TEST REPORT

No.24T04N001383-003-EMC

for

HMD Global Oy

Mobile Phone

Model Name: TA-1659

With

Hardware Version: FF646-MB-V0.2

Software Version: 0.2422.11.01

FCC ID: 2AJOTTA-1659

Issued Date:2024-08-08

Designation Number: CN1210

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of SAICT.

Test Laboratory:

SAICT, Shenzhen Academy of Information and Communications Technology

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04N001383-003-EMC	Rev.0	1st edition	2024-08-08

Note: the latest revision of the test report supersedes all previous version.

CONTENTS

1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Mobile Phone
Model Name	TA-1659
Applicant's name	HMD Global Oy
Manufacturer's Name	HMD Global Oy

1.2. Test Standards

FCC Part 15, Subpart B (10-1-2023 Edition); ANSI C63.4-2014.

1.3. Test Result

Total test 2 items, pass 2 items. Please refer to "6.2 Test Results".

1.4. Testing Location

Address: EMC Laboratory, Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, China

1.5. Project data

Testing Start Date: 2024-06-27 Testing End Date: 2024-07-15

1.6. Signature

Huang Kaiyang
(Prepared this test report)

Huang Yuqing
(Reviewed this test report)

Cao Junfei
(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name:	HMD Global Oy
Address:	Bertel Jungin aukio 9,02600 Espoo,Finland
Contact:	reza.serafat
E-mail	reza.serafat@hmdglobal.com
Tel:	+491735287964

2.2. Manufacturer Information

Company Name:	HMD Global Oy
Address:	Bertel Jungin aukio 9,02600 Espoo,Finland
Contact:	reza.serafat
E-mail	reza.serafat@hmdglobal.com
Tel:	+491735287964

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)

3.1. About EUT

Description	Mobile Phone
Model Name	TA-1659
FCC ID	2AJOTTA-1659
Condition of EUT as received	No obvious damage in appearance

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of Shenzhen Academy of Information and Communications Technology.

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version	PA	Receive Date
UT01aa	350523590001019	FF638-MB-V0.2	0.2422.11.01	Mains supply	2024-06-27
UT03aa	350523590002090	FF638-MB-V0.2	0.2422.11.01	Secondary supply	2024-06-27
UT07aa	350523590002231	FF638-MB-V0.2	0.2422.11.01	Secondary supply	2024-06-27

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

3.3. Internal Identification of AE

AE ID*	Description
AE1	Battery
AE2	Charger
AE3	USB Cable
AE4	Headset

AE1-1

Model	BL-L5H
Manufacturer	Guangdong Fenghua New Energy Co.,Ltd/ FENG HUA NEW ENERGY PRIVATE LIMITED
Capacity	1450mAh
Nominal Voltage	3.7V

AE1-2

Model	BL-L5H
Manufacturer	SHENZHEN UTILITY ENERGYCO.,LTD./ ADIT INFRATEL PVT.LTD
Capacity	1450mAh
Nominal Voltage	3.7V

AE2-1

Model	AC-18E
Manufacturer	Shenzhen Baijunda Electronic Co.,Ltd./

	Baijunda Electronics Private Limited
Specification	Europe Standard Charger
AE2-2	
Model	AC-18X
Manufacturer	Shenzhen Baijunda Electronic Co.,Ltd./
	Baijunda Electronics Private Limited
Specification	British Standard Charger
AE2-3	
Model	AC-18U
Manufacturer	Shenzhen Baijunda Electronic Co.,Ltd./
	Baijunda Electronics Private Limited
Specification	American Standard Charger
AE2-4	
Model	AC-18A
Manufacturer	Shenzhen Baijunda Electronic Co.,Ltd./
	Baijunda Electronics Private Limited
Specification	Australian Standard Charger
AE2-5	
Model	AC-18N3
Manufacturer	Baijunda Electronics Private Limited
Specification	Indian Standard Charger
AE2-6	
Model	AC-18T
Manufacturer	Shenzhen Baijunda Electronic Co.,Ltd./
	Baijunda Electronics Private Limited
Specification	Thai Standard Charger
AE2-7	
Model	AC-18E
Manufacturer	Dayu Hongfa Electronics Co., Ltd
Specification	Europe Standard Charger
AE2-8	
Model	AC-18X
Manufacturer	Dayu Hongfa Electronics Co., Ltd
Specification	British Standard Charger
AE2-9	
Model	AC-18N3
Manufacturer	Hong Guang De Technology India Pvt Ltd.
Specification	Indian Standard Charger
AE3-1	
Model	SAT-A006A
Manufacturer	Saibao(Jiangxi) Communication Industrial Co.,Ltd
AE3-2	
Model	JWUB1710-W27H

Manufacturer HUIZHOU JUWEI ELECTRONICS CO.,LTD

AE4

Model JWEP1273-W27H

Manufacturer HUIZHOU JUWEI ELECTRONICS CO.,LTD

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

AE: ancillary equipment.

AE2：Charger Equality Declaration

Material Name	AE ID	Remarks	Manufacturer
AC-18E	AE2-1	Except pins and appearance, the other parts are the same.	Shenzhen Baijunda Electronic Co.,Ltd./ Baijunda Electronics Private Limited
AC-18X	AE2-2		
AC-18U	AE2-3		
AC-18A	AE2-4		
AC-18N3	AE2-5		
AC-18T	AE2-6		
AC-18E	AE2-7	Except pins and appearance, the other parts are the same.	Dayu Hongfa Electronics Co., Ltd/ Hong Guang De Technology India Pvt Ltd.
AC-18X	AE2-8		
AC-18N3	AE2-9		

3.4. EUT Set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT+AE1-1+AE2-2+AE4	
Set.2	EUT+AE1-2+AE2-2+AE4	

3.5. General Description

The Equipment Under Test (EUT) is a model of Mobile Phone with internal antenna.
Frequency Bands GSM850/900/1800/1900MHz, WCDMA Bands 1/2/4/5/8, LTE Bands 1/2/3/4/5/7/8/28/40/66.
It has MP3, Camera, FM receiver, USB memory and Bluetooth functions.
It consists of normal options: Battery, Charger, Headset and USB Cable.
Manual and specifications of the EUT were provided to fulfill the test.
Samples (EUT+AE) undergoing test were selected by the Client. Relevant information is provided by the client.

TA-1659(Mains supply) is a variant model based on TA-1667(Mains supply) for conformance test. According to client's description, the table below shows the differences:

Changes	TA-1659(Mains supply)	TA-1667(Mains supply)
Color	Black, Cyan, PINK	Titanium, Blue
Torch	Yes	No
Camera	No	Yes

TA-1659(Mains supply) the following tests need to be performed:

NO.	Test item	EUT ID	Operating mode
1	Conducted Emission	UT01aa	Video Player
2	Radiated Emission	UT01aa	Video Player

Other results are cited from the initial report.
The report number for initial model is 24T04N001372-009-EMC.

TA-1659(Secondary supply) is a variant model based on TA-1667(Secondary supply) for conformance test. According to client's description, the table below shows the differences:

Changes	TA-1659(Secondary supply)	TA-1667(Secondary supply)
Color	Black, Cyan, PINK	Titanium, Blue
Torch	Yes	No
Camera	No	Yes

TA-1659(Secondary supply) the following tests need to be performed:

NO.	Test item	EUT ID	Operating mode
1	Conducted Emission	UT07aa	Video Player
2	Radiated Emission	UT03aa	Video Player

Other results are cited from the initial report.
The report number for initial model is 24T04N001372-009-EMC.

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	(10-1-2023 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

Anechoic chamber (FACT3-2.0) did not exceed following limits along the EMC testing:
9.10m×6.10m×5.60m (L×W×H)

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4Ω
Normalised site attenuation (NSA)	< ±4 dB, 3 m distance, from 30 to 1000 MHz
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 6000 MHz

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

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. =20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω

6. SUMMARY OF TEST RESULTS

6.1. Testing Environment

Normal Temperature: 15~35℃
Relative Humidity: 20~75%
Atmospheric pressure 86~106kPa

6.2. Summary of Measurement Results

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

Items	Test Name	Clause in FCC/IC rules	Section in this report	Verdict
1	Radiated Emission	15.109(a)/ Section 6.2	A.1	P
2	Conducted Emission	15.107(a)/ Section 6.1	A.2	P

6.3. Statement

6.3.1 Statements of conformity

This report takes measured values as criterion of test conclusion. The test conclusion meets the limit requirements.

7. MEASUREMENT UNCERTAINTY

Test item	Frequency ranges	Measurement uncertainty
Radiated Emission	30MHz-1GHz	4.80dB(*k*=2)
	1GHz-18GHz	4.62dB(*k*=2)
	18GHz-40GHz	2.36dB(*k*=2)
Conducted Emission	150kHz-30MHz	2.68dB(*k*=2)

8. MEASURING APPARATUS UTILIZED

No.	Name	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1.	Test Receiver	ESR7	101676	R&S	2024.11.22	1 year
2.	Test Receiver	ESCI	100702	R&S	2025.01.10	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2025.01.10	1 year
4.	Hybrid antenna	VULB 9163	9163-330	Schwarzbeck	2027.04.21	3 years
5.	LISN	ENV216	102067	R&S	2024.10.07	1 year
6.	Horn Antenna	3117	00066577	ETS-Lindgren	2025.04.17	3 years
7.	Anechoic Chamber	FACT3-2.0	1285	ETS-Lindgren	2025.05.28	2 years
8.	Universal Radio Communication Tester	CMU200	114545	R&S	2025.01.10	1 year
9.	Universal Radio Communication Tester	CMW500	168719	R&S	2025.03.22	1 year
10.	Horn Antenna	QSH-SL-18-26-S-20	17013	Q-par	2026.02.01	3 years

9. MEASURING SOFTWARE

No.	Name	Manufacturer	Version
1	EMC32	Rohde & Schwarz	V10.50.40

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission (§15.109(a))

Reference

FCC: Part 15.109(a)

IC: ICES-003 section 6.2

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator at a distance of 3 meters or 1 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. Below 18GHz the measurement antenna was placed at a distance of 3 meters from the EUT. Above 18GHz the measurement antenna was placed at a distance of 1 meters from the EUT. (According to Part 15.31(f)(1), 1m limit is calculated by extrapolation factor of 20 dB/decade) . 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:

Camera: At the beginning of measurement, the battery is completely discharged. The battery and charger are installed so that the EUT works well and keeping on taking photos.

Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

The EUT was tested while operating in licensed band receiver mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in Section 3.1, 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. For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

A.1.3 Measurement Limit

Limit from 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

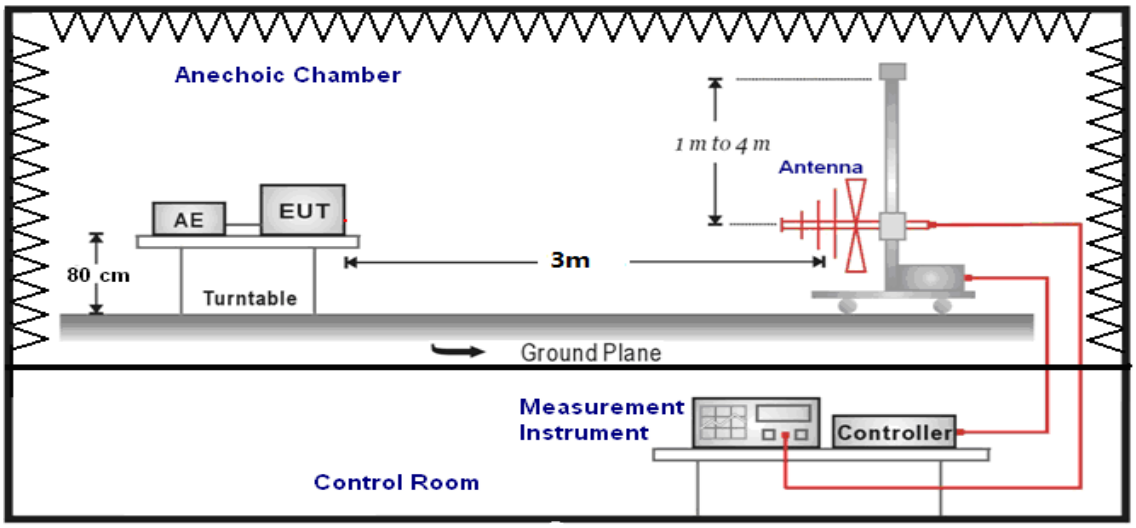
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

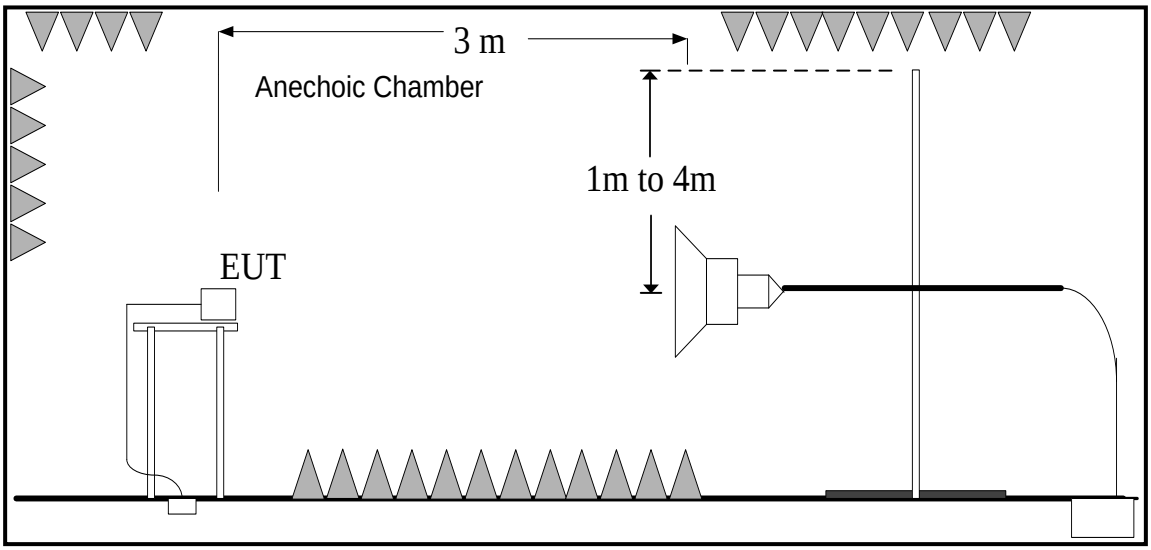
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

A.1.5 Test set-up:

30MHz-1GHz



1GHz-40GHz



A.1.6 Measurement Results

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

The measurement results are obtained as described below:

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

Where

G_A: Antenna factor of receive antenna

G_{PL}:PathLoss

P_{Mea}: Measurement result on receiver.

Result:Quasi-Peak(dBμV/m) /Average(dBμV/m)/Peak(dBμV/m)

Note: the result contains vertical part and Horizontal part

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT01aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.1.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT01aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.2.	P

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.2	Conclusion
30-88	40.00	See Figure A.1.3.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.4.	P

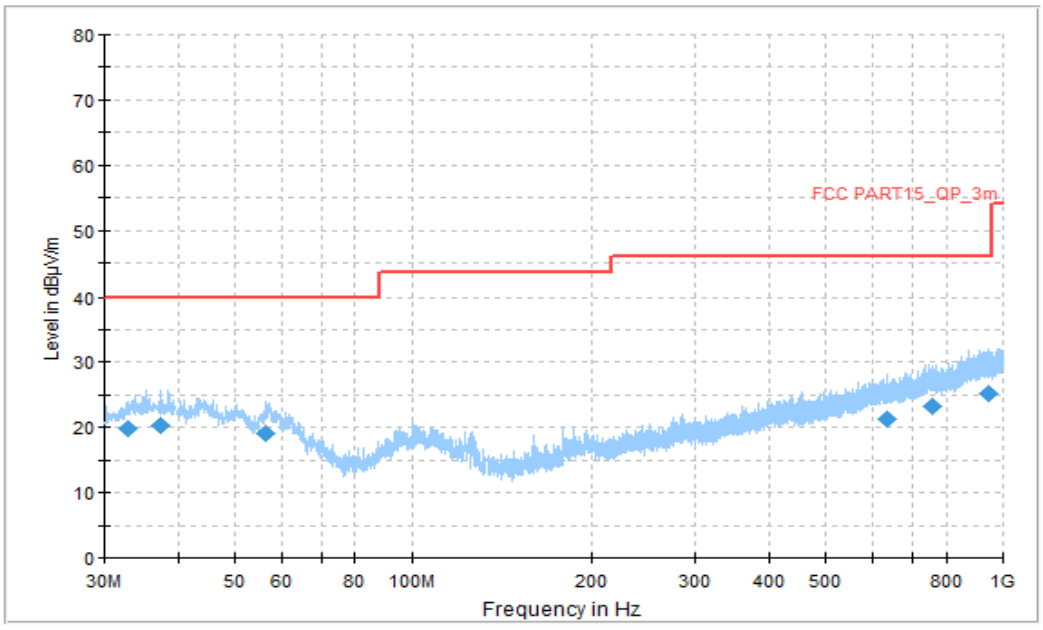


Figure A.1.1. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
32.963889	19.74	40.00	20.26	V	-15.0	34.74
37.436667	20.32	40.00	19.68	V	-14.0	34.32
56.459444	19.08	40.00	20.92	H	-12.8	31.88
634.525556	21.24	46.02	24.78	V	-4.2	25.44
758.416111	23.25	46.02	22.77	H	-2.0	25.25
945.680000	25.22	46.02	20.80	H	0.1	25.12

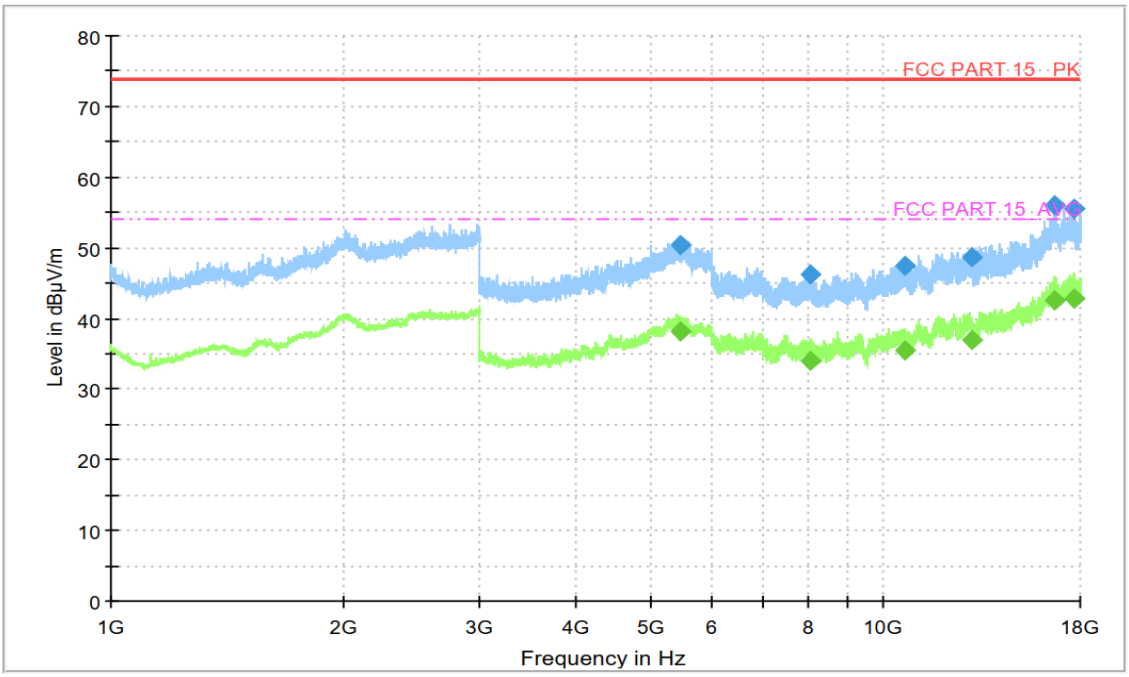


Figure A.1.2. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
5450.700000	50.47	74.00	23.53	H	7.4	43.07
8030.142857	46.21	74.00	27.79	V	7.4	38.81
10651.285714	47.54	74.00	26.46	H	9.9	37.64
13004.571429	48.77	74.00	25.23	V	13.0	35.77
16697.142857	55.93	74.00	18.07	H	19.0	36.93
17720.142857	55.44	74.00	18.56	V	20.5	34.94

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
5450.700000	38.19	54.00	15.81	H	7.4	30.79
8030.142857	33.99	54.00	20.01	V	7.4	26.59
10651.285714	35.50	54.00	18.50	H	9.9	25.60
13004.571429	36.83	54.00	17.17	V	13.0	23.83
16697.142857	42.57	54.00	11.43	H	19.0	23.57
17720.142857	42.88	54.00	11.12	V	20.5	22.38

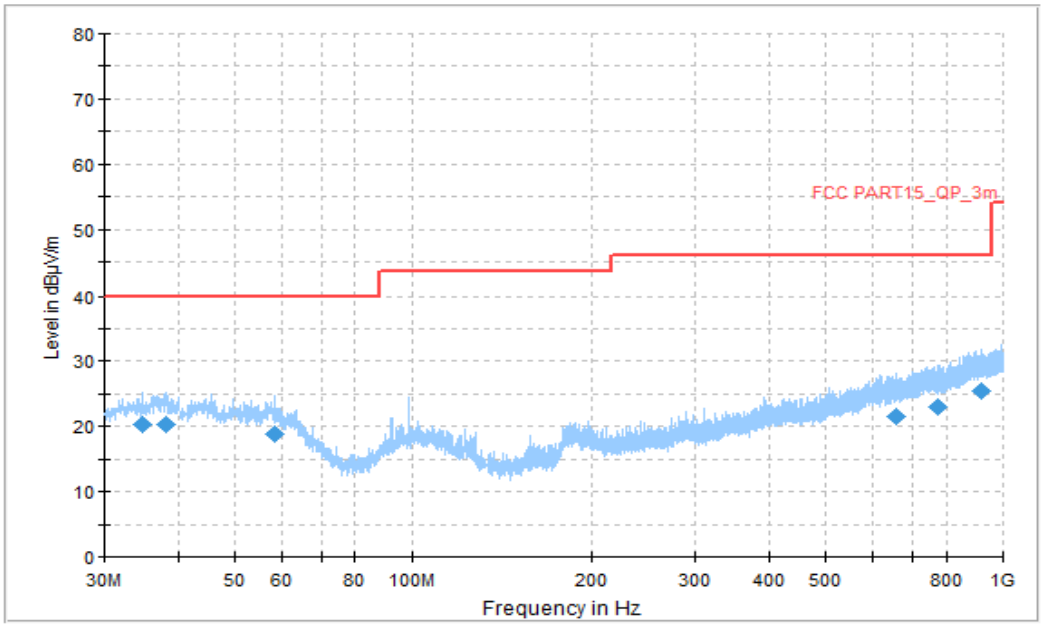


Figure A.1.3. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
34.850000	20.35	40.00	19.65	V	-14.5	34.85
38.191111	20.24	40.00	19.76	V	-13.8	34.04
58.345556	18.75	40.00	21.25	V	-13.0	31.75
656.997222	21.41	46.02	24.61	H	-3.9	25.31
775.983889	22.93	46.02	23.09	H	-2.3	25.23
921.376111	25.40	46.02	20.62	H	0.4	25.00

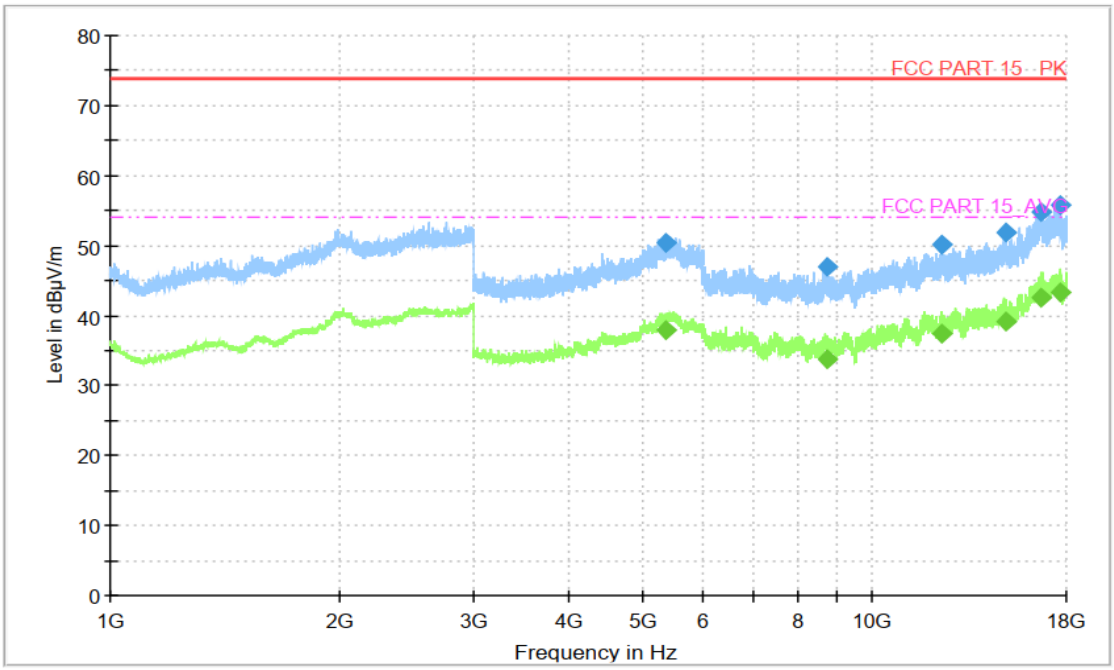


Figure A.1.4. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
5378.400000	50.40	74.00	23.60	V	7.1	43.30
8737.714286	46.99	74.00	27.01	H	7.6	39.39
12339.428572	50.24	74.00	23.76	H	12.8	37.44
14990.571429	51.81	74.00	22.19	V	14.5	37.31
16704.000000	54.90	74.00	19.10	V	19.0	35.9
17685.857143	55.66	74.00	18.34	V	20.6	35.06

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
5378.400000	37.85	54.00	16.15	V	7.1	30.75
8737.714286	33.70	54.00	20.30	H	7.6	26.1
12339.428572	37.31	54.00	16.69	H	12.8	24.51
14990.571429	39.06	54.00	14.94	V	14.5	24.56
16704.000000	42.66	54.00	11.34	V	19.0	23.66
17685.857143	43.27	54.00	10.73	V	20.6	22.67

A.2 Conducted Emission (§15.107(a))

Reference

FCC: Part 15.107(a)

IC: ICES-003 section 6.1.

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

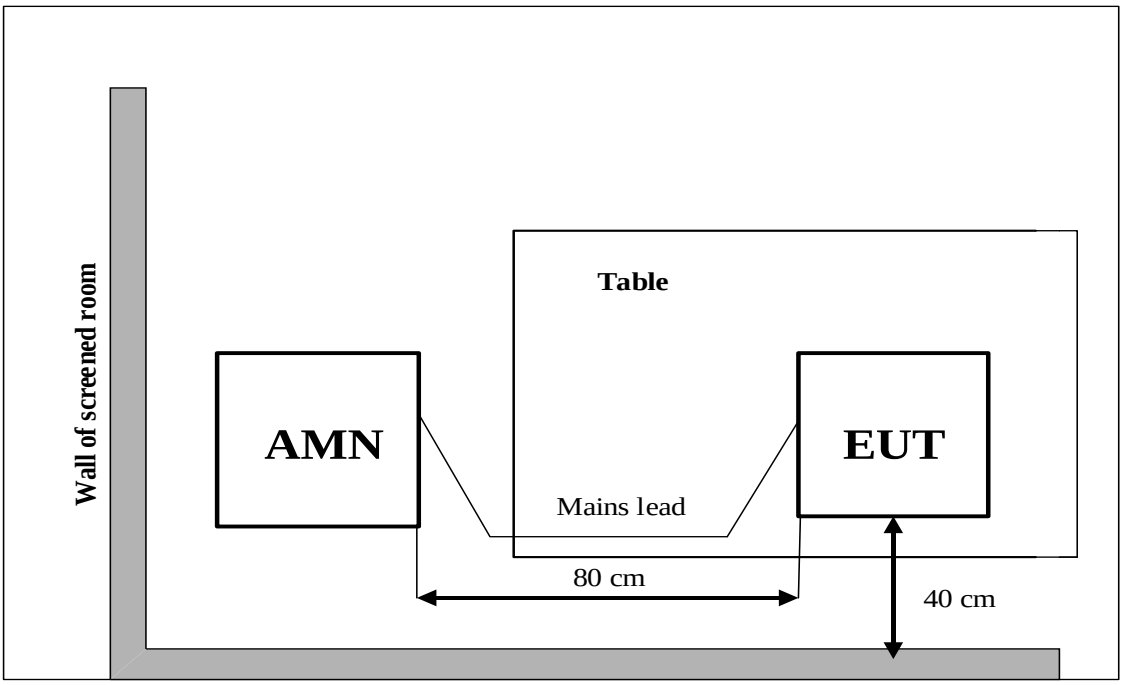
A.2.2 EUT Operating Mode:

Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

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 set-up:



A.2.5 Test Condition in charging mode

Voltage（V）	Frequency（Hz）
120	60
240	60

RBW	Sweep Time(s)
9kHz	1

A.2.6 Measurement Results

QuasiPeak(dBμV) /Average(dBμV) =PMea+Corr

Where

Corr: PathLoss + Voltage Division Factor

PMea: Measurement result on receiver.

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT01aa/Set.1	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.1.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT01aa/Set.1	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.2.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT07aa/Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.3.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT07aa/Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.4.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

AC Input Port/ Voltage: 120V/60Hz

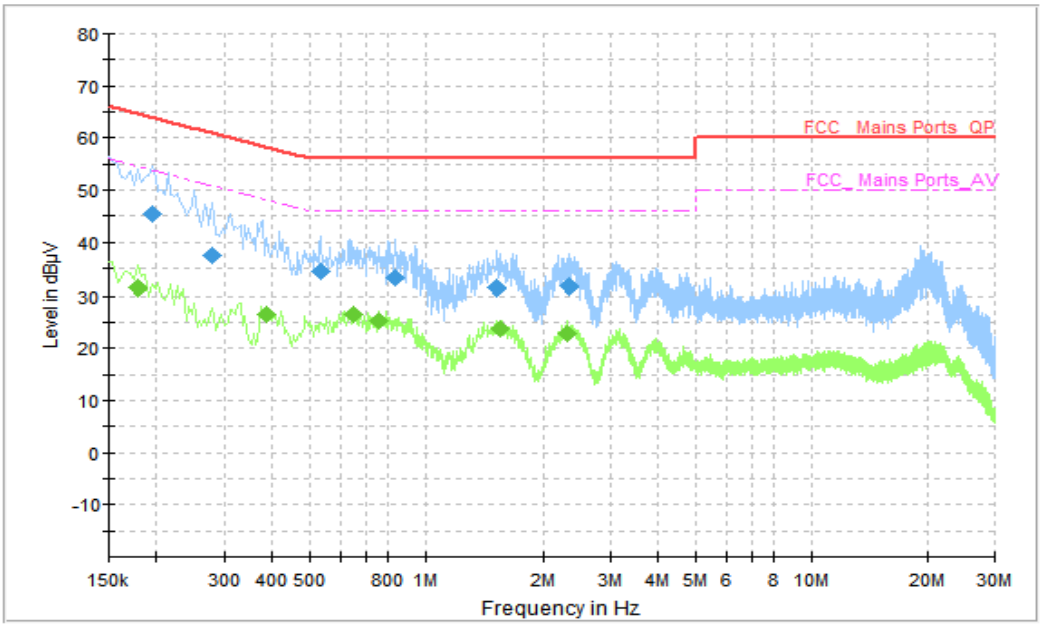


Figure A.2.1. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.194000	45.47	63.86	18.39	N	9	36.47
0.278000	37.64	60.88	23.24	N	10	27.64
0.534000	34.33	56.00	21.67	N	10	24.33
0.830000	33.22	56.00	22.78	N	10	23.22
1.518000	31.49	56.00	24.51	N	10	21.49
2.334000	31.68	56.00	24.32	N	10	21.68

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.178000	31.27	54.58	23.31	L1	10	21.27
0.386000	26.63	48.15	21.52	N	10	16.63
0.650000	26.46	46.00	19.54	N	10	16.46
0.758000	25.40	46.00	20.60	N	10	15.40
1.554000	23.58	46.00	22.42	N	10	13.58
2.302000	22.69	46.00	23.31	N	10	12.69

AC Input Port/ Voltage: 240V/60Hz

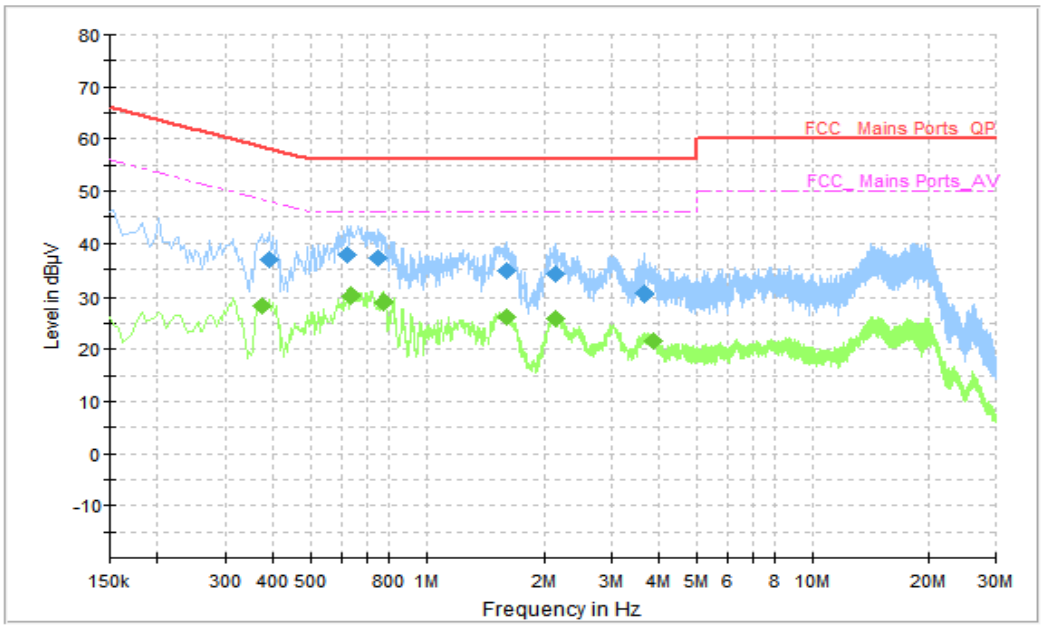


Figure A.2.2. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.390000	37.01	58.06	21.05	N	10	27.01
0.622000	37.68	56.00	18.32	N	10	27.68
0.750000	37.14	56.00	18.86	N	10	27.14
1.598000	34.70	56.00	21.30	N	10	24.70
2.150000	34.27	56.00	21.73	N	10	24.27
3.654000	30.40	56.00	25.60	N	10	20.40

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.374000	28.26	48.41	20.15	N	10	18.26
0.638000	30.19	46.00	15.81	N	10	20.19
0.774000	29.05	46.00	16.95	N	10	19.05
1.598000	26.27	46.00	19.73	N	10	16.27
2.138000	25.72	46.00	20.28	N	10	15.72
3.838000	21.54	46.00	24.46	N	10	11.54

AC Input Port/ Voltage: 120V/60Hz

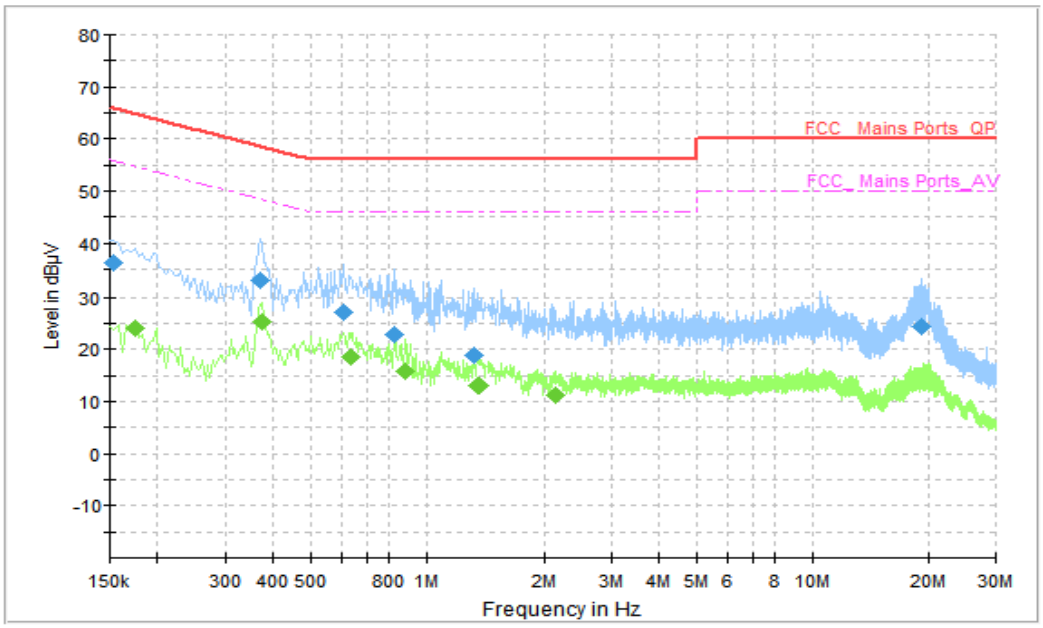


Figure A.2.3. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.154000	36.25	65.78	29.53	L1	10	26.25
0.370000	32.98	58.50	25.52	N	10	22.98
0.606000	27.23	56.00	28.77	N	10	17.23
0.822000	22.95	56.00	33.05	N	10	12.95
1.326000	18.91	56.00	37.09	N	10	8.91
19.134000	24.26	60.00	35.74	N	10	14.26

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.174000	23.95	54.77	30.82	N	8	15.95
0.374000	25.41	48.41	23.00	N	10	15.41
0.638000	18.67	46.00	27.33	N	10	8.67
0.882000	15.64	46.00	30.36	N	10	5.64
1.362000	13.10	46.00	32.90	N	10	3.1
2.150000	11.27	46.00	34.73	N	10	1.27

AC Input Port/ Voltage: 240V/60Hz

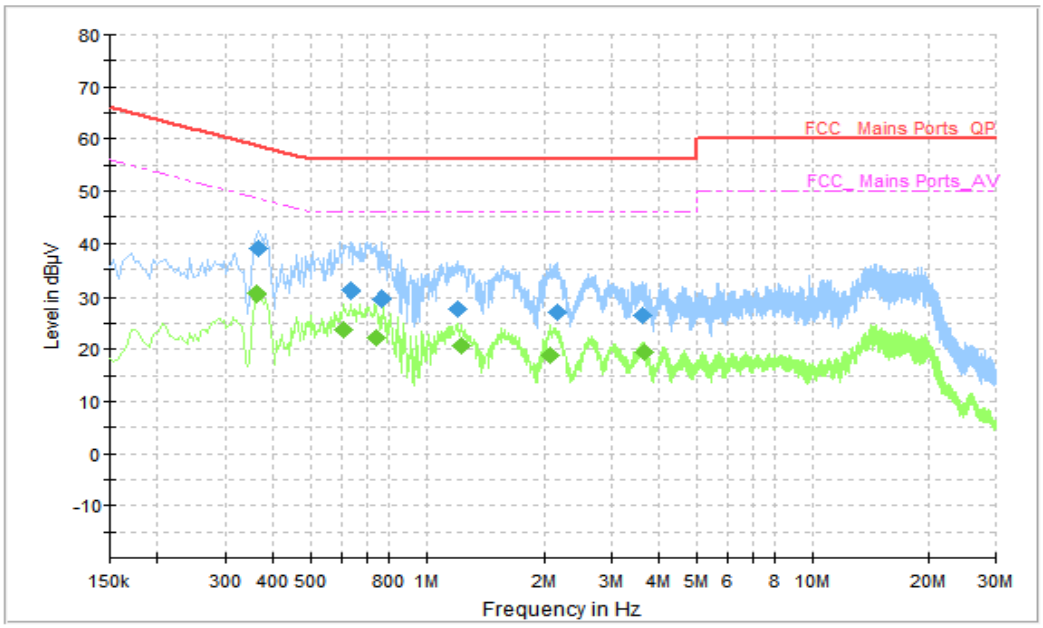


Figure A.2.4. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.366000	38.99	58.59	19.60	N	10	28.99
0.634000	31.05	56.00	24.95	N	10	21.05
0.766000	29.69	56.00	26.31	N	10	19.69
1.202000	27.61	56.00	28.39	N	10	17.61
2.162000	27.06	56.00	28.94	N	10	17.06
3.618000	26.58	56.00	29.42	N	10	16.58

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.362000	30.41	48.68	18.27	N	10	20.41
0.606000	23.76	46.00	22.24	N	10	13.76
0.742000	22.24	46.00	23.76	N	10	12.24
1.226000	20.75	46.00	25.25	N	10	10.75
2.078000	18.95	46.00	27.05	N	10	8.95
3.638000	19.57	46.00	26.43	N	10	9.57

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