



TEST REPORT

No.I20N03427-EMC

for

TCL Communication Ltd.

Tablet PC

Model Name: 9309X

With

Hardware Version:PIO

Software Version:CB1

FCC ID: 2ACCJB146

Issued Date: 2021-01-31

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
I20N03427-EMC	Rev.0	1st edition	2021-01-31

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	9309X
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: 2021-01-03

Testing End Date: 2021-01-24

1.6. Signature

Ma Shoujian

(Prepared this test report)

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(Reviewed this test report)

Cao Junfei

(Approved this test report)



2. ClientInformation

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
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Fax 0086-755-36612000-81722



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

3.1. About EUT

Description	Tablet PC
Model Name	9309X
FCC ID	2ACCJB146
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	DC9BD6200BF3211	PIO	CB1	2020-12-29
UT10aa	DC9BD6200BF3213	PIO	CB1	2020-12-29
UT05aa	DC9BD6200C11136	PIO	CB1	2021-01-20
UT01aa	DC9BD6200C11142	PIO	CB1	2021-01-20

*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	BYD
Capacity	2580mAh
Nominal Voltage	3.8V

AE2-1

Model	UC11US/CBA0058AGKC5
Manufacturer	PUAN



AE2-2

Model UC11US/CBA0058AGAC5
Manufacturer PUAN

AE3-1

Model CDA3122005C8
Manufacturer PUAN

AE3-2

Model CDA3122005C2
Manufacturer SHENGHUA

*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 UC11US/CBA0058AGKC5 (AE2-1) and UC11US/CBA0058AGAC5 (AE2-2) are the same.



3.4. EUT set-ups

EUT set-up No.

Set.1
Set.2
Set.3
Set.4

Combination of EUT and AE

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



3.5. General Description

The Equipment Under Test (EUT) is a model of Tablet PC 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	0224831	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)

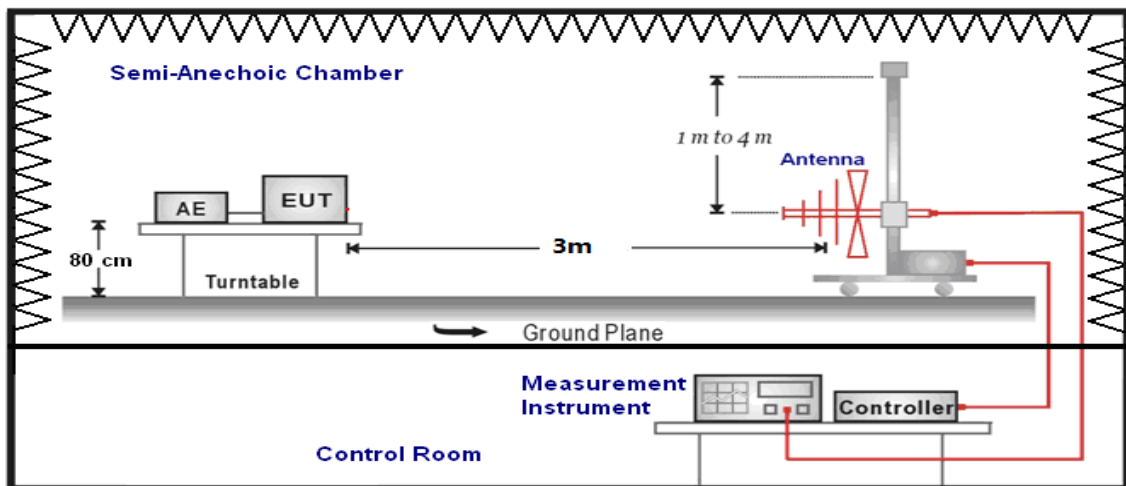
Frequency range (MHz)	Field strength limit ($\mu\text{V}/\text{m}$)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

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

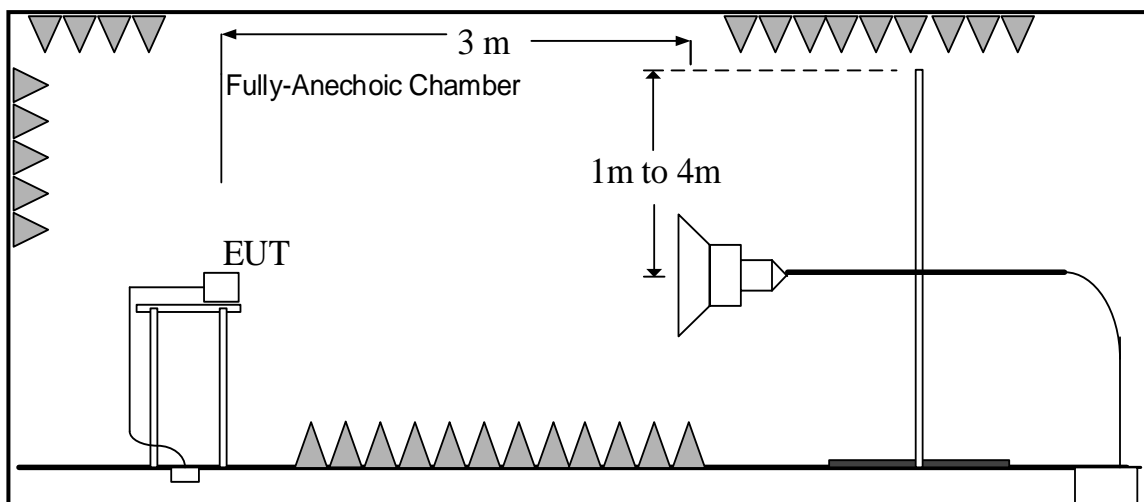
A.1.4 Test Condition

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
		UT10aa/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
			UT10aa/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
		UT10aa/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
			UT10aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.4.	P

Camera

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

Data Transfer : EUT to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT10aa/Set.3	
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
			UT10aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.8.	P

Data Transfer : PC to EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT10aa/Set.3	
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
			UT10aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.10.	P

Data Transfer : PC to TF Card

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT10aa/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
			UT10aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.12.	P

Data Transfer : TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT10aa/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
			UT10aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.14.	P

Data Transfer : TF Card to PC

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.1.15.	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
			UT09aa/Set.4	
1000 to 18000	54	74	See Fugure A.1.16.	P

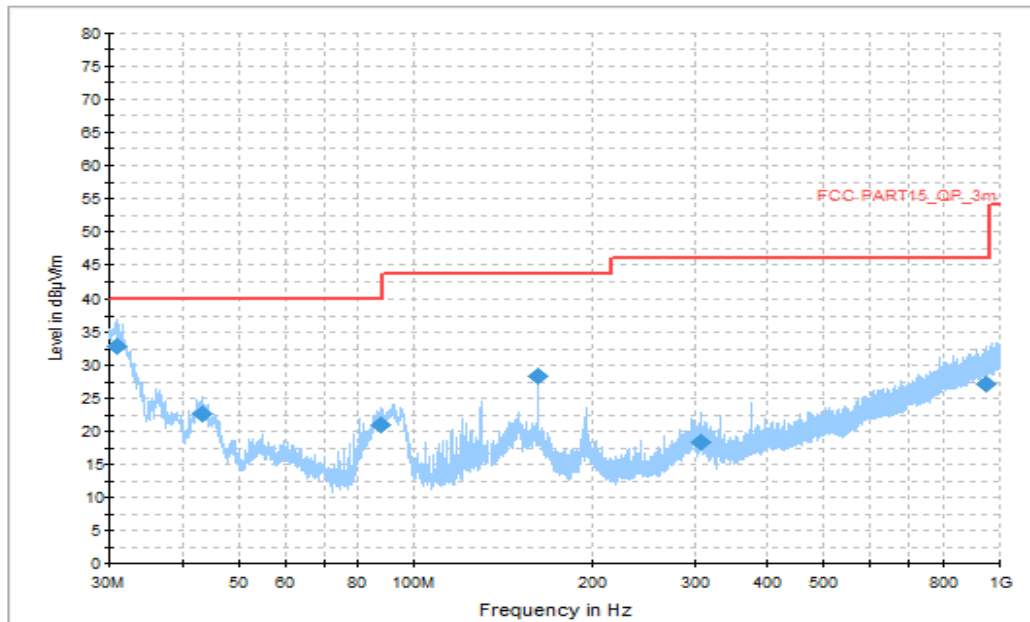


Figure A.1.1. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
31.018500	32.9	40.0	-23.6	V	-23.6	56.50
43.240500	22.6	40.0	-21.9	V	-21.9	44.5
87.860500	21.0	40.0	-26.8	V	-26.8	47.80
161.968500	28.5	43.5	-23.0	H	-23.0	51.50
308.487000	18.4	46.0	-22.3	H	-22.3	40.7
949.948000	27.1	46.0	-8.8	V	-8.8	35.90

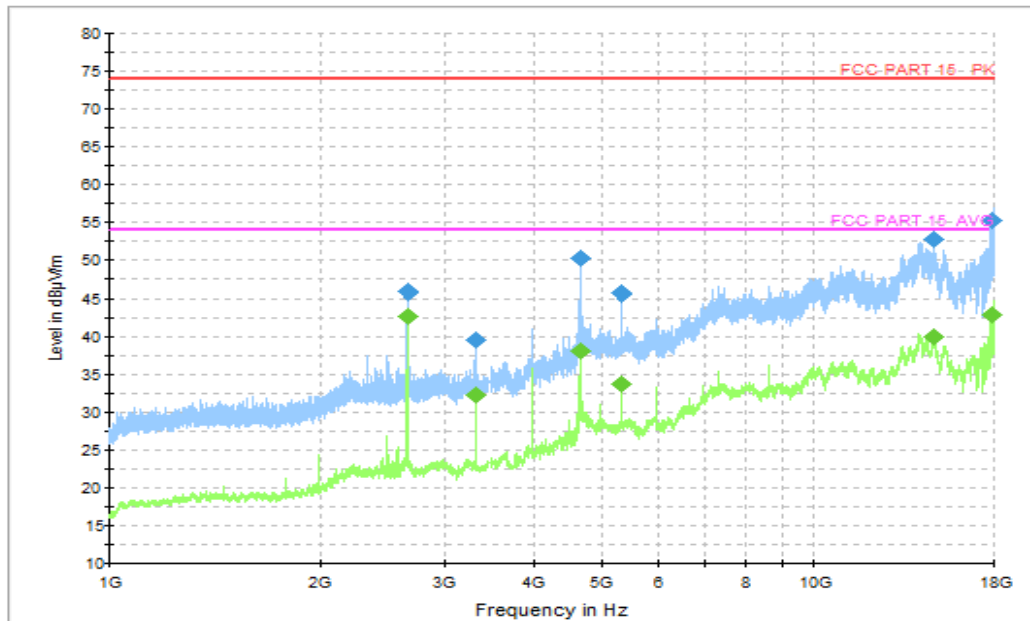


Figure A.1.2. Radiated Emission (Video Player , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	45.8	74.00	28.2	H	-15.4	61.20
3314.400000	39.6	74.00	34.4	V	-14.4	54
4646.400000	50.3	74.00	23.7	V	-8.2	58.50
5303.200000	45.5	74.00	28.5	V	-6.8	52.30
14800.000000	52.6	74.00	21.4	V	6.6	46
17860.000000	55.1	74.00	18.9	V	12.2	42.90

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2652.000000	42.7	54.00	11.3	H	-15.4	58.10
3314.400000	32.4	54.00	21.6	V	-14.4	46.8
4646.400000	38.1	54.00	15.9	V	-8.3	46.40
5303.200000	33.7	54.00	20.3	V	-6.8	40.50
14800.000000	40.0	54.00	14.0	V	6.5	33.5
17860.000000	42.8	54.00	11.2	V	12.2	30.60

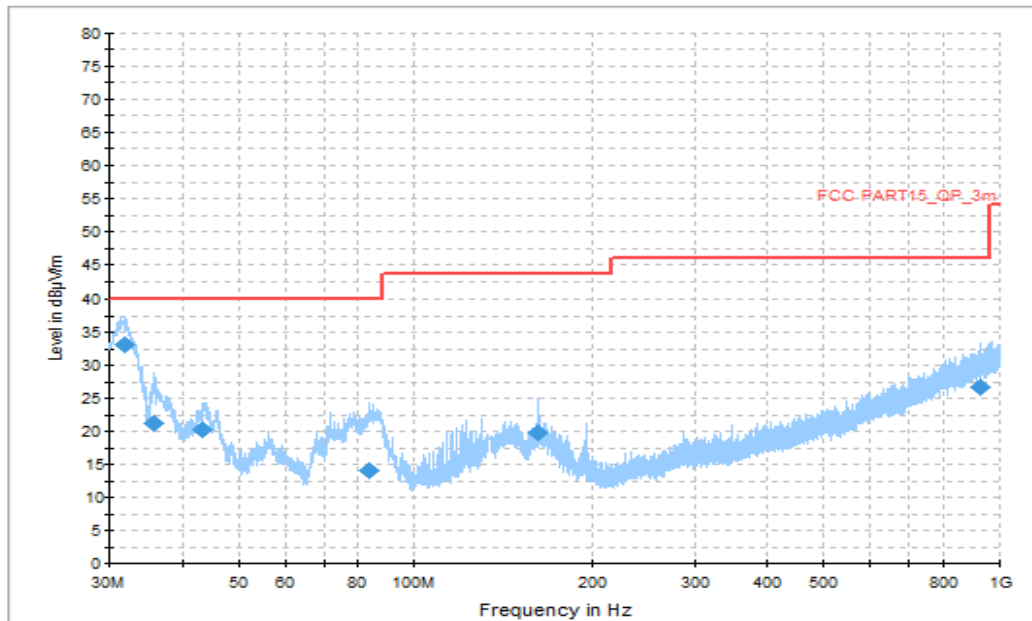


Figure A.1.3. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
31.891500	33.0	40.0	9.49	V	-23.5	56.50
35.868500	21.1	40.0	19.28	V	-22.9	44
43.386000	20.2	40.0	23.62	V	-22.0	42.20
83.883500	14.1	40.0	22.19	V	-26.8	40.90
161.968500	19.8	43.5	17.35	V	-23.0	42.8
928.414000	26.8	46.0	14.50	V	-9.2	36.00

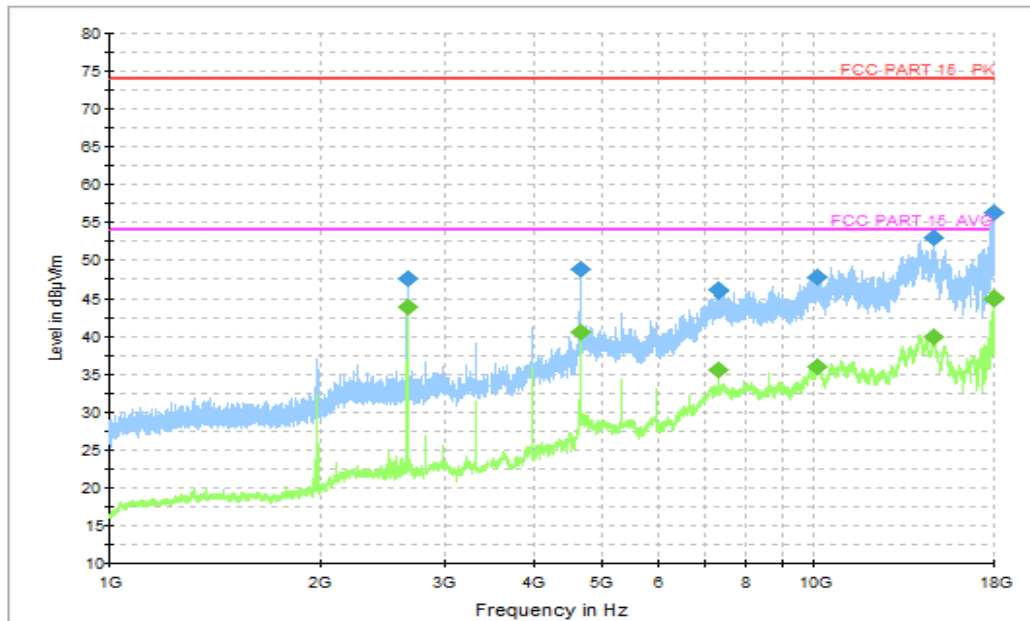


Figure A.1.4. Radiated Emission (Camera ,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2651.800000	47.5	74.00	26.5	H	-15.4	62.90
4641.600000	48.7	74.00	25.3	V	-8.3	57
7292.000000	46.0	74.00	28.0	V	-1.1	47.10
10076.000000	47.6	74.00	26.4	V	1.5	46.10
14789.000000	52.9	74.00	21.1	V	6.6	46.3
18000.000000	56.2	74.00	17.8	V	12.9	43.30

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2651.800000	43.9	54.00	10.1	H	-15.4	59.30
4641.600000	40.5	54.00	13.5	V	-8.3	48.8
7292.000000	35.6	54.00	18.4	V	-1.1	36.70
10076.000000	36.0	54.00	18.0	V	1.5	34.50
14789.000000	40.0	54.00	14.0	V	6.5	33.5
18000.000000	44.9	54.00	9.1	V	12.9	32.00

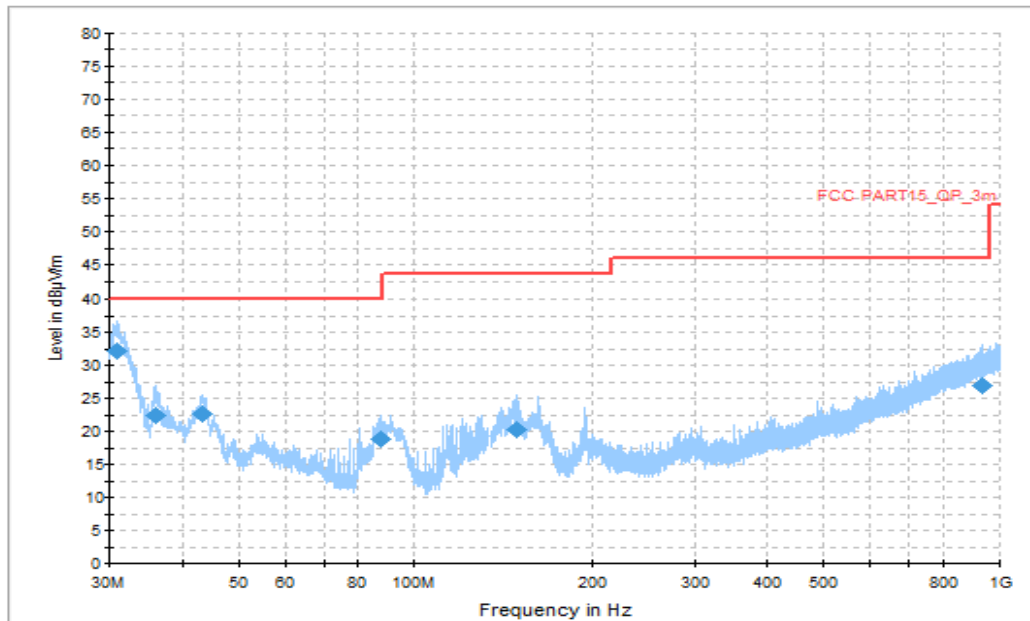


Figure A.1.5. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.921500	32.2	40.0	7.8	V	-23.6	55.80
36.111000	22.3	40.0	17.7	V	-22.8	45.1
43.434500	22.6	40.0	17.4	V	-22.0	44.60
87.521000	18.9	40.0	21.1	V	-26.8	45.70
148.340000	20.2	43.5	23.3	V	-22.8	43
935.640500	26.8	46.0	19.2	V	-9.1	35.90

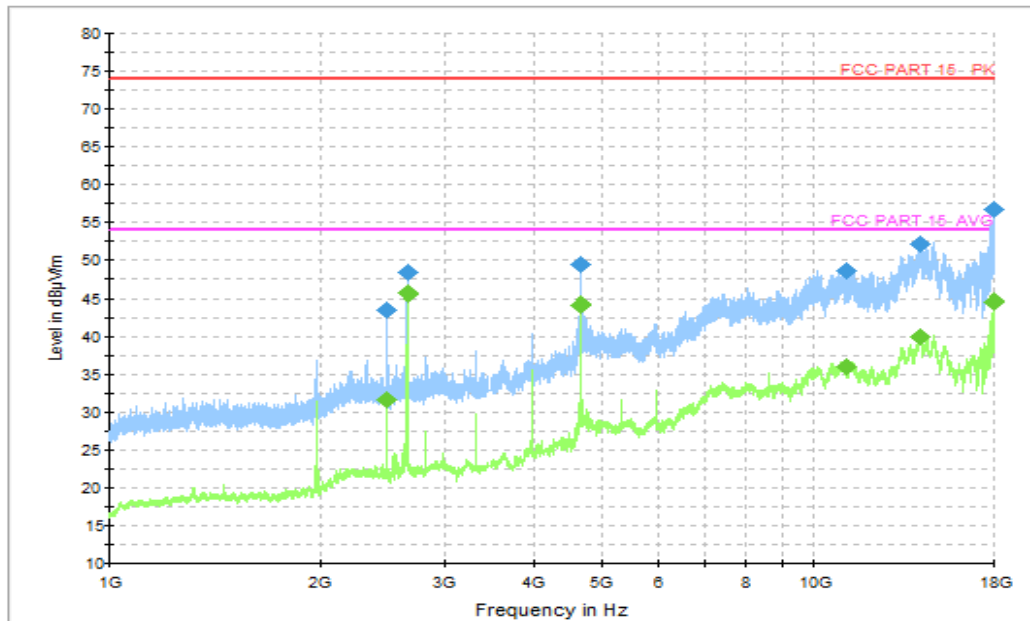


Figure A.1.6. Radiated Emission (Camera, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2486.200000	43.6	74.00	30.4	H	-15.7	59.30
2652.000000	48.4	74.00	25.6	H	-15.4	63.8
4640.800000	49.3	74.00	24.7	V	-8.3	57.60
11113.000000	48.5	74.00	25.5	H	2.6	45.90
14181.000000	52.0	74.00	22.0	H	7.1	44.9
17997.600000	56.7	74.00	17.3	H	12.9	43.80

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
2486.200000	31.6	54.00	22.4	H	-15.7	47.30
2652.000000	45.7	54.00	8.3	H	-15.4	61.1
4640.800000	44.2	54.00	9.8	V	-8.3	52.50
11113.000000	36.1	54.00	17.9	H	2.7	33.40
14181.000000	40.1	54.00	13.9	H	6.9	33.2
17997.600000	44.6	54.00	9.4	H	12.9	31.70

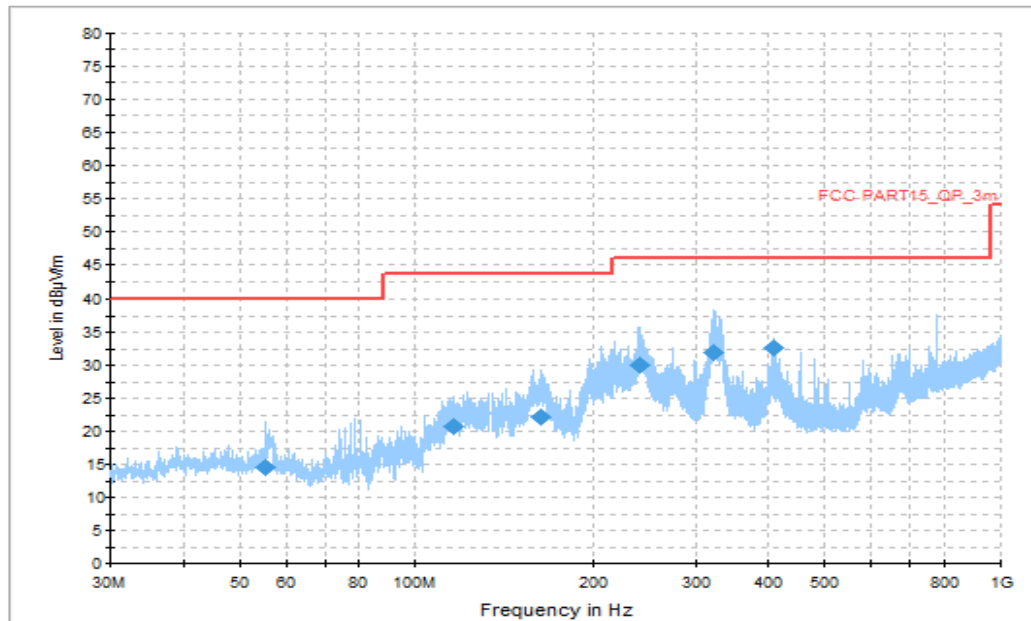


Figure A.1.7. Radiated Emission (Data Transfer : EUT to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
55.511000	14.5	40.0	25.5	V	-22.7	37.20
116.766500	20.6	43.5	22.9	V	-24.5	45.1
163.181000	22.2	43.5	21.3	H	-23.1	45.30
240.829500	30.0	46.0	16.0	H	-23.6	53.60
321.679000	32.0	46.0	14.0	H	-21.8	53.8
408.009000	32.7	46.0	13.4	V	-18.9	51.60

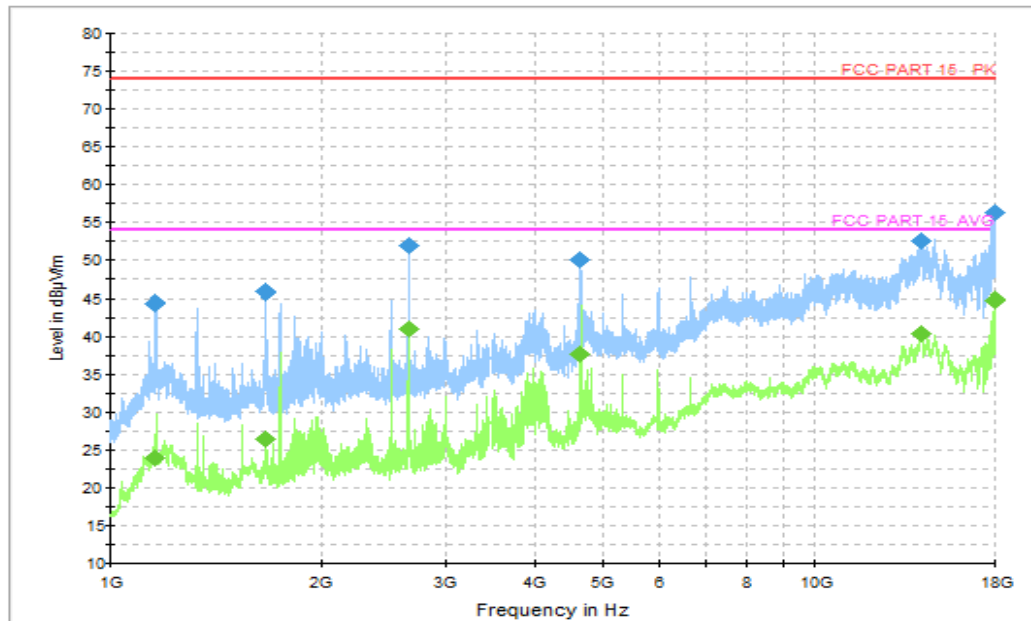


Figure A.1.8. Radiated Emission (Data Transfer : EUT to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1161.000000	44.5	74.00	29.5	V	-20.8	65.30
1660.000000	45.8	74.00	28.2	V	-19.8	65.6
2666.000000	51.9	74.00	22.1	V	-15.4	67.30
4636.000000	50.0	74.00	24.0	V	-8.4	58.40
14101.500000	52.6	74.00	21.4	H	6.5	46.1
17997.600000	56.2	74.00	17.8	V	12.9	43.30

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1161.000000	24.0	54.00	30.0	V	-20.8	44.80
1660.000000	26.5	54.00	27.5	V	-19.8	46.3
2666.000000	41.1	54.00	12.9	V	-15.4	56.50
4636.000000	37.7	54.00	16.3	V	-8.4	46.10
14101.500000	40.5	54.00	13.5	H	6.4	34.1
17997.600000	44.8	54.00	9.2	V	12.9	31.90

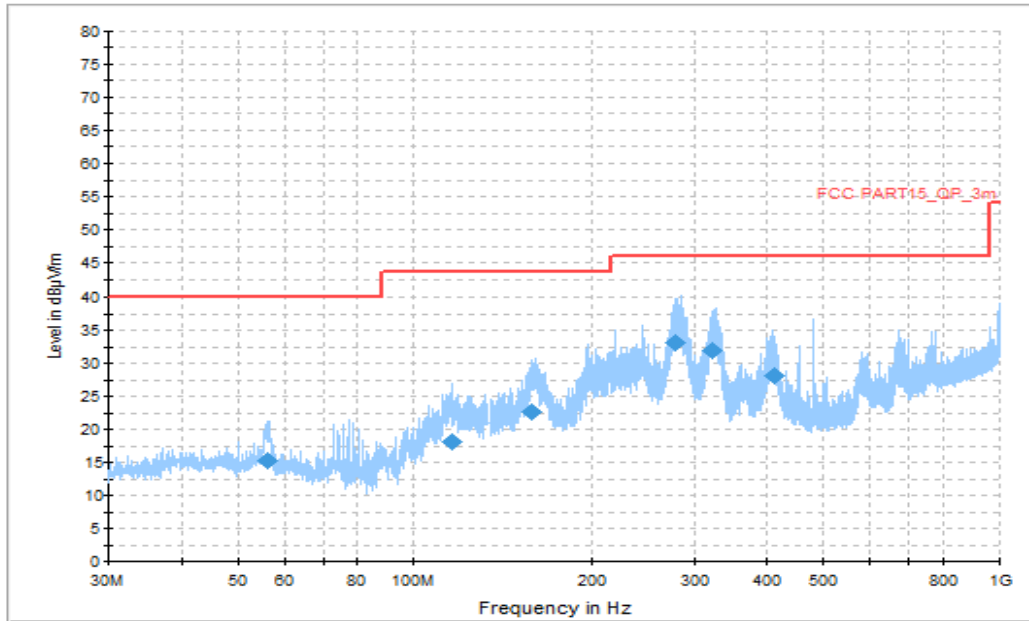


Figure A.1.9. Radiated Emission (Data Transfer : PC to EUT, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
56.141500	15.2	40.0	24.8	V	-22.7	37.90
116.136000	18.2	43.5	25.3	H	-24.5	42.7
157.943000	22.6	43.5	21.0	H	-22.8	45.40
279.290000	33.0	46.0	13.0	H	-22.1	55.10
321.485000	32.0	46.0	14.0	H	-21.8	53.8
410.094500	28.0	46.0	18.0	H	-18.9	53.8

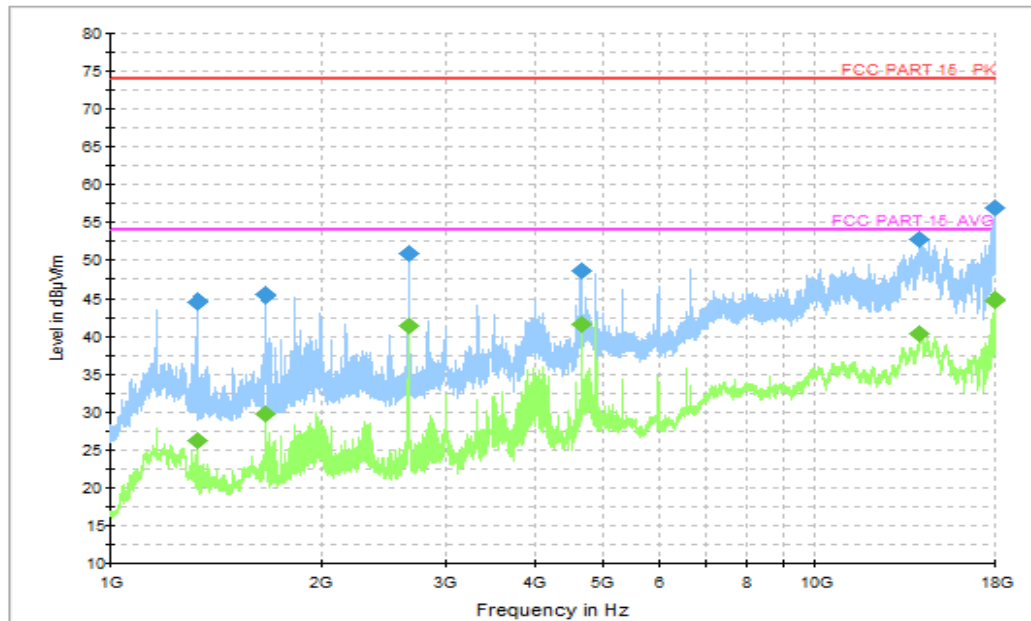


Figure A.1.10. Radiated Emission (Data Transfer : PC to EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1333.200000	44.6	74.00	29.4	V	-19.9	64.50
1664.600000	45.5	74.00	28.5	V	-19.8	65.3
2658.000000	50.7	74.00	23.3	V	-15.4	66.10
4640.800000	48.6	74.00	25.4	V	-8.3	56.90
14084.000000	52.8	74.00	21.2	H	6.4	46.4
17998.000000	56.9	74.00	17.1	H	12.9	44.00

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1333.200000	26.3	54.00	27.7	V	-19.9	46.20
1664.600000	29.7	54.00	24.3	V	-19.8	49.5
2658.000000	41.4	54.00	12.6	V	-15.4	56.80
4640.800000	41.6	54.00	12.4	V	-8.3	49.90
14084.000000	40.4	54.00	13.6	H	6.6	33.8
17998.000000	44.8	54.00	9.2	H	12.9	31.90

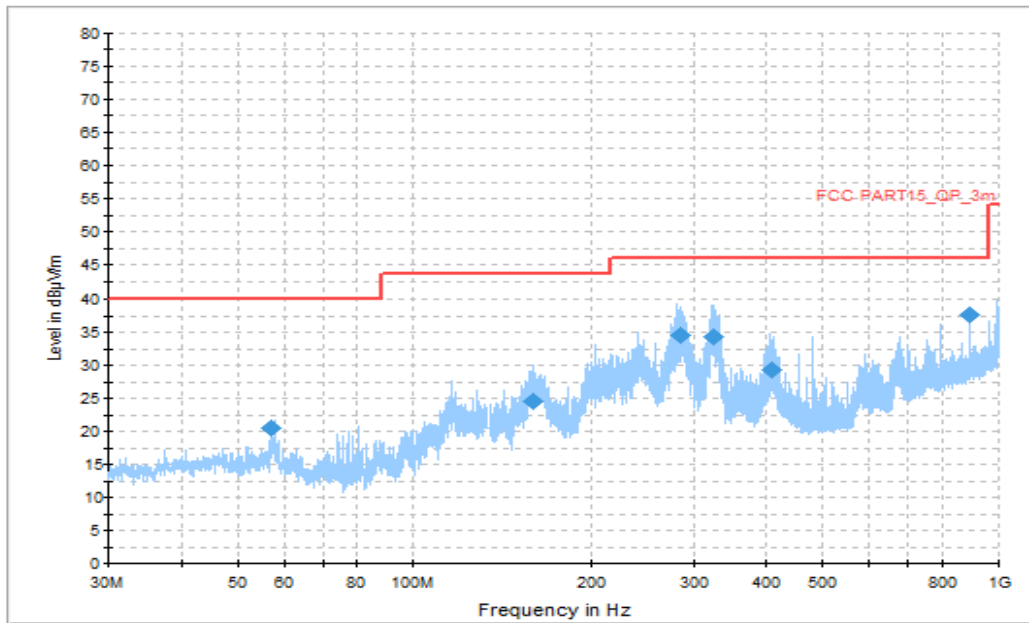


Figure A.1.11. Radiated Emission (Data Transfer : PC to TF Card, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
57.208500	20.6	40.0	19.4	V	-22.8	43.40
158.816000	24.6	43.5	19.0	V	-22.8	47.4
285.546500	34.5	46.0	11.5	H	-22.2	56.70
325.559000	34.2	46.0	11.9	H	-21.7	55.90
409.561000	29.3	46.0	16.7	H	-18.9	48.2
891.505500	37.7	46.0	8.3	H	-9.6	47.30

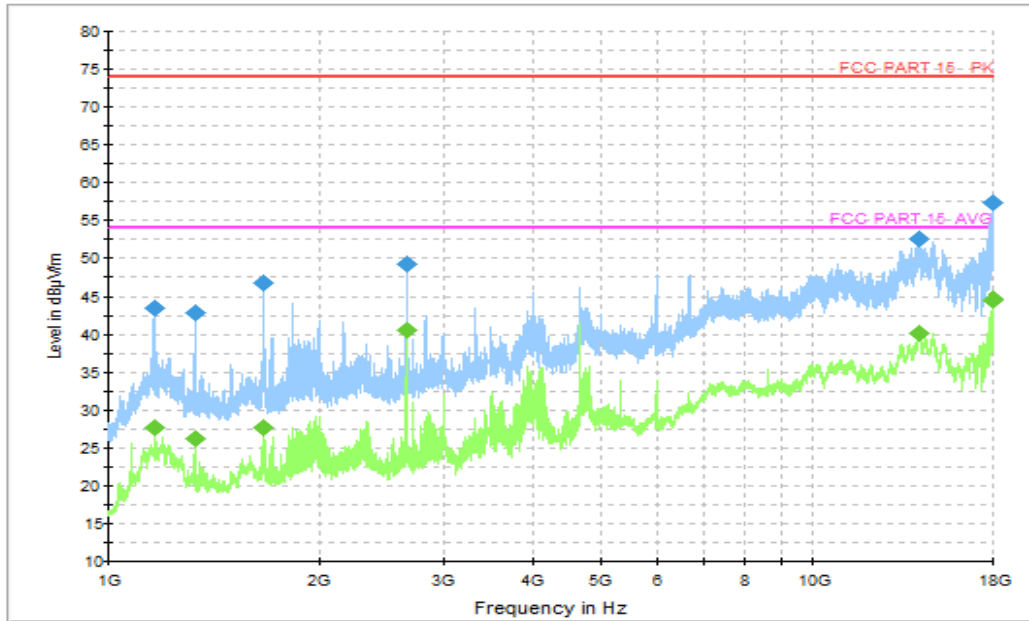


Figure A.1.12. Radiated Emission (Data Transfer : PC to TF Card, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1161.800000	43.6	74.00	30.4	V	-20.8	64.40
1327.600000	43.0	74.00	31.0	V	-19.9	62.9
1662.800000	46.7	74.00	27.3	V	-19.8	66.50
2654.200000	49.3	74.00	24.7	V	-15.4	64.70
14180.500000	52.4	74.00	21.6	V	7.1	45.3
18000.000000	57.4	74.00	16.6	H	12.9	44.50

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1161.800000	27.6	54.00	26.4	V	-20.8	48.40
1327.600000	26.2	54.00	27.8	V	-19.9	46.1
1662.800000	27.7	54.00	26.3	V	-19.8	47.50
2654.200000	40.7	54.00	13.3	V	-15.4	56.10
14180.500000	40.2	54.00	13.8	V	6.9	33.3
18000.000000	44.7	54.00	9.3	H	12.9	31.80

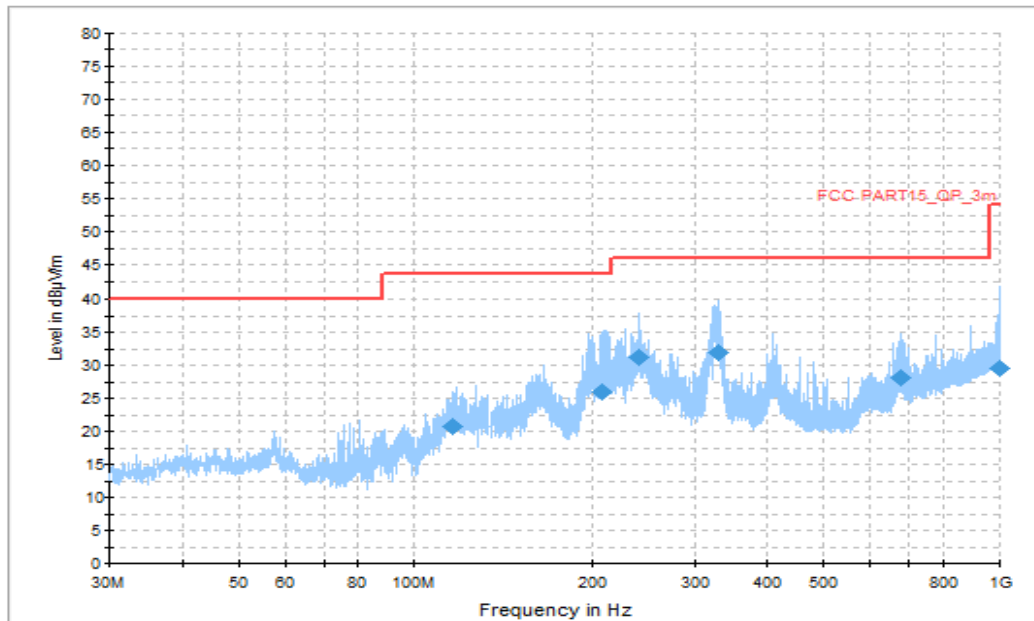


Figure A.1.13. Radiated Emission (Data Transfer : TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
116.669500	20.6	43.5	22.9	V	-24.5	45.10
208.334500	26.1	43.5	17.5	H	-25.4	51.5
240.005000	31.3	46.0	14.7	H	-23.6	54.90
330.312000	32.0	46.0	14.0	H	-21.5	53.50
674.274000	28.0	46.0	18.0	V	-13.7	41.7
999.515000	29.5	54.0	24.5	V	-7.9	37.40

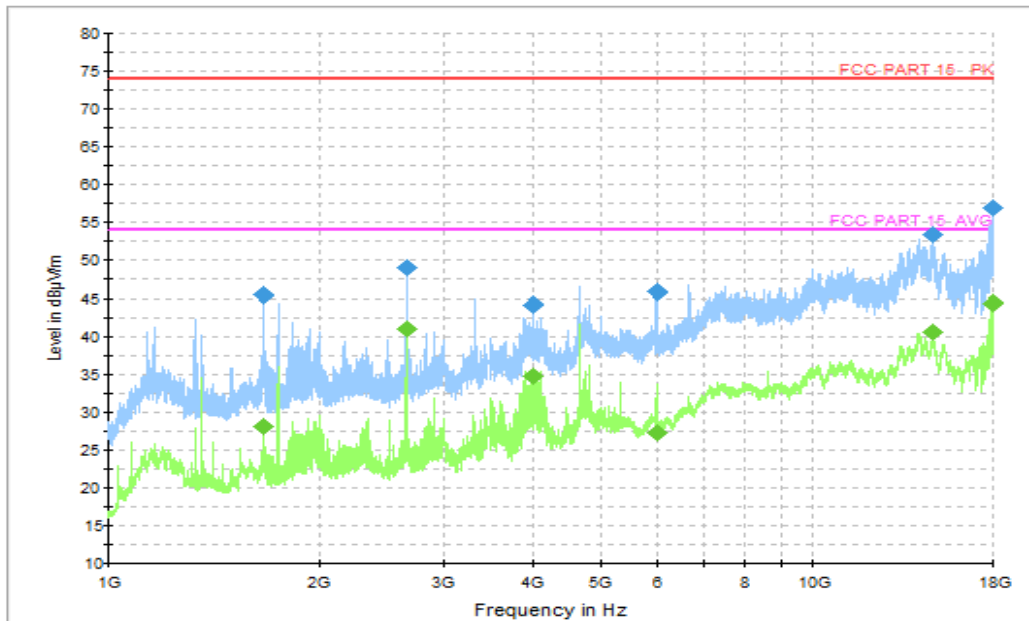


Figure A.1.14. Radiated Emission (Data Transfer : TF Card to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1662.600000	45.5	74.00	28.5	V	-19.8	65.30
2659.400000	48.9	74.00	25.1	V	-15.4	64.3
3993.600000	44.2	74.00	29.8	V	-11.7	55.90
6000.000000	45.9	74.00	28.1	V	-5.9	51.80
14814.000000	53.3	74.00	20.7	V	6.4	46.9
17998.400000	56.9	74.00	17.1	V	12.9	44.00

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1662.600000	28.1	54.00	25.9	V	-19.8	47.90
2659.400000	41.0	54.00	13.0	V	-15.4	56.4
3993.600000	34.8	54.00	19.2	V	-11.4	46.20
6000.000000	27.3	54.00	26.7	V	-5.7	33.00
14814.000000	40.5	54.00	13.5	V	6.5	34
17998.400000	44.4	54.00	9.6	V	12.9	31.50

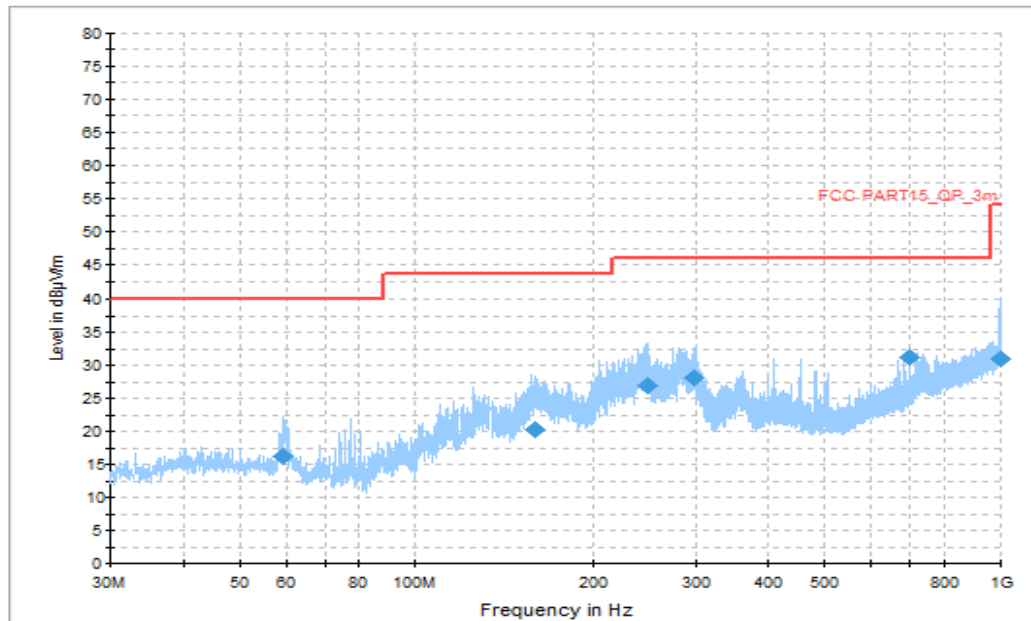


Figure A.1.15. Radiated Emission (Data Transfer : EUT TO PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
59.294000	16.2	40.0	23.8	V	-23.0	39.20
158.913000	20.2	43.5	23.3	H	-22.8	43.00
247.910500	26.8	46.0	19.2	H	-23.7	50.50
298.932500	28.1	46.0	18.0	H	-22.6	50.70
699.542500	31.1	46.0	14.9	H	-13.3	44.4
998.739000	30.9	54.0	23.0	V	-7.9	38.80

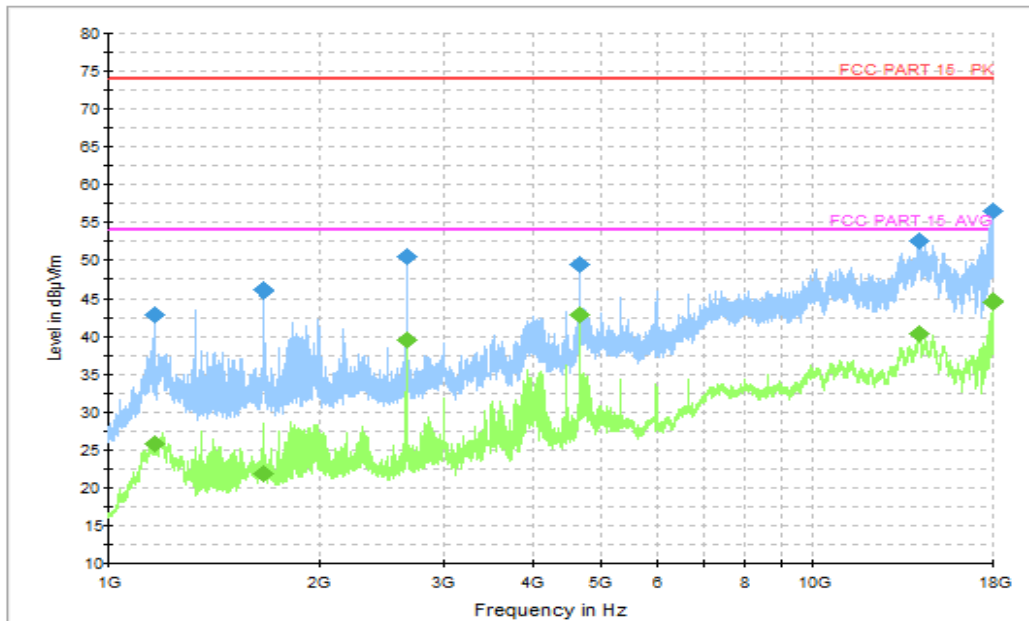


Figure A.1.16. Radiated Emission (Data Transfer : EUT TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1162.200000	42.9	74.00	-20.8	V	-20.8	63.70
1665.600000	46.1	74.00	-19.8	V	-19.8	65.90
2656.200000	50.4	74.00	-15.4	V	-15.4	65.80
4640.000000	49.3	74.00	-8.3	V	-8.3	57.60
14152.500000	52.4	74.00	6.9	H	6.9	45.5
17994.400000	56.4	74.00	12.9	V	12.9	43.50

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1162.200000	25.9	54.00	28.1	V	-20.8	46.70
1665.600000	21.8	54.00	32.2	V	-19.8	41.60
2656.200000	39.6	54.00	14.4	V	-15.4	55.00
4640.000000	42.9	54.00	11.1	V	-8.3	51.20
14152.500000	40.4	54.00	13.6	H	6.6	33.8
17994.400000	44.6	54.00	9.4	V	12.9	31.70

**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.

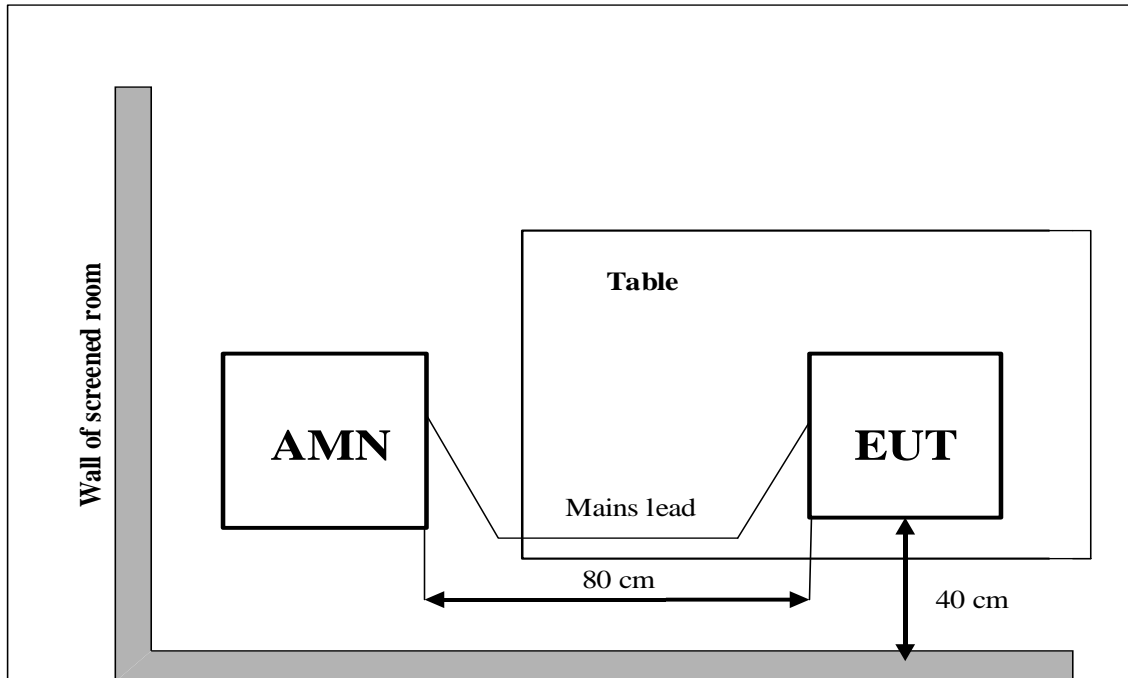
Meanwhile, the EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

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.

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
			UT05aa/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.

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.2.4	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.

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
			UT05aa/Set.4	
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.

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.2.6	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.

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.2.7	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
			UT05aa/Set.2	
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.

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.2.9	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.



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
			UT05aa/Set.4	
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.

AC Input Port/ Voltage: 120V/60Hz

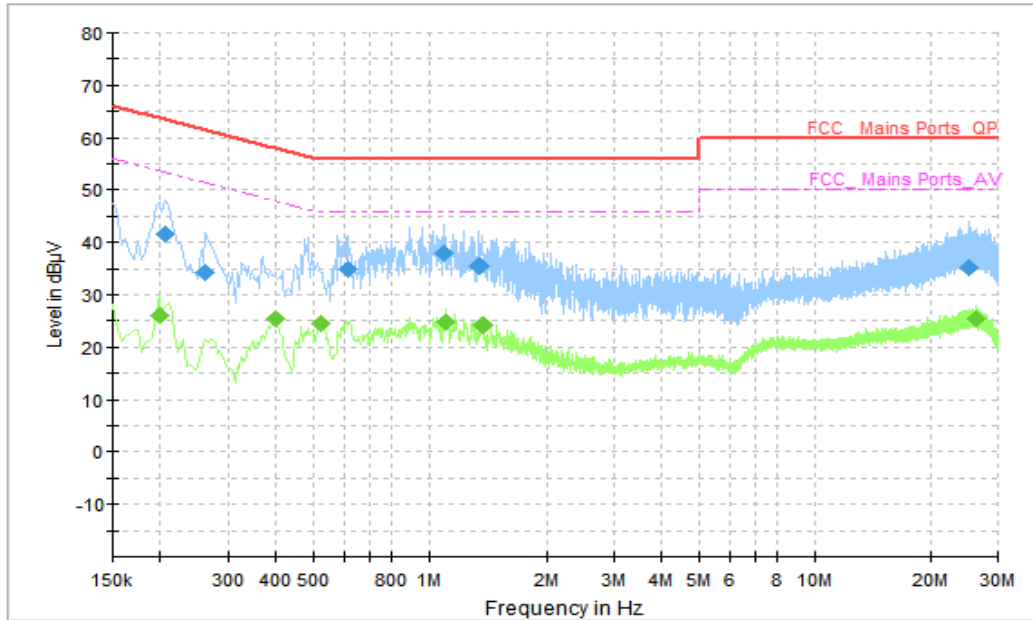


Figure A.2.1 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.206000	41.55	63.37	21.81	L1	10	31.55
0.262000	34.20	61.37	27.16	N	10	24.20
0.614000	34.94	56.00	21.06	N	10	24.94
1.094000	37.89	56.00	18.11	N	10	27.89
1.350000	35.35	56.00	20.65	N	10	25.35
25.338000	35.07	60.00	24.93	N	10	25.07

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.198000	26.16	53.69	27.53	N	10	16.16
0.398000	25.43	47.90	22.47	L1	10	15.43
0.522000	24.45	46.00	21.55	L1	10	14.45
1.102000	24.87	46.00	21.13	N	10	14.87
1.370000	24.08	46.00	21.92	N	10	14.08
26.350000	25.28	50.00	24.72	N	10	15.28

AC Input Port/ Voltage: 120V/60Hz

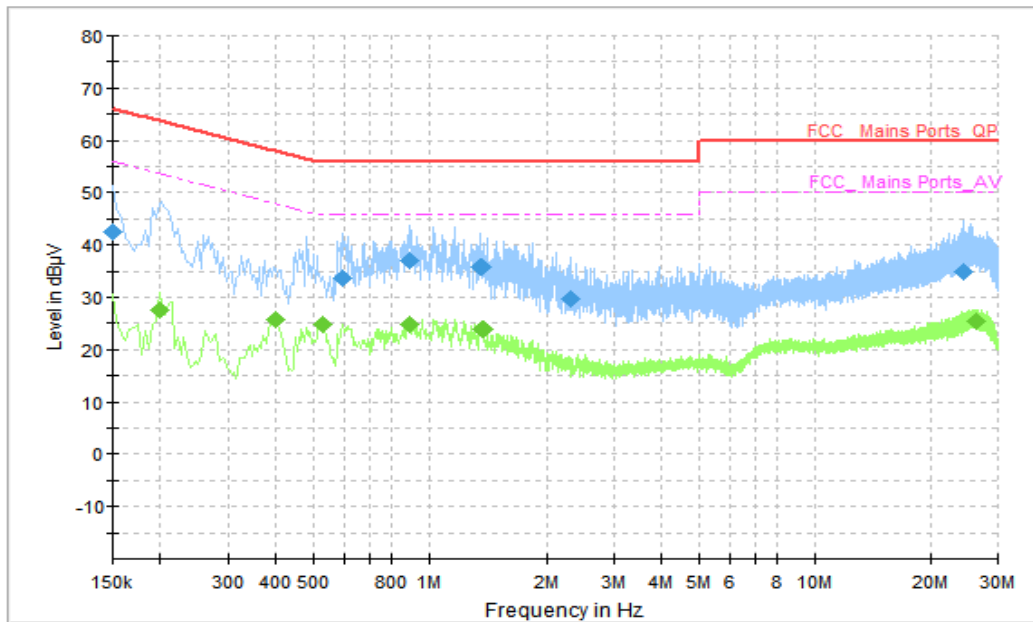


Figure A.2.2 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	42.56	66.00	23.44	L1	10	32.56
0.598000	33.57	56.00	22.43	N	10	23.57
0.886000	36.91	56.00	19.09	N	10	26.91
1.366000	35.94	56.00	20.06	N	10	25.94
2.322000	29.83	56.00	26.17	N	10	19.83
24.502000	34.79	60.00	25.21	N	10	24.79

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.198000	27.43	53.69	26.27	N	10	17.43
0.398000	25.75	47.90	22.15	L1	10	15.75
0.530000	24.78	46.00	21.22	L1	10	14.78
0.894000	24.73	46.00	21.27	N	10	14.73
1.374000	23.95	46.00	22.05	N	10	13.95
26.206000	25.51	50.00	24.49	N	10	15.51

AC Input Port/ Voltage: 120V/60Hz

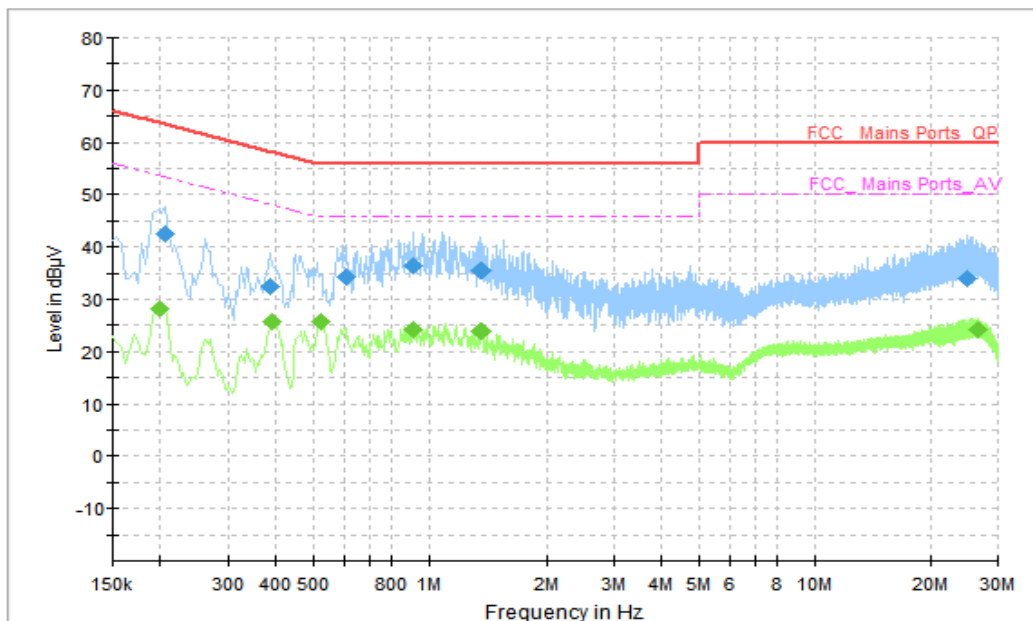


Figure A.2.3 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.206000	42.43	63.37	20.94	L1	10	32.43
0.386000	32.37	58.15	25.78	N	10	22.37
0.610000	34.35	56.00	21.65	N	10	24.35
0.906000	36.34	56.00	19.66	N	10	26.34
1.366000	35.52	56.00	20.48	N	10	25.52
24.998000	33.95	60.00	26.05	N	10	23.95

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.198000	28.19	53.69	25.51	L1	10	18.19
0.390000	25.68	48.06	22.38	L1	10	15.68
0.522000	25.82	46.00	20.18	L1	10	15.82
0.910000	24.20	46.00	21.80	N	10	14.20
1.366000	23.87	46.00	22.13	N	10	13.87
26.542000	24.23	50.00	25.77	N	10	14.23

AC Input Port/ Voltage: 120V/60Hz

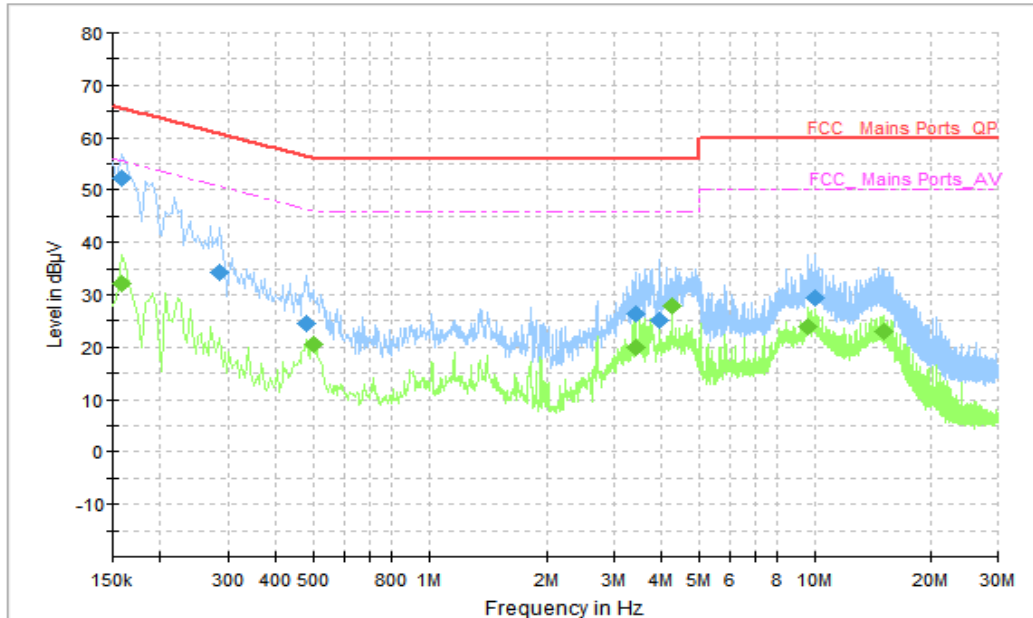


Figure A.2.4 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	52.36	65.57	13.21	L1	10	42.36
0.286000	34.37	60.64	26.27	L1	10	24.37
0.478000	24.39	56.37	31.98	L1	10	14.39
3.406000	26.34	56.00	29.66	L1	10	16.34
3.942000	25.07	56.00	30.93	N	10	15.07
10.014000	29.31	60.00	30.69	L1	10	19.31

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	32.26	55.57	23.31	L1	10	22.26
0.498000	20.64	46.03	25.39	N	10	10.64
3.402000	20.04	46.00	25.96	L1	10	10.04
4.258000	27.90	46.00	18.10	L1	10	17.90
9.638000	23.90	50.00	26.10	L1	10	13.9
15.146000	23.04	50.00	26.96	N	10	13.04

AC Input Port/ Voltage: 120V/60Hz

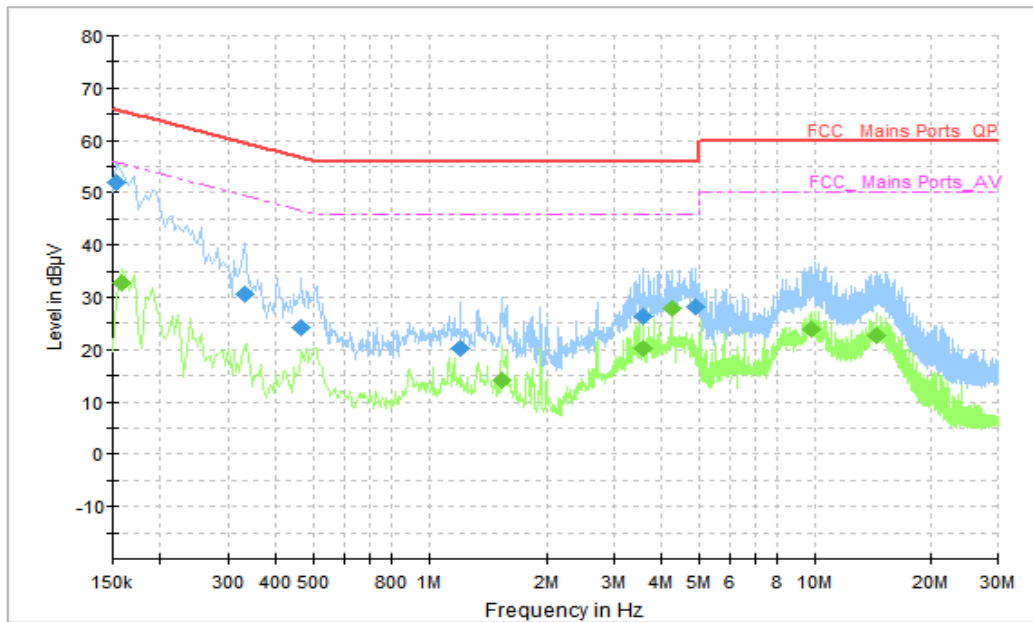


Figure A.2.5 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.154000	51.91	65.78	13.87	L1	10	41.91
0.330000	30.63	59.45	28.82	N	10	20.63
0.466000	24.13	56.59	32.45	L1	10	14.13
1.206000	20.14	56.00	35.86	N	10	10.14
3.566000	26.44	56.00	29.56	L1	10	16.44
4.902000	28.18	56.00	27.82	L1	10	18.18

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	32.76	55.57	22.81	N	10	22.76
1.534000	14.03	46.00	31.97	N	10	4.03
3.566000	20.19	46.00	25.81	L1	10	10.19
4.258000	27.83	46.00	18.17	L1	10	17.83
9.802000	23.95	50.00	26.05	L1	10	13.95
14.434000	22.72	50.00	27.28	N	10	12.72

AC Input Port/ Voltage: 240V/60Hz

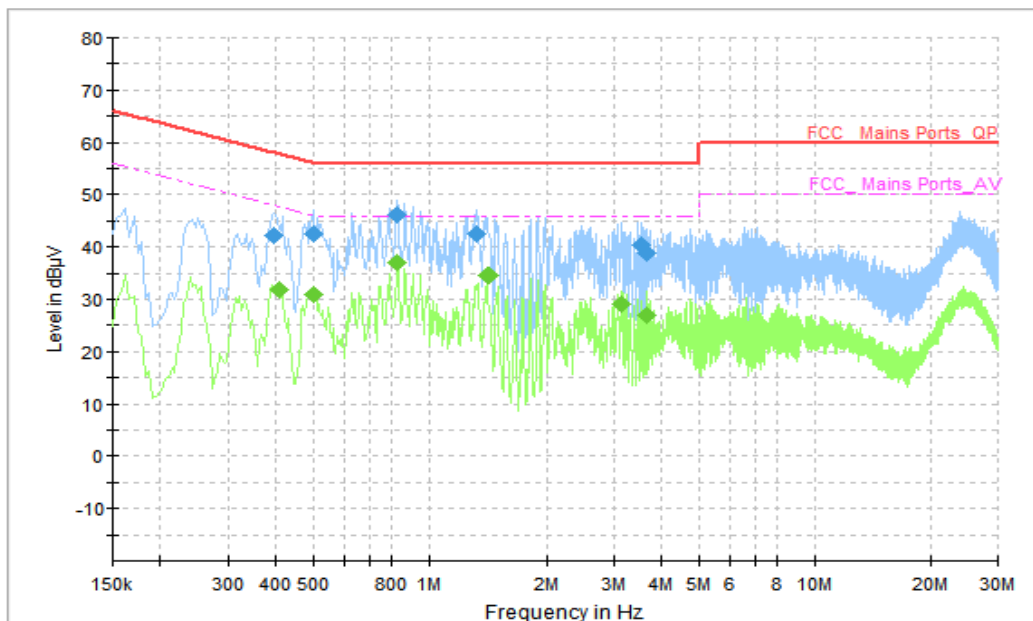


Figure A.2.6 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.394000	42.34	57.98	15.64	N	10	32.34
0.498000	42.40	56.03	13.63	N	10	32.40
0.826000	46.20	56.00	9.80	N	10	36.20
1.326000	42.38	56.00	13.62	N	10	32.38
3.550000	40.45	56.00	15.55	N	10	30.45
3.634000	38.97	56.00	17.03	N	10	28.97

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.406000	31.93	47.73	15.80	N	10	21.93
0.498000	31.03	46.03	15.01	N	10	21.03
0.826000	37.14	46.00	8.86	N	10	27.14
1.414000	34.64	46.00	11.36	N	10	24.64
3.150000	28.98	46.00	17.02	N	10	18.98
3.634000	26.99	46.00	19.01	N	10	16.99

AC Input Port/ Voltage: 240V/60Hz

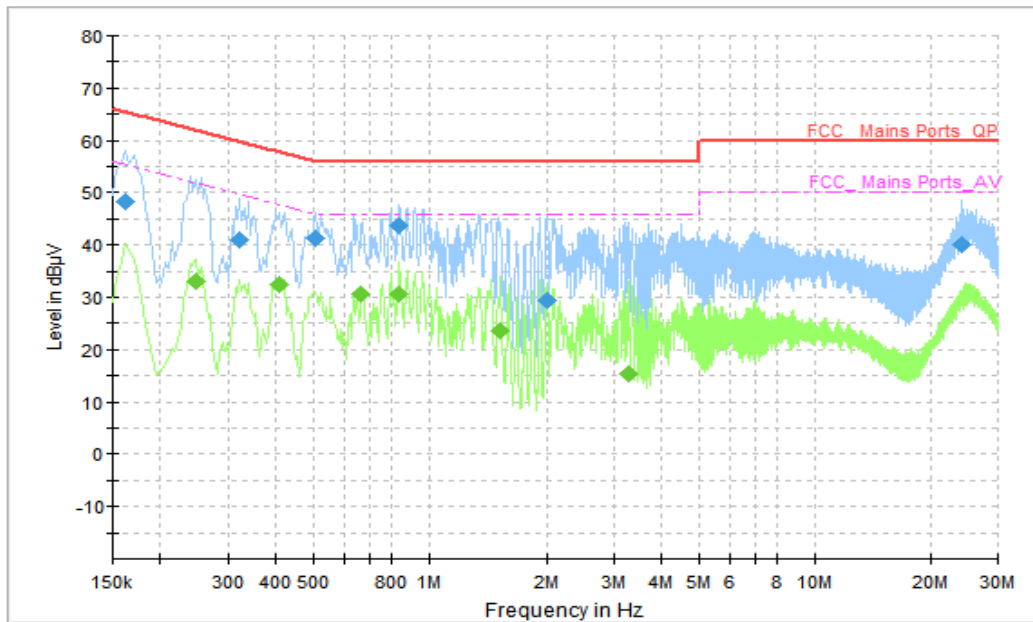


Figure A.2.7 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.162000	48.28	65.36	17.08	N	10	38.28
0.322000	40.85	59.66	18.80	N	10	30.85
0.506000	41.26	56.00	14.74	N	10	31.26
0.834000	43.68	56.00	12.32	N	10	33.68
2.014000	29.40	56.00	26.60	N	10	19.4
24.138000	39.99	60.00	20.01	N	10	29.99

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.246000	32.96	51.89	18.93	N	10	22.96
0.406000	32.46	47.73	15.27	N	10	22.46
0.666000	30.54	46.00	15.46	N	10	20.54
0.838000	30.56	46.00	15.44	N	10	20.56
1.514000	23.47	46.00	22.53	N	10	13.47
3.274000	15.26	46.00	30.74	N	10	5.26

AC Input Port/ Voltage: 240V/60Hz

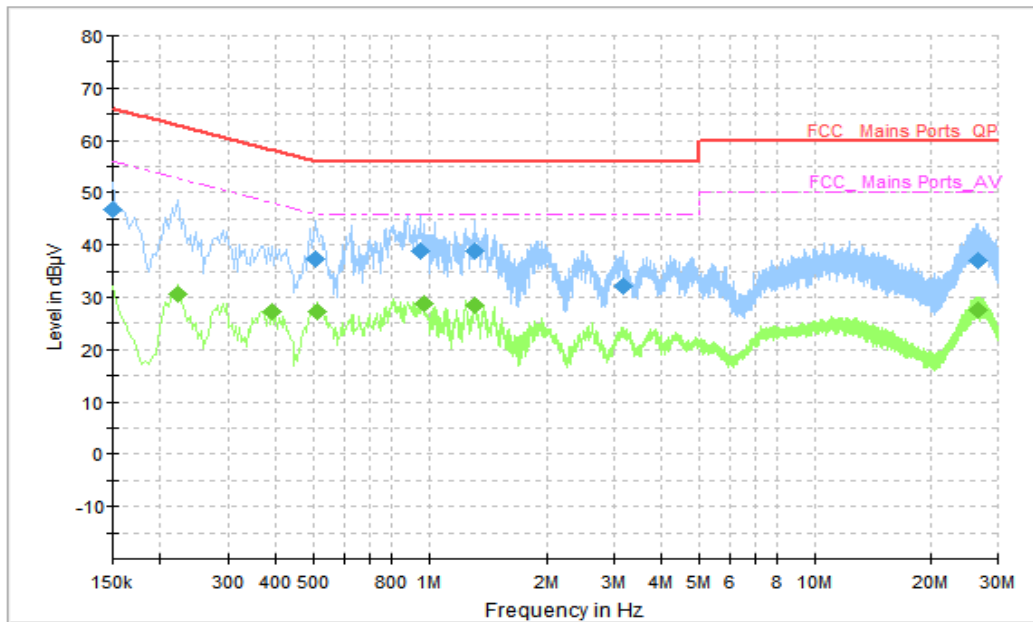


Figure A.2.8 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	46.81	66.00	19.19	N	10	36.81
0.506000	37.39	56.00	18.61	N	10	27.39
0.950000	38.88	56.00	17.12	N	10	28.88
1.318000	38.91	56.00	17.09	N	10	28.91
3.154000	32.01	56.00	23.99	N	10	22.01
26.670000	36.99	60.00	23.01	N	10	26.99

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.222000	30.55	52.74	22.19	L1	10	20.55
0.390000	27.39	48.06	20.67	L1	10	17.39
0.514000	27.19	46.00	18.81	L1	10	17.19
0.966000	28.66	46.00	17.34	N	10	18.66
1.318000	28.43	46.00	17.57	N	10	18.43
26.482000	27.71	50.00	22.29	N	10	17.71

AC Input Port/ Voltage: 240V/60Hz

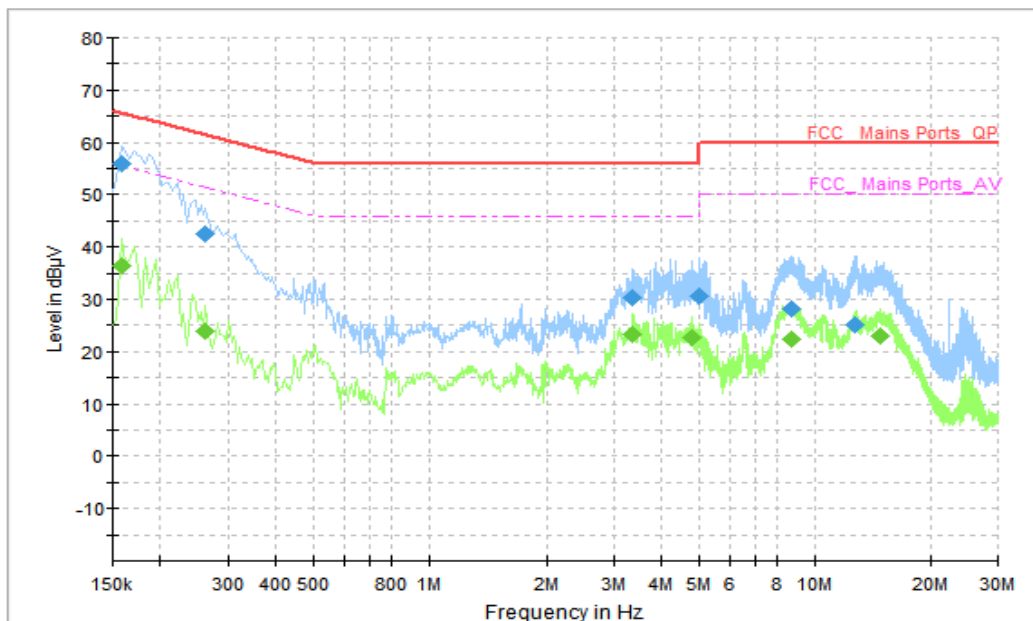


Figure A.2.9 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	55.99	65.57	9.58	N	10	45.99
0.262000	42.51	61.37	18.86	N	10	32.51
3.342000	30.20	56.00	25.80	L1	10	20.20
4.986000	30.74	56.00	25.26	L1	10	20.74
8.658000	28.21	60.00	31.79	N	10	18.21
12.686000	25.17	60.00	34.83	N	10	15.17

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	36.52	55.57	19.05	L1	10	26.52
0.262000	23.89	51.37	27.48	L1	10	13.89
3.354000	23.33	46.00	22.67	L1	10	13.33
4.770000	22.65	46.00	23.35	N	10	12.65
8.670000	22.50	50.00	27.50	N	10	12.5
14.750000	22.95	50.00	27.05	N	10	12.95

AC Input Port/ Voltage: 240V/60Hz

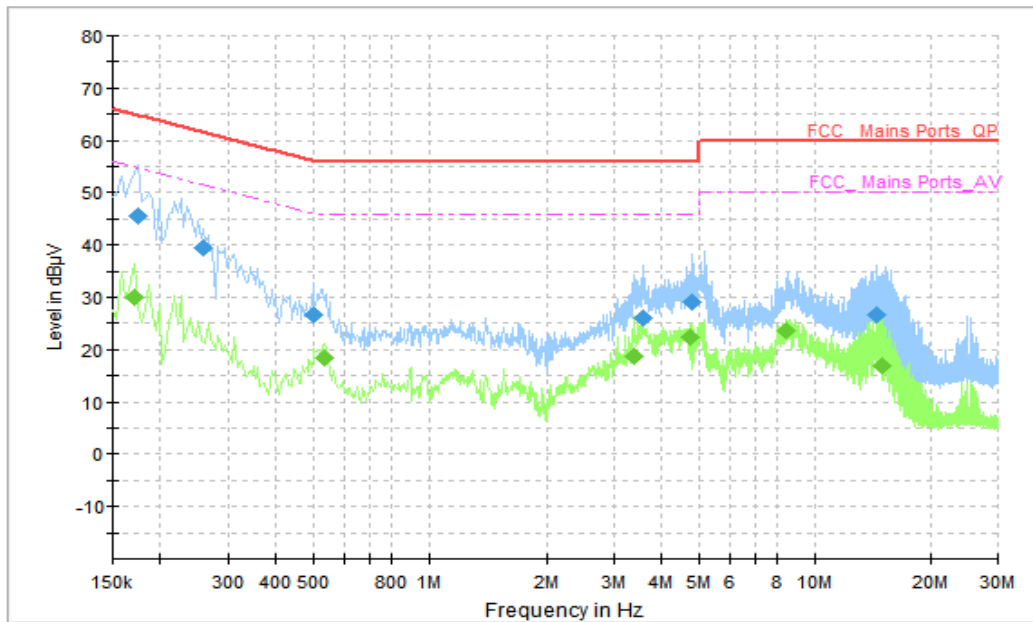


Figure A.2.10 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.174000	45.57	64.77	19.20	N	10	35.57
0.258000	39.41	61.50	22.08	L1	10	29.41
0.498000	26.52	56.03	29.51	N	10	16.52
3.570000	26.13	56.00	29.87	N	10	16.13
4.774000	29.05	56.00	26.95	N	10	19.05
14.498000	26.78	60.00	33.22	L1	10	16.78

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	29.92	54.96	25.04	N	10	19.92
0.534000	18.54	46.00	27.46	N	10	8.54
3.366000	18.57	46.00	27.43	L1	10	8.57
4.714000	22.29	46.00	23.71	N	10	12.29
8.458000	23.56	50.00	26.44	L1	10	13.56
14.898000	16.81	50.00	33.19	N	10	6.81

END OF REPORT