



TEST REPORT

No.I21N00294-EMC

for

TCL Communication Ltd.

Tablet

Model Name: 9317G

With

Hardware Version:PIO

Software Version:EN1

FCC ID:2ACCJB150

Issued Date: 2021-02-24

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.

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21N00294-EMC	Rev.0	1st edition	2021-02-24

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

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1. Summary of Test Report

1.1. Test Items

Description	Tablet
Model Name	9317G
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

FCC Part 15, Subpart B 10-1-2019 Edition; ANSI C63.4 2014

1.3. Test Result

Pass

Total test 2 items, pass 2 items. Please refer to "6.2 Summary of Measurement Results"

1.4. Testing Location

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

1.5. Project data

Testing Start Date: 2021-02-08

Testing End Date: 2021-02-20

1.6. Signature

Ma Shoujian
(Prepared this test report)

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(Reviewed this test report)

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(Approved this test report)



2. ClientInformation

2.1. Applicant Information

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2.2. Manufacturer Information

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Park, Shatin, NT, Hong Kong
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Fax 0086-755-36612000-81722



3. Equipment UnderTest (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Tablet
Model Name	9317G
FCC ID	2ACCJB150
Antenna Type	Internal Antenna
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	Receive Date
UT09aa	DC9BD64608EF123	PIO	EN1	2021-02-07
UT10aa	DC9BD64608B5128	PIO	EN1	2021-02-07
UT05aa	DC9BD64608B5129	PIO	EN1	2021-02-07
UT01aa	DC9BD64608B5128	PIO	EN1	2021-02-07

*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

AE1-1

Model	TLp025F7
SN	CAC2580038C7
Manufacturer	Veken
Capacity	2580mAh
Nominal Voltage	3.8V

AE1-2

Model	TLp025FA
SN	CAC2580046CA
Manufacturer	Tianmao
Capacity	2580mAh
Nominal Voltage	3.8V

AE2-1

Model	UC11EU/ CBA0058AAAC7
Manufacturer	CHENYANG



AE2-2
Model UC11US/CBA0058AGAC7
Manufacturer CHENYANG

AE2-3
Model UC11UK/CBA0058ABAC7
Manufacturer CHENYANG

AE2-4
Model UC11EU/ CBA0058AAAC5
Manufacturer PUAN

AE2-5
Model UC11US/CBA0058AGAC5
Manufacturer PUAN

AE2-6
Model UC11UK/CBA0058ABAC5
Manufacturer PUAN

AE3-1
Model CDA3122005C1
Manufacturer JUWEI

AE3-2
Model CDA3122005C8
Manufacturer PUAN

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

*AE Label: To distinguish the type and number of AE

AE: ancillary equipment

AE2:The circuit boards of model UC11EU/ CBA0058AAAC7 (AE2-1) and UC11UK/CBA0058ABAC7 (AE2-3) are the same. The circuit boards of model UC11EU/ CBA0058AAAC5 (AE2-4) and UC11UK/CBA0058ABAC5 (AE2-6) are the same.



3.4. EUT set-ups

EUT set-up No.

Set.1
Set.2
Set.3
Set.4
Set.5
Set.6

Combination of EUT and AE

EUT+AE1-1+AE2-1+AE3-1
EUT+AE1-2+AE2-2+AE3-2
EUT+AE1-1+AE3-1+PC
EUT+AE1-2+AE3-2+PC
EUT+AE1-2+AE2-4+AE3-1
EUT+AE1-2+AE2-5+AE3-2



3.5. General Description

The Equipment Under Test (EUT) is a model of Tablet with internal antenna.

It has Camera, Video Player,USB Data Transfer, Bluetooth, and Wi-Fi functions.

It consists of normal options: Battery, Charger and and USB Cable.

Samples (EUT+AE) undergoing test were selected by the Client. Relevant information is provided by the Client.

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	10-1-2019 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:

9.10m×6.10m×5.60m (L×W×H)

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

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

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. =20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-10000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω

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

9.10m×6.10m×5.60m (L×W×H)

Temperature	Min. = 15 °C, Max. = 35°C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω
Voltage Standing Wave Ratio (VSWR)	≤ 6 dB, from 1 to 18GHz, 3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

6. SUMMARY OF TEST RESULTS

6.1. Testing Environment

Normal Temperature: 15~35°C
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 rules	Section in this report	Verdict
1	Radiated Emission	15.109(a)	A.1	P
2	Conducted Emission	15.107(a)	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	4.84dB(k=2)
	1GHz-18GHz	4.68dB(k=2)
Conducted Emission	150kHz-30MHz	3.00dB(k=2)

8. Test Facilities Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CALDUE DATE	CAL PERIOD
1.	Test Receiver	ESR7	101676	R&S	2021.12.25	1 year
2.	Test Receiver	ESCI	100701	R&S	2021.08.09	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2022.01.13	1 year
4.	BiLog Antenna	3142E	00224831	ETS-Lindgren	2021.05.17	3 years
5.	LISN	ENV216	102067	R&S	2021.07.16	1 year
6.	Horn Antenna	3117	00066577	ETS-Lindgren	2022.04.02	3 years
7.	Universal Radio Communication Tester	CMW500	152499	R&S	2021.07.16	1 year
8.	Chamber	FACT3-2.0	1285	ETS-Lindgren	2021.07.19	2 years
9.	Software	EMC32	V10.01.00	R&S	/	/

9. Test Accessory Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CALDUE DATE	CAL PERIOD
1.	PC	ThinkPad T480	PF-13LW0C	Lenovo	/	/
2.	Printer	V1.0008	VNF6C12491	HP	/	/
3.	Mouse	MOEUJUA	44NY517	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 (Data transfer mode of EUT and charging mode of EUT) 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:

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.

Data Transfer : The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C. The EUT is connected to a PC for transmitting data. The software is used to let the PC keep on copying data to MS or TF Card, reading and erasing the data after copy action was finished.

Meanwhile, the EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

This device does not contains the receivers which tune and operate between 30MHz-960MHz.

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

Limit from CFR Part 15.109(a)

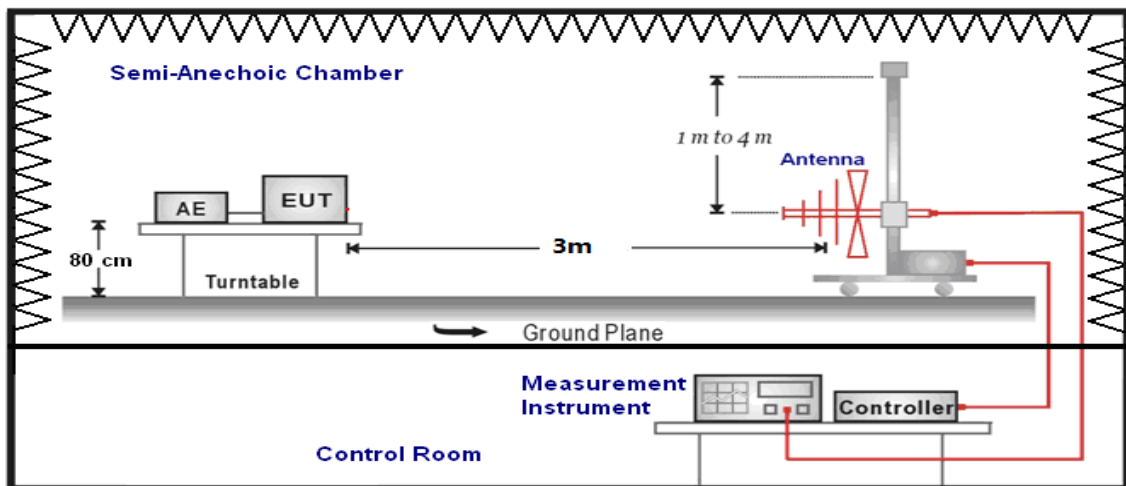
Frequency range (MHz)	Field strength limit ($\mu\text{V}/\text{m}$)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

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

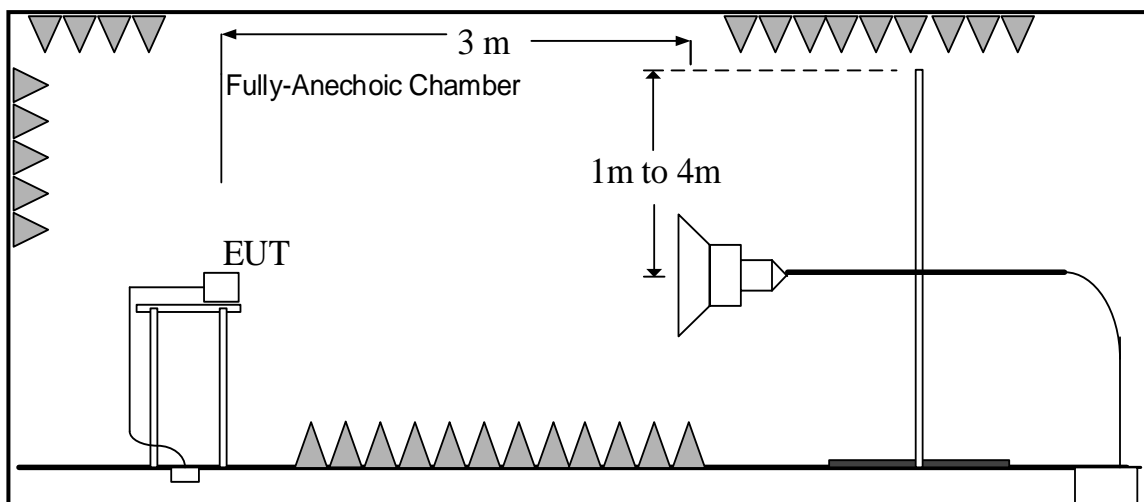
A.1.4 Test Condition

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

**A.1.5 Test set-up:
30MHz-1GHz**



1GHz-18GHz



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:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

Result: Quasi-Peak (dB μ V/m) / Average (dB μ V/m) / Peak (dB μ V/m)

Note: the result contains vertical part and Horizontal part

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT05aa/Set.1	
30-88	40.00	See Fugure A.1.1.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT05aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.2.	P

Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT05aa/Set.1	
30-88	40.00	See Fugure A.1.3.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT05aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.4.	P

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.2	
30-88	40.00	See Fugure A.1.5.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT09aa/Set.2	
1000 to 18000	54	74	See Fugure A.1.6.	P

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.5	
30-88	40.00	See Fugure A.1.7.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT09aa/Set.5	
1000 to 18000	54	74	See Fugure A.1.8.	P

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.6	
30-88	40.00	See Fugure A.1.9.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT09aa/Set.6	
1000 to 18000	54	74	See Fugure A.1.10.	P

Data Transfer : EUT to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT05aa/Set.3	
30-88	40.00	See Fugure A.1.11.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT05aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.12.	P

Data Transfer : PC to EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT05aa/Set.3	
30-88	40.00	See Fugure A.1.13.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT05aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.14.	P

Data Transfer : PC to TF Card

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT05aa/Set.3	
30-88	40.00	See Fugure A.1.15.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT10aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.16.	P

Data Transfer : TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT05aa/Set.3	
30-88	40.00	See Fugure A.1.17.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT10aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.18.	P



Data Transfer : PC to EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.4	
30-88	40.00	See Fugure A.1.19.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT09aa/Set.4	
1000 to 18000	54	74	See Fugure A.1.20.	P

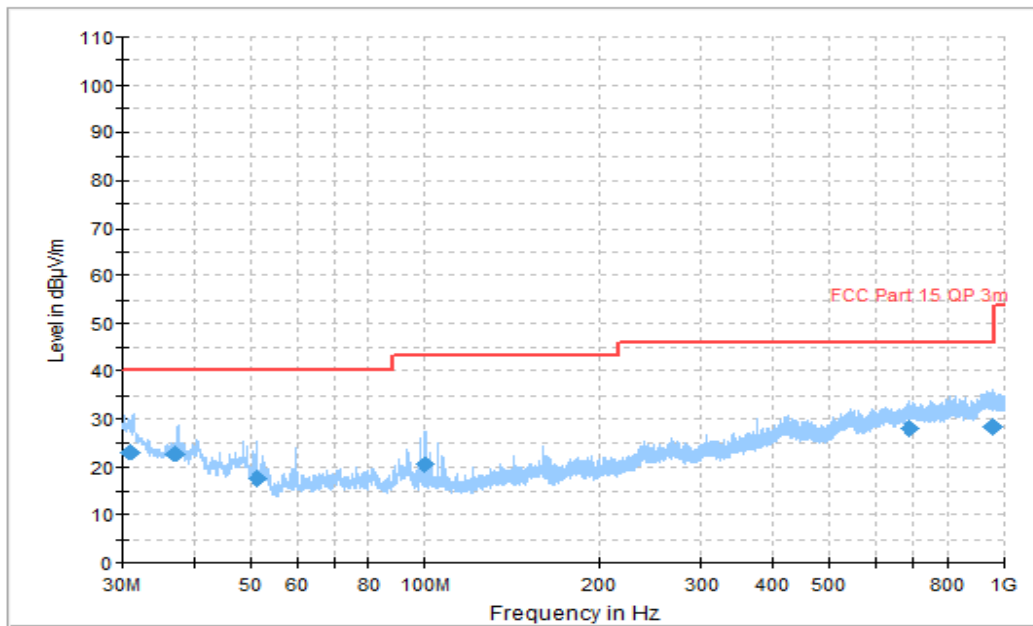


Figure A.1.1. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.957222	23.11	40.00	16.89	V	-6.5	29.61
37.016667	22.81	40.00	17.19	V	-10.4	33.21
51.460000	17.65	40.00	22.35	V	-15.3	32.95
99.995000	20.69	43.50	22.81	V	-13.9	34.59
689.176111	28.12	46.00	17.88	H	0.9	27.22
954.392778	28.28	46.00	17.72	H	2.7	25.58

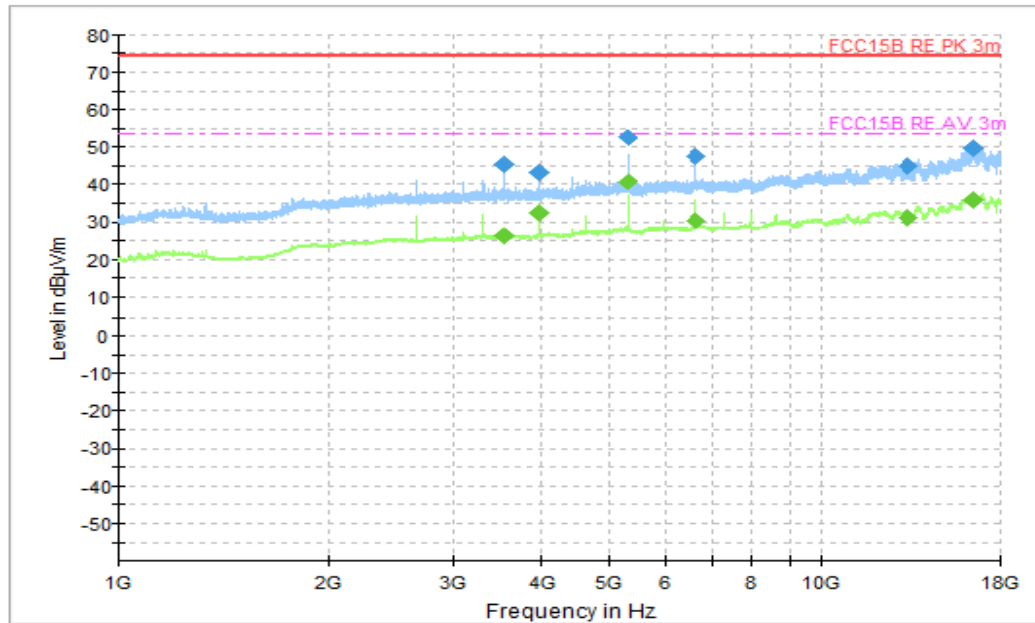


Figure A.1.2. Radiated Emission (Video Player , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
3535.500000	45.40	74.00	28.60	V	-2.6	48.00
3977.500000	43.63	74.00	30.37	H	-1.8	45.43
5304.000000	52.62	74.00	21.38	V	1.6	51.02
6629.500000	47.64	74.00	26.36	V	3.3	44.34
13331.500000	45.02	74.00	28.98	V	8.4	36.62
16550.500000	49.81	74.00	24.19	H	14.8	35.01

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
3535.000000	26.58	54.00	27.42	V	-2.6	29.18
3978.000000	32.55	54.00	21.45	H	-1.8	34.35
5304.000000	40.84	54.00	13.16	V	1.6	39.24
6630.000000	30.64	54.00	23.36	V	3.3	27.34
13288.500000	31.58	54.00	22.42	V	8.3	23.28
16481.500000	36.16	54.00	17.84	H	14.7	21.46

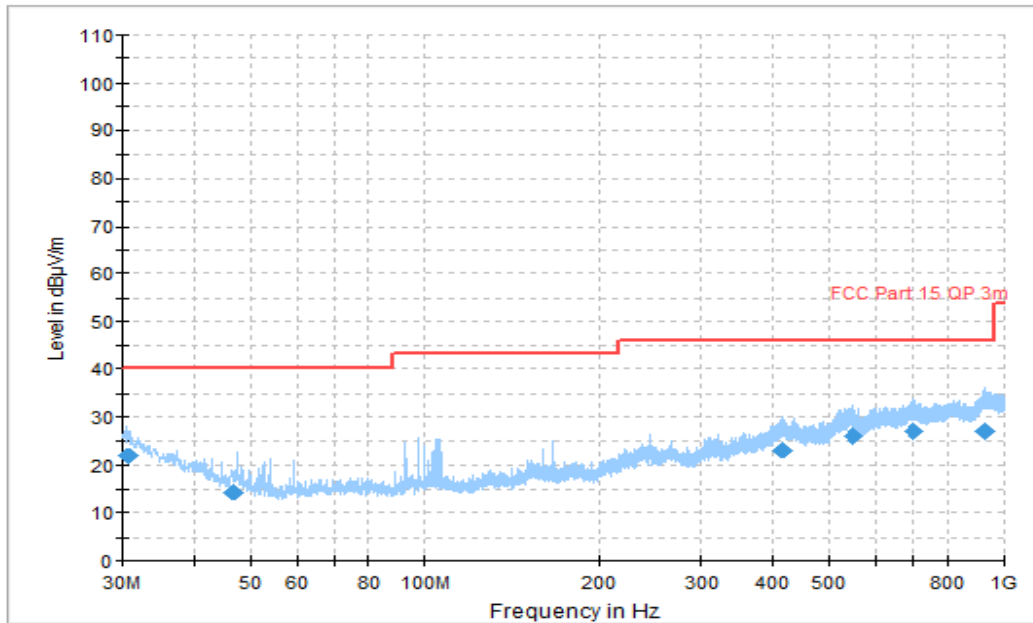
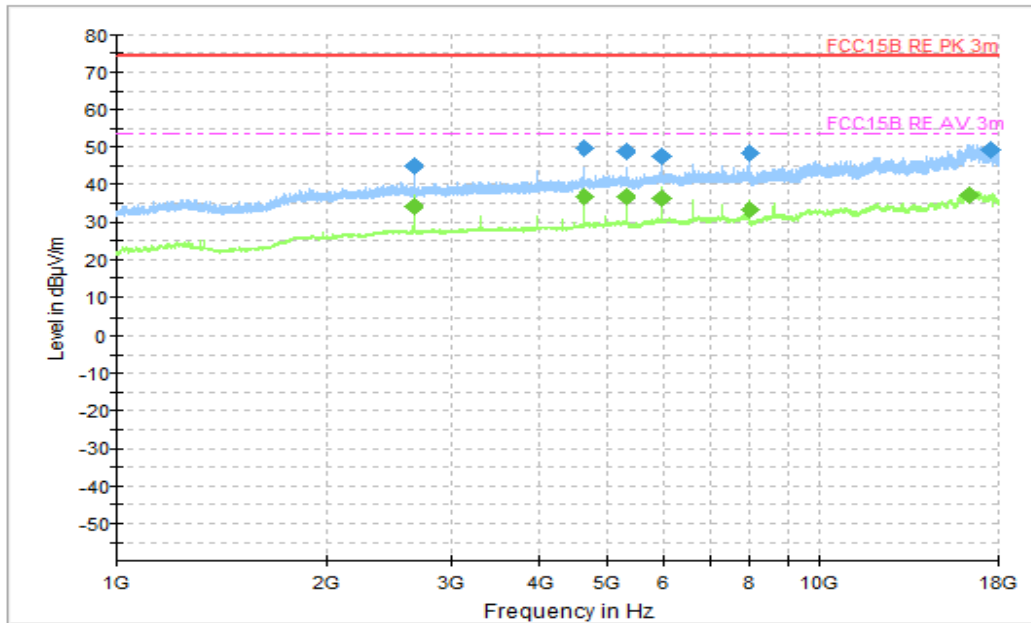


Figure A.1.3. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.690000	21.84	40.00	18.17	V	-6.5	28.34
46.644444	14.47	40.00	25.53	V	-14.7	29.17
414.988333	23.10	46.00	22.90	V	-3.6	26.70
551.124444	25.97	46.00	20.03	V	-0.6	26.57
697.995000	27.10	46.00	18.90	H	1.1	26
929.878333	27.22	46.00	18.78	H	2.7	24.52


Figure A.1.4. Radiated Emission (Camera,1GHz to 18GHz)
Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2651.500000	45.27	74.00	28.73	V	-4.1	49.37
4641.000000	49.73	74.00	24.27	V	-0.1	49.83
5304.000000	48.74	74.00	25.26	V	1.6	47.14
5966.500000	47.47	74.00	26.53	V	2.7	44.77
7956.000000	48.50	74.00	25.50	V	4.4	44.1
17587.500000	49.46	74.00	24.54	H	14.0	35.46

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	34.21	54.00	19.79	V	-4.1	38.31
4641.000000	36.98	54.00	17.02	V	-0.1	37.08
5304.000000	36.61	54.00	17.39	V	1.6	35.01
5967.000000	36.29	54.00	17.71	V	2.7	33.59
7956.000000	33.56	54.00	20.44	V	4.4	29.16
16396.500000	37.24	54.00	16.76	V	14.6	22.64

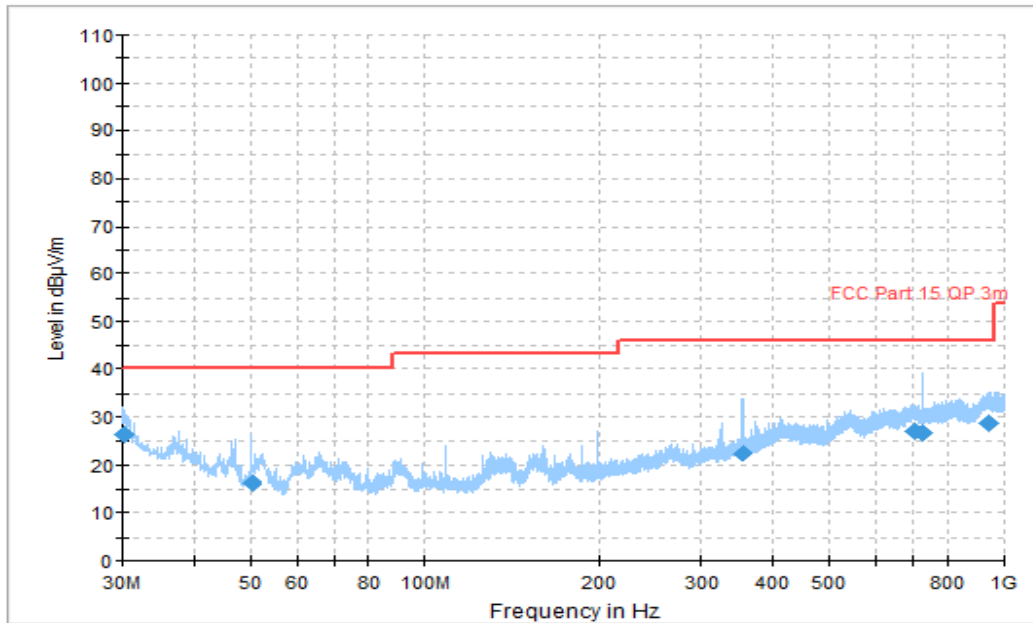


Figure A.1.5. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.210000	26.57	40.00	13.43	V	-6.3	32.87
50.431111	16.30	40.00	23.70	V	-15.1	31.4
352.843333	22.60	46.00	23.40	V	-5.9	28.50
701.496667	27.20	46.00	18.80	V	1.1	26.10
726.842222	26.87	46.00	19.13	V	0.3	26.57
944.218333	28.72	46.00	17.28	H	3.0	25.72

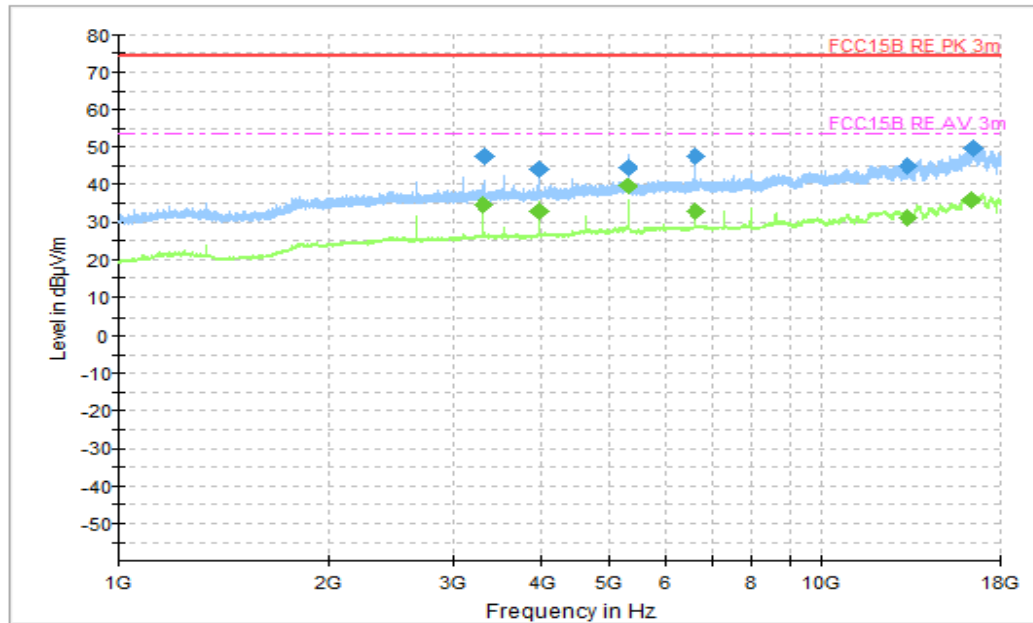


Figure A.1.6. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
3321.500000	47.64	74.00	26.36	V	-2.9	50.54
3977.500000	44.30	74.00	29.70	H	-1.8	46.1
5304.500000	44.60	74.00	29.40	V	1.6	43.00
6630.500000	47.70	74.00	26.30	V	3.3	44.40
13279.500000	45.18	74.00	28.82	V	8.3	36.88
16469.000000	49.53	74.00	24.47	H	14.7	34.83

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
3315.000000	34.61	54.00	19.39	V	-2.9	37.51
3978.000000	33.15	54.00	20.85	H	-1.8	34.95
5304.000000	39.69	54.00	14.31	V	1.6	38.09
6630.000000	33.06	54.00	20.94	V	3.3	29.76
13279.000000	31.60	54.00	22.40	V	8.3	23.3
16449.500000	36.08	54.00	17.92	V	14.7	21.38

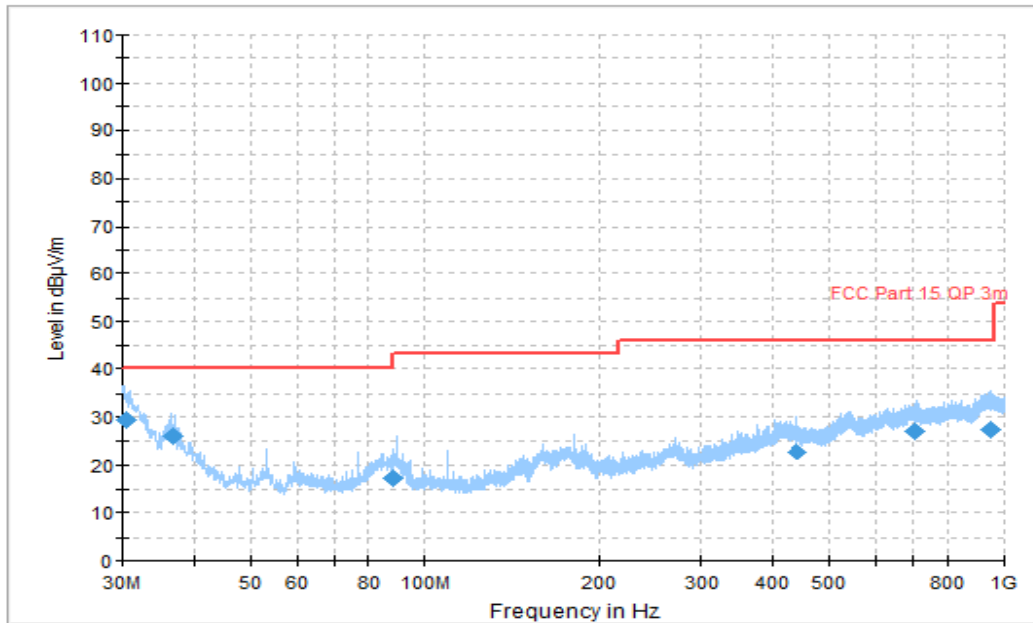


Figure A.1.7. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.450000	29.44	40.00	10.56	V	-6.4	35.84
36.616667	26.17	40.00	13.83	V	-10.1	36.27
88.176667	17.38	43.50	26.12	V	-15.4	32.78
438.000000	22.90	46.00	23.10	V	-4.3	27.20
702.121111	27.08	46.00	18.92	H	1.2	25.88
949.956111	27.29	46.00	18.71	V	2.7	24.59

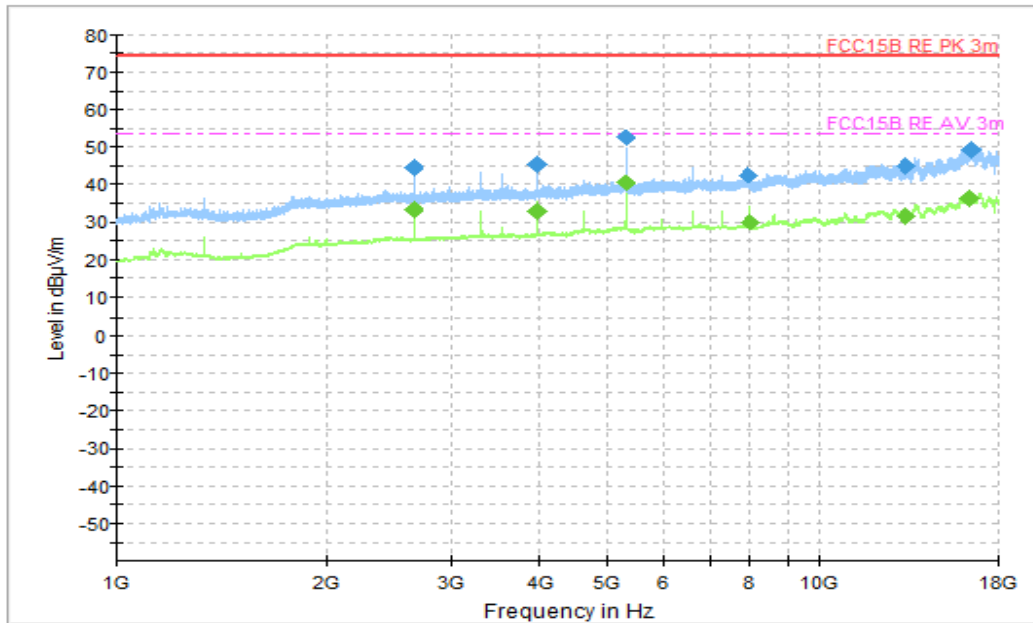


Figure A.1.8. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	44.56	74.00	29.44	V	-4.1	48.66
3977.500000	45.41	74.00	28.59	H	-1.8	47.21
5303.500000	52.41	74.00	21.59	V	1.6	50.81
7948.500000	42.65	74.00	31.35	V	4.3	38.35
13289.500000	45.05	74.00	28.96	V	8.3	36.75
16473.500000	49.33	74.00	24.67	H	14.7	34.63

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	33.28	54.00	20.72	V	-4.1	37.38
3978.000000	33.04	54.00	20.96	H	-1.8	34.84
5304.000000	40.52	54.00	13.48	V	1.6	38.92
7956.000000	30.35	54.00	23.65	V	4.4	25.95
13300.500000	31.73	54.00	22.27	V	8.4	23.33
16451.000000	36.19	54.00	17.81	H	14.7	21.49

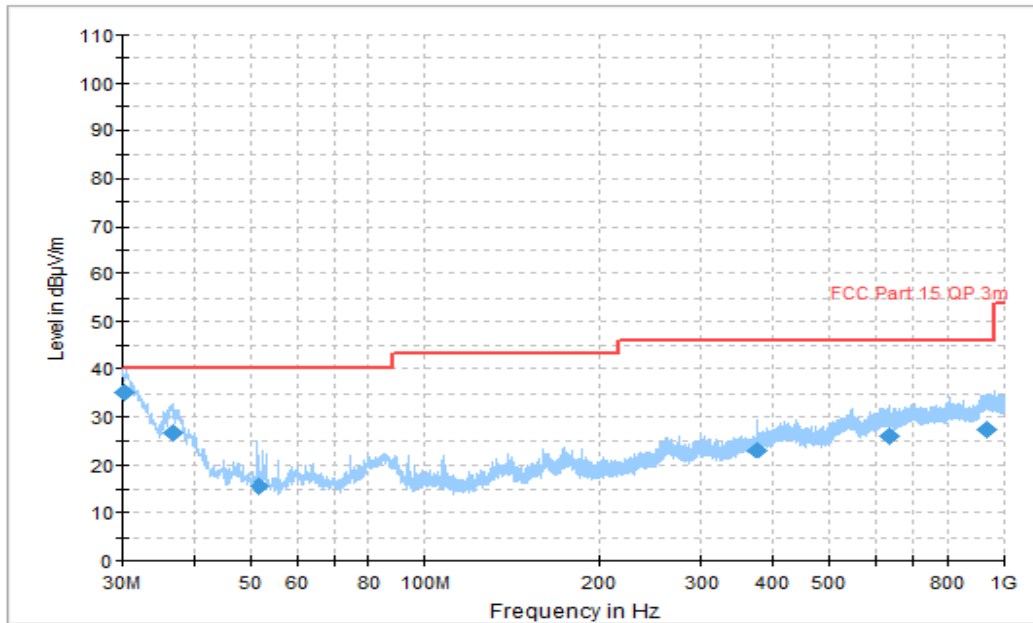


Figure A.1.9. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.270000	35.11	40.00	4.89	V	-6.3	41.41
36.772222	26.82	40.00	13.18	V	-10.2	37.02
51.940000	15.58	40.00	24.42	V	-15.5	31.08
375.373889	23.04	46.00	22.96	H	-5.5	28.54
634.627778	26.02	46.00	19.98	V	0.2	25.82
935.710556	27.43	46.00	18.57	H	2.8	24.63

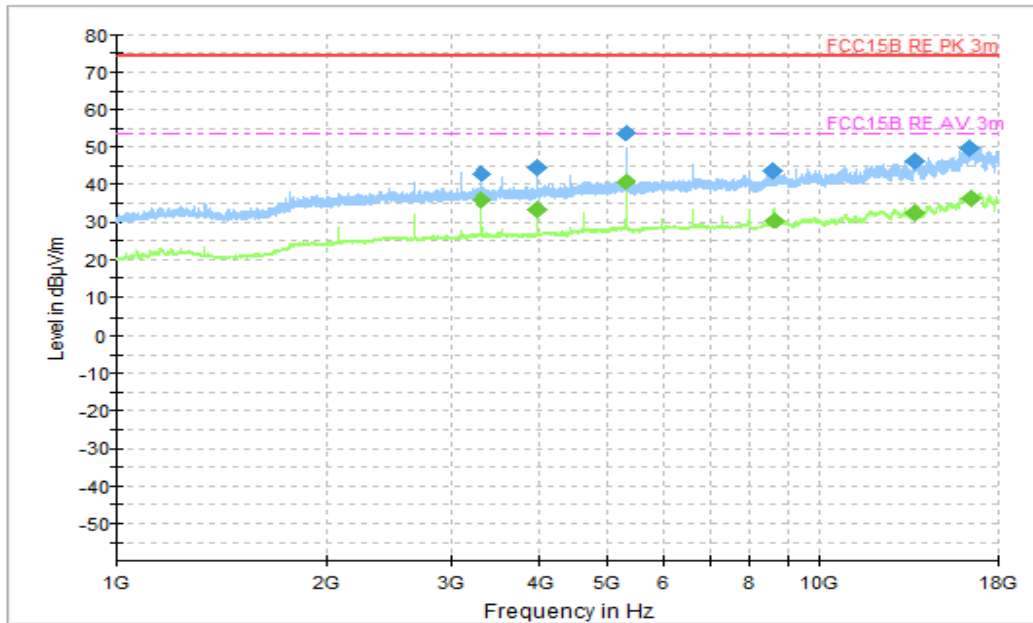


Figure A.1.10. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
3311.000000	43.16	74.00	30.84	V	-2.9	46.06
3978.000000	44.75	74.00	29.25	V	-1.8	46.55
5304.000000	53.77	74.00	20.23	V	1.6	52.17
8618.500000	44.05	74.00	29.95	V	5.4	38.65
13760.000000	46.38	74.00	27.62	H	9.0	37.38
16441.500000	49.56	74.00	24.44	V	14.7	34.86

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
3315.000000	36.04	54.00	17.96	V	-2.9	38.94
3978.000000	33.65	54.00	20.35	V	-1.8	35.45
5304.000000	40.86	54.00	13.14	V	1.6	39.26
8619.000000	30.56	54.00	23.44	V	5.4	25.16
13755.000000	32.70	54.00	21.30	H	8.9	23.8
16476.500000	36.25	54.00	17.75	H	14.7	21.55

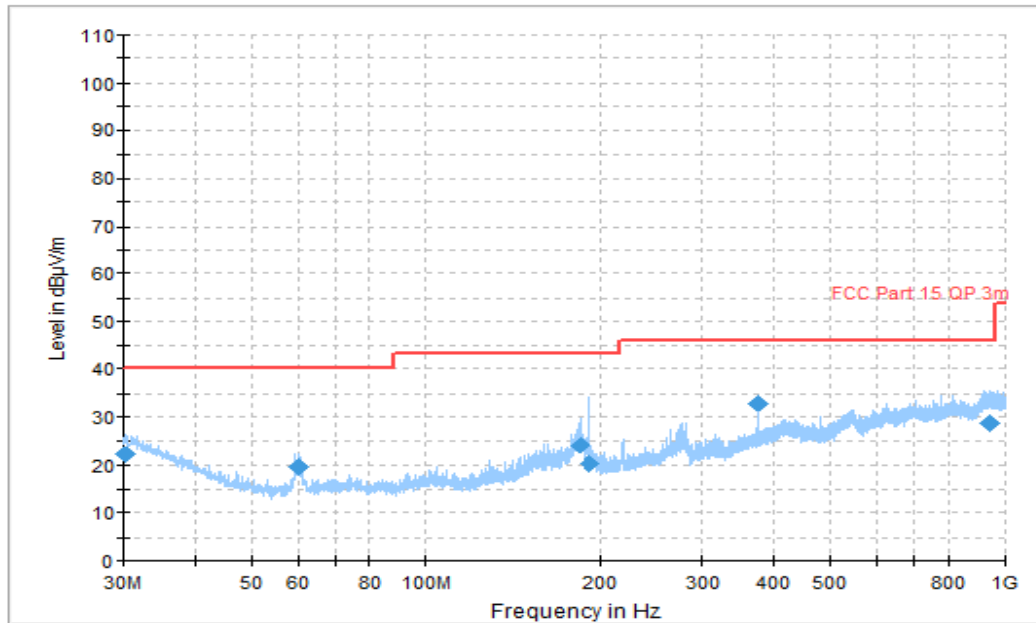


Figure A.1.11. Radiated Emission (Data Transfer : EUT to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.270000	22.25	40.00	17.75	V	-6.3	28.55
59.937778	19.71	40.00	20.29	H	-15.6	35.31
185.015000	24.23	43.50	19.27	H	-12.2	36.43
191.983889	20.18	43.50	23.32	H	-12.6	32.78
375.373889	32.90	46.00	13.10	H	-5.5	38.4
942.398889	28.58	46.00	17.42	H	2.9	25.68

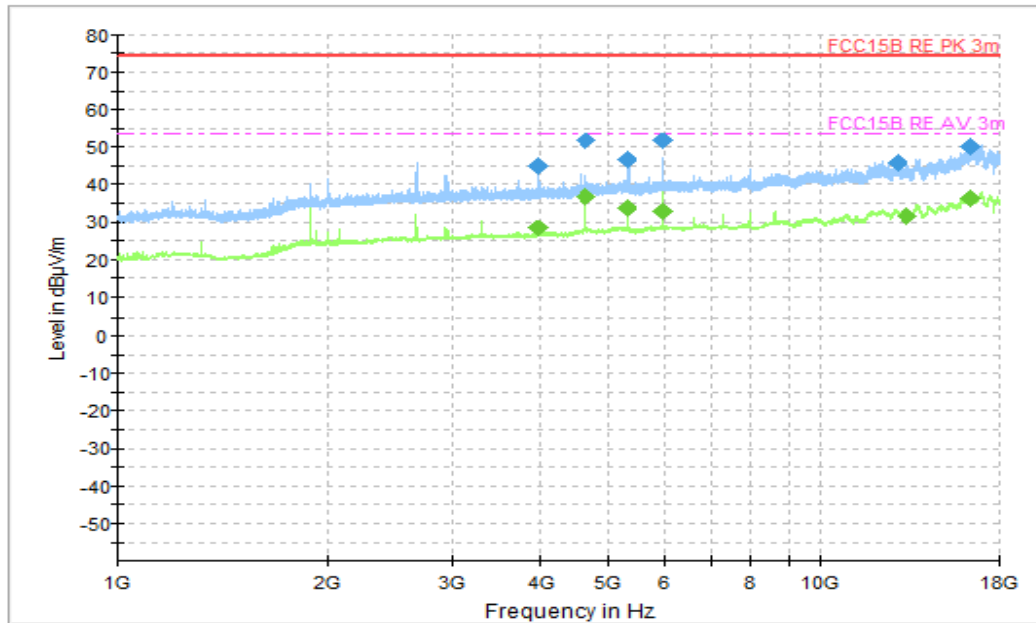


Figure A.1.12. Radiated Emission (Data Transfer : EUT to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
3978.000000	44.93	74.00	29.07	H	-1.8	46.73
4640.500000	51.73	74.00	22.27	V	-0.1	51.83
5328.500000	46.64	74.00	27.36	V	1.6	45.04
5967.500000	51.74	74.00	22.26	V	2.7	49.04
12876.500000	46.12	74.00	27.88	H	8.7	37.42
16451.500000	50.15	74.00	23.85	V	14.7	35.45

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
3978.000000	28.61	54.00	25.39	H	-1.8	30.41
4641.000000	36.63	54.00	17.37	V	-0.1	36.73
5304.000000	34.02	54.00	19.98	V	1.6	32.42
5967.000000	32.94	54.00	21.06	V	2.7	30.24
13299.500000	31.82	54.00	22.18	H	8.3	23.52
16449.000000	36.29	54.00	17.71	V	14.7	21.59

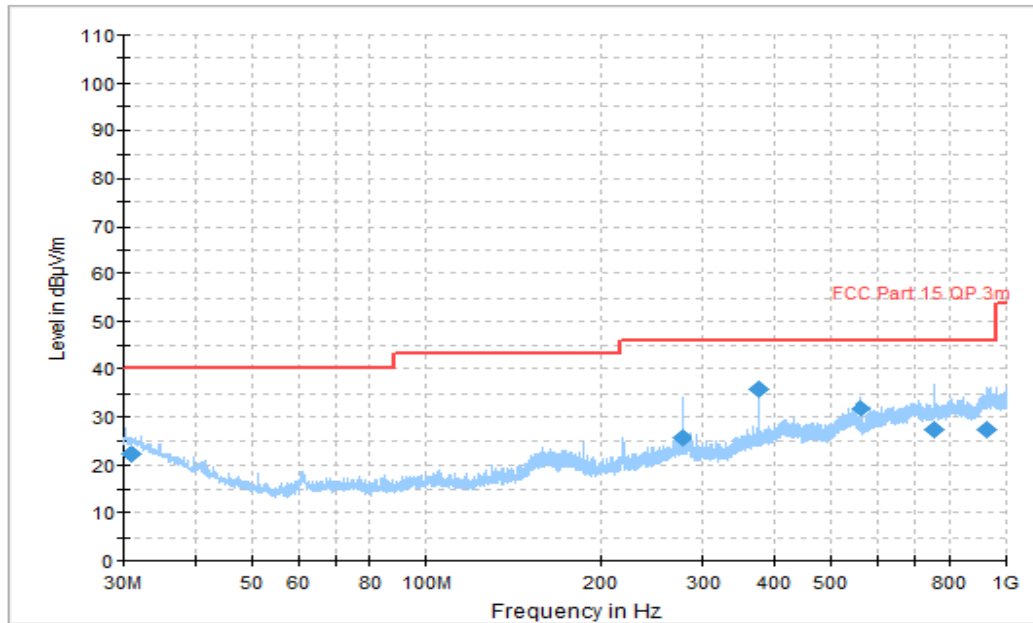


Figure A.1.13. Radiated Emission (Data Transfer : PC to EUT, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.923333	22.10	40.00	17.90	V	-6.5	28.60
275.985000	25.68	46.00	20.32	H	-9.0	34.68
375.373889	35.95	46.00	10.05	H	-5.5	41.45
563.068889	32.01	46.00	13.99	V	-1.9	33.91
754.626667	27.44	46.00	18.56	V	0.5	26.94
924.765556	27.42	46.00	18.58	V	2.6	26.94

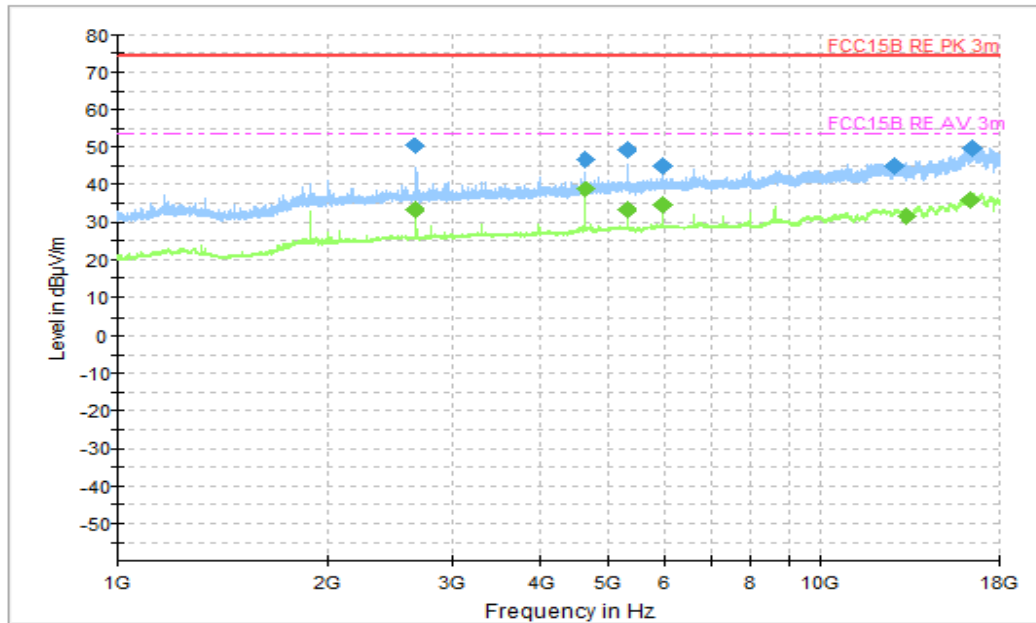


Figure A.1.14. Radiated Emission (Data Transfer : PC to EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2654.000000	50.46	74.00	23.54	V	-4.1	54.56
4640.500000	46.72	74.00	27.28	V	-0.1	46.82
5312.000000	49.32	74.00	24.68	V	1.6	47.72
5967.500000	44.96	74.00	29.04	V	2.7	42.26
12776.000000	45.28	74.00	28.72	V	8.8	36.48
16471.500000	49.66	74.00	24.34	H	14.7	34.96

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	33.54	54.00	20.46	V	-4.1	37.64
4641.000000	39.08	54.00	14.92	V	-0.1	39.18
5304.000000	33.61	54.00	20.39	V	1.6	32.01
5967.000000	34.83	54.00	19.17	V	2.7	32.13
13296.500000	31.78	54.00	22.22	H	8.3	23.48
16447.000000	36.15	54.00	17.85	H	14.7	21.45

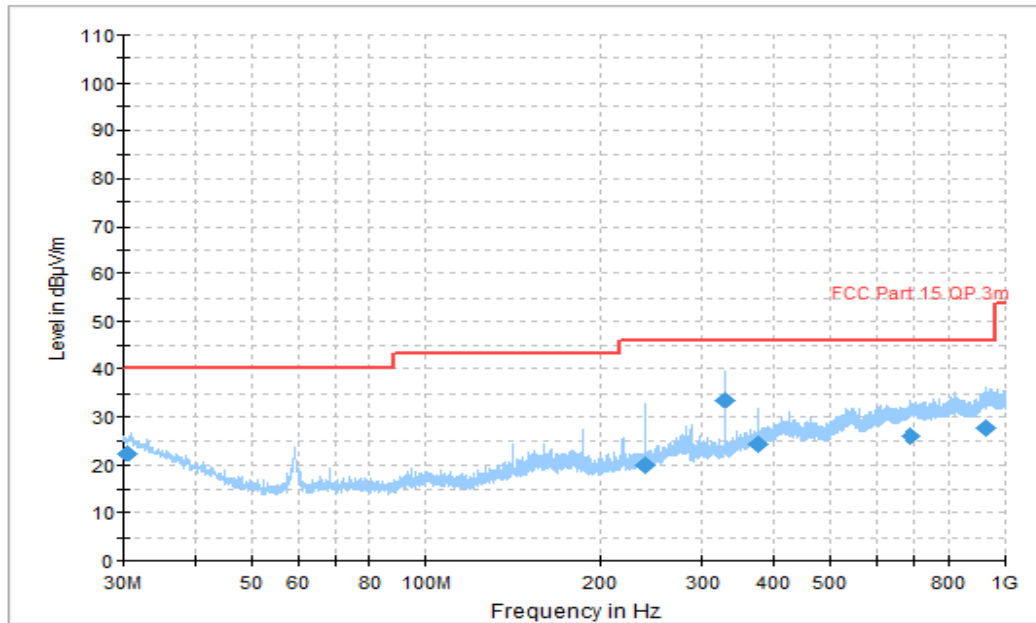


Figure A.1.15. Radiated Emission (Data Transfer : PC to TF Card, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.400000	22.42	40.00	17.58	V	-6.4	28.82
240.191111	20.02	46.00	25.98	H	-9.5	29.52
329.233333	33.63	46.00	12.37	H	-8.0	41.63
375.373889	24.52	46.00	21.48	V	-5.5	30.02
687.288889	26.25	46.00	19.75	V	0.8	25.45
929.292778	27.80	46.00	18.20	H	2.7	25.10

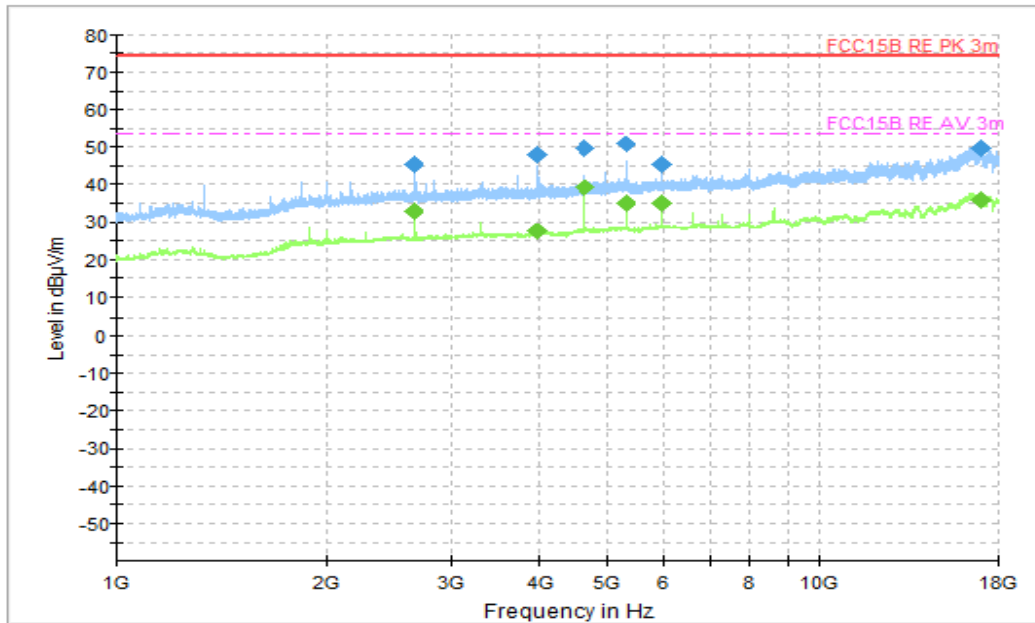


Figure A.1.16. Radiated Emission (Data Transfer : PC to TF Card, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	45.66	74.00	28.34	V	-4.1	49.76
3985.000000	48.10	74.00	25.90	V	-1.8	49.9
4640.500000	49.65	74.00	24.35	V	-0.1	49.75
5320.000000	51.01	74.00	22.99	V	1.6	49.41
5966.500000	45.32	74.00	28.68	V	2.7	42.62
16984.000000	49.87	74.00	24.13	V	14.8	35.07

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	33.00	54.00	21.00	V	-4.1	37.10
3978.000000	27.73	54.00	26.27	H	-1.8	29.53
4641.000000	39.47	54.00	14.53	V	-0.1	39.57
5304.000000	35.31	54.00	18.69	V	1.6	33.71
5967.000000	35.28	54.00	18.72	V	2.7	32.58
17005.500000	36.13	54.00	17.87	V	14.8	21.33

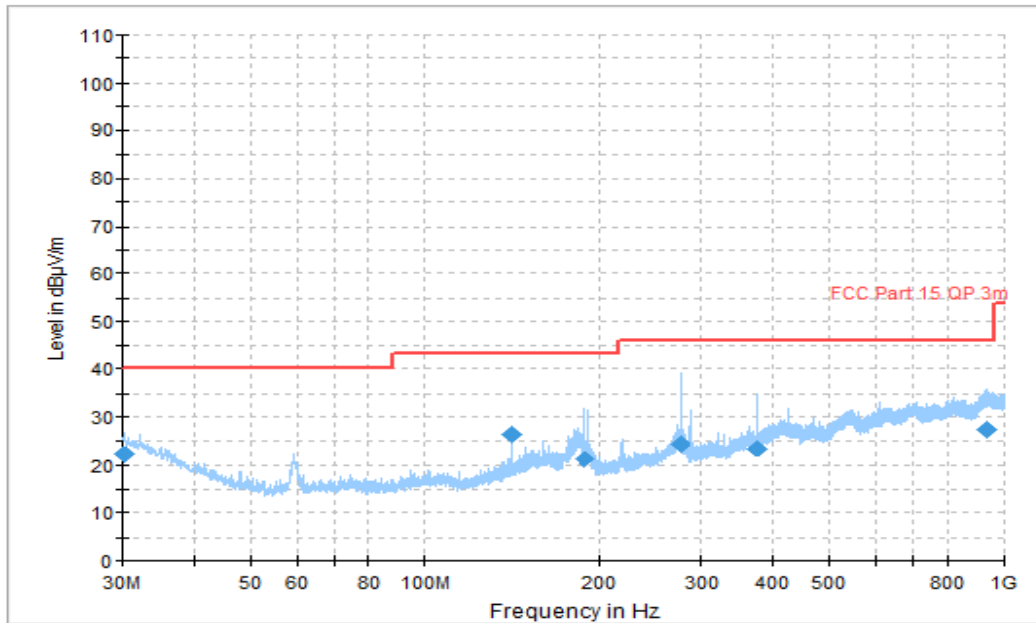


Figure A.1.17. Radiated Emission (Data Transfer : TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.240000	22.31	40.00	17.69	H	-6.3	28.61
140.771667	26.47	43.50	17.03	H	-13.6	40.07
188.565000	21.14	43.50	22.36	H	-12.4	33.54
276.008889	24.60	46.00	21.40	H	-9.0	33.60
375.373889	23.43	46.00	22.57	H	-5.5	28.93
936.585556	27.40	46.00	18.60	H	2.7	24.70

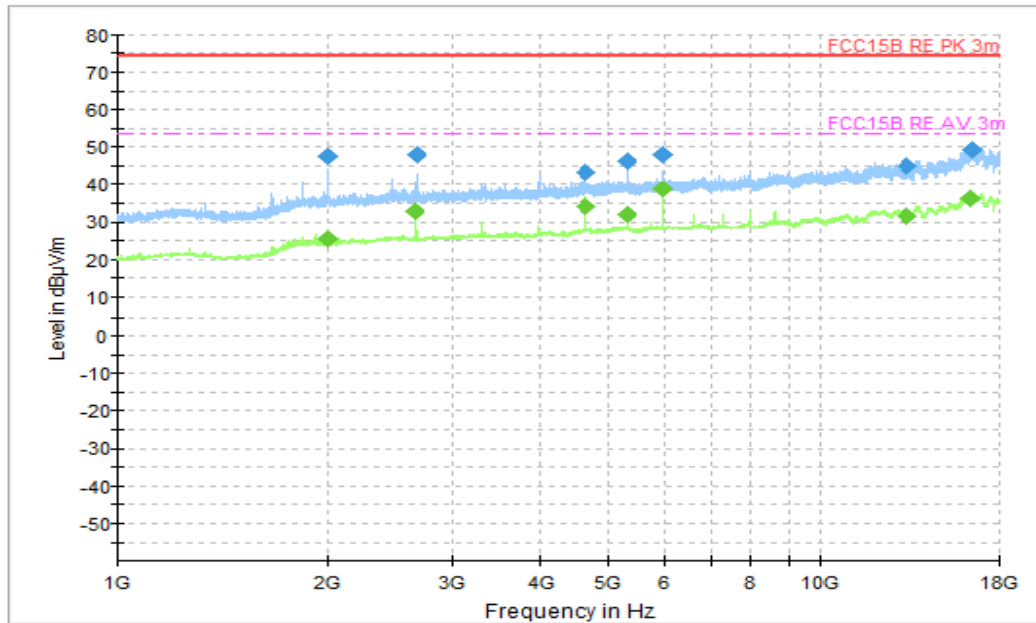


Figure A.1.18. Radiated Emission (Data Transfer : TF Card to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1997.500000	47.52	74.00	26.48	V	-5.9	53.42
2664.500000	48.04	74.00	25.96	V	-4.1	52.14
4641.000000	43.61	74.00	30.39	V	-0.1	43.71
5314.000000	46.46	74.00	27.54	V	1.6	44.86
5968.000000	48.04	74.00	25.96	V	2.7	45.34
13300.500000	45.13	74.00	28.87	V	8.4	36.73
16512.500000	49.44	74.00	24.56	H	14.7	

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1991.000000	25.75	54.00	28.25	V	-5.9	31.65
2652.000000	32.96	54.00	21.04	H	-4.1	37.06
4641.000000	34.14	54.00	19.86	V	-0.1	34.24
5304.000000	32.09	54.00	21.91	V	1.6	30.49
5967.000000	38.81	54.00	15.19	V	2.7	36.11
13296.000000	31.80	54.00	22.20	H	8.3	23.50
16450.000000	36.37	54.00	17.63	H	14.7	

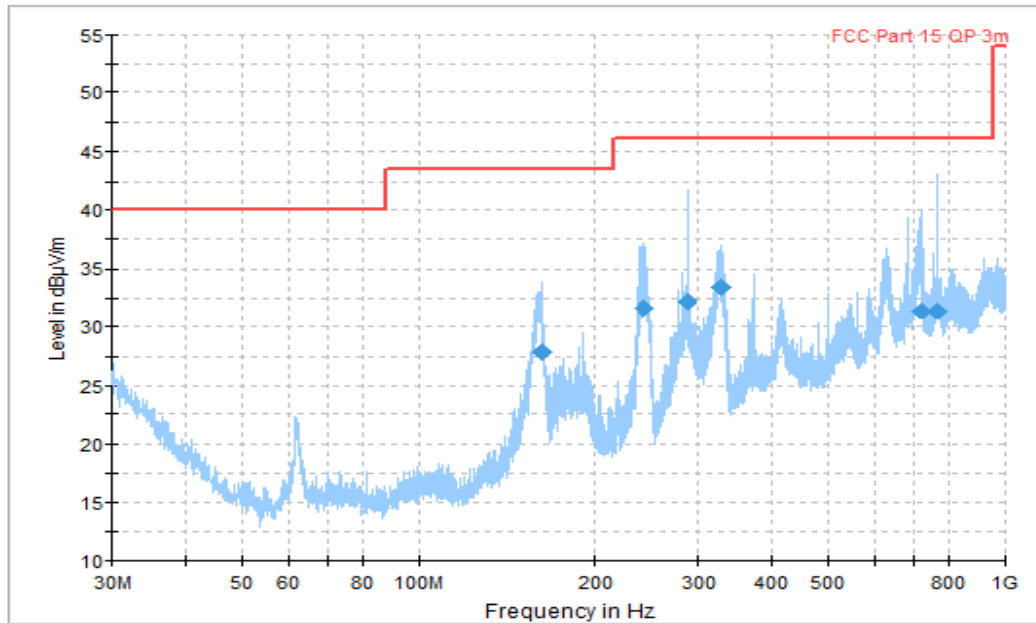


Figure A.1.19. Radiated Emission (Data Transfer : PC to EUT, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
162.362222	27.93	43.50	15.57	H	-12.9	40.83
241.602778	31.62	46.00	14.38	H	-9.5	41.12
288.007778	32.22	46.00	13.78	H	-9.2	41.42
327.580556	33.42	46.00	12.58	H	-8.0	41.42
720.454444	31.43	46.00	14.57	H	0.4	31.03
768.008333	31.33	46.00	14.67	H	0.7	30.63

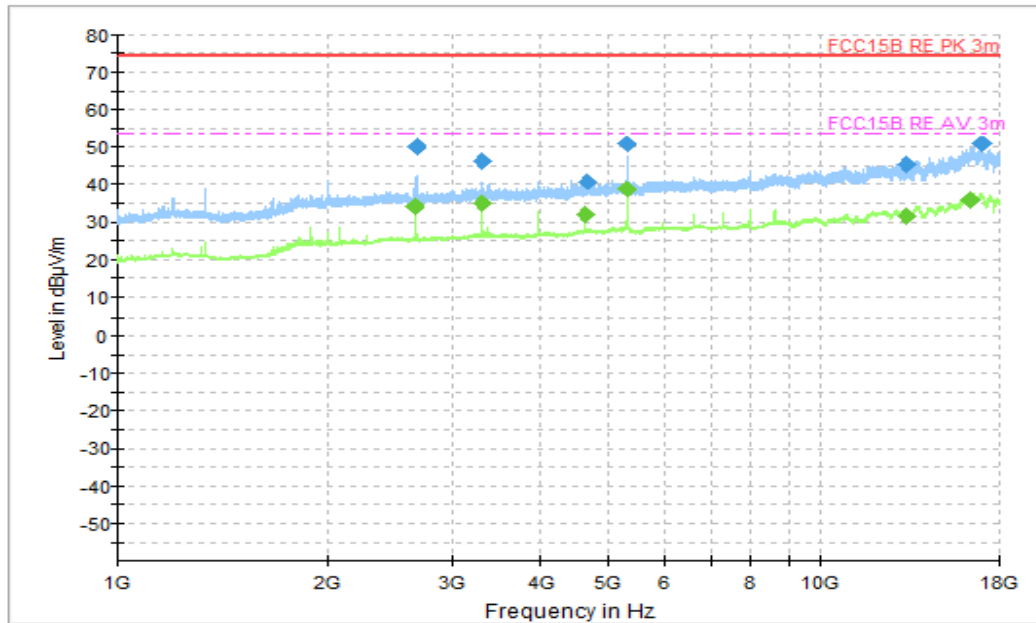


Figure A.1.20. Radiated Emission (Data Transfer : EUT TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2662.500000	49.94	74.00	24.06	V	-4.1	54.04
3315.000000	46.32	74.00	27.68	V	-2.9	49.22
4657.500000	41.10	74.00	32.90	V	-0.1	41.20
5304.000000	50.78	74.00	23.22	V	1.6	49.18
13293.000000	45.40	74.00	28.60	V	8.3	37.1
17008.000000	50.74	74.00	23.26	V	14.8	35.94

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	34.33	54.00	19.67	V	-4.1	38.43
3315.000000	35.03	54.00	18.97	V	-2.9	37.93
4641.000000	32.08	54.00	21.92	V	-0.1	32.18
5304.000000	38.88	54.00	15.12	V	1.6	37.28
13296.000000	31.74	54.00	22.26	H	8.3	23.44
16439.000000	36.11	54.00	17.89	H	14.6	21.51

**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 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 :

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.

Data Transfer : The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C. The EUT is connected to a PC for transmitting data. The software is used to let the PC keep on copying data to MS or TF Card, reading and erasing the data after copy action was finished.

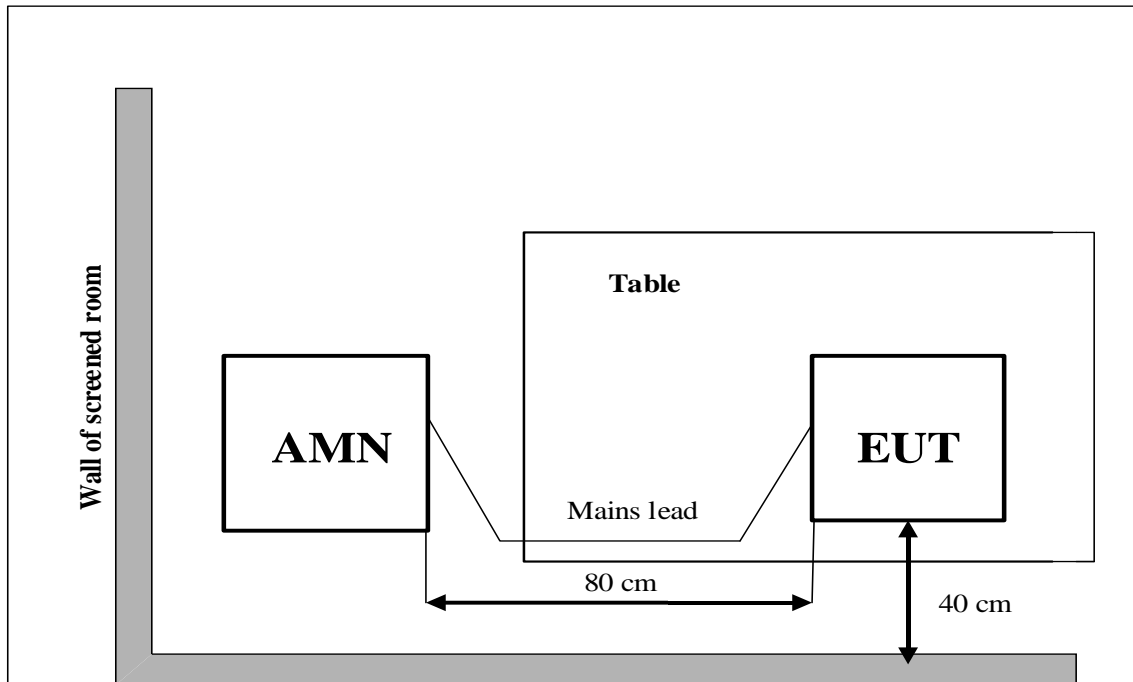
Meanwhile, the EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency

A.2.4 Test 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

$$\text{QuasiPeak(dB}\mu\text{V) /Average(dB}\mu\text{V) =PMea+Corr}$$

Where

Corr: PathLoss + Voltage Division Factor

PMea: Measurement result on receiver.

Camera

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/Set.1	
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: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/Set.1	
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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT10aa/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: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT10aa/Set.5	
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.

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT10aa/Set.6	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.5	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.



Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.6	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.

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT10aa/Set.4	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.7	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.

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.8	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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.9	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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT10aa/Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.10	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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT10aa/Set.5	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.11	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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT10aa/Set.6	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.12	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.

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.13	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.

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT10aa/Set.4	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.14	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

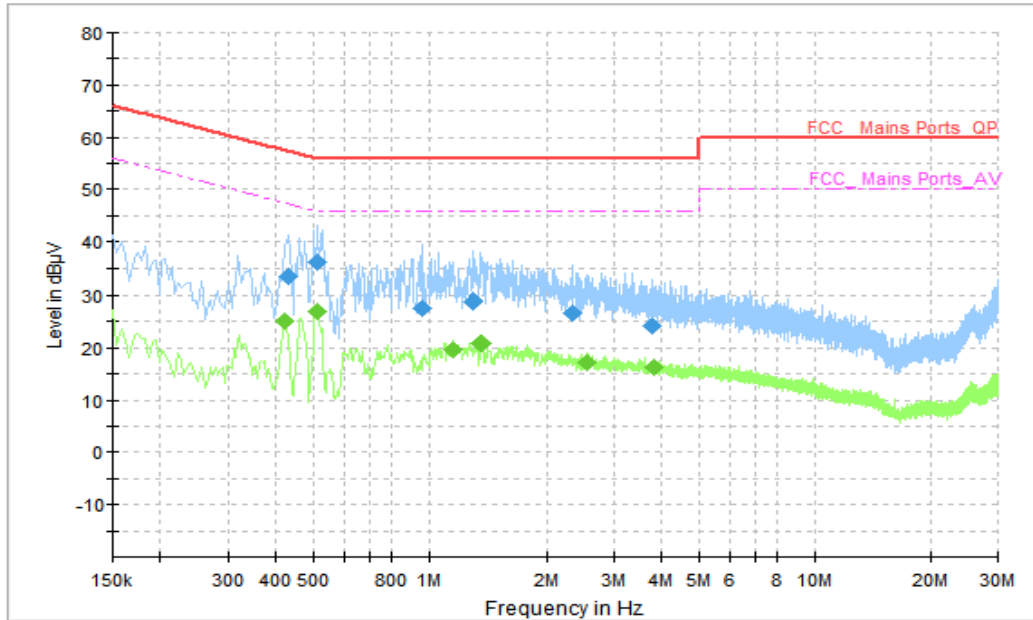


Figure A.2.1 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.430000	33.49	57.25	23.77	N	10	23.49
0.514000	36.07	56.00	19.93	L1	10	26.07
0.962000	27.41	56.00	28.59	L1	10	17.41
1.306000	28.75	56.00	27.25	L1	10	18.75
2.334000	26.50	56.00	29.50	N	10	16.5
3.758000	24.27	56.00	31.73	L1	10	14.27

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.422000	25.14	47.41	22.27	L1	10	15.14
0.514000	27.03	46.00	18.97	L1	10	17.03
1.150000	19.54	46.00	26.46	L1	10	9.54
1.366000	20.73	46.00	25.27	N	10	10.73
2.546000	17.14	46.00	28.86	N	10	7.14
3.798000	16.42	46.00	29.58	L1	10	6.42

AC Input Port/ Voltage: 120V/60Hz

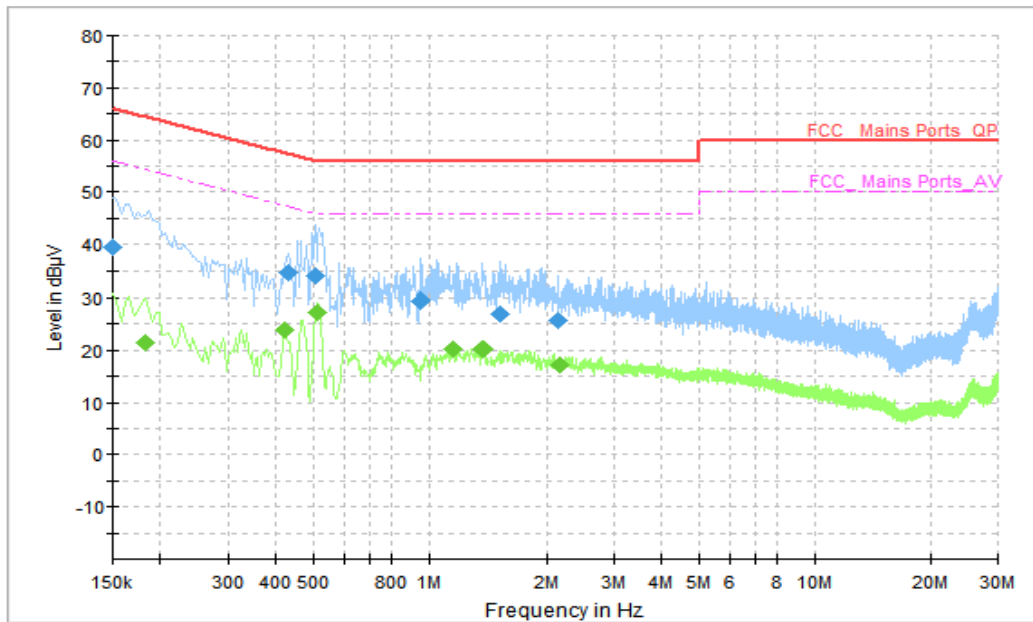


Figure A.2.2 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	39.51	66.00	26.49	N	10	29.51
0.430000	34.53	57.25	22.72	L1	10	24.53
0.506000	33.95	56.00	22.05	N	10	23.95
0.954000	29.33	56.00	26.67	L1	10	19.33
1.518000	26.83	56.00	29.17	L1	10	16.83
2.146000	25.70	56.00	30.30	N	10	15.70

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.182000	21.35	54.39	33.05	N	10	11.35
0.422000	23.91	47.41	23.50	L1	10	13.91
0.514000	27.40	46.00	18.60	N	10	17.40
1.150000	20.20	46.00	25.80	L1	10	10.20
1.374000	20.28	46.00	25.72	L1	10	10.28
2.162000	17.26	46.00	28.74	L1	10	7.26

AC Input Port/ Voltage: 120V/60Hz

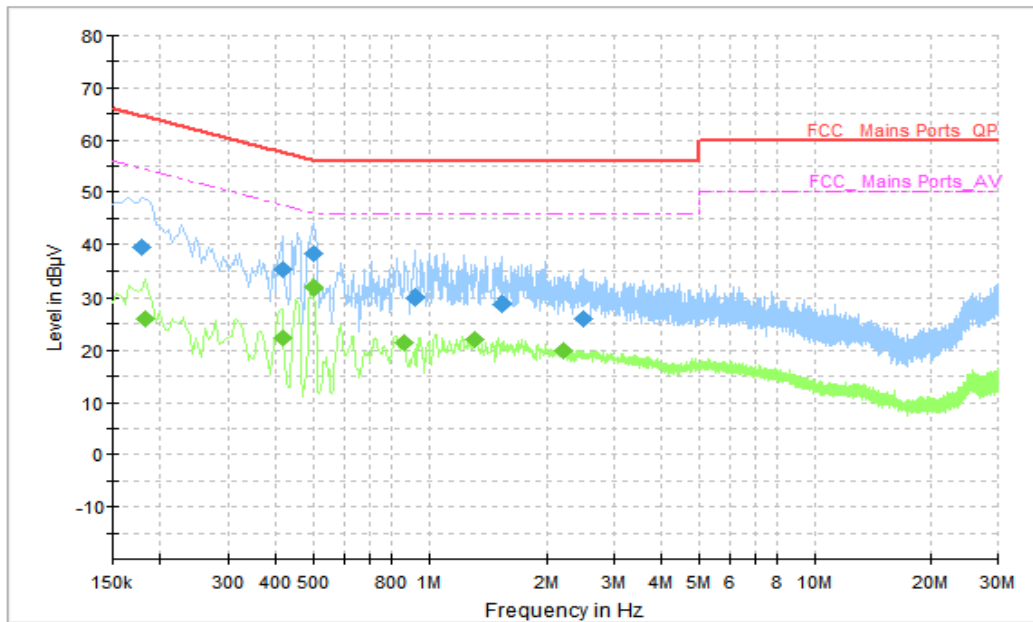


Figure A.2.3 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.178000	39.53	64.58	25.05	N	10	29.53
0.414000	35.12	57.57	22.44	L1	10	25.12
0.498000	38.34	56.03	17.69	L1	10	28.34
0.918000	30.14	56.00	25.86	L1	10	20.14
1.534000	28.81	56.00	27.19	L1	10	18.81
2.490000	26.06	56.00	29.94	L1	10	16.06

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.182000	26.12	54.39	28.28	N	10	16.12
0.414000	22.50	47.57	25.07	L1	10	12.50
0.498000	31.76	46.03	14.27	L1	10	21.76
0.862000	21.60	46.00	24.40	L1	10	11.60
1.322000	22.20	46.00	23.80	L1	10	12.2
2.214000	20.07	46.00	25.93	N	10	10.07

AC Input Port/ Voltage: 120V/60Hz

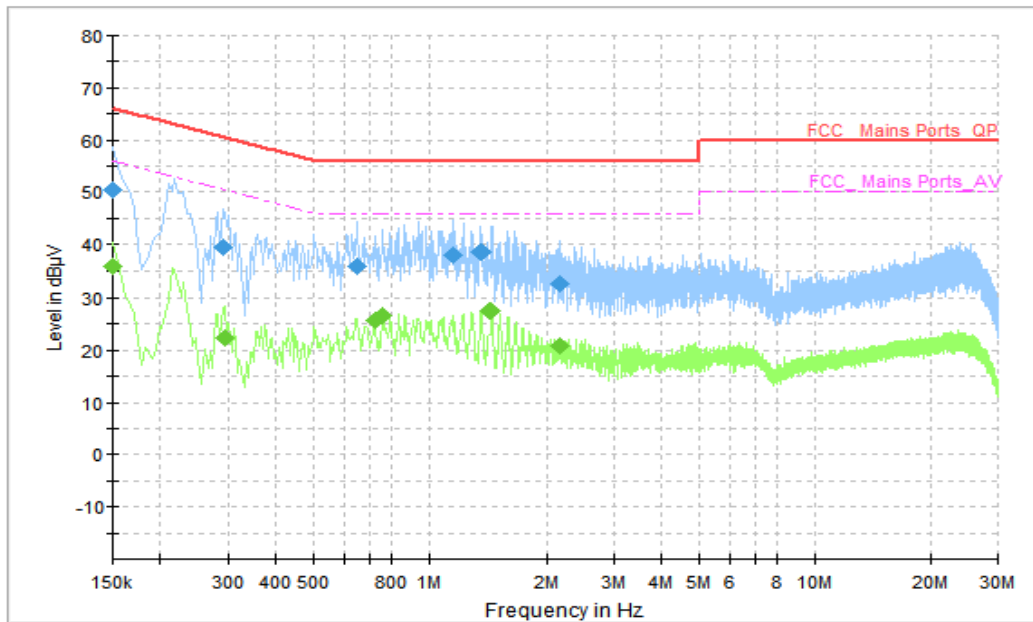


Figure A.2.4 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	50.28	66.00	15.72	N	10	40.28
0.290000	39.43	60.52	21.09	N	10	29.43
0.650000	35.76	56.00	20.24	N	10	25.76
1.154000	37.80	56.00	18.20	L1	10	27.80
1.366000	38.65	56.00	17.35	L1	10	28.65
2.162000	32.57	56.00	23.43	L1	10	22.57

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	35.84	56.00	20.16	N	10	25.84
0.294000	22.37	50.41	28.04	N	10	12.37
0.722000	25.84	46.00	20.16	L1	10	15.84
0.758000	26.60	46.00	19.40	N	10	16.60
1.442000	27.55	46.00	18.45	L1	10	17.55
2.166000	20.88	46.00	25.12	L1	10	10.88

AC Input Port/ Voltage: 120V/60Hz

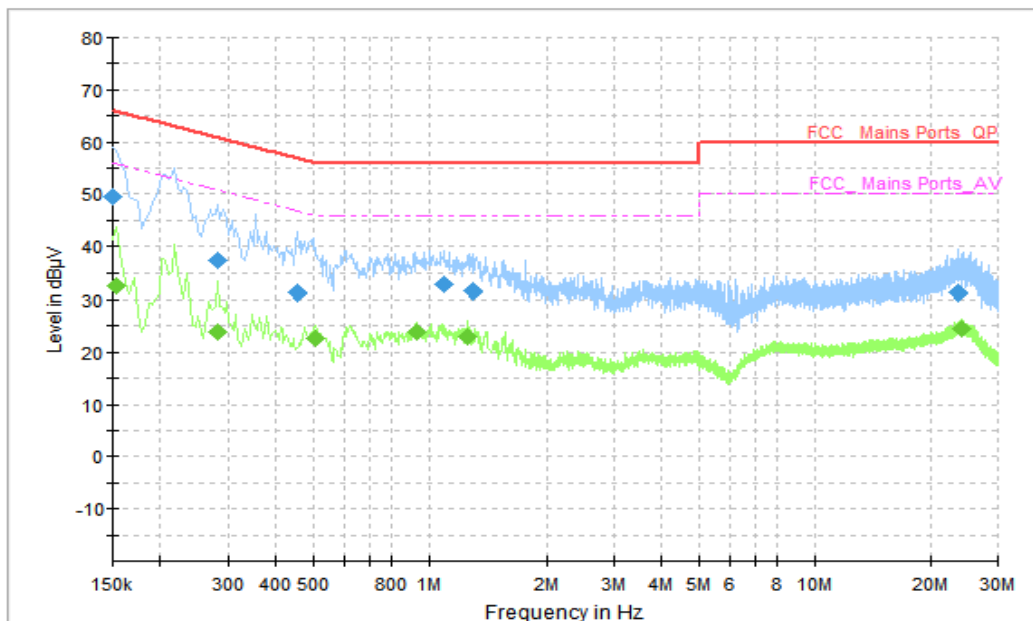


Figure A.2.5 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	49.58	66.00	16.42	N	10	39.58
0.282000	37.23	60.76	23.52	N	10	27.23
0.454000	31.27	56.80	25.53	N	10	21.27
1.094000	32.60	56.00	23.40	N	10	22.60
1.302000	31.61	56.00	24.39	N	10	21.61
23.658000	31.26	60.00	28.74	N	10	21.26

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.154000	32.51	55.78	23.27	N	10	22.51
0.282000	23.93	50.76	26.83	N	10	13.93
0.506000	22.61	46.00	23.39	N	10	12.61
0.934000	24.03	46.00	21.97	N	10	14.03
1.254000	22.91	46.00	23.09	N	10	12.91
24.026000	24.52	50.00	25.48	N	10	14.52

AC Input Port/ Voltage: 120V/60Hz

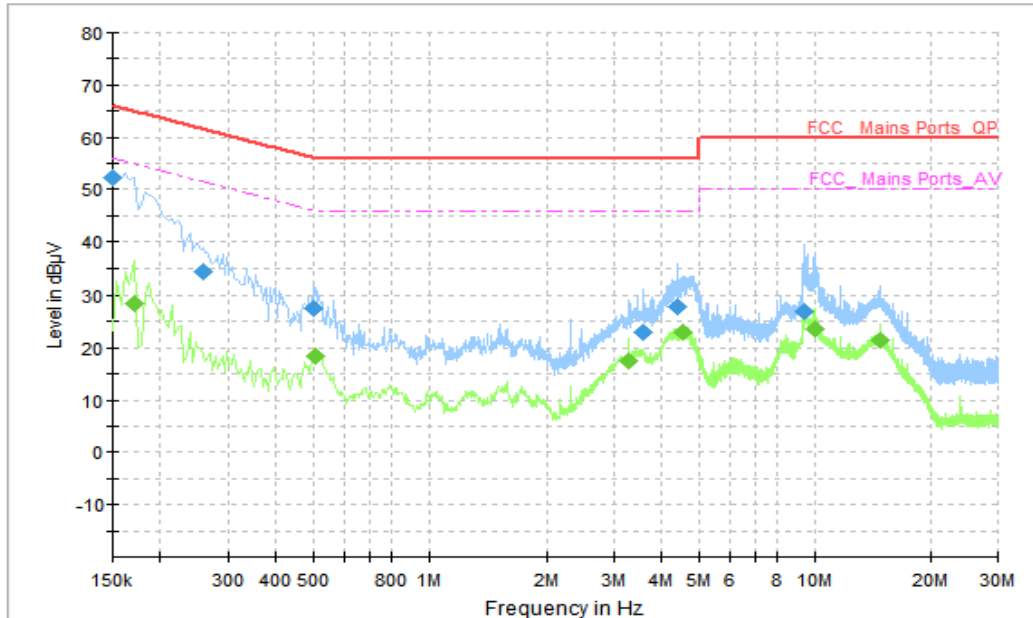


Figure A.2.6 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	52.31	66.00	13.69	N	10	42.31
0.258000	34.42	61.50	27.07	N	10	24.42
0.502000	27.67	56.00	28.33	N	10	17.67
3.578000	22.99	56.00	33.01	N	10	12.99
4.398000	28.00	56.00	28.00	N	10	18
9.342000	26.80	60.00	33.20	N	10	16.80

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	28.43	54.96	26.53	L1	10	18.43
0.506000	18.46	46.00	27.54	N	10	8.46
3.270000	17.55	46.00	28.45	L1	10	7.55
4.546000	23.01	46.00	22.99	N	10	13.01
9.990000	23.46	50.00	26.54	N	10	13.46
14.850000	21.42	50.00	28.58	N	10	11.42

AC Input Port/ Voltage: 120V/60Hz

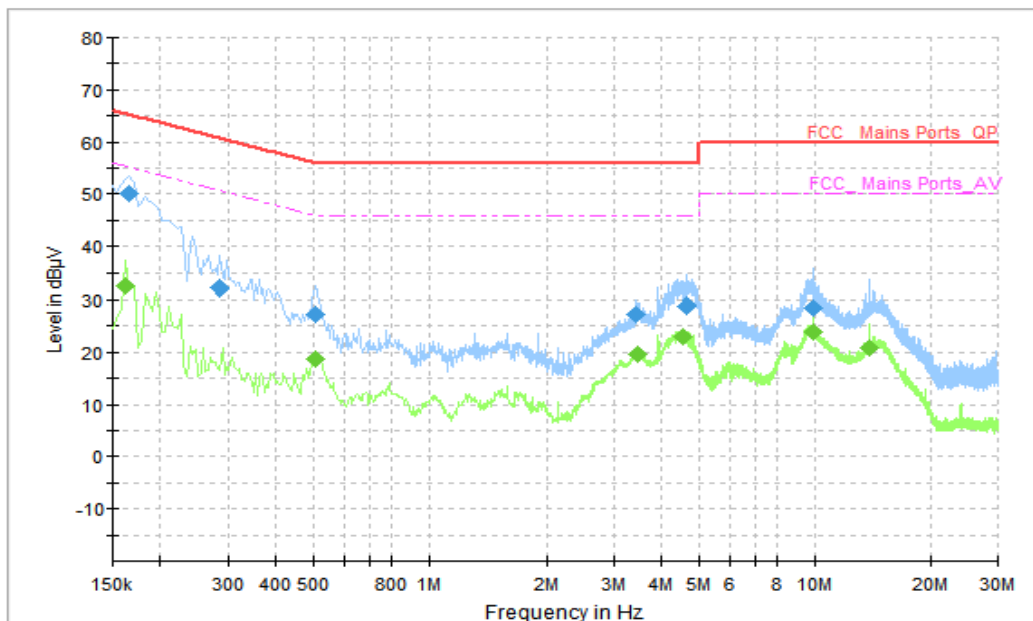


Figure A.2.7 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.166000	50.02	65.16	15.14	N	10	40.02
0.286000	32.10	60.64	28.54	N	10	22.10
0.506000	27.29	56.00	28.71	L1	10	17.29
3.402000	27.32	56.00	28.68	N	10	17.32
4.634000	28.63	56.00	27.37	N	10	18.63
9.914000	28.34	60.00	31.66	L1	10	18.34

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.162000	32.55	55.36	22.81	L1	10	22.55
0.506000	18.59	46.00	27.41	L1	10	8.59
3.466000	19.63	46.00	26.37	L1	10	9.63
4.522000	23.09	46.00	22.91	N	10	13.09
9.914000	23.88	50.00	26.12	L1	10	13.88
13.870000	20.80	50.00	29.20	L1	10	10.80

AC Input Port/ Voltage: 240V/60Hz

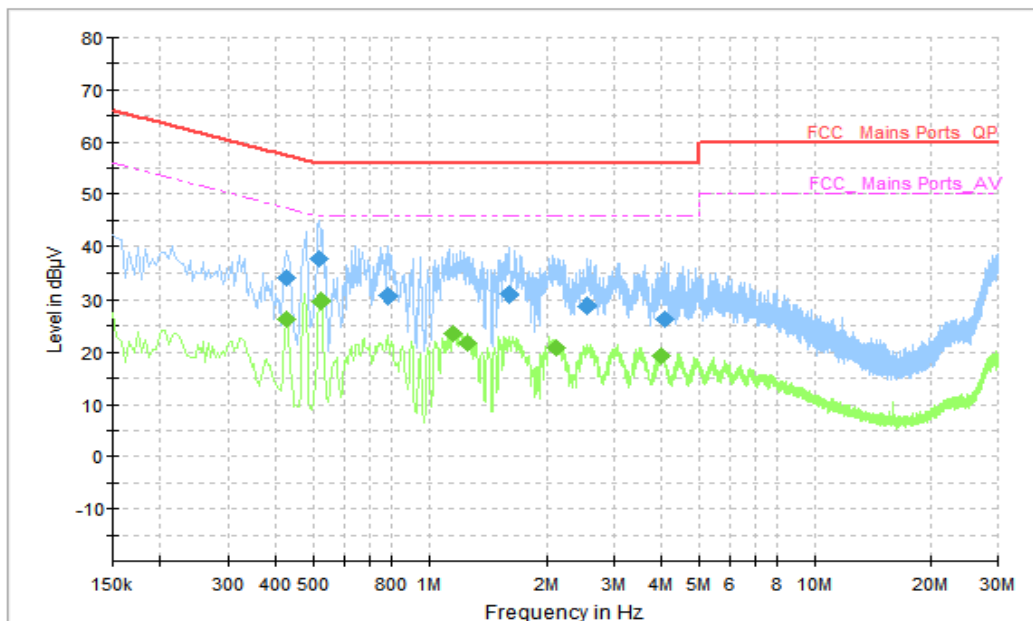


Figure A.2.8 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.426000	34.05	57.33	23.28	L1	10	24.05
0.518000	37.76	56.00	18.24	N	10	27.76
0.778000	30.59	56.00	25.41	N	10	20.59
1.602000	30.86	56.00	25.14	N	10	20.86
2.550000	28.73	56.00	27.27	N	10	18.73
4.090000	26.41	56.00	29.59	N	10	16.41

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.426000	26.33	47.33	21.00	N	10	16.33
0.522000	29.58	46.00	16.42	N	10	19.58
1.150000	23.53	46.00	22.47	L1	10	13.53
1.258000	21.71	46.00	24.29	L1	10	11.71
2.130000	20.95	46.00	25.05	N	10	10.95
3.962000	19.19	46.00	26.81	N	10	9.19

AC Input Port/ Voltage: 240V/60Hz

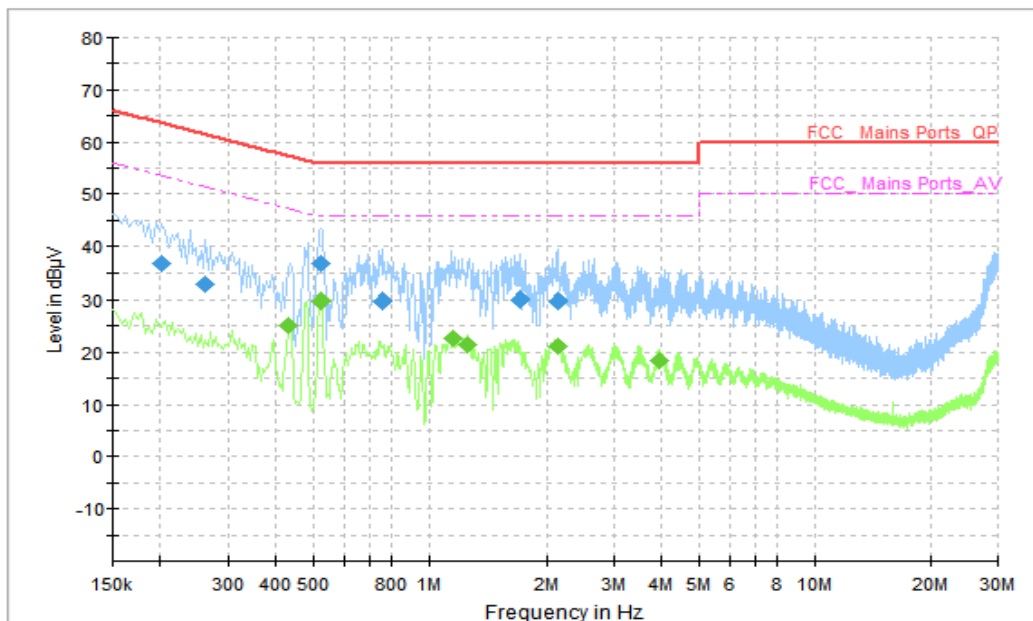


Figure A.2.9 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.202000	36.60	63.53	26.93	N	10	26.60
0.262000	32.70	61.37	28.67	N	10	22.70
0.522000	36.72	56.00	19.28	N	10	26.72
0.758000	29.59	56.00	26.41	L1	10	19.59
1.706000	29.87	56.00	26.13	L1	10	19.87
2.142000	29.60	56.00	26.40	N	10	19.60

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.430000	24.99	47.25	22.26	L1	10	14.99
0.522000	29.80	46.00	16.20	N	10	19.80
1.154000	22.74	46.00	23.26	L1	10	12.74
1.262000	21.45	46.00	24.55	L1	10	11.45
2.134000	21.18	46.00	24.82	N	10	11.18
3.922000	18.46	46.00	27.54	L1	10	8.46

AC Input Port/ Voltage: 240V/60Hz

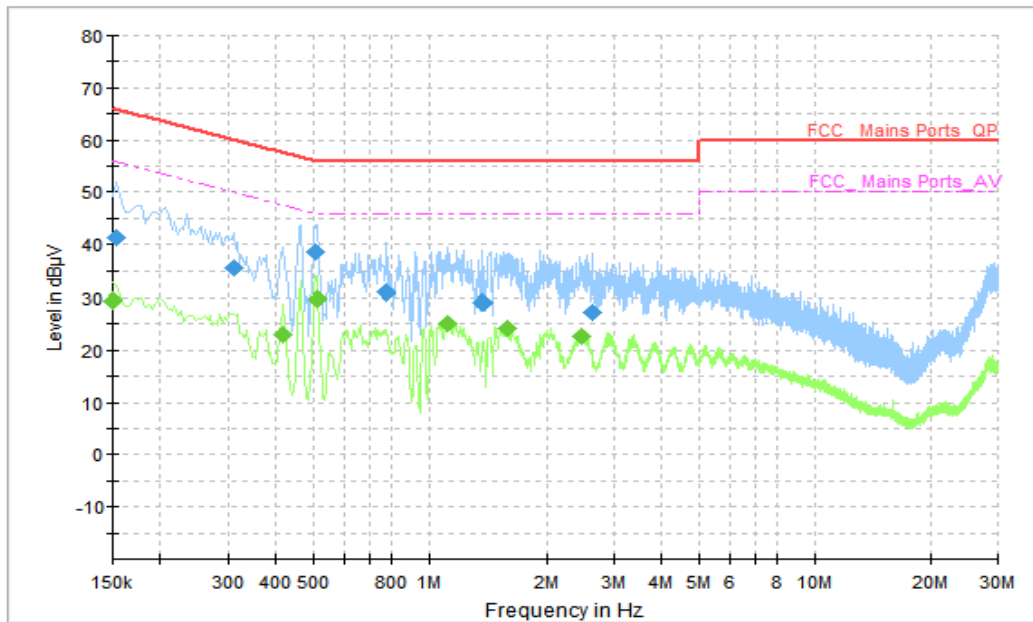


Figure A.2.10 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.154000	41.29	65.78	24.49	N	10	31.29
0.310000	35.57	59.97	24.40	N	10	25.57
0.506000	38.64	56.00	17.36	L1	10	28.64
0.774000	30.81	56.00	25.19	L1	10	20.81
1.374000	28.94	56.00	27.06	L1	10	18.94
2.622000	27.13	56.00	28.87	L1	10	17.13

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	29.41	56.00	26.59	N	10	19.41
0.418000	22.91	47.49	24.58	N	10	12.91
0.510000	29.76	46.00	16.24	N	10	19.76
1.122000	25.20	46.00	20.80	L1	10	15.20
1.582000	24.15	46.00	21.85	N	10	14.15
2.466000	22.60	46.00	23.40	L1	10	12.60

AC Input Port/ Voltage: 240V/60Hz

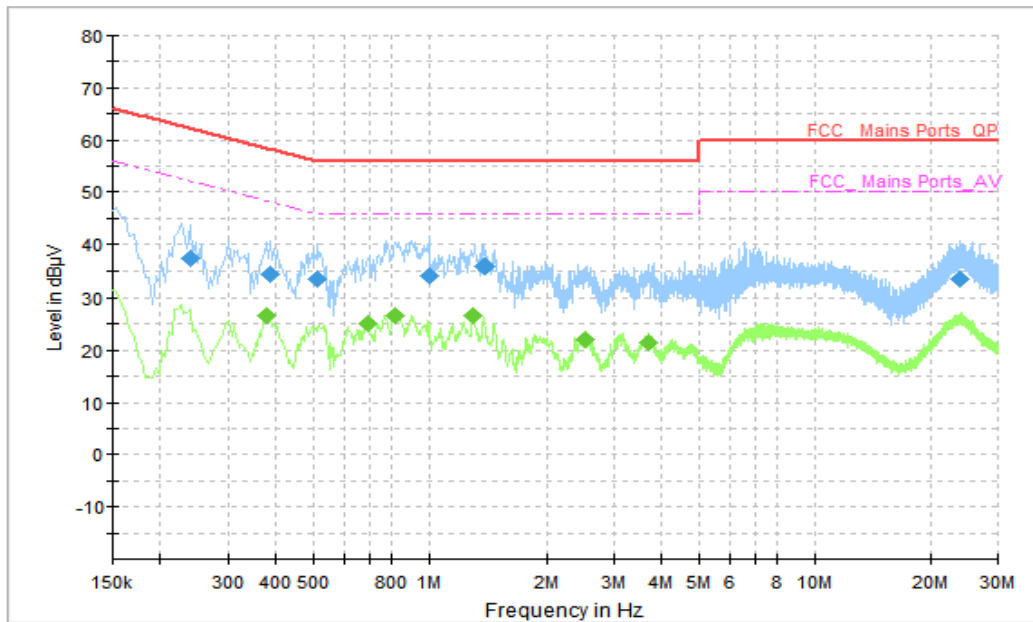


Figure A.2.11 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.238000	37.45	62.17	24.71	N	10	27.45
0.386000	34.27	58.15	23.88	L1	10	24.27
0.514000	33.41	56.00	22.59	N	10	23.41
0.998000	33.89	56.00	22.11	N	10	23.89
1.390000	35.73	56.00	20.27	L1	10	25.73
23.994000	33.45	60.00	26.55	L1	10	23.45

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.378000	26.50	48.32	21.83	N	10	16.50
0.690000	24.97	46.00	21.03	L1	10	14.97
0.814000	26.67	46.00	19.33	N	10	16.67
1.306000	26.52	46.00	19.48	L1	10	16.52
2.522000	22.20	46.00	23.80	N	10	12.2
3.706000	21.45	46.00	24.55	L1	10	11.45

AC Input Port/ Voltage: 240V/60Hz

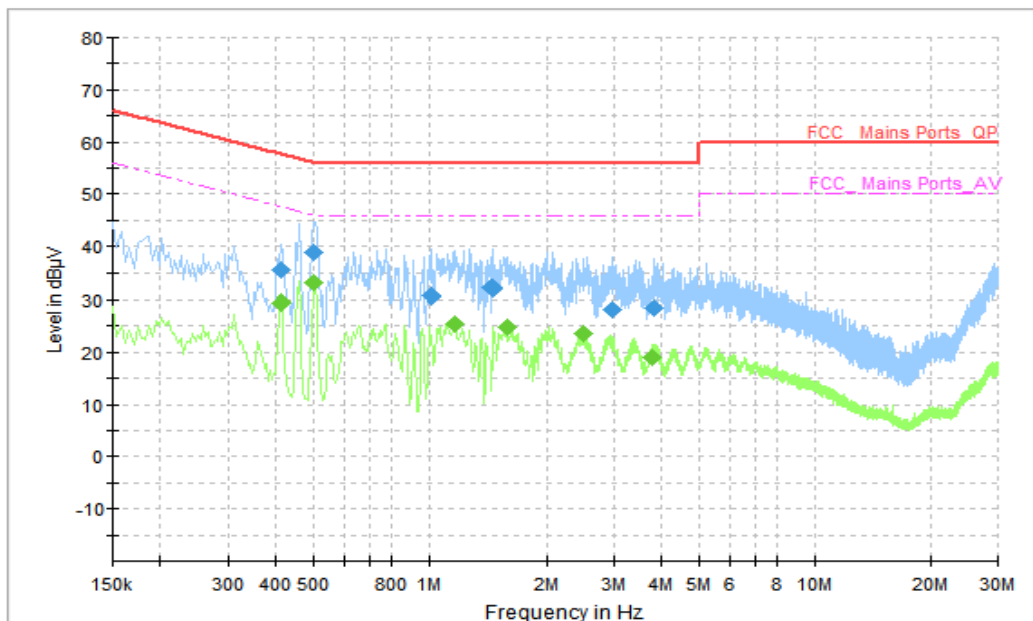


Figure A.2.12 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.410000	35.49	57.65	22.16	N	10	25.49
0.498000	38.76	56.03	17.28	L1	10	28.76
1.014000	30.65	56.00	25.35	N	10	20.65
1.454000	32.18	56.00	23.82	L1	10	22.18
2.982000	28.02	56.00	27.98	L1	10	18.02
3.806000	28.32	56.00	27.68	L1	10	18.32

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.410000	29.35	47.65	18.29	L1	10	19.35
0.502000	32.95	46.00	13.05	N	10	22.95
1.166000	25.54	46.00	20.46	N	10	15.54
1.574000	24.78	46.00	21.22	L1	10	14.78
2.494000	23.56	46.00	22.44	L1	10	13.56
3.778000	19.00	46.00	27.00	N	10	9.00

AC Input Port/ Voltage: 240V/60Hz

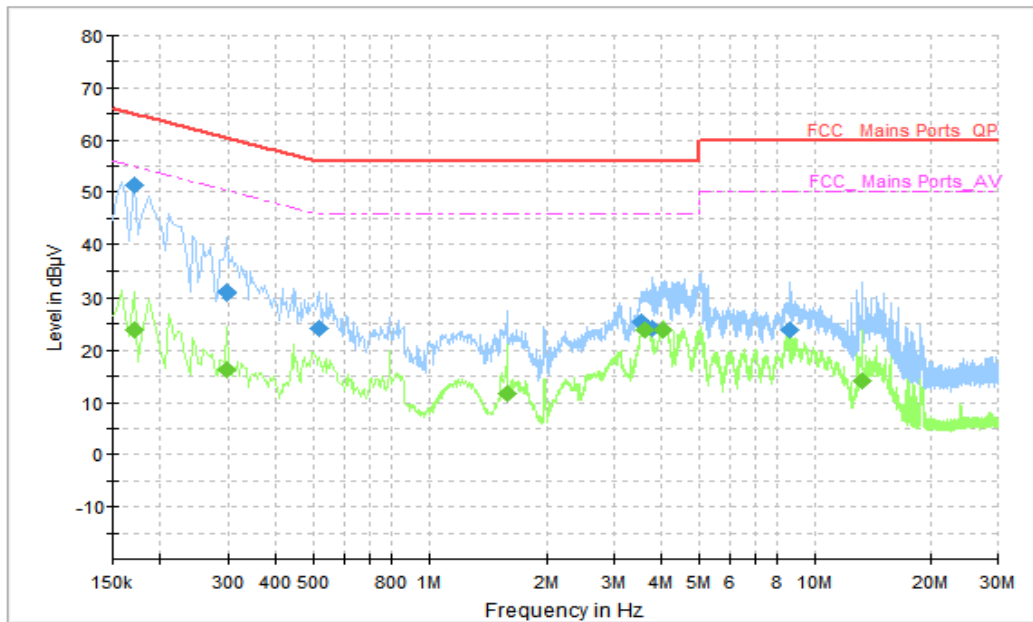


Figure A.2.13 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	51.30	64.96	13.66	N	10	41.30
0.298000	31.05	60.30	29.25	L1	10	21.05
0.518000	24.32	56.00	31.68	L1	10	14.32
3.518000	25.31	56.00	30.69	L1	10	15.31
3.762000	24.24	56.00	31.76	L1	10	14.24
8.650000	23.81	60.00	36.19	N	10	13.81

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	23.98	54.96	30.98	N	10	13.98
0.298000	16.35	50.30	33.95	L1	10	6.35
1.578000	11.83	46.00	34.17	L1	10	1.83
3.594000	23.95	46.00	22.05	N	10	13.95
4.046000	23.89	46.00	22.11	L1	10	13.89
13.250000	14.00	50.00	36.00	N	10	4.00

AC Input Port/ Voltage: 240V/60Hz

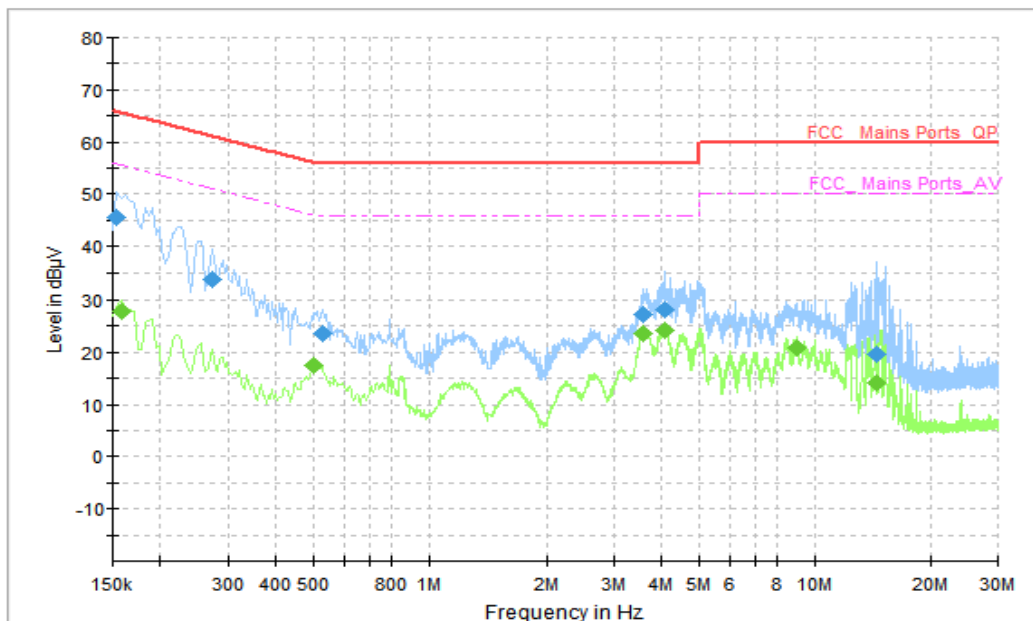


Figure A.2.14 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.154000	45.67	65.78	20.11	N	10	35.67
0.274000	33.57	61.00	27.42	N	10	23.57
0.526000	23.60	56.00	32.40	L1	10	13.60
3.578000	27.26	56.00	28.74	L1	10	17.26
4.062000	28.09	56.00	27.91	N	10	18.09
14.506000	19.79	60.00	40.21	N	10	9.79

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	27.80	55.57	27.77	N	10	17.80
0.502000	17.47	46.00	28.53	N	10	7.47
3.578000	23.70	46.00	22.30	L1	10	13.70
4.090000	24.17	46.00	21.83	L1	10	14.17
8.974000	20.85	50.00	29.15	L1	10	10.85
14.510000	14.24	50.00	35.76	N	10	4.24

END OF REPORT