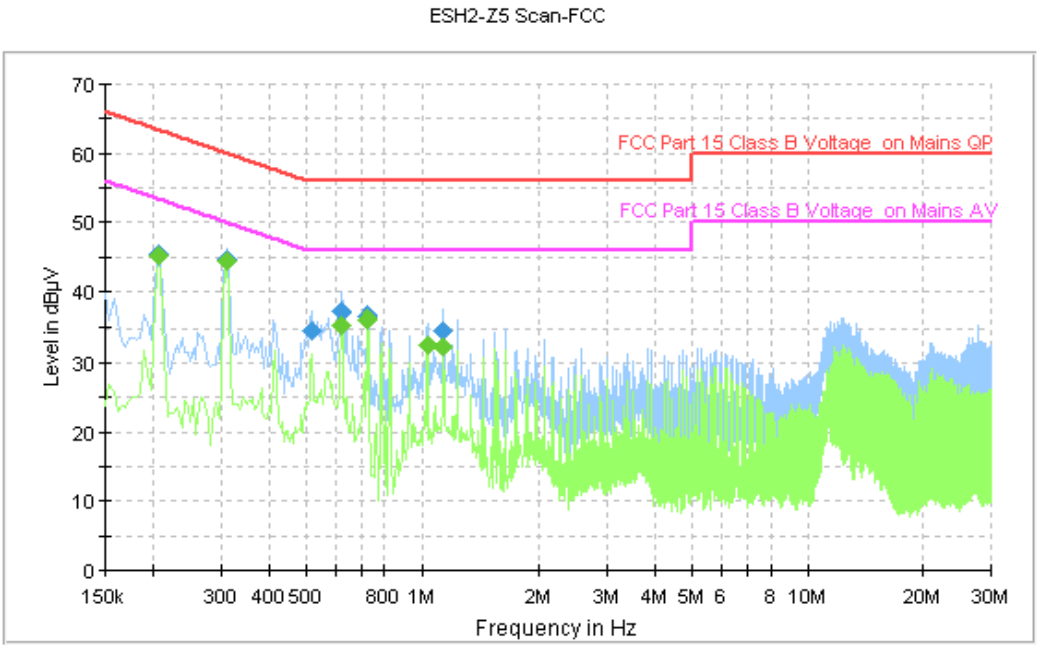

Figure A.23 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.206000	45.6	GND	N	10.1	17.8	63.4
0.310000	44.8	GND	N	10.1	15.2	60.0
0.518000	34.6	GND	N	10.1	21.4	56.0
0.618000	37.2	GND	N	10.0	18.8	56.0
0.722000	36.6	GND	N	10.0	19.4	56.0
1.138000	34.5	GND	N	10.1	21.5	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.206000	45.3	GND	N	10.1	8.1	53.4
0.310000	44.3	GND	N	10.1	5.7	50.0
0.618000	35.3	GND	N	10.0	10.7	46.0
0.722000	36.2	GND	N	10.0	9.8	46.0
1.034000	32.4	GND	L1	10.0	13.6	46.0
1.138000	32.3	GND	N	10.1	13.7	46.0

USB mode:Set.8

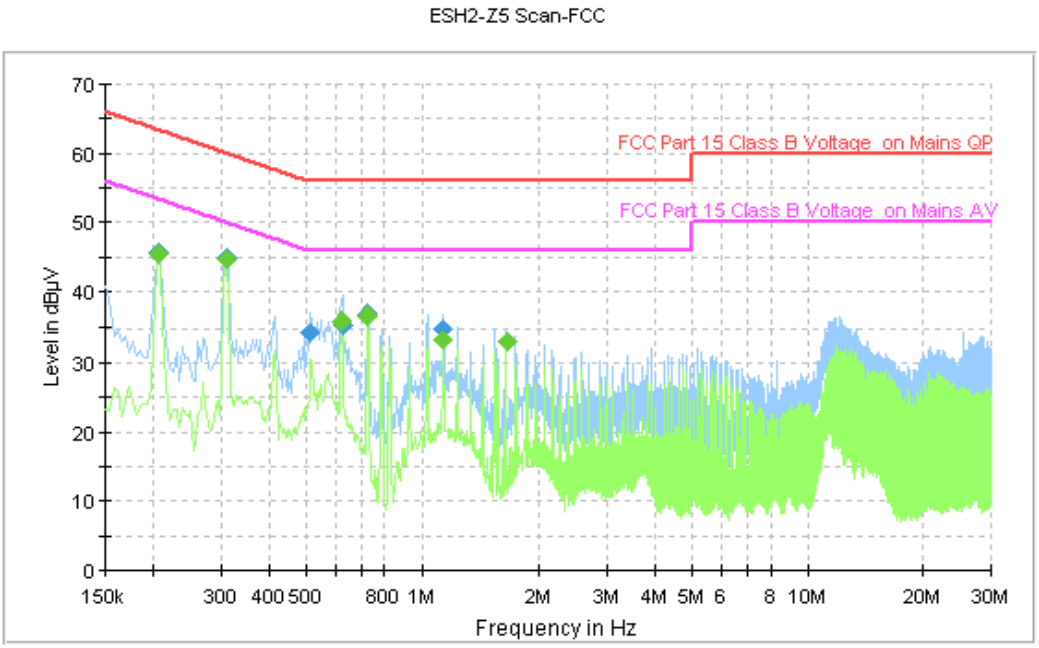

Figure A.24 Conducted Emission

Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.206000	45.7	GND	N	10.1	17.6	63.4
0.310000	45.0	GND	N	10.1	15.0	60.0
0.514000	34.3	GND	N	10.1	21.7	56.0
0.622000	35.5	GND	N	10.0	20.5	56.0
0.722000	37.0	GND	N	10.0	19.0	56.0
1.134000	34.9	GND	N	10.1	21.1	56.0

Final Measurement Detector 2

Frequency (MHz)	Average (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.206000	45.5	GND	N	10.1	7.9	53.4
0.310000	44.6	GND	N	10.1	5.4	50.0
0.618000	35.8	GND	N	10.0	10.2	46.0
0.722000	36.7	GND	N	10.0	9.3	46.0
1.134000	33.2	GND	N	10.1	12.8	46.0
1.650000	33.0	GND	N	10.1	13.0	46.0

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