



FCC 15B TEST REPORT

No. I22Z60667-EMC01

for

Honor Device Co., Ltd.

Smart Phone

Model Name: VNE-N41

FCC ID: 2AYGCVNE-N41

with

Hardware Version: HN2VNEM

Software Version: 4.2.0.55(C900E55R1P1)

Issued Date: 2022-06-15

Note:

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Test Laboratory:

CTTL, Telecommunication Technology Labs, CAICT

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22Z60667-EMC01	Rev.0	1 st edition	2022-06-15

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1. Test Laboratory

1.1. Testing Location

Location 1: CTTL(Huayuan North Road)

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

1.2. Testing Environment

Normal Temperature: 15-35℃

Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2022-04-27

Testing End Date: 2022-05-25

1.4. Signature



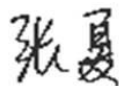
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(Prepared this test report)



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(Reviewed this test report)



Zhang Xia

Deputy Director of the laboratory

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2. Client Information

2.1. Applicant Information

Company Name: Honor Device Co., Ltd.
Suite 3401,Unit A,Building 6,Shum Yip Sky Park,No.8089,Hongli
Address /Post: West Road,Xiangmihu Street,Futian District,Shenzhen,Guangdong
518040,People's Republic of China
Contact: /
Email: /
Telephone: /

2.2. Manufacturer Information

Company Name: Honor Device Co., Ltd.
Suite 3401,Unit A,Building 6,Shum Yip Sky Park,No.8089,Hongli
Address /Post: West Road,Xiangmihu Street,Futian District,Shenzhen,Guangdong
518040,People's Republic of China
Contact: /
Email: /
Telephone: /

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

3.1. About EUT

Description	Smart Phone
Model Name	VNE-N41
FCC ID	2AYGCVNE-N41

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL, Telecommunication Technology Labs, Academy of Telecommunication Research, MIIT.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
UT22a	864258060052700/864258060067179	HN2VNEM	4.2.0.55(C900E55R1P1)
UT25a	864258060053740/864258060068219	HN2VNEM	4.2.0.55(C900E55R1P1)
UT27a	864258060054268/864258060068730	HN2VNEM	4.2.0.55(C900E55R1P1)
UT29a	864258060052007/864258060066478	HN2VNEM	4.2.0.55(C900E55R1P1)

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

3.3. Internal Identification of AE used during the test

AE ID*	Description	Note
AE1-1	Adapter	HN-100225U00 (Salcomp)
AE1-2	Adapter	HN-100225E00 (Salcomp)
AE1-3	Adapter	HW-100225U00 (Huntkey)
AE1-4	Adapter	HW-100225E00 (Huntkey)
AE1-5	Adapter	HW-100225B00 (Huntkey)
AE2-1	USB Cable	CUDU01B-HC451 -EH (FF)
AE2-2	USB Cable	AU2-CRO013 HF (LJ)
AE2-3	USB Cable	L125UC007-CS-H (LX)
AE2-4	USB Cable	2120-00001-0 (MG)
AE2-5	USB Cable	RY0002 (NB)
AE3-1	Headset	1293-3283-3.5mm-339
AE3-2	Headset	EPAB542-2WH05-DH
AE3-3	Headset	MEND1532B528A11
AE4-1	Battery	HB496590EFW (SCUD)
AE4-2	Battery	HB496590EFW-F (SCUD)
AE4-3	Battery	HB496590EFW (NVT)
AE4-4	Battery	HB496590EFW-F (NVT)

*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.1-1	EUT1 + AE1-1+AE2-1	Charger1+Real Camera+ RX GSM850
Set.1-2	EUT2 + AE1-2+AE2-2	Charger2+Front Camera
Set.1-3	EUT3 + AE1-3+AE2-3	Charger3+mp4
Set.1-4	EUT4 + AE1-4+AE2-4	Charger4+mp4
Set.1-5	EUT1 + AE1-5+AE2-5	Charger5+mp4
Set.2-1	EUT1/2 + AE2-1	USB TO PC + Front Camera
Set.2-2	EUT3/4 + AE2-1	USB TO PC + Front Camera
Set.3-1	EUT1/2 + AE1-1 + AE3-1	Headset1,EUT1/2
Set.3-2	EUT1/2 + AE1-1 + AE3-2	Headset2,EUT1/2
Set.3-3	EUT1/2 + AE1-1 + AE3-3	Headset3,EUT1/2
Set.3-4	EUT3/EUT4 + AE1-1 + AE3-1/3-2/3-3	Headset1/2/3, EUT3/4
Set.4-1	EUT1 + AE1-2 + AE2-1/2-2/2-3/2-4/2-5	Black screen, turn off all functions, and turn off all communication

Note1:

All combinations were tested, and only the worst results are shown in this report.

Note2:

The device contains receivers which tune and operate between 30MHz-960MHz in the following bands: GSM 850MHz,WCDMA Band5, LTE Bands 5. The measurement results showed here are worst cases of different bands.

3.5. General Description

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

It has MP3, MP4,Camera, USB memory, Bluetooth 5.1, Wi-Fi (802.11b/g/n/ac/ax) , GNSS functions.

Manual and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4. Reference Documents

4.1. Reference Documents for testing

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

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices - Unintentional Radiators	2020
ANSI C63.4	American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

Note: The test methods have no deviation with standards.

5. LABORATORY ENVIRONMENT

Semi-anechoic chamber SAC-1 (23 meters × 17meters × 10meters) 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 - 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	< ±4 dB, 10 m distance
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1GHz to 6GHz
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. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz—1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω

6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	NA	Not applicable
	F	Fail
	BR	Re-use test data from basic model report.

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

7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTU RE	CALIBRATIO N INTERVAL	CAL DUE DATE
1	LISN	ENV216	101200	Rohde & Schwarz	1 year	2022-05-30
2	Test Receiver	ESCI 7	100344	Rohde & Schwarz	1 year	2023-02-21
3	signal source	SMB 100A	260613	Rohde & Schwarz	1 year	2023-01-09
4	Test Receiver	ESW44	103023	R&S	1 year	2022-10-28
5	Universal Radio Communication Tester	CMW500	116588	R&S	1 year	2022-12-20
6	BiLog Antenna	VULB9163	9163-302	Schwarzbeck	1 year	2022-12-28
7	EMI Antenna	3115	00167250	ETS-Lindgren	1 year	2022-07-01

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission

Reference

FCC: CFR Part 15.109(a).

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator (charging mode) at distances of 10 meters(for 30MHz-1GHz) and 3 meters (for above 1GHz) is tested. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3/10 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode:

The MS is operating in the charging mode. During the test MS is connected to a charger in the case of charging mode.

The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in Section 3.4, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

A.1.3 Measurement Limit

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 above limit is for 3 meters test distance. 10 meters' limit is got by converting.

$$\text{Limit}(10\text{m})=\text{Limit}(3\text{m})+20[\log(3/10)]$$

A.1.4 Test Condition

Frequency range (MHz)	RBW/VBW	Sweep Time (s)	Detector
30-1000	120kHz (IF Bandwidth)	5	Peak/Quasi-peak
Above 1000	1MHz/3MHz	15	Peak, Average

A.1.5 Measurement Results

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss". It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

Measurement uncertainty (worst case): 30MHz-1GHz: 5.16dB, 1GHz-18GHz: 5.44dB, $k=2$.

Measurement results for Set.1-1:
EUT1 Charger1+Rear Camera+GSM 850 RX Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
59.100000	14.54	29.54	15.00	2000.0	120.000	175.0	V	225.0
85.290000	14.38	29.54	15.16	2000.0	120.000	186.0	V	294.0
126.321000	17.39	33.06	15.67	2000.0	120.000	98.0	V	161.0
129.910000	11.86	33.06	21.20	2000.0	120.000	125.0	V	137.0
170.456000	13.23	33.06	19.83	2000.0	120.000	275.0	V	0.0
182.096000	14.73	33.06	18.33	2000.0	120.000	275.0	V	344.0

EUT1 Charger1+Rear Camera+GSM 850 RX Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17962.600	41.1	-29.1	46.7	23.5	54.0	12.9	V
17886.440	41.0	-29.5	46.0	24.6	54.0	13.0	V
17751.800	41.0	-29.6	46.0	24.7	54.0	13.0	V
17996.260	40.9	-29.1	46.7	23.3	54.0	13.1	V
17153.400	40.9	-29.9	42.4	28.4	54.0	13.1	V
17986.400	40.9	-29.1	46.7	23.3	54.0	13.1	H

EUT1 Charger1+Rear Camera+GSM 850 RX Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17658.300	53.8	-29.6	45.2	38.2	74.0	20.2	V
17344.480	53.0	-30.0	43.4	39.6	74.0	21.0	H
17672.920	52.6	-29.9	45.2	37.2	74.0	21.4	V
17021.820	52.1	-30.1	41.5	40.8	74.0	21.9	V
17894.940	52.0	-29.5	46.0	35.6	74.0	22.0	V
17712.020	52.0	-29.7	45.2	36.5	74.0	22.0	V

Measurement results for Set.1-2:
EUT2 Charger2+Front Camera Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
59.488000	14.76	29.54	14.78	2000.0	120.000	98.0	V	97.0
98.773000	7.98	33.06	25.08	2000.0	120.000	286.0	V	251.0
127.582000	7.59	33.06	25.47	2000.0	120.000	98.0	V	123.0
165.024000	7.59	33.06	25.47	2000.0	120.000	175.0	V	77.0
222.933000	10.62	35.56	24.94	2000.0	120.000	125.0	V	98.0
670.782000	16.76	35.56	18.80	2000.0	120.000	325.0	V	251.0

EUT2 Charger2+Front Camera Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17864.680	40.8	-29.4	46.0	24.2	54.0	13.2	V
17997.960	40.8	-29.1	46.7	23.2	54.0	13.2	V
17772.540	40.8	-29.6	46.0	24.5	54.0	13.2	H
17155.440	40.8	-29.9	42.4	28.3	54.0	13.2	H
17945.600	40.8	-28.9	46.7	23.1	54.0	13.2	V
17980.620	40.7	-29.1	46.7	23.1	54.0	13.3	H

EUT2 Charger2+Front Camera Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17858.220	52.8	-29.3	46.0	36.2	74.0	21.2	H
17781.380	52.4	-29.9	46.0	36.3	74.0	21.6	H
17858.900	52.3	-29.3	46.0	35.7	74.0	21.7	H
17625.660	52.1	-29.4	45.2	36.3	74.0	21.9	V
17658.640	52.0	-29.6	45.2	36.4	74.0	22.0	H
17811.300	52.0	-29.6	46.0	35.7	74.0	22.0	H

Measurement results for Set.1-3:
EUT3 Charger3+MP4 Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
62.689000	13.44	29.54	16.10	2000.0	120.000	286.0	V	71.0
84.805000	12.87	29.54	16.67	2000.0	120.000	109.0	V	278.0
127.194000	19.28	33.06	13.78	2000.0	120.000	125.0	V	25.0
157.846000	20.25	33.06	12.81	2000.0	120.000	98.0	V	186.0
165.412000	11.39	33.06	21.67	2000.0	120.000	98.0	V	137.0
223.321000	12.19	35.56	23.37	2000.0	120.000	98.0	V	183.0

EUT3 Charger3+MP4 Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17871.140	41.3	-29.4	46.0	24.7	54.0	12.7	V
17975.180	41.0	-29.1	46.7	23.4	54.0	13.0	H
17613.760	40.9	-29.5	45.2	25.2	54.0	13.1	H
17794.300	40.9	-29.9	46.0	24.8	54.0	13.1	V
17947.300	40.8	-28.9	46.7	23.1	54.0	13.2	H
17163.260	40.8	-29.8	42.4	28.2	54.0	13.2	H

EUT3 Charger3+MP4 Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17885.420	52.4	-29.5	46.0	36.0	74.0	21.6	V
17146.940	52.3	-29.9	42.4	39.8	74.0	21.7	V
17382.220	51.9	-29.8	43.4	38.4	74.0	22.1	V
17433.900	51.9	-29.7	44.4	37.3	74.0	22.1	V
16902.140	51.9	-30.0	41.5	40.4	74.0	22.1	H
17151.020	51.9	-29.9	42.4	39.4	74.0	22.1	H

Measurement results for Set.1-4:
EUT4 Charger4+MP4 Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
54.541000	11.00	29.54	18.54	2000.0	120.000	286.0	V	315.0
59.488000	14.43	29.54	15.11	2000.0	120.000	186.0	V	225.0
82.768000	13.04	29.54	16.50	2000.0	120.000	186.0	V	304.0
98.967000	7.99	33.06	25.07	2000.0	120.000	225.0	V	98.0
124.575000	8.26	33.06	24.80	2000.0	120.000	109.0	V	135.0
156.003000	13.85	33.06	19.21	2000.0	120.000	98.0	V	187.0

EUT4 Charger4+MP4 Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17769.140	41.1	-29.6	46.0	24.8	54.0	12.9	V
17874.200	40.9	-29.4	46.0	24.3	54.0	13.1	H
17618.520	40.8	-29.5	45.2	25.1	54.0	13.2	H
17932.680	40.8	-29.4	46.7	23.5	54.0	13.2	V
17960.900	40.8	-29.1	46.7	23.2	54.0	13.2	V
17982.320	40.8	-29.1	46.7	23.2	54.0	13.2	V

EUT4 Charger4+MP4 Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17867.060	52.7	-29.4	46.0	36.1	74.0	21.3	H
17989.120	52.4	-29.1	46.7	34.8	74.0	21.6	H
17986.400	52.3	-29.1	46.7	34.7	74.0	21.7	V
17911.940	51.9	-29.3	46.0	35.3	74.0	22.1	H
17247.920	51.9	-30.0	43.4	38.6	74.0	22.1	H
17252.340	51.9	-30.0	43.4	38.6	74.0	22.1	H

Measurement results for Set.1-5:
EUT1 Charger5+MP4 Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
54.832000	19.90	29.54	9.64	2000.0	120.000	100.0	V	265.0
61.913000	14.64	29.54	14.90	2000.0	120.000	98.0	V	303.0
82.380000	12.52	29.54	17.02	2000.0	120.000	125.0	V	251.0
136.506000	8.90	33.06	24.16	2000.0	120.000	175.0	V	106.0
198.877000	10.55	33.06	22.51	2000.0	120.000	125.0	V	130.0
220.411000	11.43	35.56	24.13	2000.0	120.000	125.0	V	122.0

EUT1 Charger5+MP4 Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17942.200	41.1	-28.9	46.7	23.4	54.0	12.9	V
17993.880	41.0	-29.1	46.7	23.4	54.0	13.0	V
17775.600	40.8	-29.6	46.0	24.5	54.0	13.2	H
17977.900	40.8	-29.1	46.7	23.2	54.0	13.2	H
17764.380	40.8	-29.6	46.0	24.5	54.0	13.2	H
17950.020	40.8	-28.9	46.7	23.1	54.0	13.2	V

EUT1 Charger5+MP4 Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17272.400	52.3	-29.7	43.4	38.7	74.0	21.7	H
17830.000	52.2	-29.7	46.0	35.9	74.0	21.8	V
17886.440	52.1	-29.5	46.0	35.7	74.0	21.9	H
17853.120	52.1	-29.3	46.0	35.5	74.0	21.9	V
17927.240	52.0	-29.4	46.7	34.7	74.0	22.0	H
17612.060	52.0	-29.5	45.2	36.3	74.0	22.0	H

Measurement results for Set.2-1:
EUT1 PC TO USB +Front Camera Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
37.663000	18.97	29.54	10.57	2000.0	120.000	175.0	V	226.0
56.190000	15.09	29.54	14.45	2000.0	120.000	175.0	V	124.0
84.223000	16.01	29.54	13.53	2000.0	120.000	225.0	V	302.0
123.023000	19.97	33.06	13.09	2000.0	120.000	98.0	V	71.0
275.313000	25.31	35.56	10.25	2000.0	120.000	225.0	H	46.0
557.292000	24.65	35.56	10.91	2000.0	120.000	225.0	V	0.0

EUT1 PC TO USB +Front Camera Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17858.560	40.0	-29.3	46.0	23.4	54.0	14.0	H
17952.060	39.8	-28.9	46.7	22.1	54.0	14.2	V
17873.180	39.7	-29.4	46.0	23.1	54.0	14.3	H
17964.980	39.7	-29.1	46.7	22.1	54.0	14.3	V
17961.580	39.7	-29.1	46.7	22.1	54.0	14.3	V
17956.140	39.7	-28.9	46.7	22.0	54.0	14.3	H

EUT1 PC TO USB +Front Camera Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17867.060	51.0	-29.4	46.0	34.4	74.0	23.0	V
17781.380	50.8	-29.9	46.0	34.7	74.0	23.2	H
17943.900	50.8	-28.9	46.7	33.1	74.0	23.2	V
17955.120	50.8	-28.9	46.7	33.1	74.0	23.2	V
17861.280	50.8	-29.4	46.0	34.2	74.0	23.2	H
17779.340	50.7	-29.6	46.0	34.4	74.0	23.3	H

Measurement results for Set.2-2:
EUT3 PC TO USB +Front Camera Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
37.760000	18.94	29.54	10.60	2000.0	120.000	109.0	V	225.0
55.511000	17.62	29.54	11.92	2000.0	120.000	98.0	V	277.0
86.745000	16.89	29.54	12.65	2000.0	120.000	109.0	V	301.0
122.732000	18.07	33.06	14.99	2000.0	120.000	109.0	V	72.0
275.410000	25.31	35.56	10.25	2000.0	120.000	225.0	H	46.0
606.956000	26.20	35.56	9.36	2000.0	120.000	225.0	V	0.0

EUT3 PC TO USB +Front Camera Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17937.440	39.6	-29.4	46.7	22.3	54.0	14.4	V
17976.540	39.6	-29.1	46.7	22.0	54.0	14.4	H
17769.480	39.4	-29.6	46.0	23.1	54.0	14.6	H
17963.960	39.2	-29.1	46.7	21.6	54.0	14.8	V
17911.260	39.2	-29.3	46.0	22.6	54.0	14.8	V
17994.560	39.2	-29.1	46.7	21.6	54.0	14.8	V

EUT3 PC TO USB +Front Camera Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17950.020	51.7	-28.9	46.7	34.0	74.0	22.3	H
17763.020	50.8	-29.6	46.0	34.5	74.0	23.2	H
17964.980	50.6	-29.1	46.7	33.0	74.0	23.4	V
17737.860	50.4	-29.7	46.0	34.1	74.0	23.6	V
17751.800	50.3	-29.6	46.0	34.0	74.0	23.7	H
17953.420	50.3	-28.9	46.7	32.6	74.0	23.7	H

Measurement results for Set.3-1:
EUT1 Headset1 +FM Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
57.160000	13.86	29.54	15.68	2000.0	120.000	175.0	V	0.0
62.980000	14.47	29.54	15.07	2000.0	120.000	225.0	V	47.0
124.090000	17.88	33.06	15.18	2000.0	120.000	109.0	V	45.0
143.490000	10.90	33.06	22.16	2000.0	120.000	275.0	V	327.0
155.712000	11.63	33.06	21.43	2000.0	120.000	125.0	V	0.0
262.703000	12.75	35.56	22.81	2000.0	120.000	109.0	V	161.0

EUT1 Headset1 +FM Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17547.800	40.9	-29.5	44.4	26.0	54.0	13.1	V
17963.280	40.8	-29.1	46.7	23.2	54.0	13.2	V
17758.940	40.7	-29.6	46.0	24.4	54.0	13.3	V
17876.580	40.7	-29.4	46.0	24.1	54.0	13.3	V
17836.800	40.7	-29.7	46.0	24.4	54.0	13.3	V
17964.300	40.7	-29.1	46.7	23.1	54.0	13.3	V

EUT1 Headset1 +FM Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17775.260	52.5	-29.6	46.0	36.2	74.0	21.5	V
17742.280	52.3	-29.6	46.0	36.0	74.0	21.7	V
17148.300	52.3	-29.9	42.4	39.8	74.0	21.7	V
17872.840	52.2	-29.4	46.0	35.6	74.0	21.8	V
17354.340	52.1	-30.0	43.4	38.7	74.0	21.9	H
17560.380	52.1	-29.8	44.4	37.5	74.0	21.9	H

Measurement results for Set.3-2:
EUT1 Headset2 +FM Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
54.153000	15.73	29.54	13.81	2000.0	120.000	125.0	V	209.0
74.620000	15.18	29.54	14.36	2000.0	120.000	175.0	V	252.0
117.882000	15.75	33.06	17.31	2000.0	120.000	125.0	V	0.0
124.381000	17.37	33.06	15.69	2000.0	120.000	184.0	V	0.0
144.072000	12.82	33.06	20.24	2000.0	120.000	98.0	V	287.0
156.876000	15.58	33.06	17.48	2000.0	120.000	98.0	V	162.0

EUT1 Headset2 +FM Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17769.480	41.0	-29.6	46.0	24.7	54.0	13.0	H
17770.840	41.0	-29.6	46.0	24.7	54.0	13.0	H
17748.400	40.9	-29.6	46.0	24.6	54.0	13.1	V
17545.420	40.9	-29.5	44.4	26.0	54.0	13.1	H
17624.300	40.9	-29.4	45.2	25.1	54.0	13.1	H
17993.880	40.9	-29.1	46.7	23.3	54.0	13.1	H

EUT1 Headset1 +FM Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17881.680	53.2	-29.5	46.0	36.8	74.0	20.8	V
17080.300	52.2	-29.4	42.4	39.2	74.0	21.8	V
17938.460	52.0	-29.4	46.7	34.7	74.0	22.0	H
17913.980	52.0	-29.3	46.0	35.4	74.0	22.0	H
17303.000	51.9	-29.5	43.4	38.0	74.0	22.1	H
17961.240	51.8	-29.1	46.7	34.2	74.0	22.2	V

Measurement results for Set.3-3:
EUT1 Headset3 +FM Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
40.282000	8.36	29.54	21.18	2000.0	120.000	225.0	V	278.0
53.474000	12.90	29.54	16.64	2000.0	120.000	225.0	V	315.0
65.017000	11.08	29.54	18.46	2000.0	120.000	110.0	V	129.0
126.224000	10.57	33.06	22.49	2000.0	120.000	109.0	V	0.0
175.209000	11.85	33.06	21.21	2000.0	120.000	125.0	V	312.0
248.347000	11.34	35.56	24.22	2000.0	120.000	98.0	V	214.0

EUT1 Headset3 +FM Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17754.180	40.7	-29.6	46.0	24.4	54.0	13.3	V
17912.960	40.5	-29.3	46.0	23.9	54.0	13.5	V
17966.000	40.5	-29.1	46.7	22.9	54.0	13.5	V
17769.820	40.5	-29.6	46.0	24.2	54.0	13.5	V
17800.420	40.5	-29.6	46.0	24.2	54.0	13.5	H
17767.780	40.5	-29.6	46.0	24.2	54.0	13.5	H

EUT1 Headset3 +FM Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17847.000	53.0	-29.3	46.0	36.4	74.0	21.0	H
17868.420	52.2	-29.4	46.0	35.6	74.0	21.8	V
17683.120	52.1	-30.0	45.2	36.8	74.0	21.9	V
17360.460	52.1	-30.0	43.4	38.7	74.0	21.9	H
17874.200	51.8	-29.4	46.0	35.2	74.0	22.2	H
17140.820	51.7	-29.9	42.4	39.2	74.0	22.3	V

Measurement results for Set.3-4:
EUT3 Headset1 +FM Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
39.797000	8.18	29.54	21.36	2000.0	120.000	325.0	V	1.0
49.400000	11.80	29.54	17.74	2000.0	120.000	225.0	V	45.0
58.130000	12.12	29.54	17.42	2000.0	120.000	225.0	V	0.0
64.435000	10.70	29.54	18.84	2000.0	120.000	186.0	V	45.0
130.880000	15.26	33.06	17.80	2000.0	120.000	125.0	V	0.0
153.675000	19.31	33.06	13.75	2000.0	120.000	109.0	V	342.0

EUT3 Headset1 +FM Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17780.360	40.8	-29.9	46.0	24.7	54.0	13.2	H
17987.420	40.8	-29.1	46.7	23.2	54.0	13.2	V
17289.740	40.6	-29.7	43.4	26.9	54.0	13.4	H
17782.400	40.6	-29.9	46.0	24.5	54.0	13.4	H
17954.780	40.6	-28.9	46.7	22.9	54.0	13.4	H
17246.900	40.6	-30.0	43.4	27.3	54.0	13.4	V

EUT3 Headset1 +FM Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17148.640	52.5	-29.9	42.4	40.0	74.0	21.5	V
17834.420	52.1	-29.7	46.0	35.8	74.0	21.9	H
17965.660	52.0	-29.1	46.7	34.4	74.0	22.0	H
17371.340	51.8	-30.0	43.4	38.4	74.0	22.2	V
17869.100	51.8	-29.4	46.0	35.2	74.0	22.2	H
17951.380	51.7	-28.9	46.7	34.0	74.0	22.3	V

Measurement results for Set.4-1:
EUT1 Charger1 + Black screen + Turn off all functions + Turn off all communication
Mode/QP detector

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
43.677000	9.07	29.54	20.47	2000.0	120.000	175.0	V	135.0
58.421000	11.94	29.54	17.60	2000.0	120.000	125.0	V	47.0
106.727000	7.99	33.06	25.07	2000.0	120.000	225.0	V	0.0
170.456000	6.85	33.06	26.21	2000.0	120.000	275.0	V	0.0
291.609000	9.78	35.56	25.78	2000.0	120.000	175.0	V	227.0
626.550000	16.66	35.56	18.90	2000.0	120.000	225.0	V	220.0

EUT1 Charger1 + Black screen + Turn off all functions + Turn off all communication
Mode/Average detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver eading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17776.620	40.6	-29.6	46.0	24.3	54.0	13.4	V
17787.500	40.6	-29.9	46.0	24.5	54.0	13.4	V
17781.040	40.5	-29.9	46.0	24.4	54.0	13.5	V
17957.500	40.5	-28.9	46.7	22.8	54.0	13.5	V
17754.520	40.4	-29.6	46.0	24.1	54.0	13.6	H
17791.240	40.4	-29.9	46.0	24.3	54.0	13.6	V

EUT1 Charger1 + Black screen + Turn off all functions + Turn off all communication
Mode/Peak detector

Frequency (MHz)	Measurement Result (dBμV/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dBμV)	Limit (dBμV/m)	Margin (dB)	Antenna Pol. (H/V)
17645.040	52.1	-29.6	45.2	36.5	74.0	21.9	V
17168.700	52.0	-29.8	42.4	39.4	74.0	22.0	V
17606.620	51.8	-29.5	45.2	36.1	74.0	22.2	V
17765.740	51.7	-29.6	46.0	35.4	74.0	22.3	H
17662.720	51.7	-29.9	45.2	36.3	74.0	22.3	H
17821.500	51.6	-29.7	46.0	35.3	74.0	22.4	V

EUT1 Charger1+Rear Camera+GSM 850 RX Mode,Set.1-1

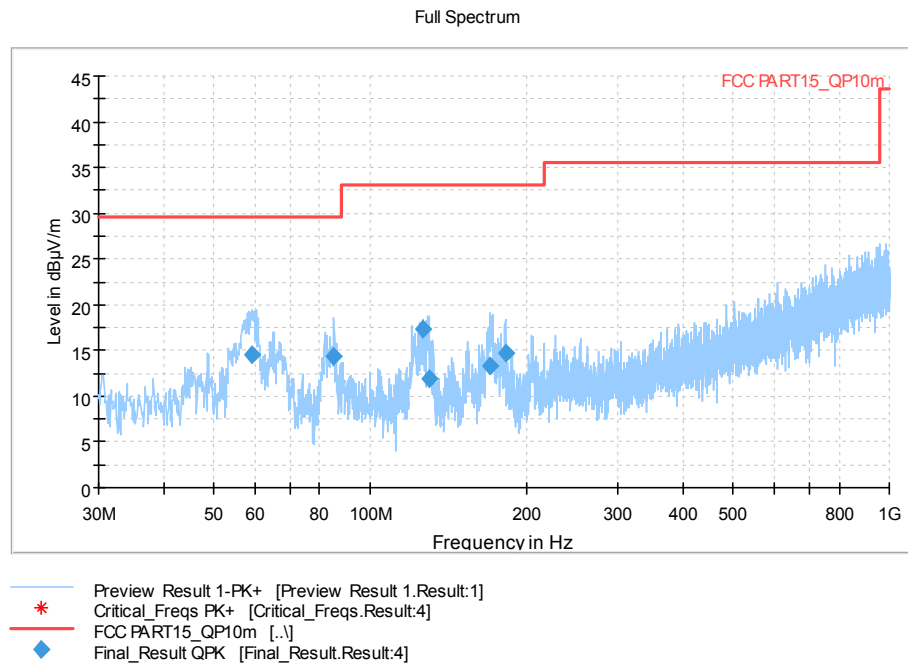


Figure A.1 Radiated Emission from 30MHz to 1GHz

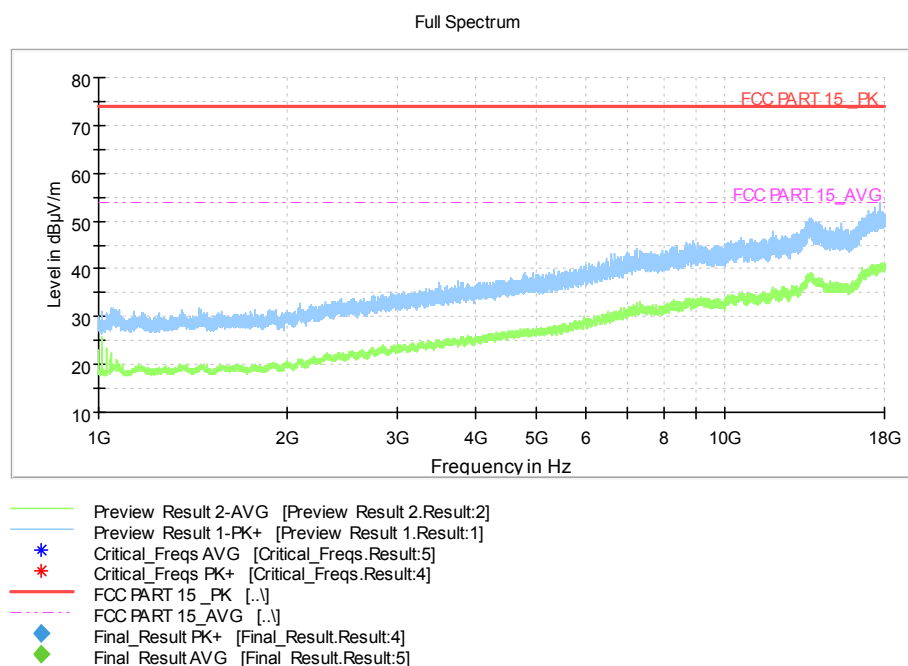


Figure A.2 Radiated Emission from 1GHz to 18GHz

EUT2 Charger2+Front Camera Mode,Set.1-2

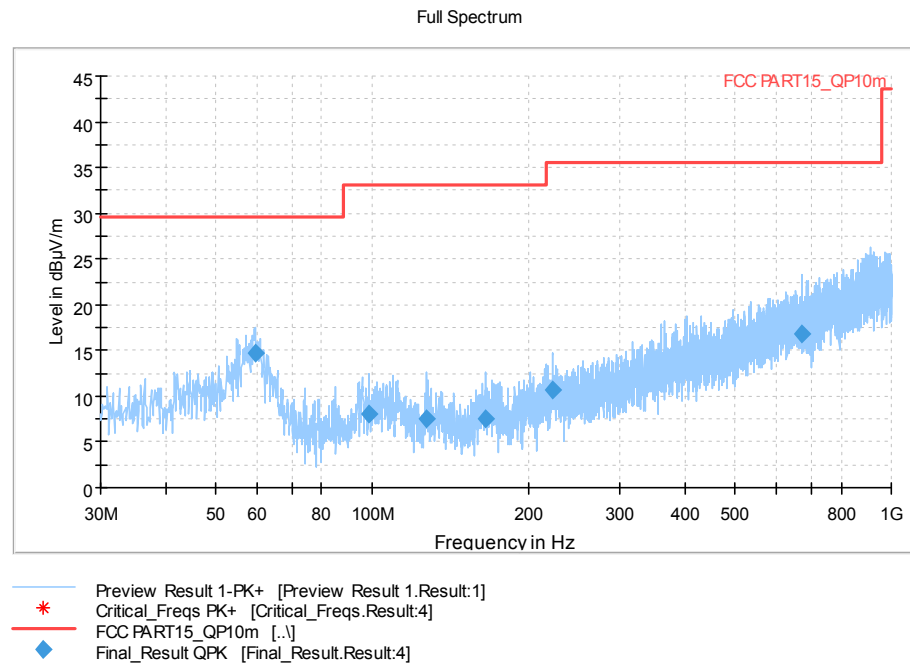


Figure A.3 Radiated Emission from 30MHz to 1GHz

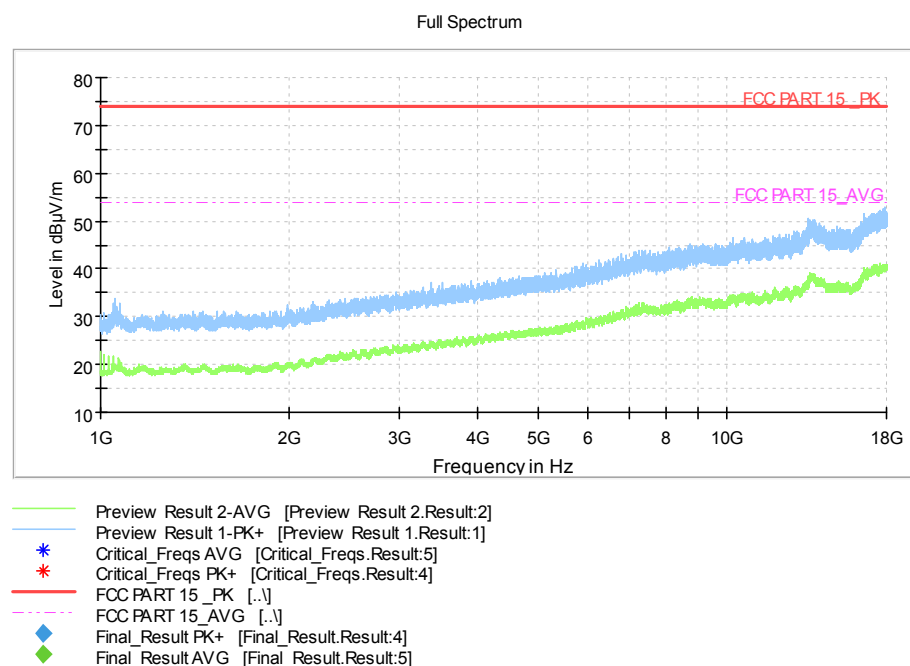


Figure A.4 Radiated Emission from 1GHz to 18GHz

EUT3 Charger3+MP4 Mode,Set.1-3

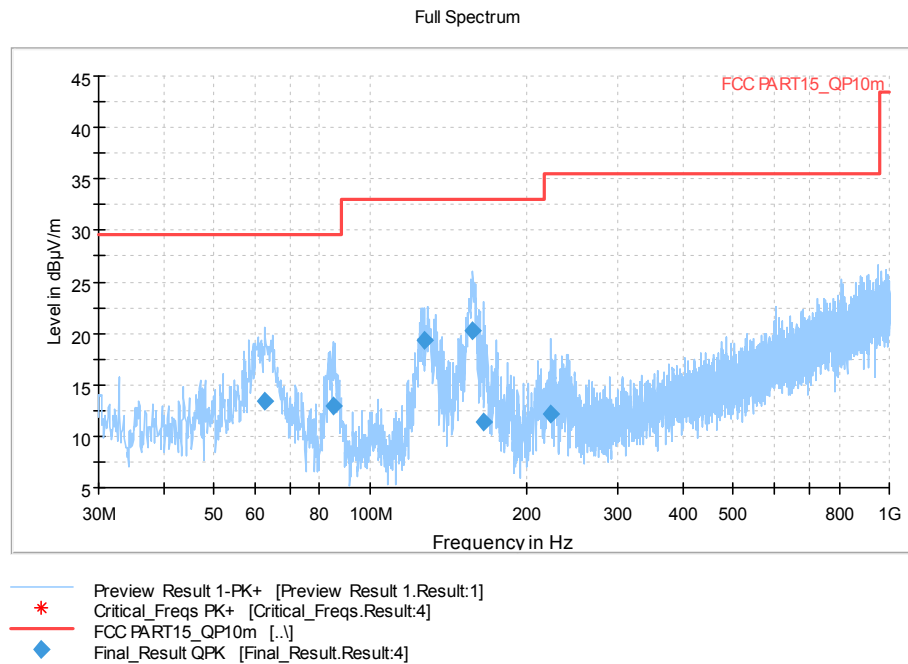


Figure A.5 Radiated Emission from 30MHz to 1GHz

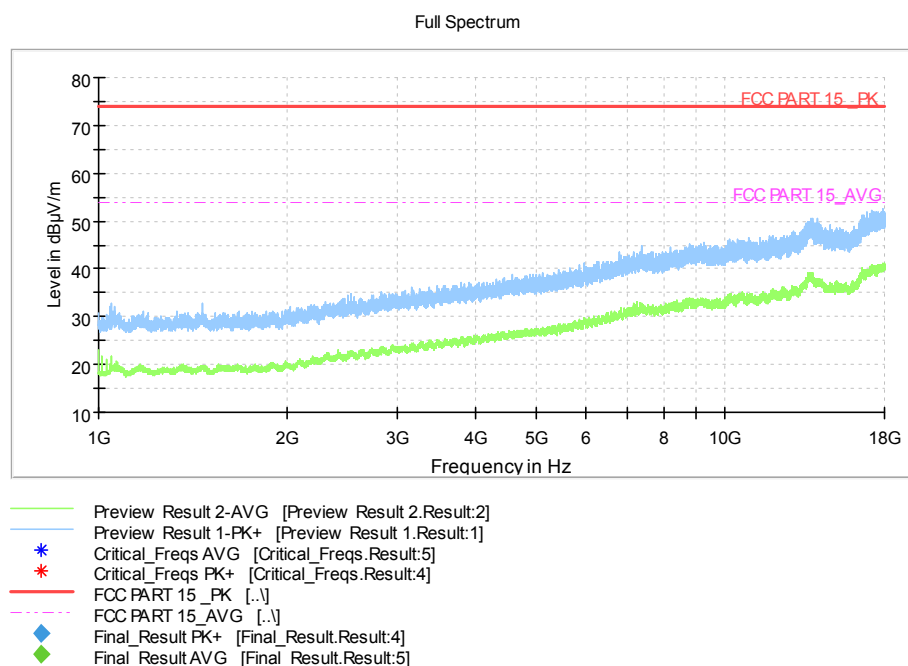


Figure A.6 Radiated Emission from 1GHz to 18GHz

EUT4 Charger4+MP4 Mode,Set.1-4

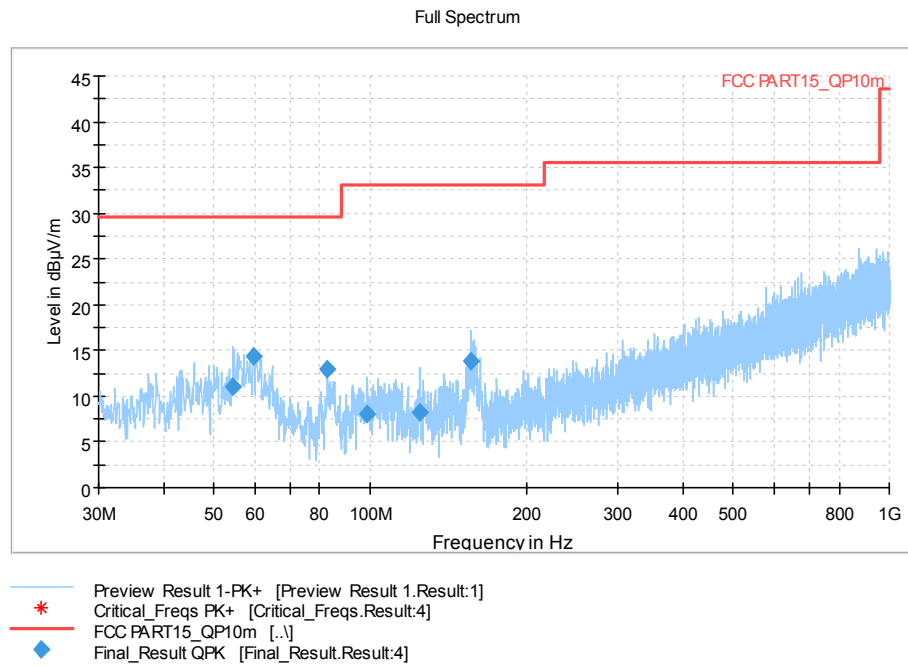


Figure A.7 Radiated Emission from 30MHz to 1GHz

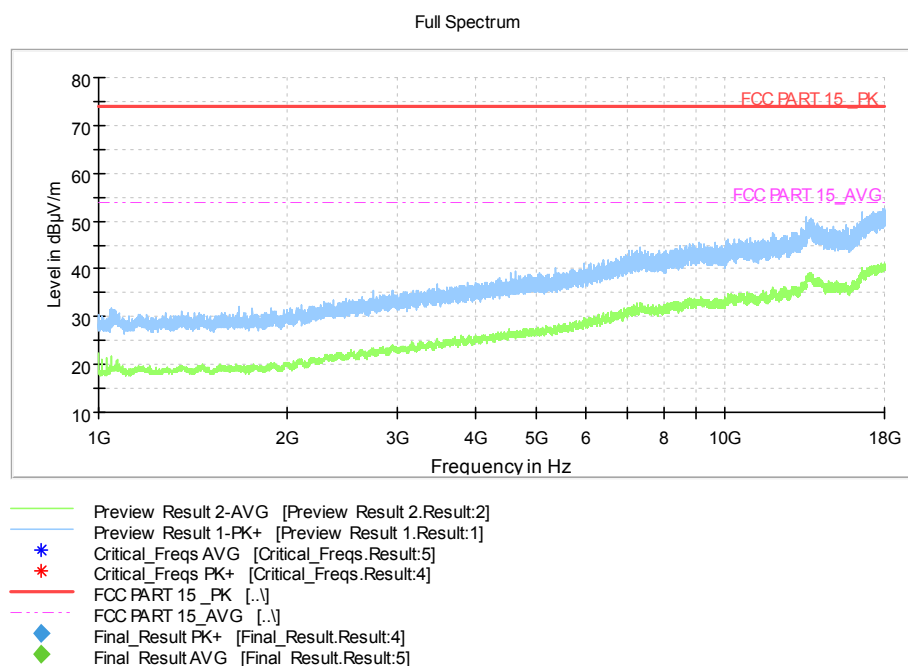


Figure A.8 Radiated Emission from 1GHz to 18GHz

EUT1 Charger5+MP4 Mode,Set.1-5

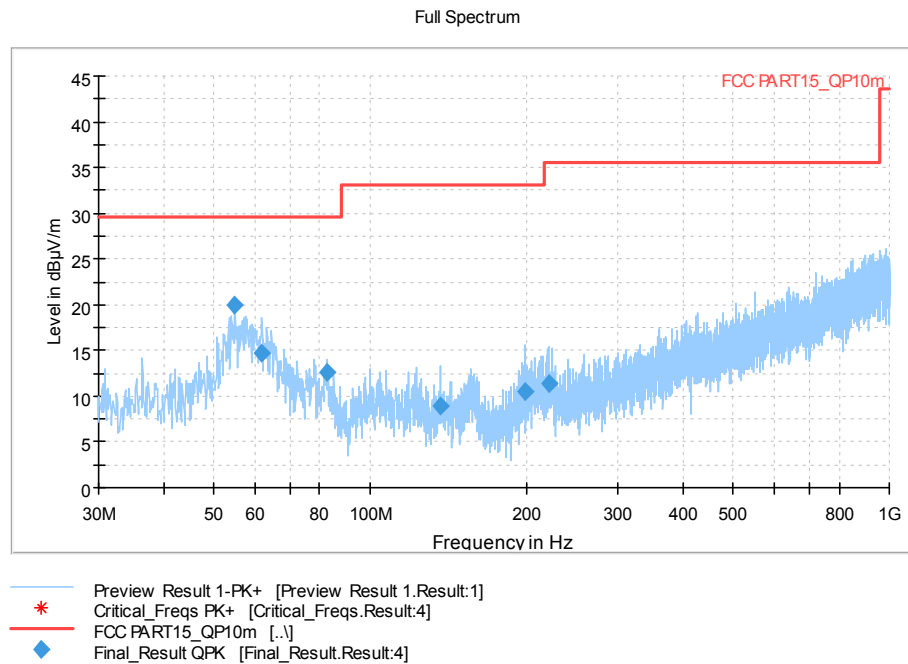


Figure A.9 Radiated Emission from 30MHz to 1GHz

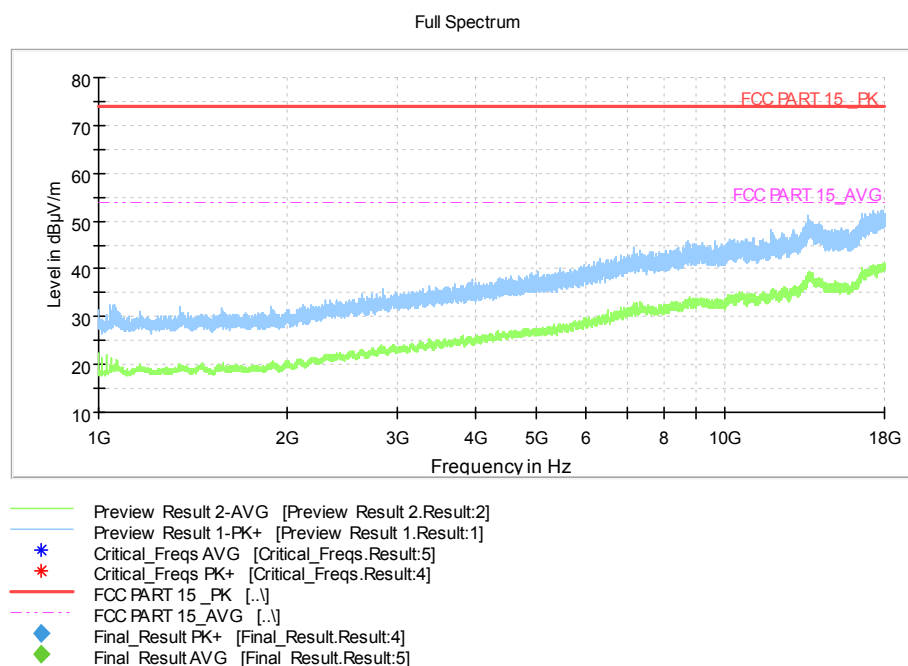


Figure A.10 Radiated Emission from 1GHz to 18GHz

EUT1 PC TO USB +Front Camera Mode,Set.2-1

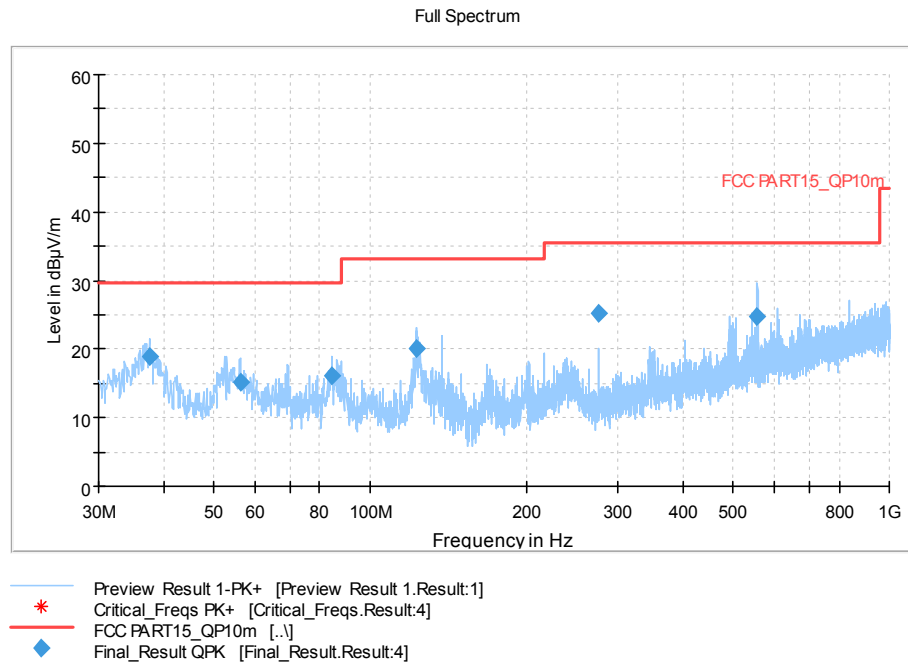


Figure A.11 Radiated Emission from 30MHz to 1GHz

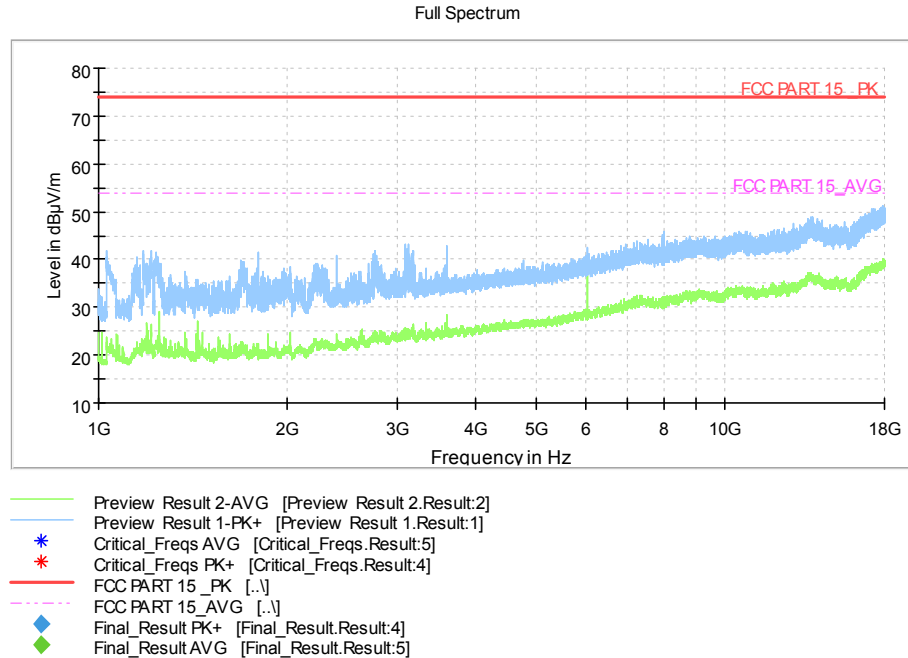


Figure A.12 Radiated Emission from 1GHz to 18GHz

EUT3 PC TO USB +Front Camera Mode,Set.2-2

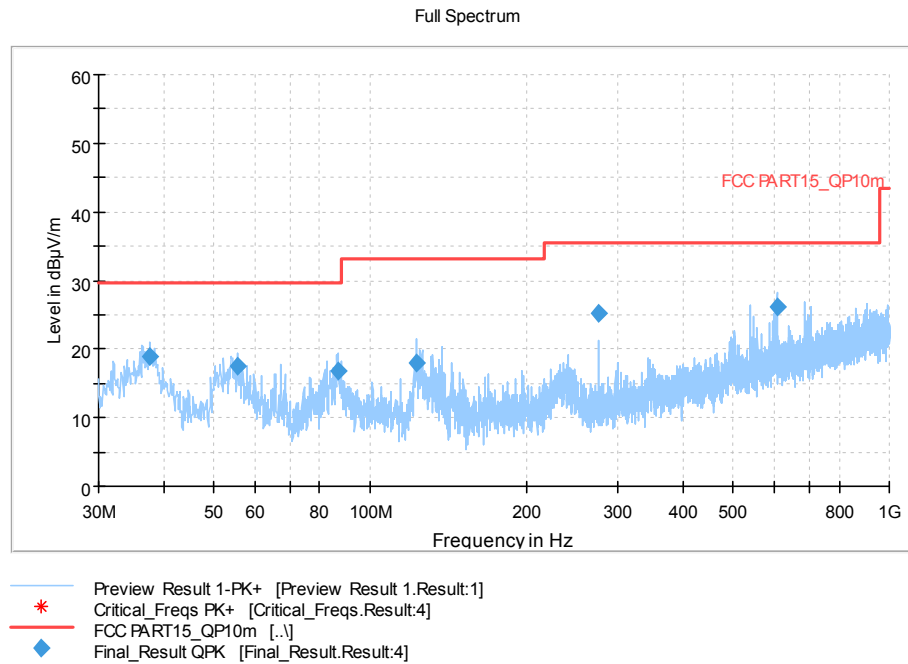


Figure A.13 Radiated Emission from 30MHz to 1GHz

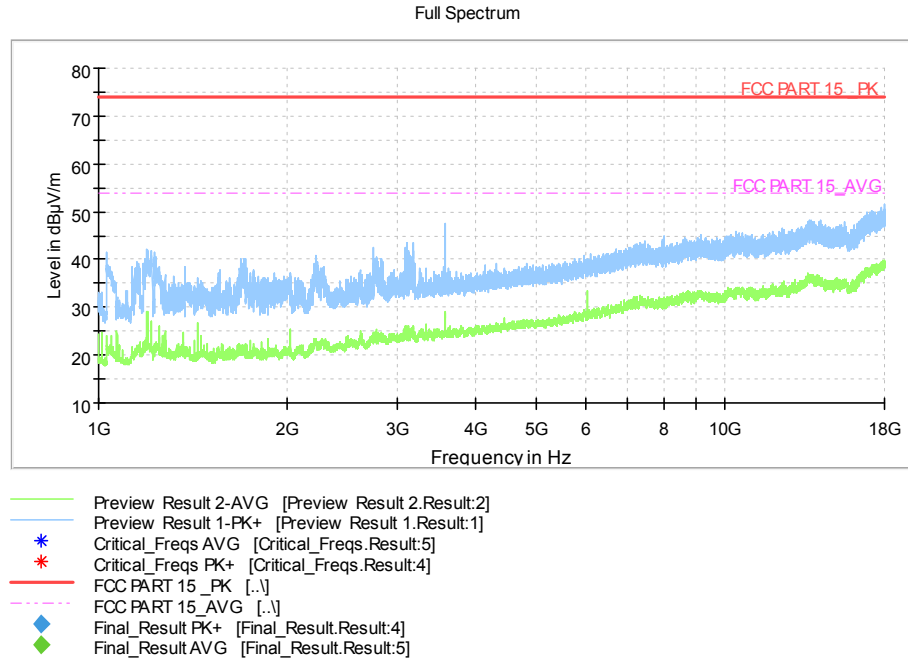


Figure A.14 Radiated Emission from 1GHz to 18GHz

EUT1 Headset1 +FM Mode, Set.3-1

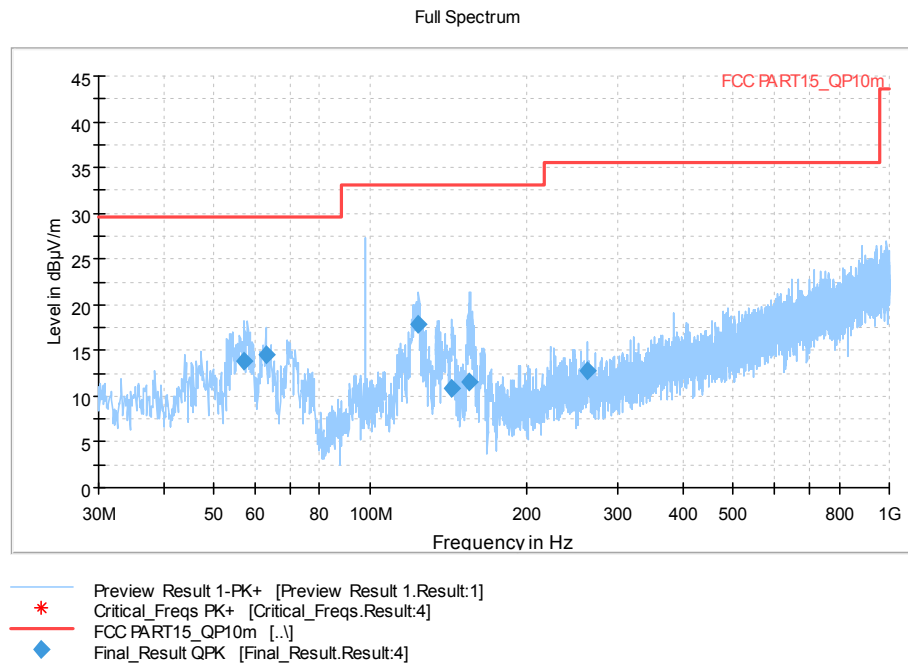


Figure A.15 Radiated Emission from 30MHz to 1GHz

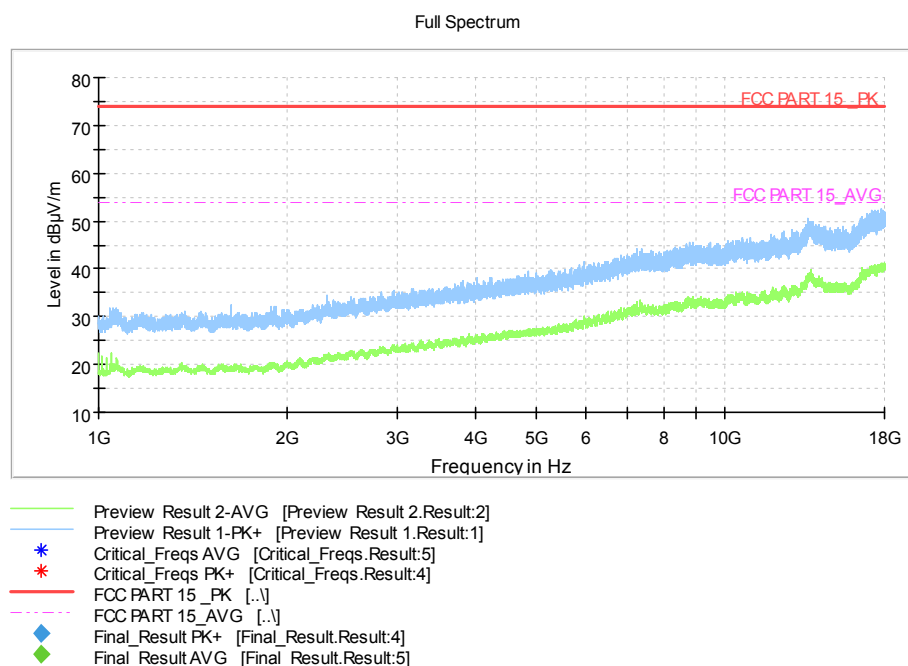


Figure A.16 Radiated Emission from 1GHz to 18GHz

EUT1 Headset2 +FM Mode, Set.3-2

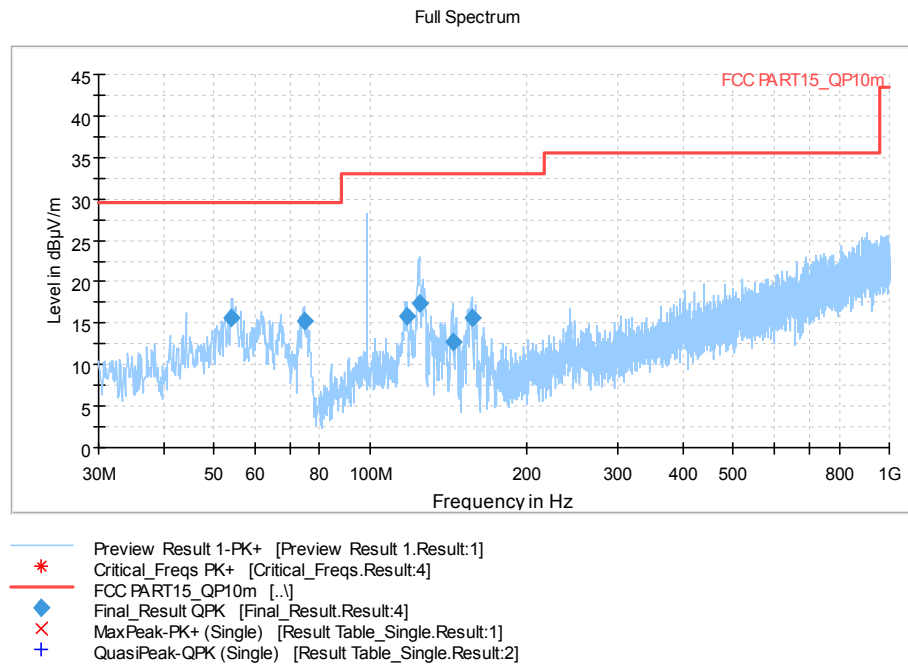


Figure A.17 Radiated Emission from 30MHz to 1GHz

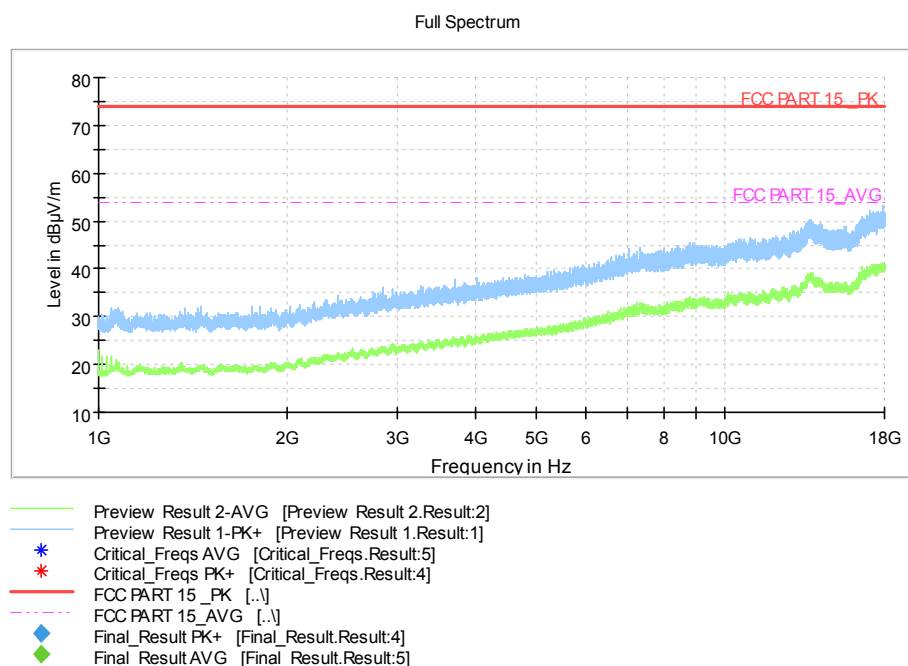


Figure A.18 Radiated Emission from 1GHz to 18GHz

EUT1 Headset3 +FM Mode, Set.3-3

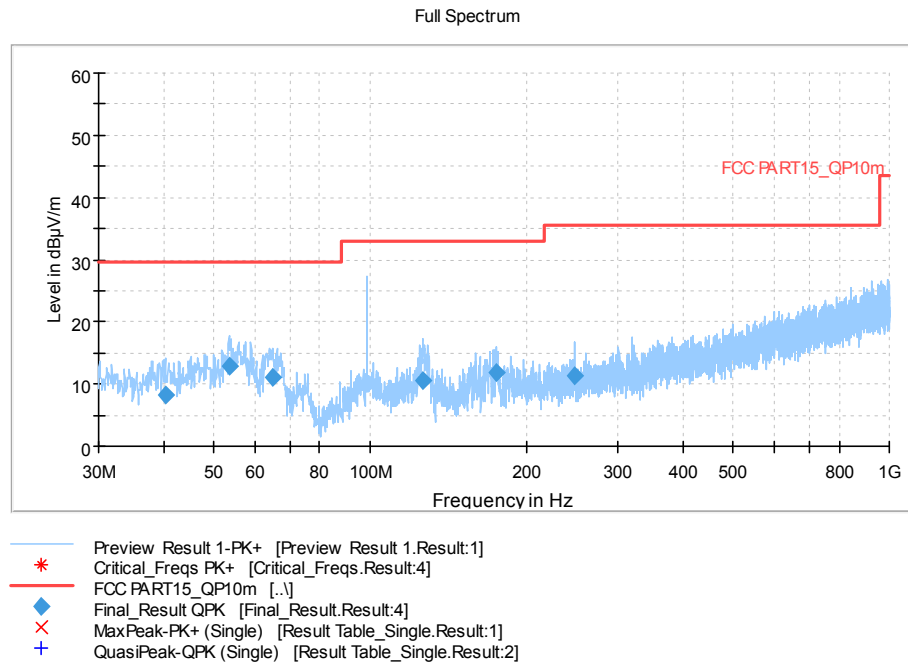


Figure A.19 Radiated Emission from 30MHz to 1GHz

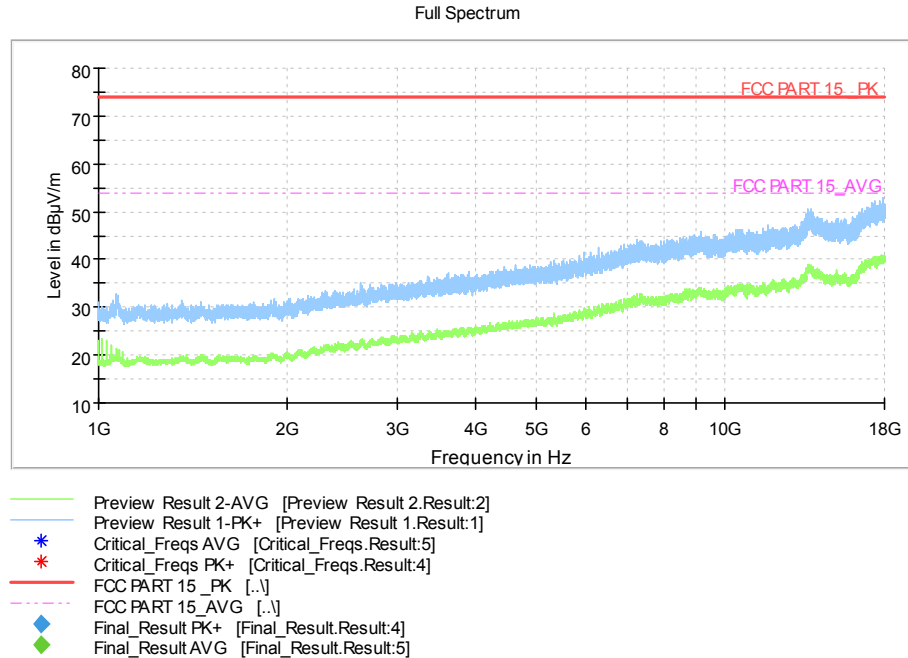


Figure A.20 Radiated Emission from 1GHz to 18GHz

EUT3 Headset1 +FM Mode, Set.3-4

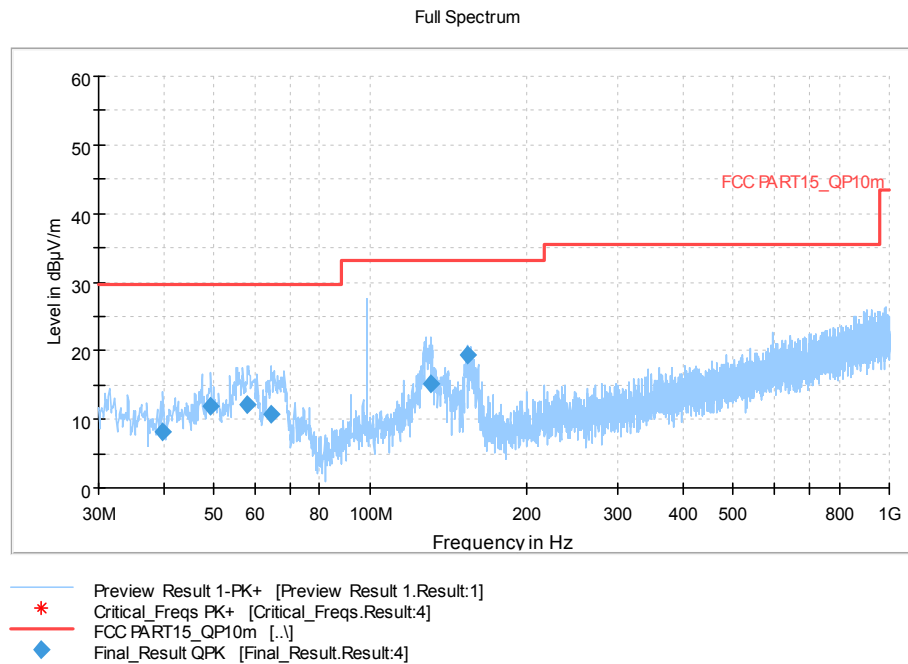


Figure A.21 Radiated Emission from 30MHz to 1GHz

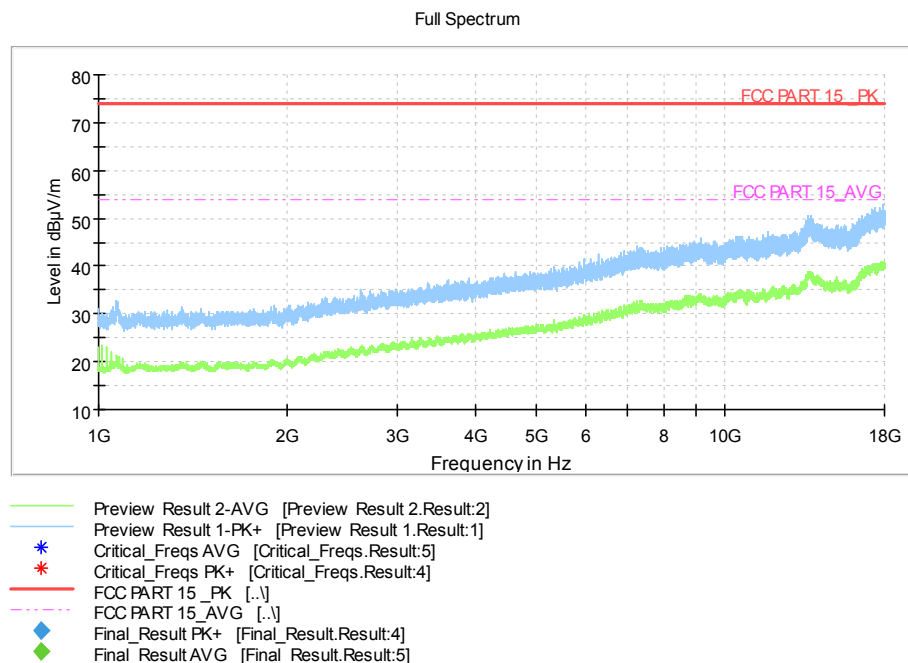


Figure A.22 Radiated Emission from 1GHz to 18GHz

**EUT1 Charger1 + Black screen + Turn off all functions + Turn off all communication Mode,
Set.4-1**

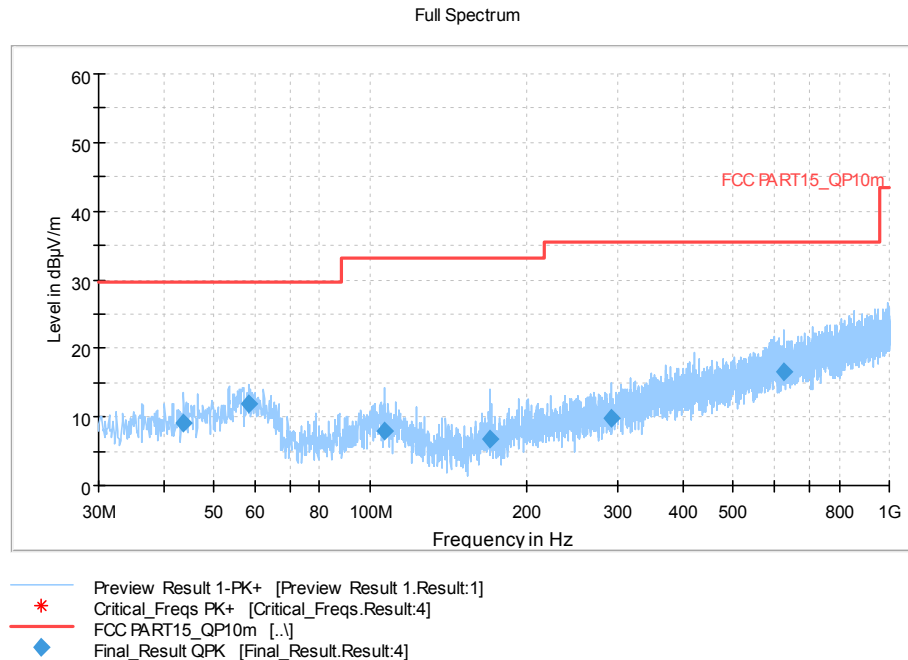


Figure A.23 Radiated Emission from 30MHz to 1GHz

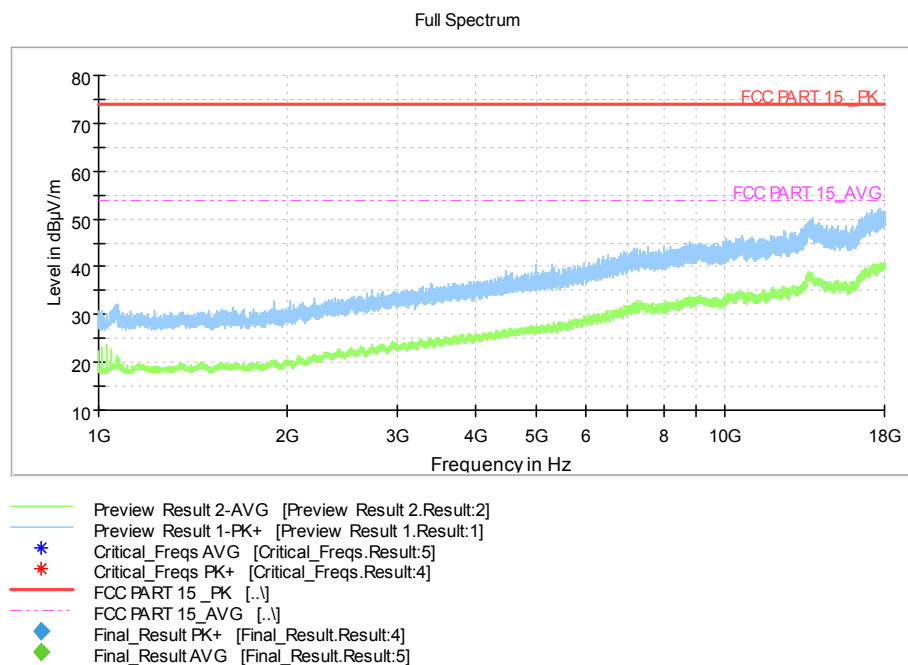


Figure A.24 Radiated Emission from 1GHz to 18GHz

A.2 Conducted Emission

Reference

FCC: CFR Part 15.107(a).

A.2.1 Method of measurement

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 7.3.

A.2.2 EUT Operating Mode

The MS is operating in the charging mode. During the test MS is connected to a charger in the case of charging mode.

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency		

A.2.4 Test Condition in charging mode

Voltage (V)	Frequency (Hz)
120	60

RBW/IF bandwidth	Sweep Time(s)
9kHz	1

A.2.5 Measurement Results

Measurement uncertainty: $U=3.08\text{dB}$, $k=2$.

Note: The measurement results showed here are worst cases of the combinations of different Battery, cables and Headset.

Note: The measurement results showed here are worst cases.

EUT1 Charger1+Rear Camera+GSM 850 RX Mode,Set.1-1

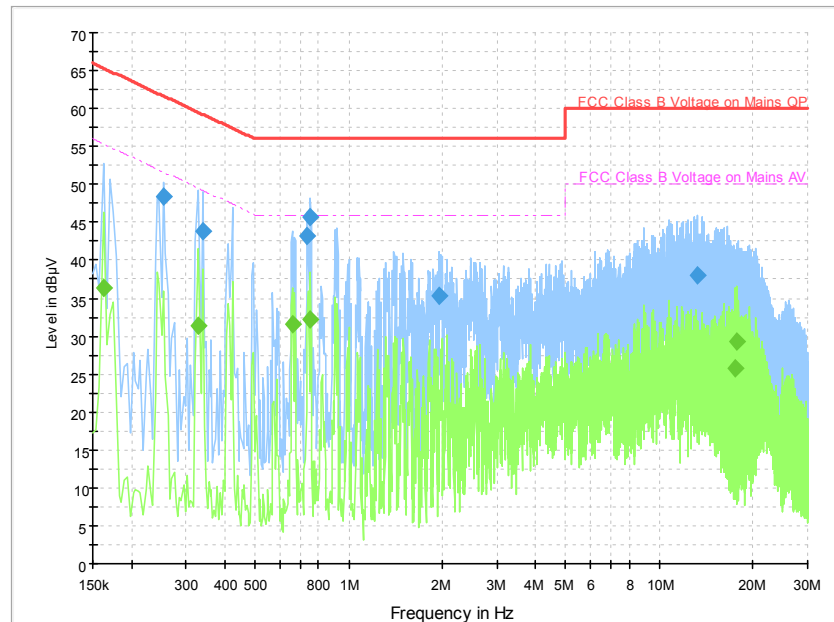


Figure A.25 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.254000	48.4	5000.0	9.000	On	N	19.8	13.3	61.6
0.338000	43.8	5000.0	9.000	On	N	19.9	15.5	59.3
0.734000	43.2	5000.0	9.000	On	N	19.8	12.8	56.0
0.754000	45.8	5000.0	9.000	On	N	19.8	10.2	56.0
1.958000	35.3	5000.0	9.000	On	N	19.7	20.7	56.0
13.246000	37.9	5000.0	9.000	On	N	19.8	22.1	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.162000	36.4	5000.0	9.000	On	L1	20.0	19.0	55.4
0.326000	31.4	5000.0	9.000	On	L1	19.9	18.2	49.6
0.658000	31.6	5000.0	9.000	On	L1	19.7	14.4	46.0
0.754000	32.2	5000.0	9.000	On	N	19.8	13.8	46.0
17.602000	25.8	5000.0	9.000	On	N	20.0	24.2	50.0
17.766000	29.3	5000.0	9.000	On	N	20.0	20.7	50.0

EUT2 Charger2+Front Camera Mode,Set.1-2

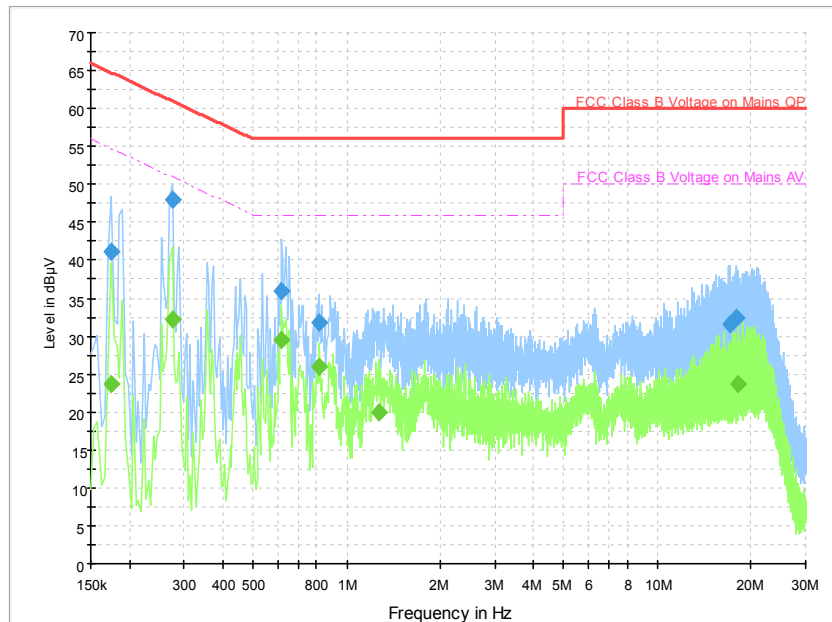


Figure A.26 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.174000	41.2	5000.0	9.000	On	N	19.7	23.5	64.8
0.274000	47.9	5000.0	9.000	On	N	19.8	13.1	61.0
0.618000	36.0	5000.0	9.000	On	N	19.8	20.0	56.0
0.818000	31.8	5000.0	9.000	On	L1	19.6	24.2	56.0
17.226000	31.5	5000.0	9.000	On	L1	19.9	28.5	60.0
18.034000	32.4	5000.0	9.000	On	L1	19.9	27.6	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.174000	23.7	5000.0	9.000	On	N	19.7	31.0	54.8
0.274000	32.3	5000.0	9.000	On	N	19.8	18.7	51.0
0.618000	29.4	5000.0	9.000	On	L1	19.7	16.6	46.0
0.818000	25.9	5000.0	9.000	On	L1	19.6	20.1	46.0
1.266000	20.0	5000.0	9.000	On	N	19.8	26.0	46.0
18.134000	23.8	5000.0	9.000	On	L1	19.9	26.2	50.0

EUT3 Charger3+MP4 Mode,Set.1-3

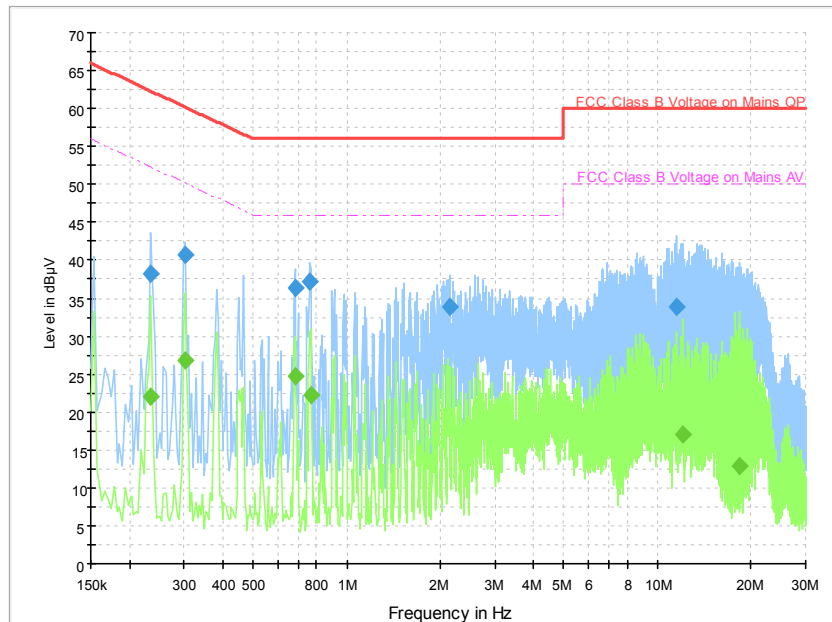


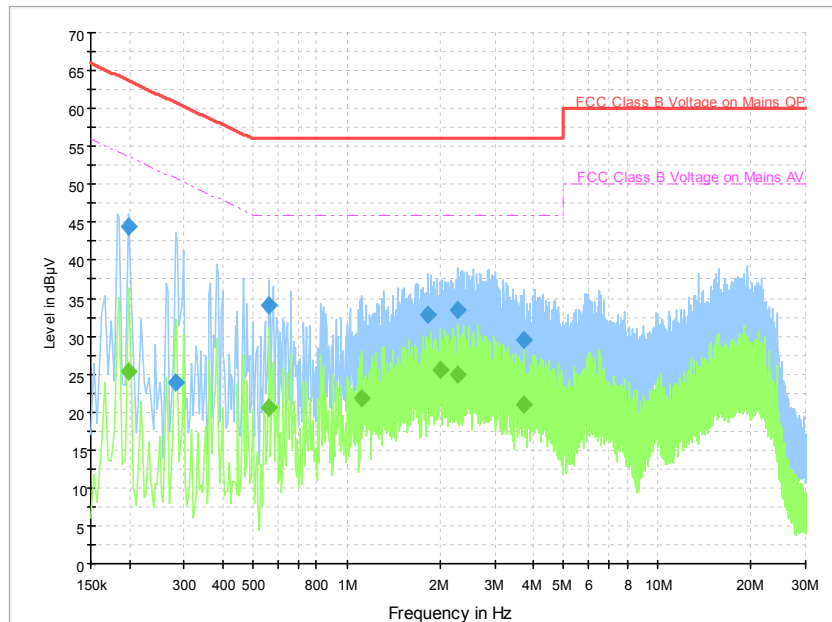
Figure A.27 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.234000	38.3	5000.0	9.000	On	L1	20.0	24.0	62.3
0.302000	40.8	5000.0	9.000	On	L1	20.0	19.4	60.2
0.682000	36.4	5000.0	9.000	On	N	19.8	19.6	56.0
0.762000	37.2	5000.0	9.000	On	L1	19.7	18.8	56.0
2.138000	33.9	5000.0	9.000	On	L1	19.5	22.1	56.0
11.518000	33.8	5000.0	9.000	On	N	19.7	26.2	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.234000	22.1	5000.0	9.000	On	L1	20.0	30.2	52.3
0.302000	26.9	5000.0	9.000	On	N	19.9	23.3	50.2
0.682000	24.7	5000.0	9.000	On	N	19.8	21.3	46.0
0.766000	22.1	5000.0	9.000	On	N	19.8	23.9	46.0
12.030000	17.0	5000.0	9.000	On	N	19.7	33.0	50.0
18.386000	12.9	5000.0	9.000	On	L1	19.9	37.1	50.0

EUT4 Charger4+MP4 Mode,Set.1-4:

Figure A.28 Conducted Emission
Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.198000	44.5	5000.0	9.000	On	L1	20.0	19.2	63.7
0.282000	23.8	5000.0	9.000	On	N	19.9	37.0	60.8
0.562000	34.0	5000.0	9.000	On	L1	19.9	22.0	56.0
1.830000	32.7	5000.0	9.000	On	L1	19.5	23.3	56.0
2.278000	33.4	5000.0	9.000	On	L1	19.5	22.6	56.0
3.710000	29.5	5000.0	9.000	On	L1	19.5	26.5	56.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.198000	25.3	5000.0	9.000	On	L1	20.0	28.4	53.7
0.562000	20.6	5000.0	9.000	On	L1	19.9	25.4	46.0
1.122000	21.8	5000.0	9.000	On	L1	19.5	24.2	46.0
1.994000	25.5	5000.0	9.000	On	L1	19.4	20.5	46.0
2.278000	24.8	5000.0	9.000	On	L1	19.5	21.2	46.0
3.710000	20.9	5000.0	9.000	On	L1	19.5	25.1	46.0

EUT1 Charger5+MP4 Mode,Set.1-5

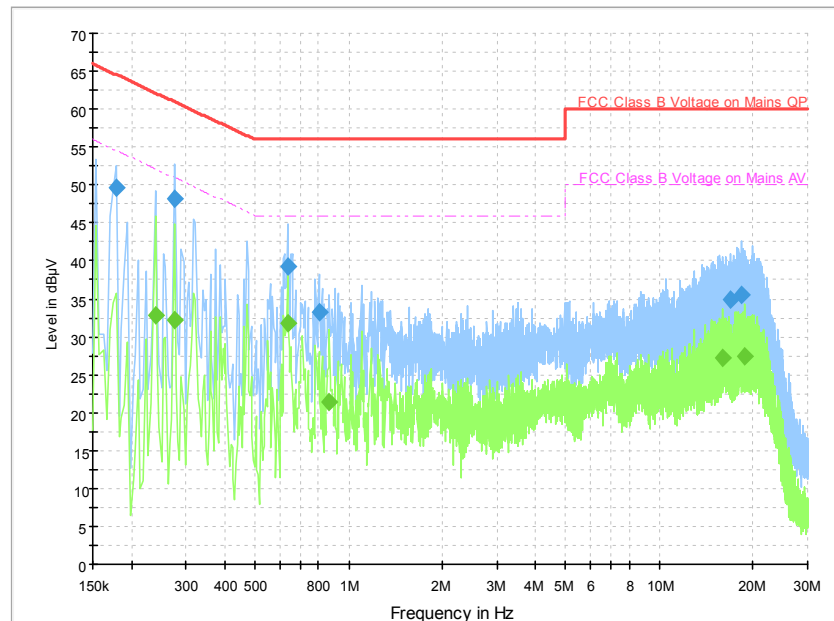


Figure A.29 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.178000	49.6	5000.0	9.000	On	N	19.7	15.0	64.6
0.274000	48.2	5000.0	9.000	On	N	19.8	12.8	61.0
0.634000	39.3	5000.0	9.000	On	L1	19.7	16.7	56.0
0.802000	33.2	5000.0	9.000	On	L1	19.6	22.8	56.0
16.974000	34.8	5000.0	9.000	On	L1	19.9	25.2	60.0
18.302000	35.6	5000.0	9.000	On	L1	19.9	24.4	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.238000	32.9	5000.0	9.000	On	L1	20.0	19.3	52.2
0.274000	32.2	5000.0	9.000	On	N	19.8	18.8	51.0
0.634000	31.9	5000.0	9.000	On	L1	19.7	14.1	46.0
0.866000	21.4	5000.0	9.000	On	L1	19.6	24.6	46.0
15.906000	27.2	5000.0	9.000	On	L1	19.9	22.8	50.0
18.794000	27.3	5000.0	9.000	On	L1	19.9	22.7	50.0

EUT1 PC TO USB +Front Camera Mode,Set.2-1

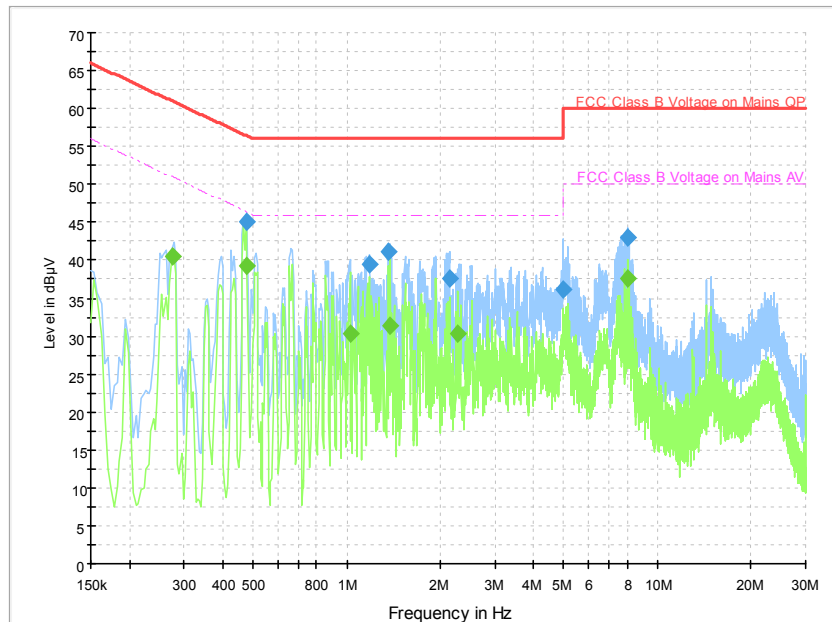


Figure A.30 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.474000	45.1	5000.0	9.000	On	N	20.0	11.4	56.4
1.182000	39.5	5000.0	9.000	On	N	19.8	16.5	56.0
1.362000	41.1	5000.0	9.000	On	L1	19.5	14.9	56.0
2.138000	37.7	5000.0	9.000	On	L1	19.5	18.3	56.0
4.990000	36.2	5000.0	9.000	On	L1	19.6	19.8	56.0
8.014000	42.9	5000.0	9.000	On	L1	19.6	17.1	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.274000	40.6	5000.0	9.000	On	L1	20.0	10.4	51.0
0.474000	39.3	5000.0	9.000	On	N	20.0	7.1	46.4
1.026000	30.4	5000.0	9.000	On	L1	19.6	15.6	46.0
1.382000	31.4	5000.0	9.000	On	N	19.8	14.6	46.0
2.286000	30.4	5000.0	9.000	On	N	19.8	15.6	46.0
8.014000	37.7	5000.0	9.000	On	L1	19.6	12.3	50.0

EUT3 PC TO USB +Front Camera Mode,Set.2-2

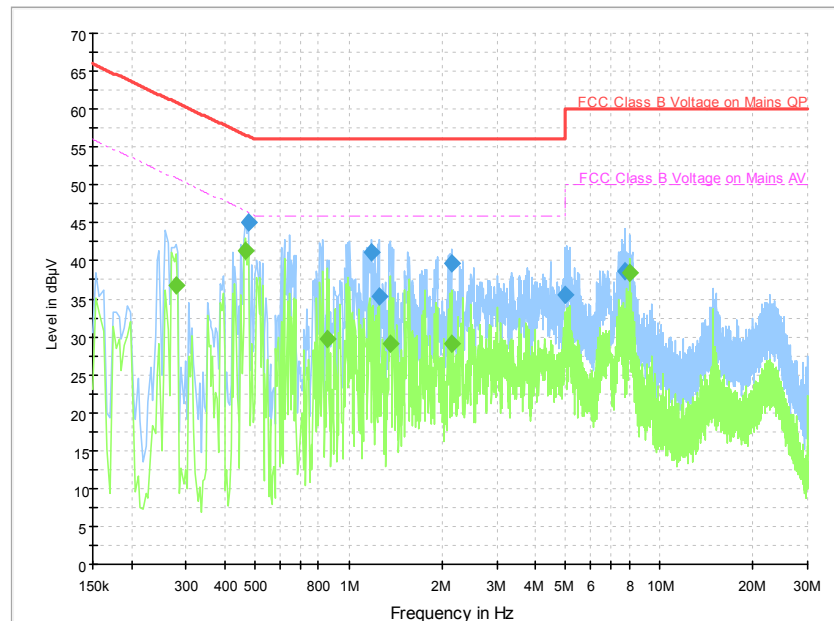


Figure A.31 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.474000	45.1	5000.0	9.000	On	N	20.0	11.3	56.4
1.186000	41.1	5000.0	9.000	On	L1	19.5	14.9	56.0
1.254000	35.3	5000.0	9.000	On	L1	19.5	20.7	56.0
2.134000	39.7	5000.0	9.000	On	N	19.8	16.3	56.0
4.986000	35.4	5000.0	9.000	On	L1	19.6	20.6	56.0
7.722000	38.6	5000.0	9.000	On	L1	19.5	21.4	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.278000	36.7	5000.0	9.000	On	N	19.9	14.2	50.9
0.466000	41.3	5000.0	9.000	On	N	20.0	5.3	46.6
0.850000	29.8	5000.0	9.000	On	N	19.8	16.2	46.0
1.354000	29.0	5000.0	9.000	On	L1	19.5	17.0	46.0
2.134000	29.1	5000.0	9.000	On	N	19.8	16.9	46.0
8.014000	38.3	5000.0	9.000	On	N	19.7	11.7	50.0

EUT1 Headset1 +FM Mode,Set.3-1

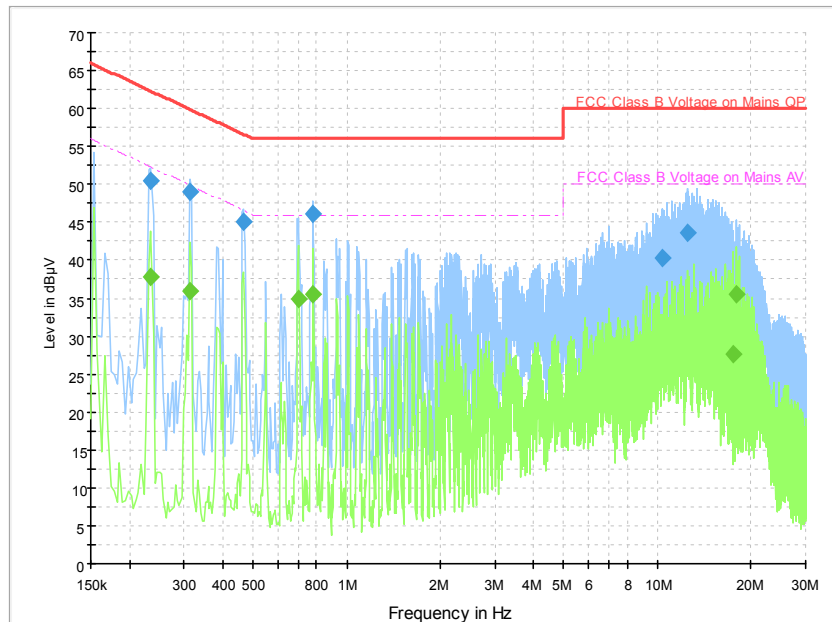


Figure A.32 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.234000	50.4	5000.0	9.000	On	N	19.8	11.9	62.3
0.314000	49.0	5000.0	9.000	On	N	19.9	10.9	59.9
0.466000	45.0	5000.0	9.000	On	N	20.0	11.6	56.6
0.778000	46.1	5000.0	9.000	On	N	19.8	9.9	56.0
10.370000	40.2	5000.0	9.000	On	N	19.8	19.8	60.0
12.546000	43.6	5000.0	9.000	On	N	19.7	16.4	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.234000	37.9	5000.0	9.000	On	N	19.8	14.4	52.3
0.314000	36.0	5000.0	9.000	On	N	19.9	13.8	49.9
0.698000	34.9	5000.0	9.000	On	L1	19.7	11.1	46.0
0.778000	35.6	5000.0	9.000	On	N	19.8	10.4	46.0
17.626000	27.7	5000.0	9.000	On	L1	19.9	22.3	50.0
17.854000	35.5	5000.0	9.000	On	L1	19.9	14.5	50.0

EUT1 Headset2 +FM Mode,Set.3-2

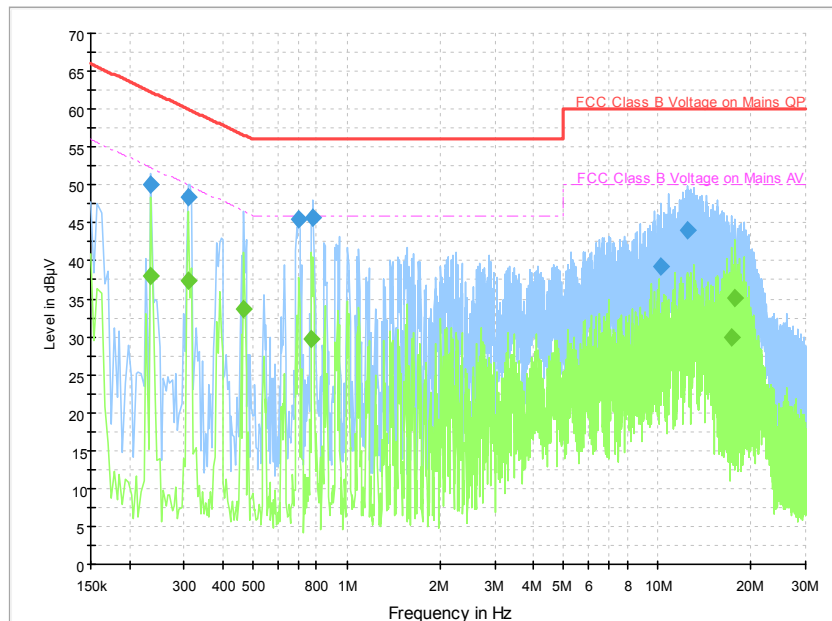


Figure A.33 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.234000	50.0	5000.0	9.000	On	N	19.8	12.3	62.3
0.310000	48.3	5000.0	9.000	On	L1	20.0	11.7	60.0
0.702000	45.5	5000.0	9.000	On	L1	19.7	10.5	56.0
0.778000	45.8	5000.0	9.000	On	N	19.8	10.2	56.0
10.242000	39.2	5000.0	9.000	On	N	19.8	20.8	60.0
12.546000	44.1	5000.0	9.000	On	N	19.7	15.9	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.234000	38.0	5000.0	9.000	On	N	19.8	14.3	52.3
0.310000	37.4	5000.0	9.000	On	L1	20.0	12.5	50.0
0.466000	33.6	5000.0	9.000	On	N	20.0	13.0	46.6
0.770000	29.7	5000.0	9.000	On	L1	19.7	16.3	46.0
17.306000	30.0	5000.0	9.000	On	L1	19.9	20.0	50.0
17.846000	35.0	5000.0	9.000	On	L1	19.9	15.0	50.0

EUT1 Headset3 +FM Mode,Set.3-3

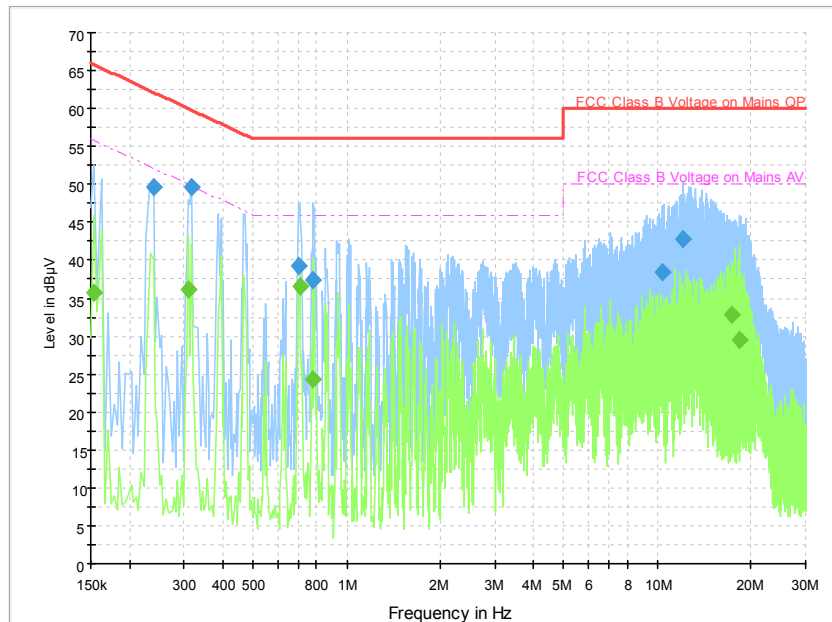


Figure A.34 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.238000	49.7	5000.0	9.000	On	N	19.8	12.5	62.2
0.318000	49.7	5000.0	9.000	On	N	19.9	10.0	59.8
0.698000	39.2	5000.0	9.000	On	N	19.8	16.8	56.0
0.782000	37.4	5000.0	9.000	On	N	19.8	18.6	56.0
10.374000	38.5	5000.0	9.000	On	N	19.8	21.5	60.0
12.102000	42.8	5000.0	9.000	On	N	19.7	17.2	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.154000	35.7	5000.0	9.000	On	N	19.8	20.1	55.8
0.310000	36.1	5000.0	9.000	On	L1	20.0	13.9	50.0
0.706000	36.5	5000.0	9.000	On	L1	19.7	9.5	46.0
0.782000	24.3	5000.0	9.000	On	N	19.8	21.7	46.0
17.294000	32.9	5000.0	9.000	On	L1	19.9	17.1	50.0
18.458000	29.5	5000.0	9.000	On	L1	19.9	20.5	50.0

EUT3 Headset1 +FM Mode,Set.3-4

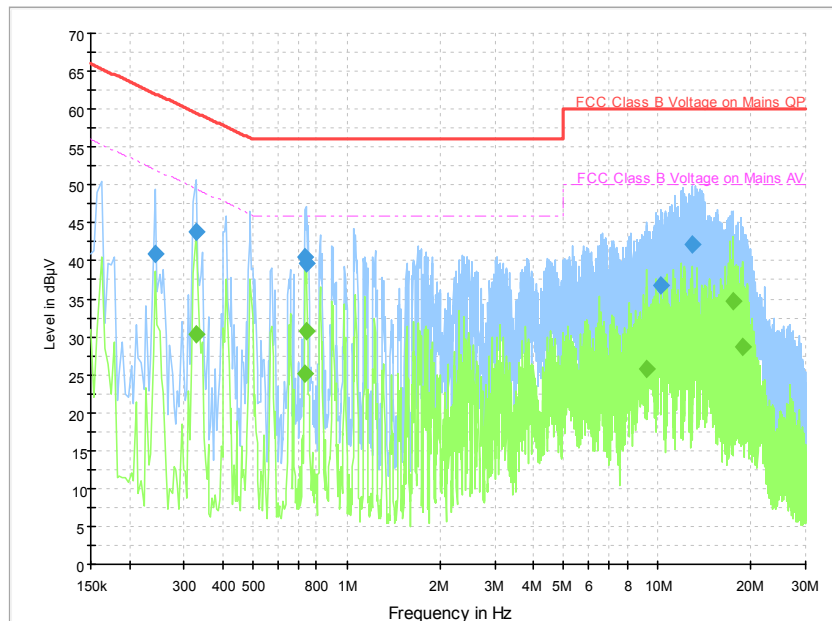


Figure A.35 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.242000	40.9	5000.0	9.000	On	N	19.8	21.2	62.0
0.326000	43.8	5000.0	9.000	On	N	19.8	15.8	59.6
0.734000	40.5	5000.0	9.000	On	L1	19.7	15.5	56.0
0.738000	39.6	5000.0	9.000	On	N	19.8	16.4	56.0
10.206000	36.8	5000.0	9.000	On	N	19.8	23.2	60.0
13.010000	42.2	5000.0	9.000	On	N	19.8	17.8	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.326000	30.3	5000.0	9.000	On	N	19.8	19.3	49.6
0.734000	25.1	5000.0	9.000	On	L1	19.7	20.9	46.0
0.742000	30.7	5000.0	9.000	On	N	19.8	15.3	46.0
9.246000	25.7	5000.0	9.000	On	L1	19.6	24.3	50.0
17.594000	34.6	5000.0	9.000	On	L1	19.9	15.4	50.0
18.826000	28.6	5000.0	9.000	On	L1	19.9	21.4	50.0

**EUT1 Charger1 + Black screen + Turn off all functions + Turn off all communication Mode,
Set.4-1**

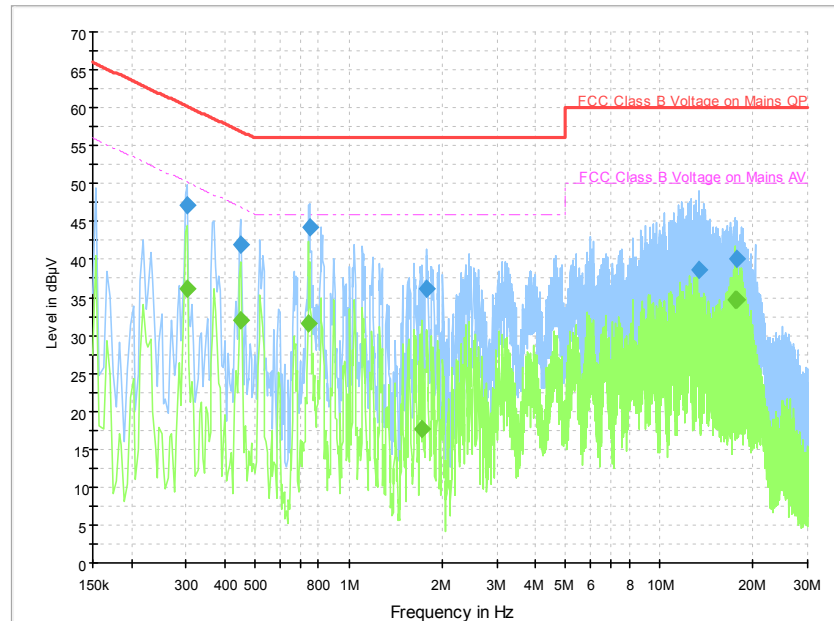


Figure A.36 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.302000	47.2	5000.0	9.000	On	N	19.9	13.0	60.2
0.450000	41.9	5000.0	9.000	On	N	19.9	15.0	56.9
0.750000	44.3	5000.0	9.000	On	N	19.8	11.7	56.0
1.782000	36.2	5000.0	9.000	On	L1	19.5	19.8	56.0
13.378000	38.7	5000.0	9.000	On	N	19.8	21.3	60.0
17.766000	40.2	5000.0	9.000	On	L1	19.9	19.8	60.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.302000	36.1	5000.0	9.000	On	N	19.9	14.1	50.2
0.450000	32.1	5000.0	9.000	On	N	19.9	14.8	46.9
0.742000	31.6	5000.0	9.000	On	L1	19.7	14.4	46.0
1.710000	17.6	5000.0	9.000	On	N	19.7	28.4	46.0
17.546000	34.7	5000.0	9.000	On	L1	19.9	15.3	50.0
17.766000	34.7	5000.0	9.000	On	L1	19.9	15.3	50.0

ANNEX B: Persons involved in this testing

Test Item	Tester
Conducted Continuous Emission	Yan Hanchen
Radiated Continuous Emission	Yan Hanchen, Zhang Tianli

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