



TEST REPORT

No.I22N02839-EMC

for

TCL Communication Ltd.

Tablet PC

Model Name: 9296G

With

Hardware Version: PIO

Software Version: 5C57

FCC ID: 2ACCJB189

Issued Date: 2022-08-11

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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No.I22N02839-EMC

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22N02839-EMC	Rev.0	1st edition	2022-08-11

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 PC
Model Name	9296G
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

FCC Part 15, Subpart B (10-1-2020 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: Building G, Shenzhen International Innovation Center, No.1006
Shennan Road, Futian District, Shenzhen, Guangdong, China

1.5. Project data

Testing Start Date: 2022-08-10

Testing End Date: 2022-08-10

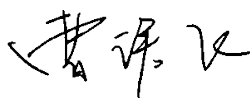
1.6. Signature



Liang Yong
(Prepared this test report)



Zhang Yunzhuan
(Reviewed this test report)



Cao Junfei
(Approved this test report)



2. CLIENT INFORMATION

2.1. Applicant Information

Company Name:	TCL Communication Ltd.
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2.2. Manufacturer Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact	Peter yang
Email	peter.yang@tcl.com
Tel.	+86 755 3664 5759
Fax	+86 755 3661 2000-81722

3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	Tablet PC
Model Name	9296G
FCC ID	2ACCJB189
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
UT12aa	QKWG8XQGV4EMCEEI	PIO	5C57	2022-08-04
UT13aa	NZBAFIZHPBMRCQ7H	PIO	5C57	2022-08-04

*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

Model	TLp078A1
S/N	CAC7800000C1
Manufacturer	BYD
Capacity	7800mAh
Nominal Voltage	3.85V

AE2-1

Model	UC13US
S/N	CBA0064BGTC1
Manufacturer	BYD

AE3-1

Model	CDA0000128C1
Manufacturer	JUWEI

AE4-1

Model	CCB0072B10C1
Manufacturer	Juwei

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

AE: ancillary equipment



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3.4. EUT Set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT+AE1+AE2-1+AE3-1	
Set.2	EUT+AE1+AE3-1+PC	
Set.3	EUT+AE1+AE4-1	

3.5. General Description

The Equipment Under Test (EUT) is a model of Tablet PC.

It has Video Player, FM receive, Camera, USB memory, Bluetooth, Wi-Fi and GNSS functions.

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

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.

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	(10-1-2020 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℃
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	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	4.86dB(k=2)
	1GHz-18GHz	4.82dB(k=2)
	18GHz-40GHz	2.90dB(k=2)
Conducted Emission	150kHz-30MHz	2.62dB(k=2)

8. MEASURING APPARATUS UTILIZED

No.	Name	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1.	Test Receiver	ESR7	101676	R&S	2022.11.24	1 year
2.	Test Receiver	ESCI	100702	R&S	2023.01.12	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2023.01.12	1 year
4.	BiLog Antenna	3142E	0224831	ETS-Lindgren	2024.05.27	3 years
5.	Horn Antenna	3117	00066577	ETS-Lindgren	2025.03.15	3 years
6.	LISN	ENV216	102067	R&S	2023.07.14	1 year
7.	Chamber	FACT3-2.0	1285	ETS-Lindgren	2023.05.29	2 years
8.	Software	EMC32	V10.50.40	R&S	/	/
9.	Horn Antenna	QSH-SL-18-2 6-S-20	17013	Q-par	2023.01.06	3 years
10.	Horn Antenna	QSH-SL-8-26- 40-K-20	17014	Q-par	2023.01.06	3 years



9. TEST ACCESSORY UTILIZED

No.	Name	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1.	PC	ThinkPad T480	PF-13LW0C	Lenovo	/	/
2.	Printer	P1008	VNF6C12491	HP	/	/
3.	Mouse	MOEUUOA	44NY517	Lenovo	/	/

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission (§15.109(a))

Reference

FCC: Part 15.109(a)

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator at a distance of 3 meters or 1 meter 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.

FM receiver: The EUT is connected to a charger for charging. The EUT is synchronized to a FM signal generator. The EUT is keeping on demodulating the FM signal and outputting the audio signal through the headset.

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 EUT or TF Card, reading and erasing the data after copy action was finished.

This device does not contains the receivers which tune and operate between 30MHz-960MHz in the following bands:

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 Part 15.109(a)

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

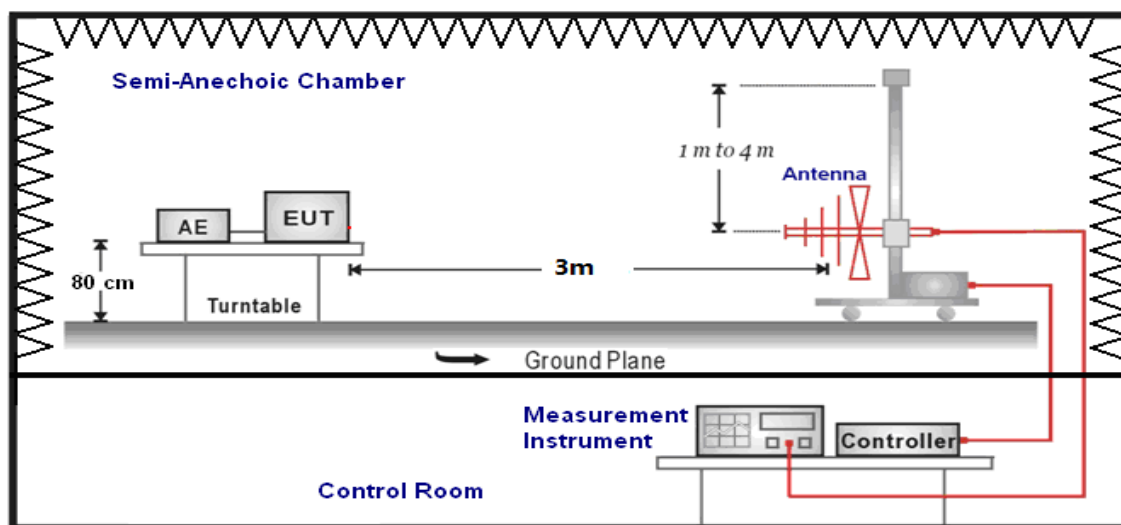
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

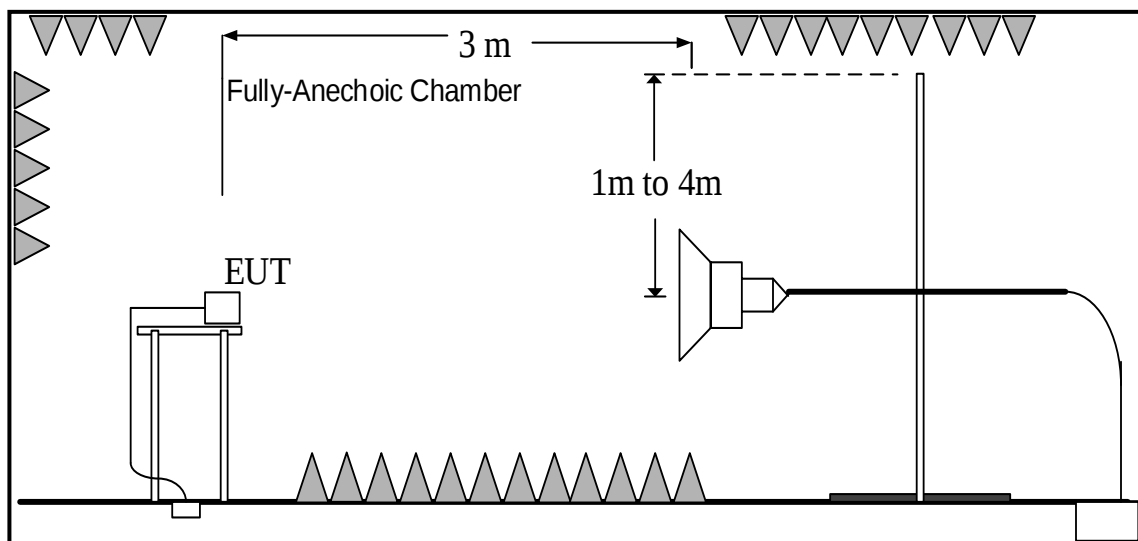
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

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:

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

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

Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT12aa/Set.1	
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 (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT12aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.2.	P
18000 to 26500	54.00	74.00	See Figure A.1.3.	
26500 to 40000	54.00	74.00	See Figure A.1.4.	

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT12aa/Set.1	
30-88	40.00	See Figure A.1.5.	P
88-216	43.52		
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
			UT12aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.6.	P
18000 to 26500	54.00	74.00	See Figure A.1.7.	
26500 to 40000	54.00	74.00	See Figure A.1.8.	

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT12aa/Set.3	
30-88	40.00	See Figure A.1.9.	P
88-216	43.52		
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
			UT12aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.10.	P
18000 to 26500	54.00	74.00	See Figure A.1.11.	
26500 to 40000	54.00	74.00	See Figure A.1.12.	

Data Transfer

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT12aa/Set.2	
30-88	40.00	See Figure A.1.13.	P
88-216	43.52		
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
			UT12aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.14.	P
18000 to 26500	54.00	74.00	See Figure A.1.15.	
26500 to 40000	54.00	74.00	See Figure A.1.16.	

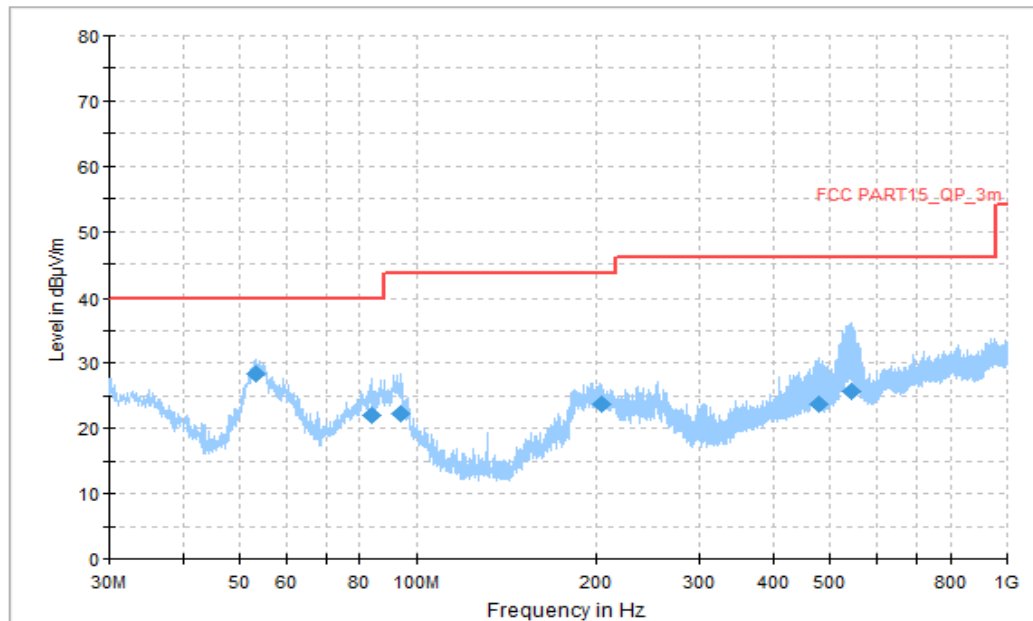


Figure A.1.1. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
53.118333	28.38	40.00	11.62	V	-22	50.38
83.565556	21.96	40.00	18.04	V	-22	43.96
94.181667	22.35	43.52	21.17	V	-21	43.35
204.061111	23.84	43.52	19.68	H	-17	40.84
478.247778	23.71	46.02	22.31	V	-7	30.71
543.776667	25.64	46.02	20.38	V	-4	29.64

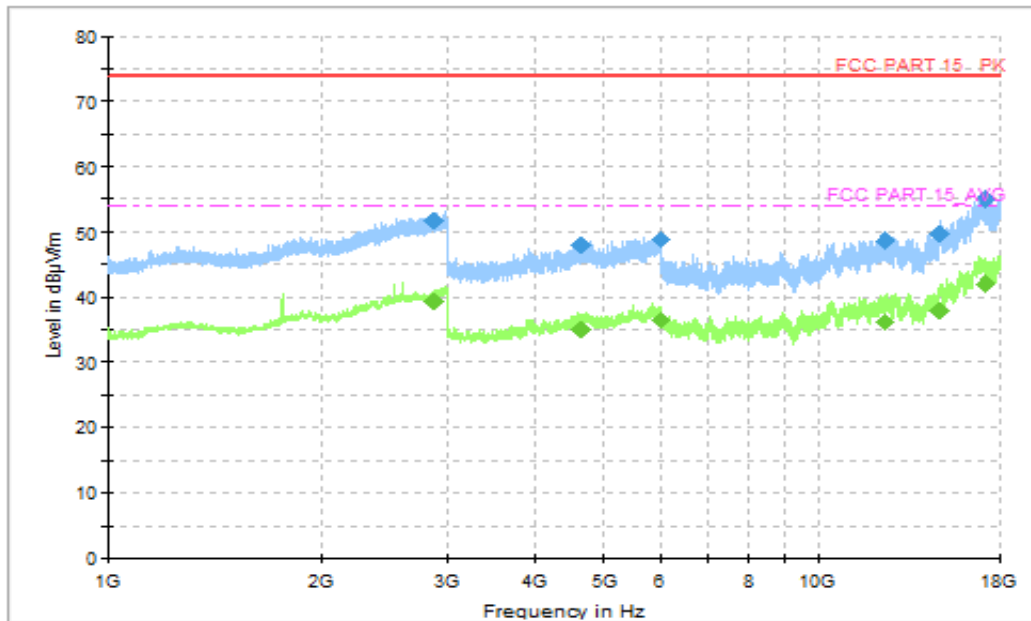


Figure A.1.2. Radiated Emission (Camera , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
2873.214286	51.64	74.00	22.36	H	17	34.64
4620.600000	48.07	74.00	25.93	V	18	30.07
5987.100000	48.83	74.00	25.17	V	20	28.83
12462.857143	48.76	74.00	25.24	H	20	28.76
14809.285714	49.76	74.00	24.24	V	23	26.76
17139.428571	55.13	74.00	18.87	H	24	31.13

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
2873.214286	39.27	54.00	14.73	H	17	22.27
4620.600000	35.04	54.00	18.96	V	18	17.04
5987.100000	36.51	54.00	17.49	V	20	16.51
12462.857143	36.14	54.00	17.86	H	20	16.14
14809.285714	37.91	54.00	16.09	V	23	14.91
17139.428571	42.20	54.00	11.80	H	24	18.20

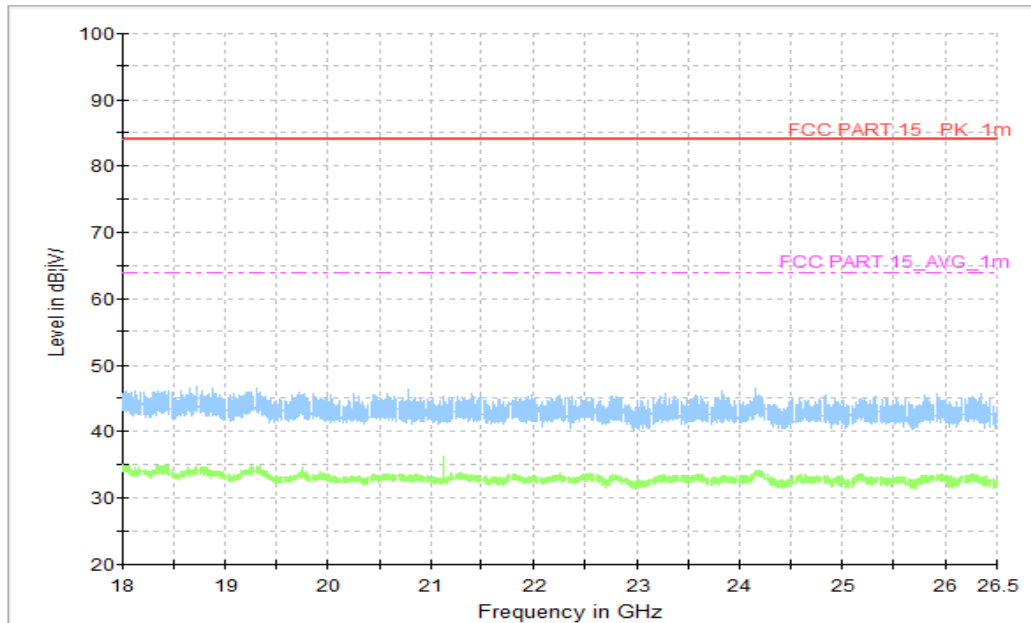


Figure A.1.3. Radiated Emission (Camera , 18GHz to 26.5GHz)

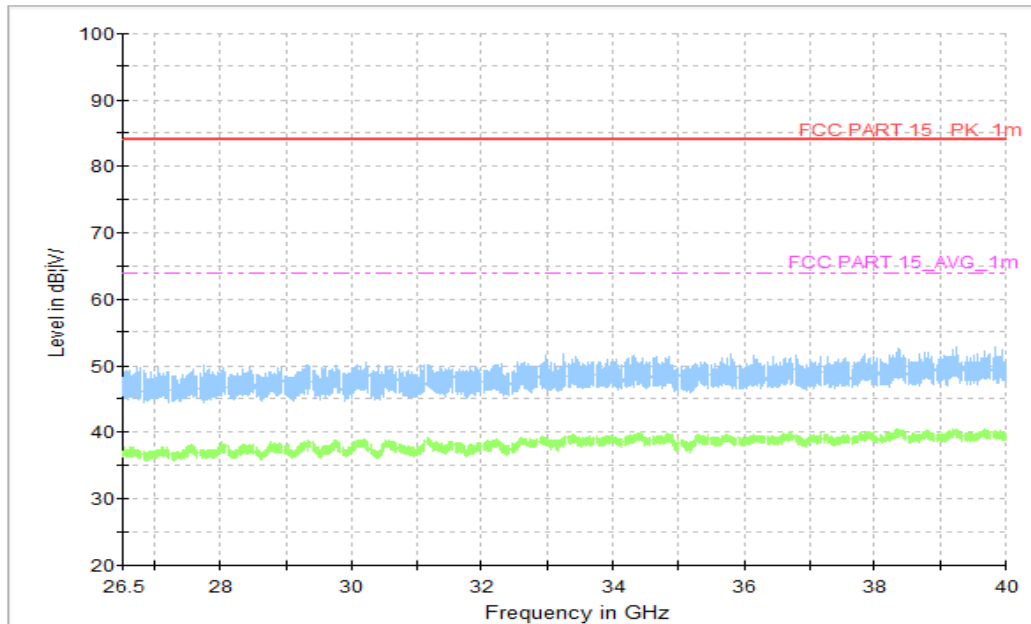


Figure A.1.4. Radiated Emission (Camera , 26.5GHz to 40GHz)

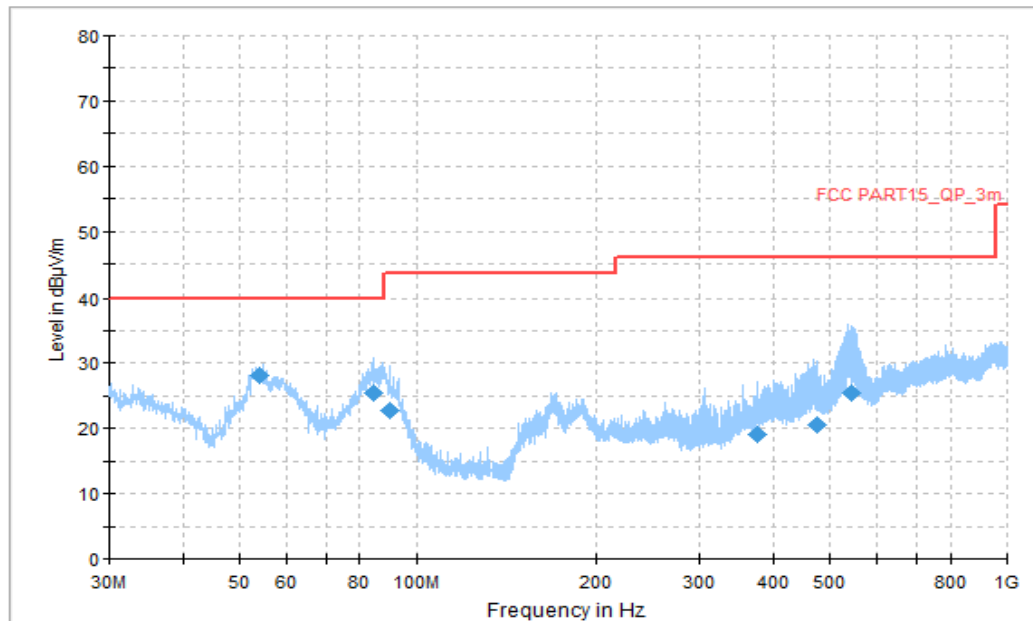


Figure A.1.5. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
54.142222	28.09	40.00	11.91	V	-22	50.09
84.104444	25.34	40.00	14.66	V	-22	47.34
89.816667	22.81	43.52	20.71	V	-22	44.81
375.751111	18.99	46.02	27.03	H	-10	28.99
473.775000	20.60	46.02	25.42	V	-7	27.6
544.854444	25.34	46.02	20.68	V	-4	29.34

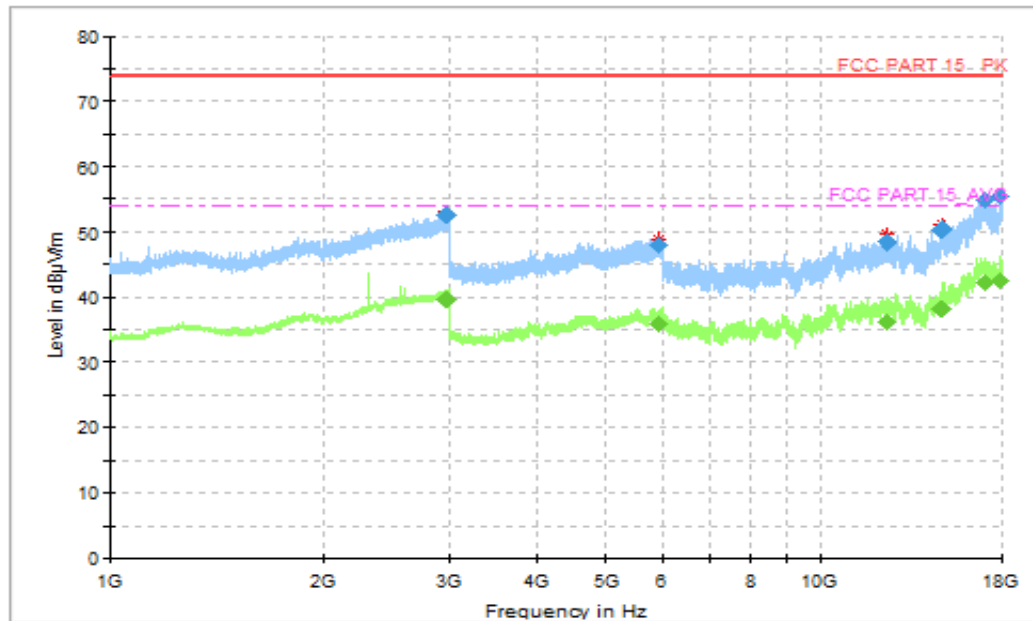


Figure A.1.6. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
2975.357143	52.59	74.00	21.41	H	6.8	45.79
5917.500000	47.85	74.00	26.15	V	4.6	43.25
12449.142857	48.47	74.00	25.53	H	11.4	37.07
14847.000000	50.38	74.00	23.62	V	13.0	37.38
17037.000000	54.91	74.00	19.09	H	18.4	36.51
17927.571429	55.52	74.00	18.48	H	18.9	36.62

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
2975.357143	39.72	54.00	14.28	H	6.8	32.92
5917.500000	35.90	54.00	18.10	V	4.6	31.3
12449.142857	36.19	54.00	17.81	H	11.4	24.79
14847.000000	38.18	54.00	15.82	V	13.0	25.18
17037.000000	42.36	54.00	11.64	H	18.4	23.96
17927.571429	42.56	54.00	11.44	H	18.9	23.66

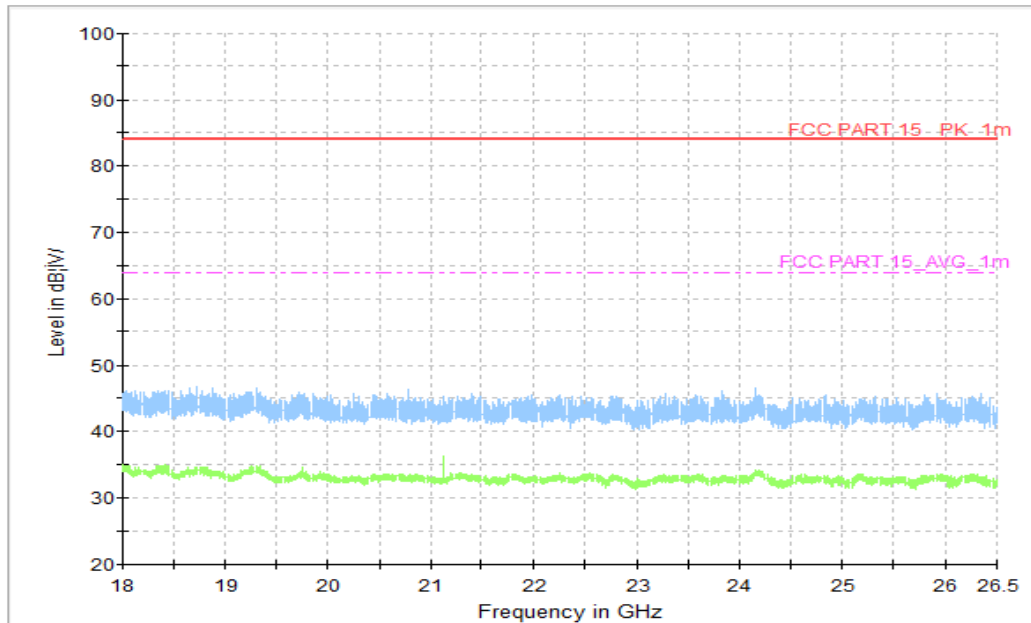


Figure A.1.7. Radiated Emission (Video Player , 18GHz to 26.5GHz)

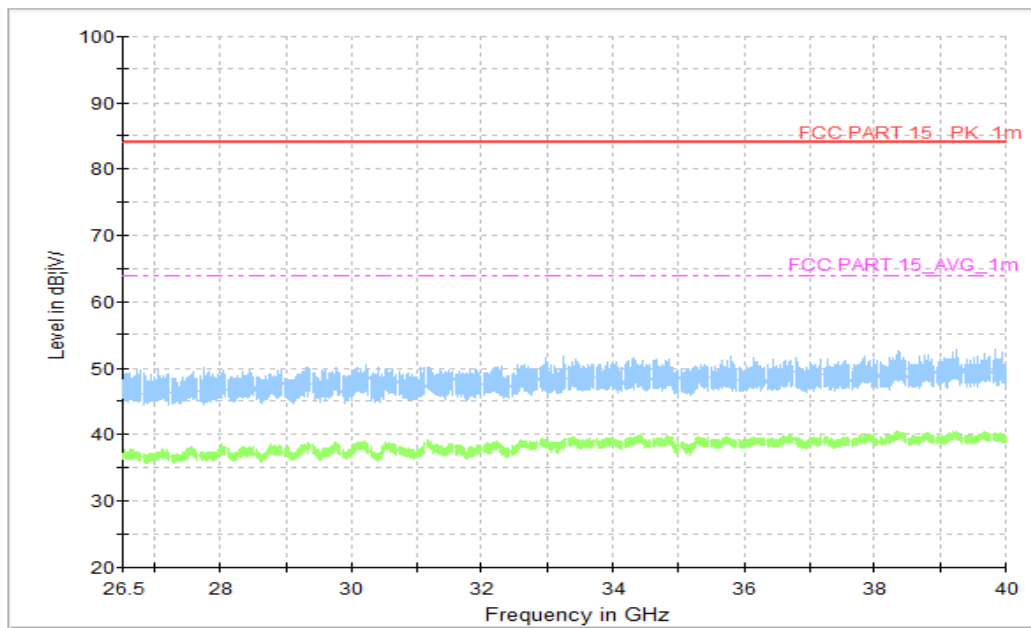


Figure A.1.8. Radiated Emission (Video Player , 26.5GHz to 40GHz)

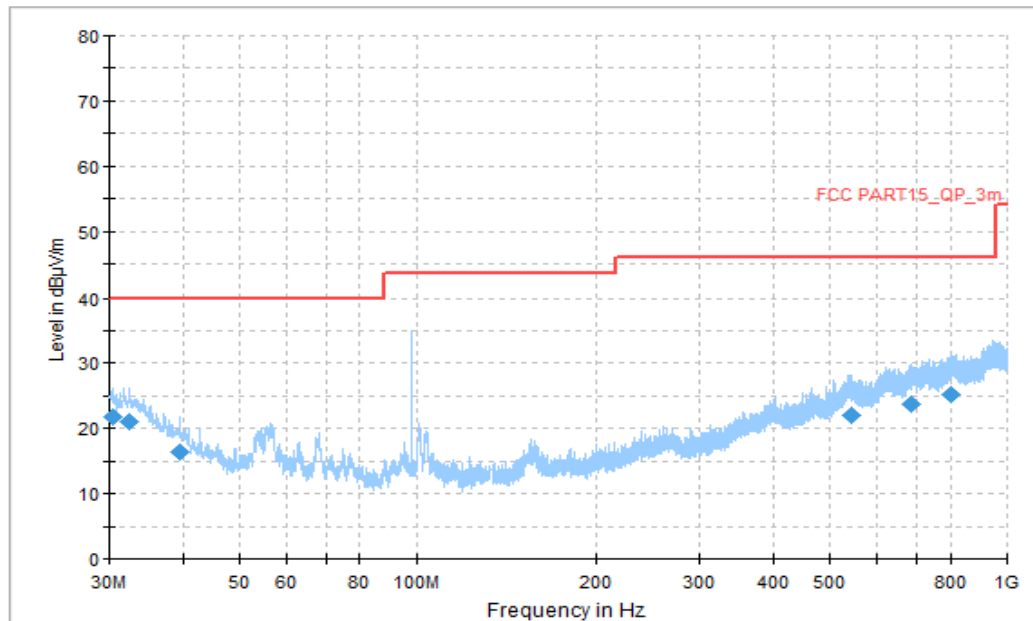


Figure A.1.9. Radiated Emission (FM receiver, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.377222	21.77	40.00	18.23	H	-13	34.77
32.532778	20.95	40.00	19.05	H	-14	34.95
39.484444	16.38	40.00	23.62	V	-18	34.38
544.638889	21.95	46.02	24.07	V	-4	25.95
684.750000	23.73	46.02	22.29	V	-2	25.73
801.581111	25.12	46.02	20.90	V	-1	26.12

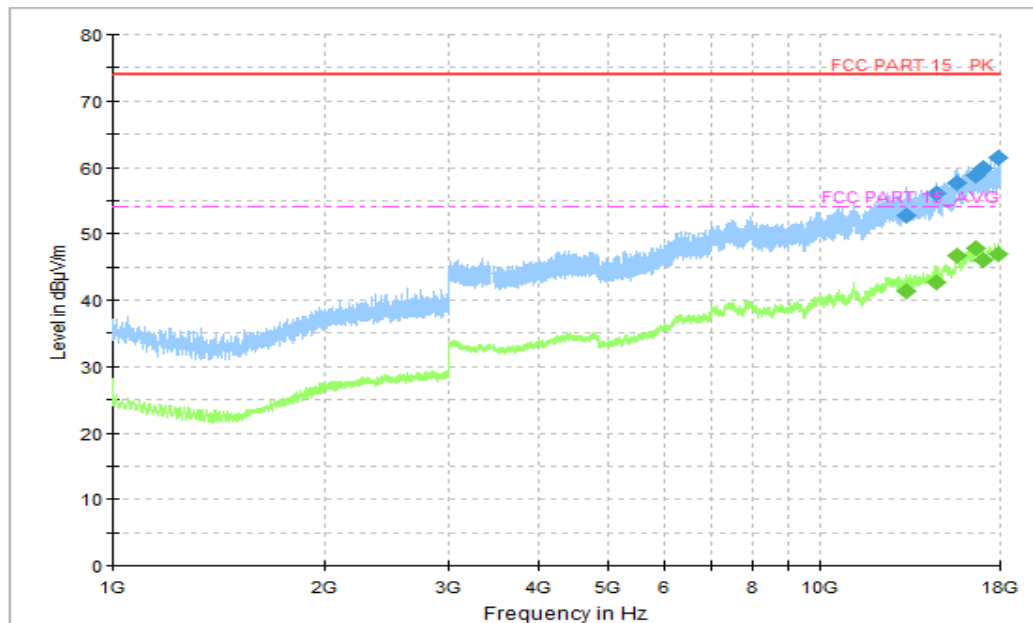


Figure A.1.10. Radiated Emission (FM receiver , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
13278.750000	52.79	74.00	21.21	V	18	34.79
14595.250000	56.12	74.00	17.88	H	19	37.12
15599.750000	57.68	74.00	16.32	H	20	37.68
16578.000000	58.79	74.00	15.21	H	23	35.79
17027.500000	59.94	74.00	14.06	V	23	36.94
17888.750000	61.46	74.00	12.54	H	25	36.46

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
13278.750000	41.26	54.00	12.74	V	18	23.26
14595.250000	42.71	54.00	11.29	H	19	23.71
15599.750000	46.71	54.00	7.29	H	20	26.71
16578.000000	47.76	54.00	6.24	H	23	24.76
17027.500000	46.11	54.00	7.89	V	23	23.11
17888.750000	46.83	54.00	7.17	H	25	21.83

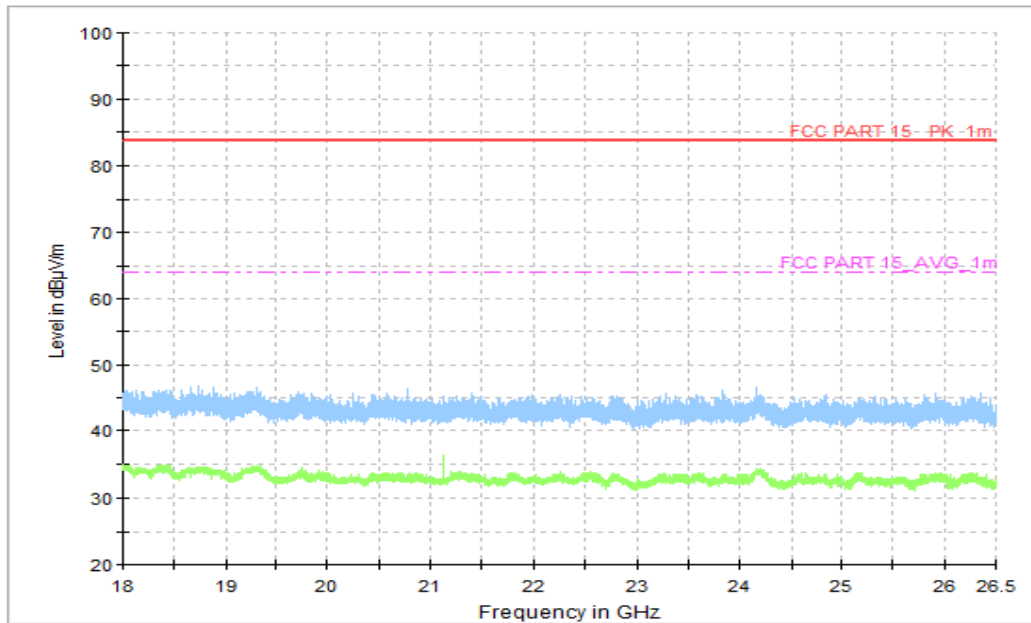


Figure A.1.11. Radiated Emission (FM receiver , 18GHz to 26.5GHz)

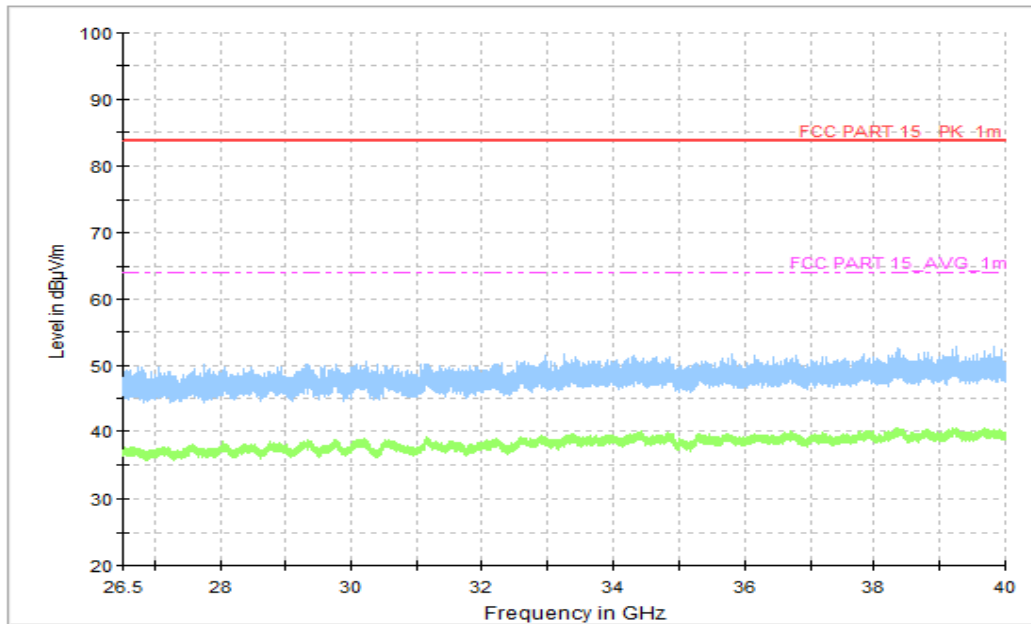


Figure A.1.12. Radiated Emission (FM receiver , 26.5GHz to 40GHz)

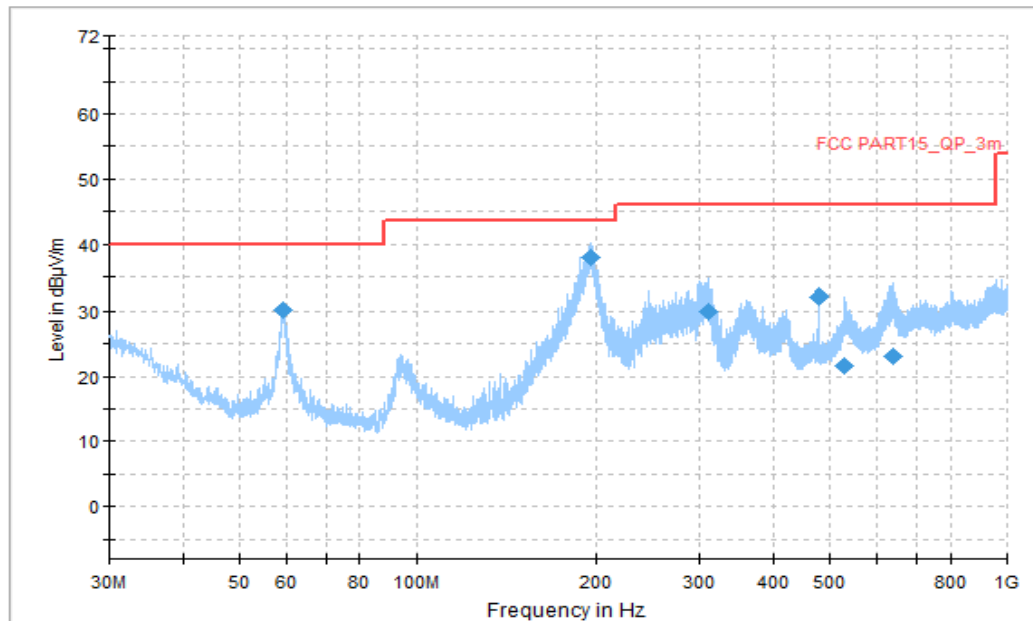


Figure A.1.13. Radiated Emission (Data Transfer: PC TO EUT, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
59.153889	30.18	40.00	9.82	H	-22	52.18
195.708333	37.97	43.52	5.55	H	-18	55.97
311.246111	29.96	46.02	16.06	H	-13	42.96
479.972222	32.03	46.02	13.99	H	-7	39.03
528.472222	21.69	46.02	24.33	H	-5	26.69
638.998333	23.17	46.02	22.85	V	-3	26.17

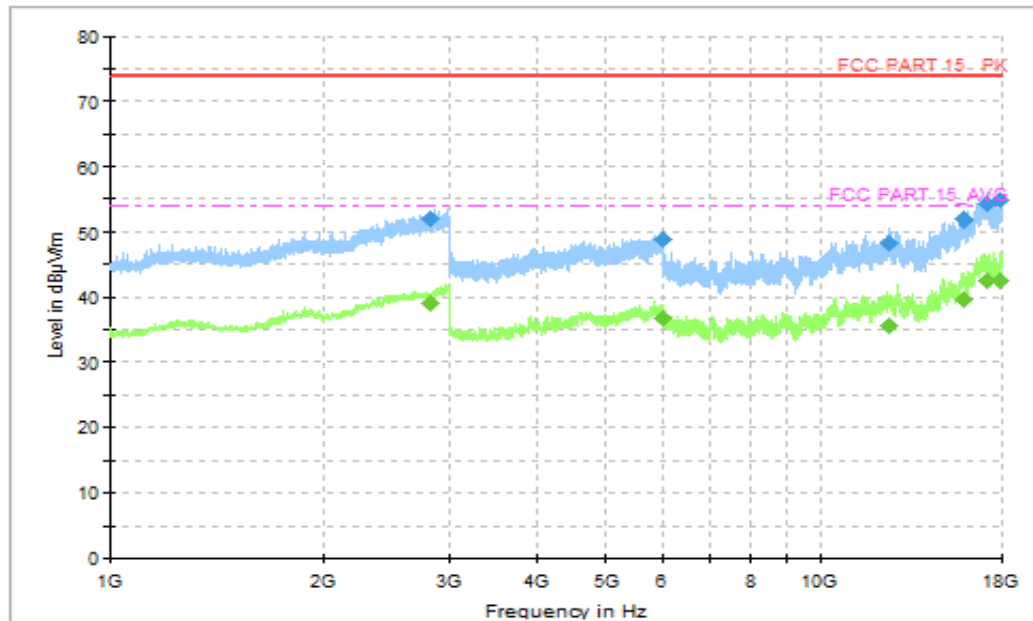


Figure A.1.14. Radiated Emission (Data Transfer: PC TO EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBμV)
2831.785714	52.09	74.00	21.91	H	6.4	45.69
5983.800000	48.85	74.00	25.15	H	4.9	43.95
12498.428572	48.12	74.00	25.88	H	11.3	36.82
15919.714286	51.86	74.00	22.14	H	14.1	37.76
17174.571429	54.43	74.00	19.57	H	18.3	36.13
17943.428571	54.82	74.00	19.18	V	19.0	35.82

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBμV)
2831.785714	39.18	54.00	14.83	H	6.4	32.78
5983.800000	36.61	54.00	17.39	H	4.9	31.71
12498.428572	35.73	54.00	18.27	H	11.3	24.43
15919.714286	39.52	54.00	14.48	H	14.1	25.42
17174.571429	42.50	54.00	11.50	H	18.3	24.2
17943.428571	42.68	54.00	11.32	V	19.0	23.68

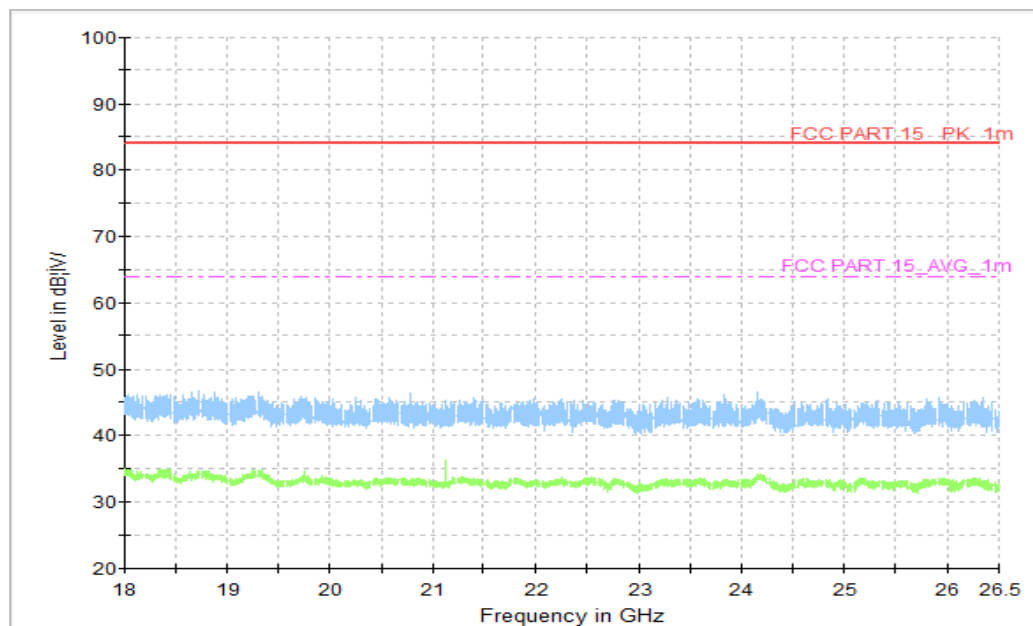


Figure A.1.15. Radiated Emission (Data Transfer: PC TO EUT, 18GHz to 26.5GHz)

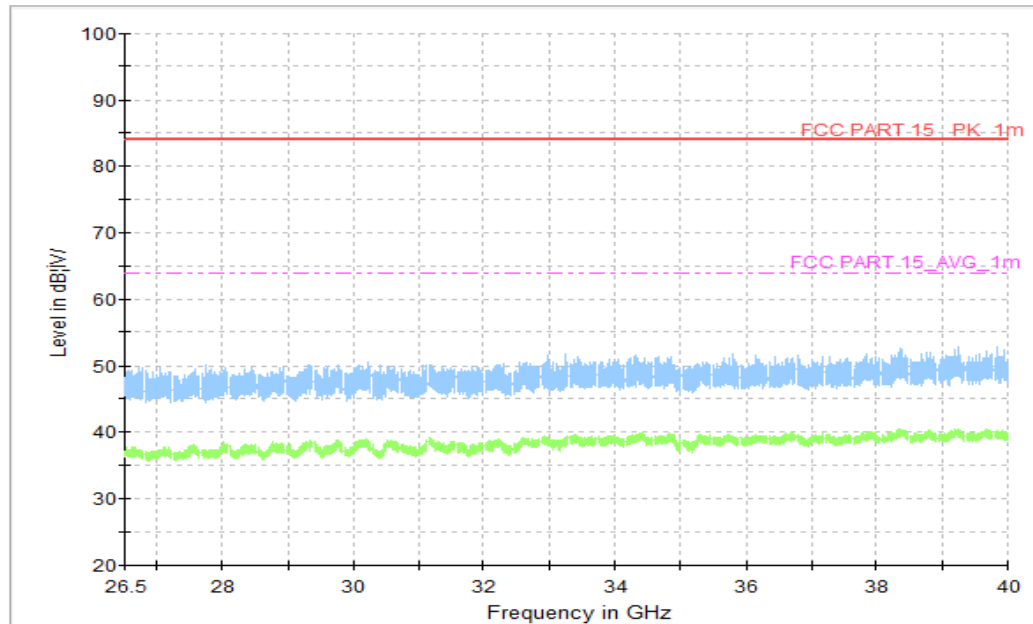


Figure A.1.16. Radiated Emission (Data Transfer: TF TO PC , 26.5GHz to 40GHz)

A.2 Conducted Emission (§15.107(a))**Reference**

FCC: 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 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.

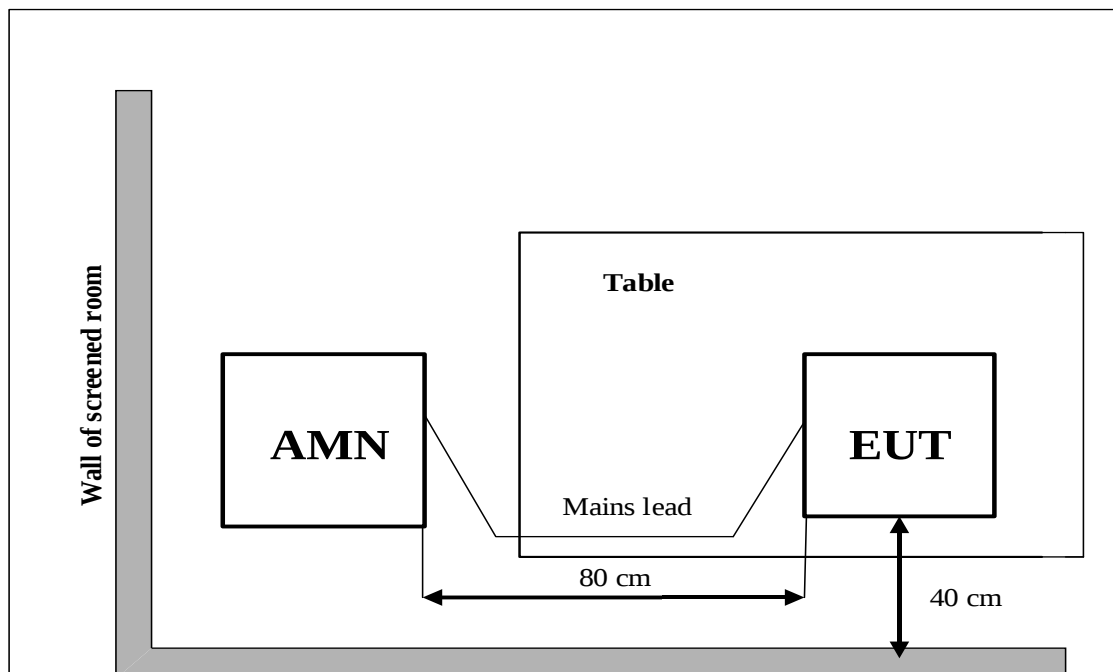
Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

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 EUT or TF Card, reading and erasing the data after copy action was finished.

A.2.3 Measurement Limit

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

A.2.4 Test 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.

Camera

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT12aa/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 (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT12aa/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.				

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT12aa/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.				

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT12aa/Set.1	
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: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT12aa/Set.1	
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: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT12aa/Set.2	
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.				

AC Input Port/ Voltage: 120V/60Hz

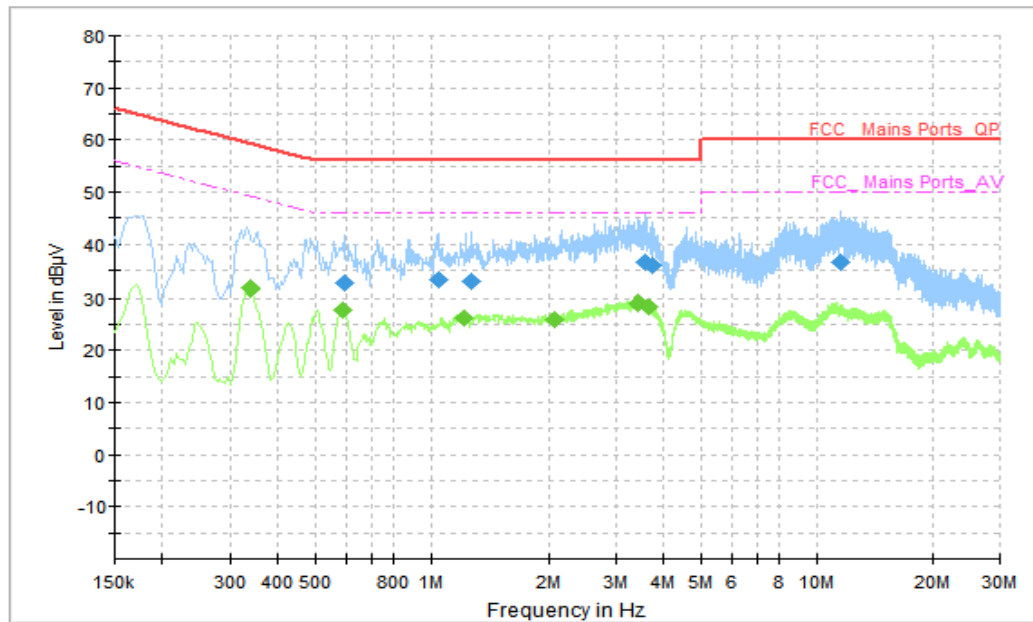


Figure A.2.1. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.594000	32.61	56.00	23.39	N	10	22.61
1.046000	33.18	56.00	22.82	N	10	23.18
1.274000	32.99	56.00	23.01	N	10	22.99
3.574000	36.56	56.00	19.44	N	10	26.56
3.714000	36.00	56.00	20.00	N	10	26
11.566000	36.60	60.00	23.40	N	10	26.60

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.338000	31.55	49.25	17.70	L1	10	21.55
0.586000	27.73	46.00	18.27	L1	10	17.73
1.214000	26.13	46.00	19.87	L1	10	16.13
2.078000	25.99	46.00	20.01	N	10	15.99
3.410000	28.89	46.00	17.11	N	10	18.89
3.634000	28.42	46.00	17.58	N	10	18.42

AC Input Port/ Voltage: 120V/60Hz

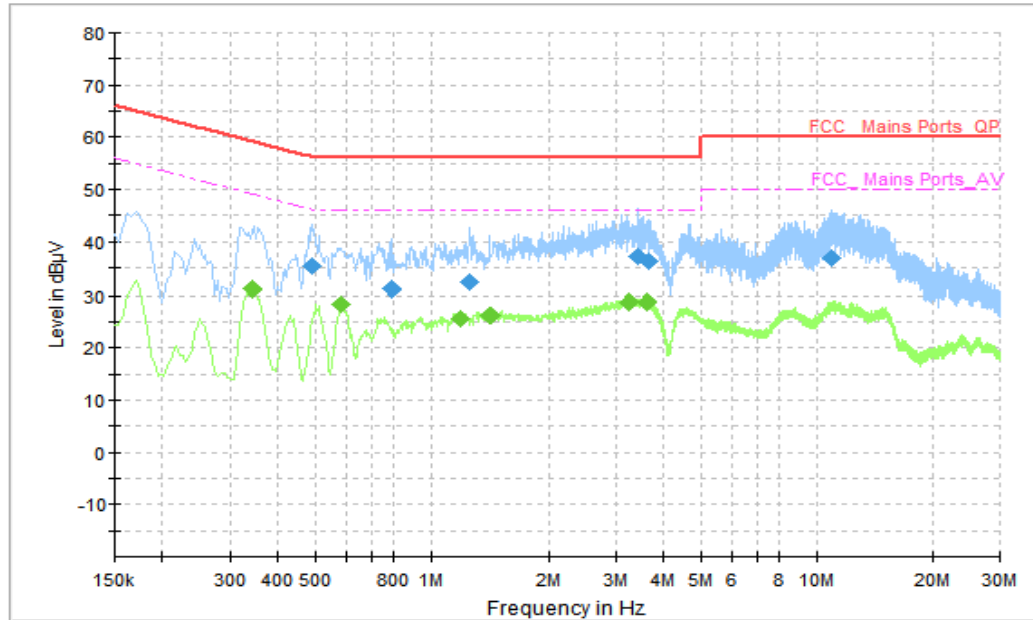


Figure A.2.2. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.490000	35.44	56.17	20.72	N	10	25.44
0.790000	31.16	56.00	24.84	N	10	21.16
1.266000	32.37	56.00	23.63	N	10	22.37
3.438000	37.19	56.00	18.81	N	10	27.19
3.638000	36.39	56.00	19.61	N	10	26.39
10.946000	36.87	60.00	23.13	N	10	26.87

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.342000	31.21	49.16	17.94	L1	10	21.21
0.582000	28.17	46.00	17.83	L1	10	18.17
1.190000	25.70	46.00	20.30	L1	10	15.70
1.422000	26.09	46.00	19.91	L1	10	16.09
3.234000	28.63	46.00	17.37	N	10	18.63
3.606000	28.50	46.00	17.50	N	10	18.50

AC Input Port/ Voltage: 120V/60Hz

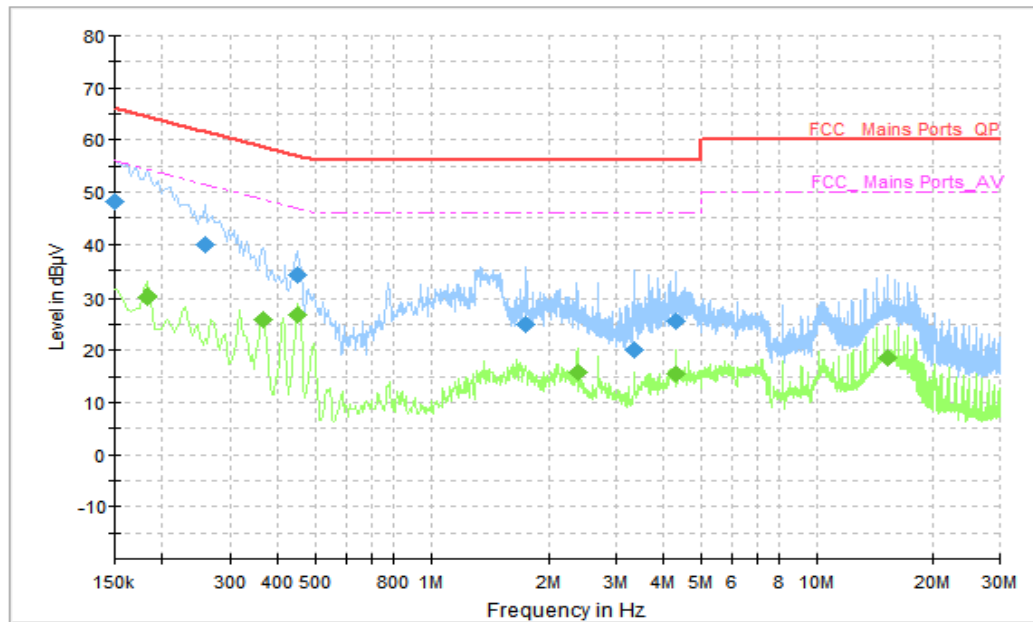


Figure A.2.3. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.150000	48.12	66.00	17.88	N	10	38.12
0.258000	39.87	61.50	21.63	L1	10	29.87
0.450000	33.99	56.88	22.89	L1	10	23.99
1.746000	25.10	56.00	30.90	N	10	15.10
3.338000	20.08	56.00	35.92	L1	10	10.08
4.302000	25.43	56.00	30.57	L1	10	15.43

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.182000	30.05	54.39	24.34	N	10	20.05
0.366000	25.82	48.59	22.77	N	10	15.82
0.450000	26.78	46.88	20.10	N	10	16.78
2.378000	15.83	46.00	30.17	L1	10	5.83
4.302000	15.41	46.00	30.59	L1	10	5.41
15.318000	18.40	50.00	31.60	N	10	8.40

AC Input Port/ Voltage: 240V/60Hz

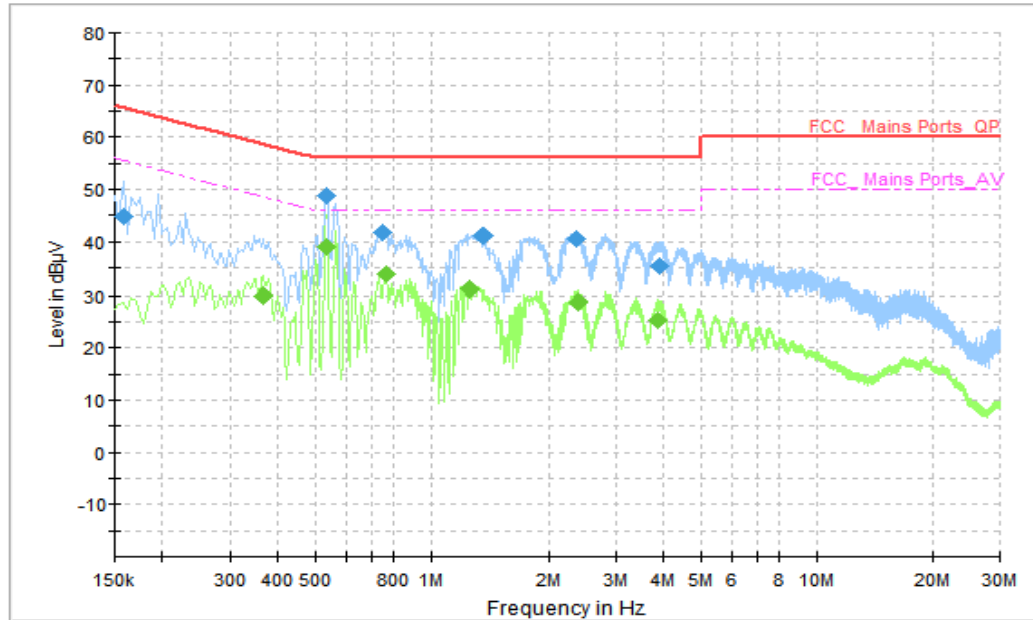


Figure A.2.4. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.158000	44.71	65.57	20.86	N	10	34.71
0.534000	48.74	56.00	7.26	N	10	38.74
0.746000	41.73	56.00	14.27	N	10	31.73
1.354000	41.06	56.00	14.94	N	10	31.06
2.366000	40.67	56.00	15.33	N	10	30.67
3.906000	35.39	56.00	20.61	N	10	25.39

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.366000	29.70	48.59	18.90	N	10	19.70
0.534000	39.07	46.00	6.93	L1	10	29.07
0.766000	33.86	46.00	12.14	N	10	23.86
1.262000	30.93	46.00	15.07	N	10	20.93
2.398000	28.74	46.00	17.26	L1	10	18.74
3.838000	25.21	46.00	20.79	N	10	15.21

AC Input Port/ Voltage: 240V/60Hz

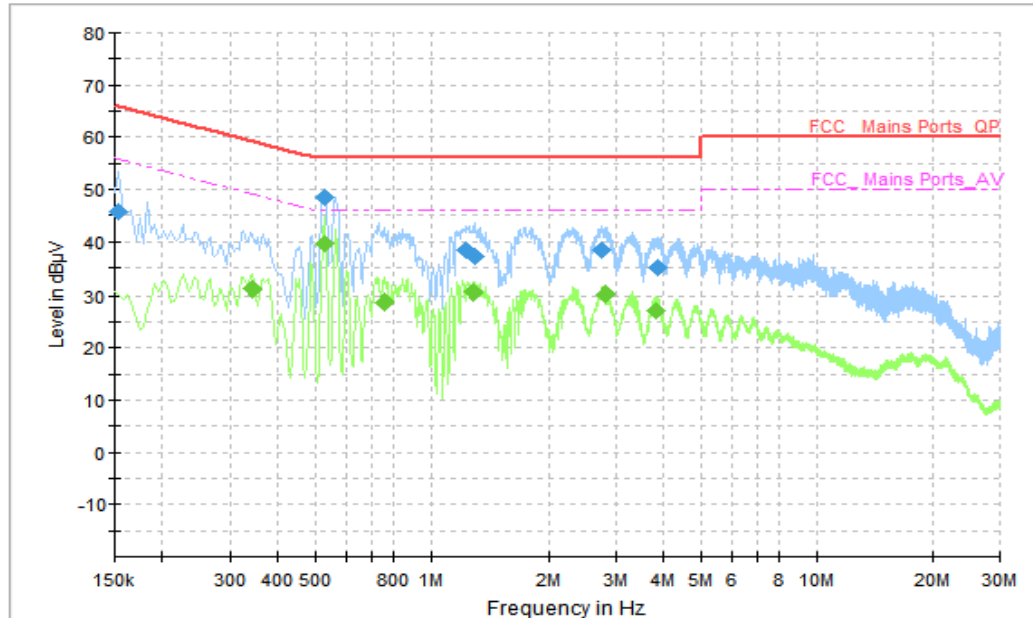


Figure A.2.5. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.154000	45.72	65.78	20.06	L1	10	35.72
0.530000	48.36	56.00	7.64	N	10	38.36
1.226000	38.51	56.00	17.49	N	10	28.51
1.298000	37.21	56.00	18.79	N	10	27.21
2.766000	38.50	56.00	17.50	N	10	28.5
3.854000	35.19	56.00	20.81	N	10	25.19

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.342000	30.97	49.16	18.19	L1	10	20.97
0.526000	39.64	46.00	6.36	N	10	29.64
0.754000	28.73	46.00	17.27	L1	10	18.73
1.294000	30.60	46.00	15.40	N	10	20.60
2.810000	30.11	46.00	15.89	N	10	20.11
3.818000	27.17	46.00	18.83	N	10	17.17

AC Input Port/ Voltage: 240V/60Hz

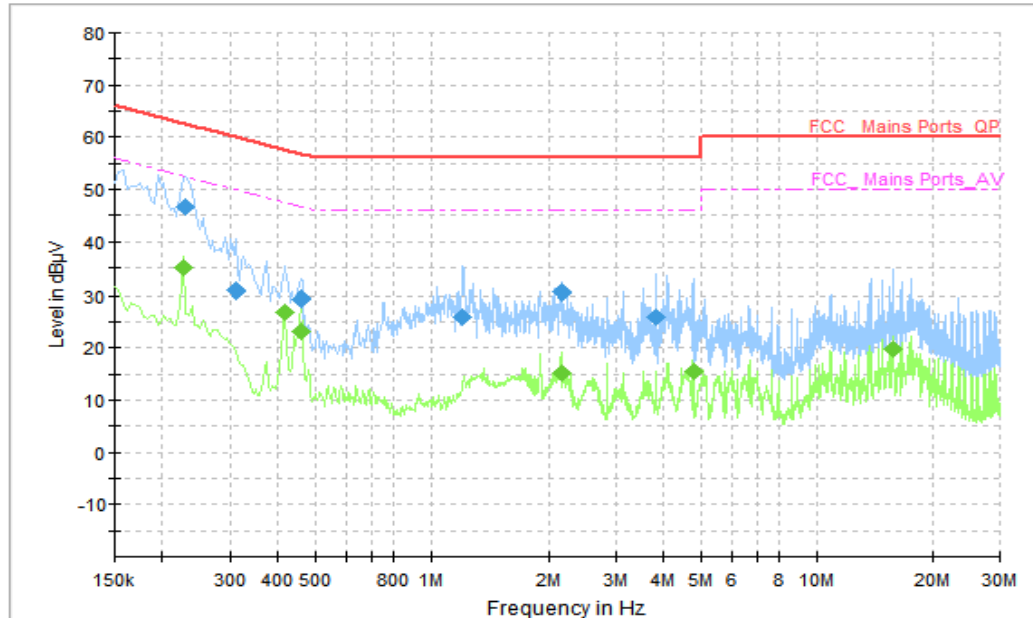


Figure A.2.6. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.230000	46.53	62.45	28.92	N	10	36.53
0.310000	30.75	59.97	29.22	N	10	20.75
0.458000	29.10	56.73	27.63	N	10	19.10
1.210000	26.00	56.00	30.00	N	10	16.00
2.162000	30.50	56.00	25.50	N	10	20.5
3.802000	25.84	56.00	30.16	L1	10	15.84

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBμV)
0.226000	35.05	52.60	17.55	N	10	25.05
0.414000	26.89	47.57	20.68	N	10	16.89
0.458000	23.22	46.73	23.50	N	10	13.22
2.162000	15.18	46.00	35.82	N	10	5.18
4.770000	15.59	46.00	30.41	L1	10	5.59
15.758000	19.72	50.00	30.28	N	10	9.72

END OF REPORT