TEST REPORT

No.I22N02497-EMC

for

TCL Communication Ltd.

LTE/WCDMA/GSM mobile phone

Model Name：T311A

With

Hardware Version: V00

Software Version: T311A_OFCO_1SIM_V1.0_20221208_UNLOCK

FCC ID: 2ACCJB196

Issued Date: 2023-01-05

Designation Number: CN1210

Note:

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

Test Laboratory:

SAICT, Shenzhen Academy of Information and Communications Technology

Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China. 518000.

Tel:+86(0)755-33322000, Fax:+86(0)755-33322001

Email: yewu@caict.ac.cn. www.saict.ac.cn

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22N02497-EMC	Rev.0	1st edition	2023-01-05

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

CONTENTS

1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	LTE/WCDMA/GSM mobile phone
Model Name	T311A
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

FCC Part 15, Subpart B (10-1-2021 Edition); ANSI C63.4-2014.

1.3. Test Result

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

1.4. Testing Location

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

1.5. Project data

Testing Start Date: 2022-12-12 Testing End Date: 2022-12-26

1.6. Signature

Huang Yuqing
(Prepared this test report)

Liang Yong
(Reviewed this test report)

Cao Junfei
(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant 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	Annie Jiang
Email	nianxiang.jiang@tcl.com
Tel.	+86 755 3661 1621
Fax	/

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	Annie Jiang
Email	nianxiang.jiang@tcl.com
Tel.	+86 755 3661 1621
Fax	/

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

3.1. About EUT

Description	LTE/WCDMA/GSM mobile phone
Model Name	T311A
FCC ID	2ACCJB196
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
UT03aa	353167580000669	V00	T311A_OFCO_1SIM_V1.0_20221208_UNLOCK	2022-12-09
UT04aa	353167580000636	V00	T311A_OFCO_1SIM_V1.0_20221208_UNLOCK	2022-12-09

*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	TLi010CA
Manufacturer	ZhongShan Tianmao Battery Co., Ltd.
Capacity	1030mAh
Nominal Voltage	3.7 V

AE2

Model	XT-252A-5055
Manufacturer	ShenZhen BaiJunDa Electronics Co., Ltd.
Specification	American Standard Charger

AE3

Model	Ca01
Manufacturer	/

AE4

Model	JWEP1259-M01R
Manufacturer	Huizhou Juwei Electronics Co., Ltd.

* AE ID: is used to identify the test sample in the lab internally.
AE: ancillary equipment
AE3: Just for testing.

3.4. EUT Set-ups

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

3.5. General Description

The Equipment Under Test (EUT) is a model of LTE/WCDMA/GSM mobile phone with internal antenna.

Frequency Bands GSM 850/1900MHz, WCDMA Bands 2/4/5, LTE Bands 2/4/5/7/13,

It has MP3, FM Receiver, Camera, USB memory and Bluetooth functions.

It consists of normal options: Battery, Charger 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	(10-1-2021 Edition)
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

5. LABORATORY ENVIRONMENT

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

Temperature	Min. = 15 ˚C, Max. = 35 ˚C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2MΩ
Ground system resistance	< 4Ω
Normalised site attenuation (NSA)	< ±4 dB, 3 m distance, from 30 to 1000 MHz
Voltage Standing Wave Ratio （VSWR）	≤ 6 dB, from 1 to 18 GHz，3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

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

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

6. SUMMARY OF TEST RESULTS

6.1. Testing Environment

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

6.2. Summary of Measurement Results

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

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

6.3. Statement

6.3.1 Statements of conformity

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

7. MEASUREMENT UNCERTAINTY

Test item	Frequency ranges	Measurement uncertainty
Radiated Emission	30MHz-1GHz	4.86dB(*k*=2)
	1GHz-18GHz	4.82dB(*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	2023.11.23	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	2025.04.17	3 years
6.	LISN	ENV216	102067	R&S	2023.07.14	1 year
7.	Anechoic Chamber	FACT3-2.0	1285	ETS-Lindgren	2023.05.29	2 years
8.	Software	EMC32	V10.50.40	R&S	/	/
9.	Universal Radio Communication Tester	CMU200	114545	R&S	2023.01.12	1 year
10.	Universal Radio Communication Tester	CMW500	152499	R&S	2023.07.14	1 year
11.	Signal Generator	SMB100A	179725	R&S	2023.11.23	1 year

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.

GSM receiver: The EUT is connected to a charger for charging. The EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

WCDMA receiver: The EUT is connected to a charger for charging. The EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

LTE receiver: The EUT is connected to a charger for charging. 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 contains the receivers which tune and operate between 30MHz-960MHz in the following bands:

GSM850MHz, WCDMA Band5, LTE Band 5, LTE Band 13.

The EUT was tested while operating in licensed band receiver mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in Section 3.1, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions. For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Y plane) were recorded in this report.

A.1.3 Measurement Limit

Limit from Part 15.109(a)

Frequency range (MHz)	Field strength limit (μV/m)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

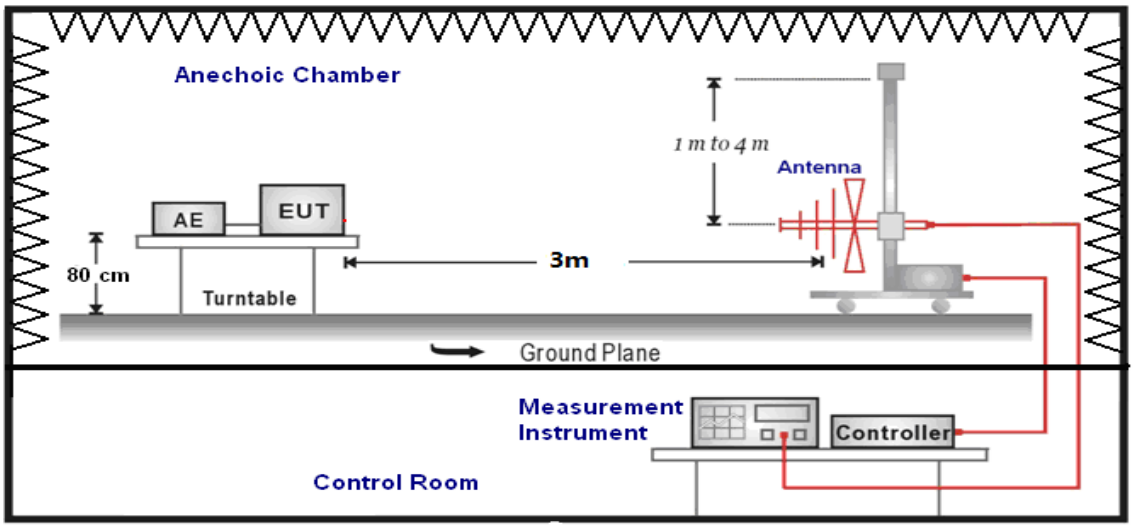
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

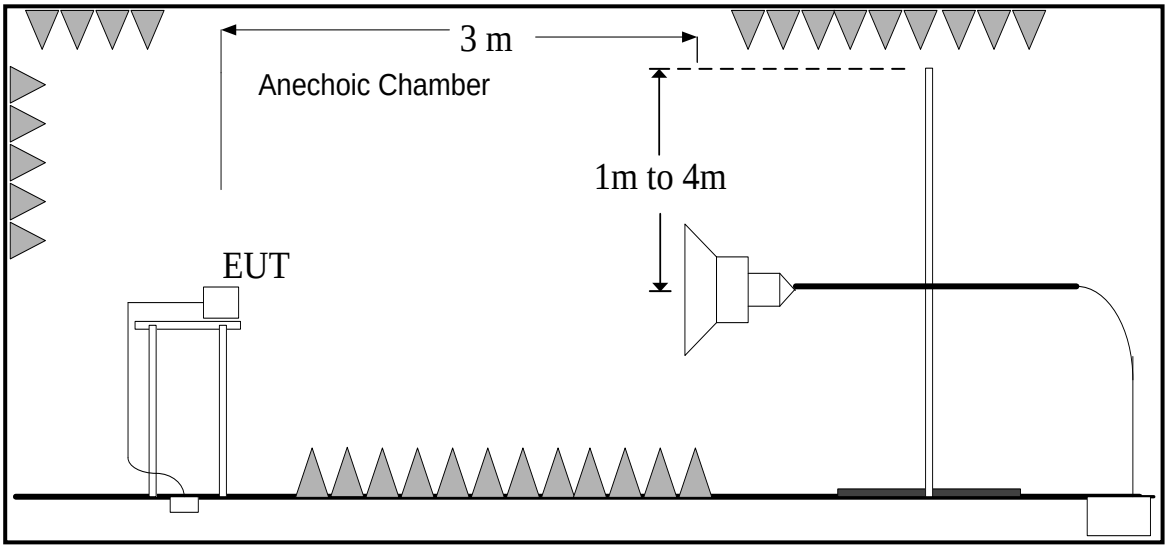
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

A.1.5 Test set-up:

30MHz-1GHz



1GHz-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:

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

Where

G_A: Antenna factor of receive antenna

G_{PL}:PathLoss

P_{Mea}: Measurement result on receiver.

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

Note: the result contains vertical part and Horizontal part

Camera

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m)	Conclusion
		UT03aa/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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m)	Conclusion
			UT03aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.2.	P

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.3.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.4.	P

FM Receiver

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.6.	P

GSM receiver 850MHz

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.7.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.8.	P

WCDMA receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.10.	P

LTE receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.11.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.12.	P

LTE receiver Band 13

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.14.	P

Data Transfer: PC TO TF Card

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.2	Conclusion
30-88	40.00	See Figure A.1.15.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.16.	P

Data Transfer: TF Card TO PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.2	Conclusion
30-88	40.00	See Figure A.1.17.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT03aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.18.	P

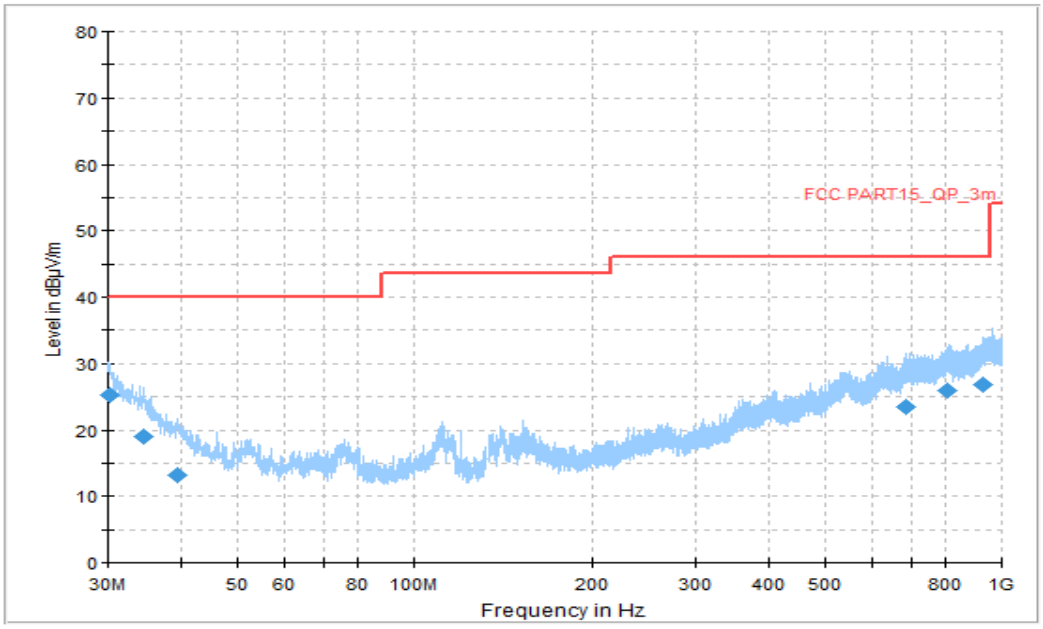


Figure A.1.1. Radiated Emission (Camera, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.269444	25.28	40.00	14.72	V	-12	37.28
34.634444	19.09	40.00	20.91	V	-14	33.09
39.376667	13.11	40.00	26.89	V	-17	30.11
684.534444	23.45	46.02	22.57	V	-1	24.45
806.107778	26.02	46.02	20.00	H	1	25.02
931.507222	26.78	46.02	19.24	V	2	24.78

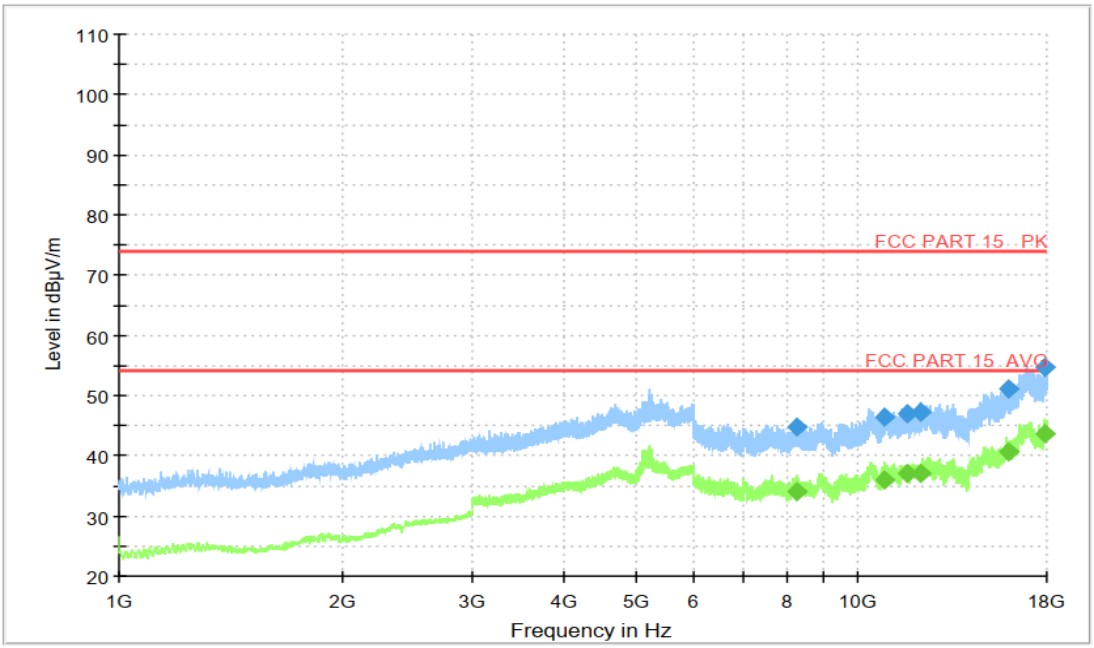


Figure A.1.2. Radiated Emission (Camera, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8238.461539	44.76	74.00	29.36	V	5.9	38.86
10871.076923	46.44	74.00	27.68	V	9.3	37.14
11638.153846	47.08	74.00	27.04	H	9.9	37.18
12171.692308	47.26	74.00	26.86	V	10.7	36.56
15953.076923	51.05	74.00	23.07	V	14.1	36.95
17914.615385	54.70	74.00	19.42	V	18.9	35.80

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8238.461539	33.94	54.00	20.06	V	5.9	28.04
10871.076923	35.72	54.00	18.28	V	9.3	26.42
11638.153846	36.92	54.00	17.08	H	9.9	27.02
12171.692308	36.81	54.00	17.19	V	10.7	26.11
15953.076923	40.53	54.00	13.47	V	14.1	26.43
17914.615385	43.59	54.00	10.41	V	18.9	24.69

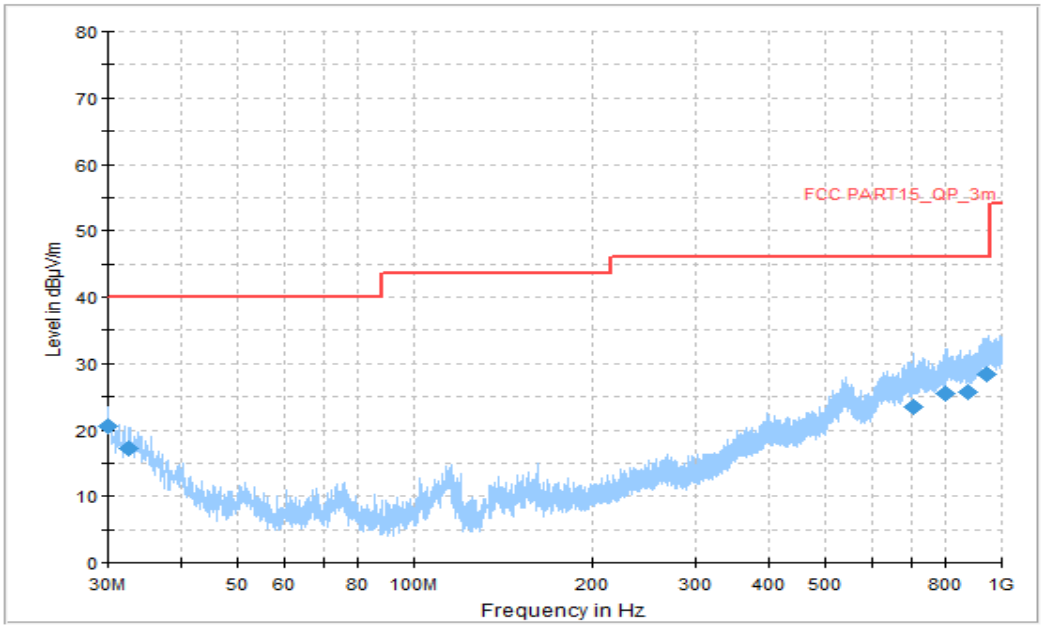


Figure A.1.3. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.053889	20.55	40.00	19.45	V	-11	31.55
32.640556	17.19	40.00	22.81	V	-13	30.19
705.766667	23.50	46.02	22.52	H	-1	24.50
802.551111	25.43	46.02	20.59	H	0	25.43
874.115556	25.79	46.02	20.23	H	0	25.79
945.572222	28.45	46.02	17.57	V	3	25.45

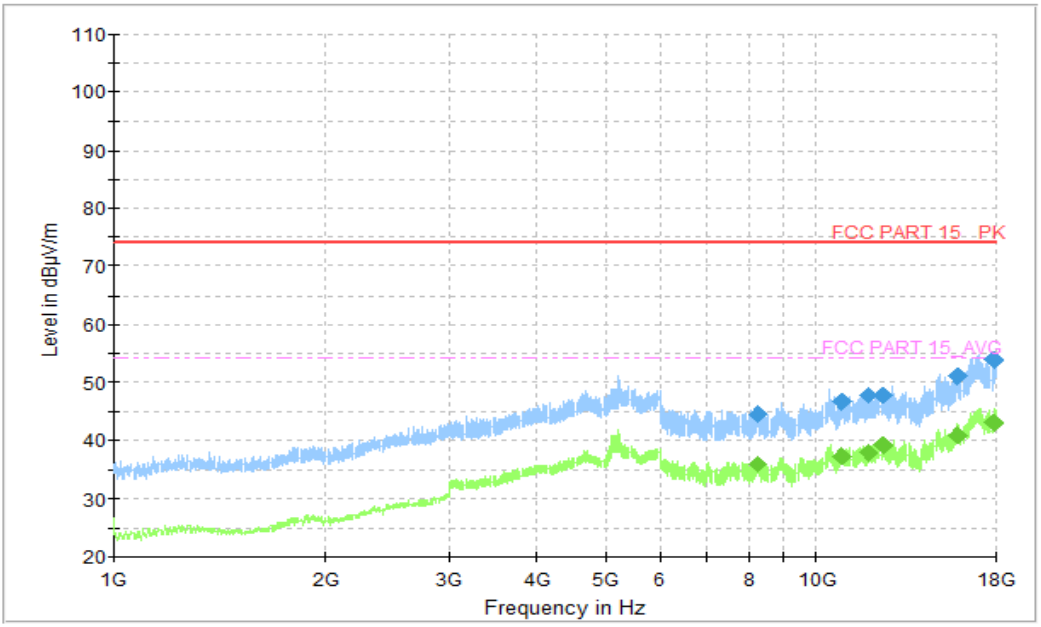


Figure A.1.4. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8262.923077	44.45	74.00	29.55	V	5.9	38.55
10843.384615	46.82	74.00	27.18	V	9.2	37.62
11866.615385	47.68	74.00	26.32	H	10.1	37.58
12451.384615	47.89	74.00	26.11	H	11.4	36.49
15872.307692	51.11	74.00	22.89	V	14.0	37.11
17935.846154	53.79	74.00	20.21	H	19.0	34.79

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8262.923077	35.99	54.00	18.01	V	5.9	30.09
10843.384615	37.37	54.00	16.63	V	9.2	28.17
11866.615385	37.93	54.00	16.07	H	10.1	27.83
12451.384615	39.23	54.00	14.77	H	11.4	27.83
15872.307692	40.86	54.00	13.14	V	14.0	26.86
17935.846154	43.18	54.00	10.82	H	19.0	24.18

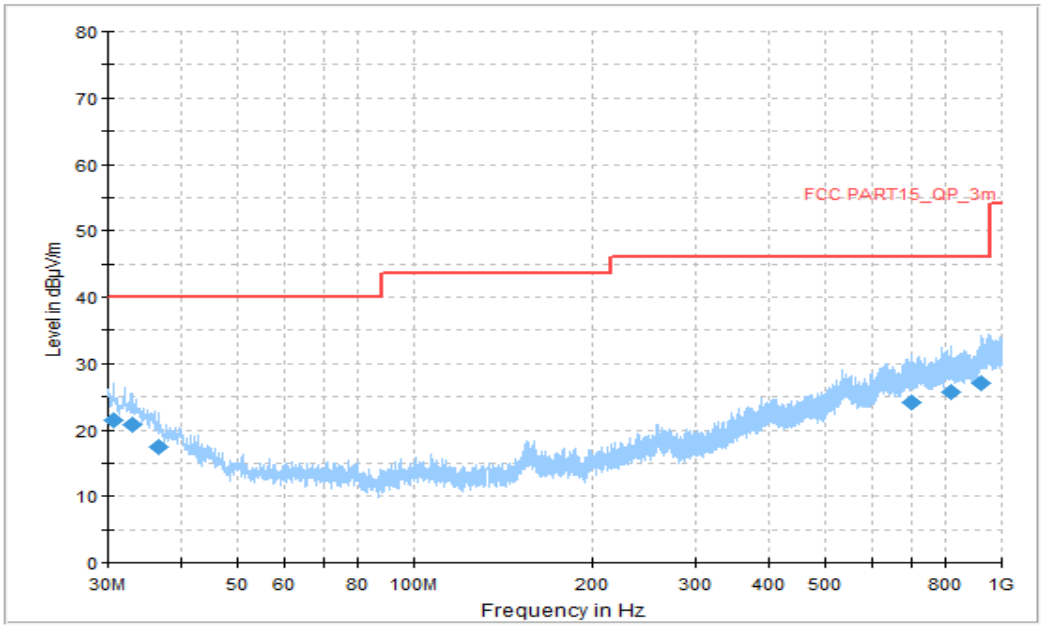


Figure A.1.5. Radiated Emission (FM Receiver, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.700556	21.37	40.00	18.63	H	-12	33.37
33.071667	20.84	40.00	19.16	V	-13	33.84
36.574444	17.39	40.00	22.61	H	-15	32.39
702.102222	24.24	46.02	21.78	H	-1	25.24
818.340556	25.79	46.02	20.23	H	1	24.79
922.292222	27.13	46.02	18.89	H	2	25.13

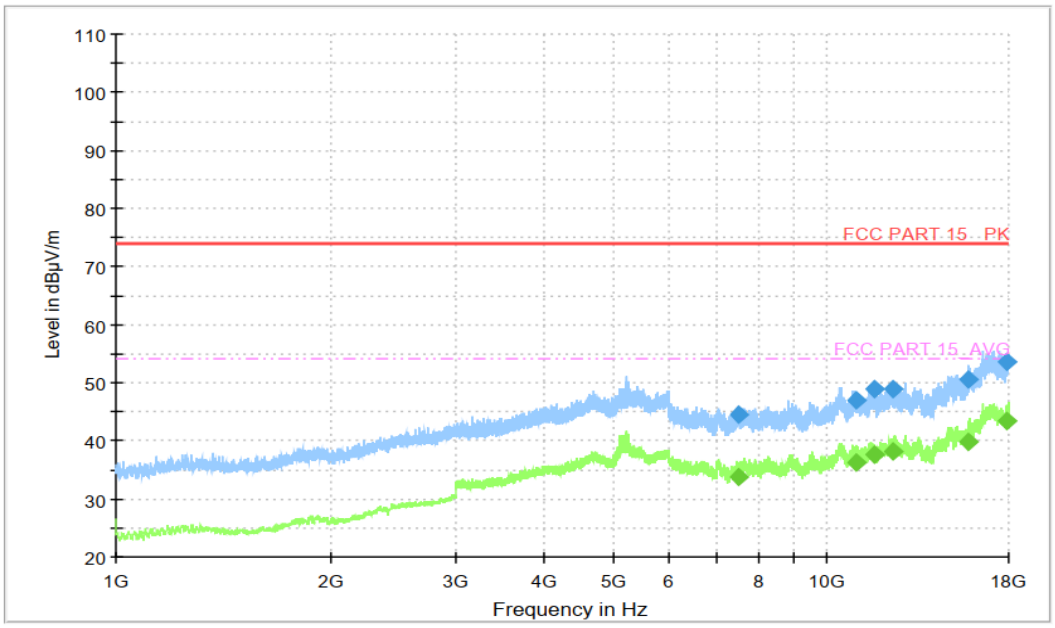


Figure A.1.6. Radiated Emission (FM Receiver, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
7506.923077	44.49	74.00	29.71	H	5.7	38.79
10965.230769	46.86	74.00	27.24	V	9.6	37.26
11646.000000	48.98	74.00	25.22	H	9.9	39.08
12394.153846	48.96	74.00	25.24	H	11.3	37.66
15807.692308	50.67	74.00	23.53	H	14.0	36.67
17906.307692	53.45	74.00	20.75	V	18.8	34.65

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
7506.923077	33.75	54.00	20.45	H	5.7	28.05
10965.230769	36.27	54.00	17.93	V	9.6	26.67
11646.000000	37.49	54.00	16.71	H	9.9	27.59
12394.153846	38.05	54.00	16.15	H	11.3	26.75
15807.692308	39.89	54.00	14.31	H	14.0	25.89
17906.307692	43.47	54.00	10.73	V	18.8	24.67

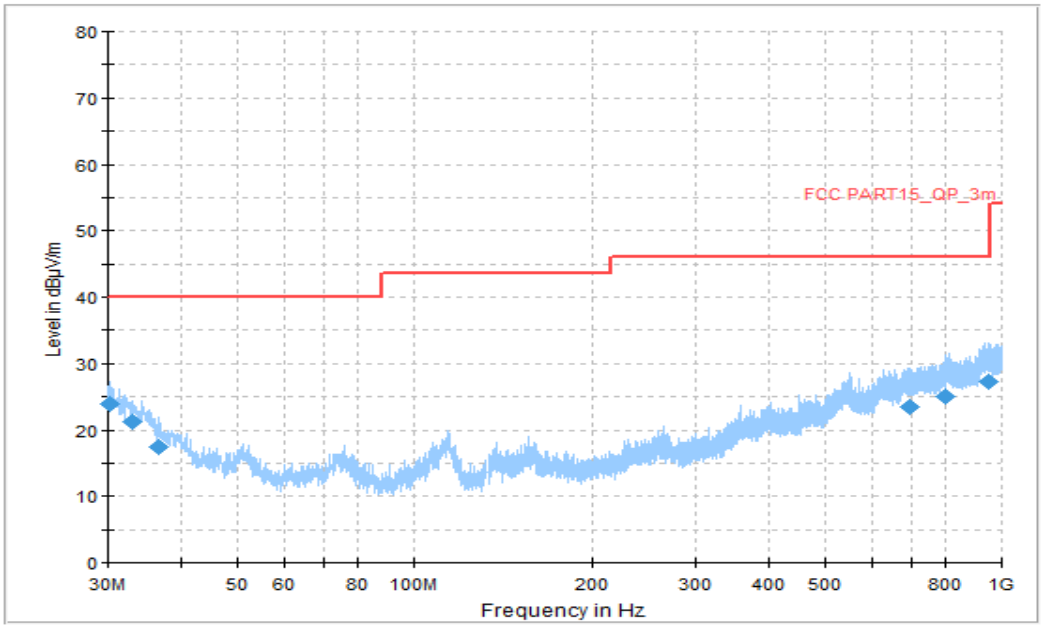


Figure A.1.7. Radiated Emission (GSM receiver 850MHz, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.215556	24.02	40.00	15.98	V	-12	36.02
32.963889	21.27	40.00	18.73	V	-13	34.27
36.736111	17.54	40.00	22.46	V	-15	32.54
696.390000	23.55	46.02	22.47	V	-1	24.55
802.227778	24.98	46.02	21.04	V	0	24.98
948.374444	27.35	46.02	18.67	V	3	24.35

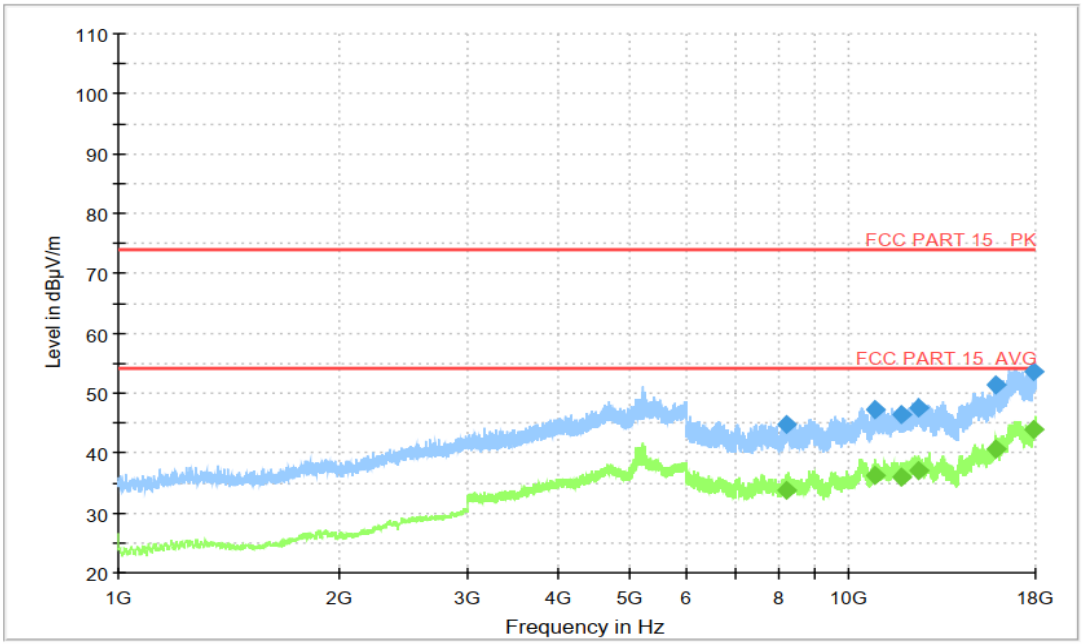


Figure A.1.8. Radiated Emission (GSM receiver 850MHz, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8228.769231	44.76	74.00	29.36	V	5.9	38.86
10884.923077	47.20	74.00	26.92	V	9.3	37.9
11827.384615	46.37	74.00	27.75	V	10.0	36.37
12423.230769	47.65	74.00	26.47	H	11.4	36.25
15929.538462	51.24	74.00	22.88	V	14.1	37.14
17938.153846	53.56	74.00	20.56	H	19.0	34.56

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8228.769231	33.80	54.00	20.32	V	5.9	27.90
10884.923077	36.23	54.00	17.89	V	9.3	26.93
11827.384615	35.85	54.00	18.27	V	10.0	25.85
12423.230769	37.18	54.00	16.94	H	11.4	25.78
15929.538462	40.75	54.00	13.37	V	14.1	26.65
17938.153846	43.99	54.00	10.13	H	19.0	24.99

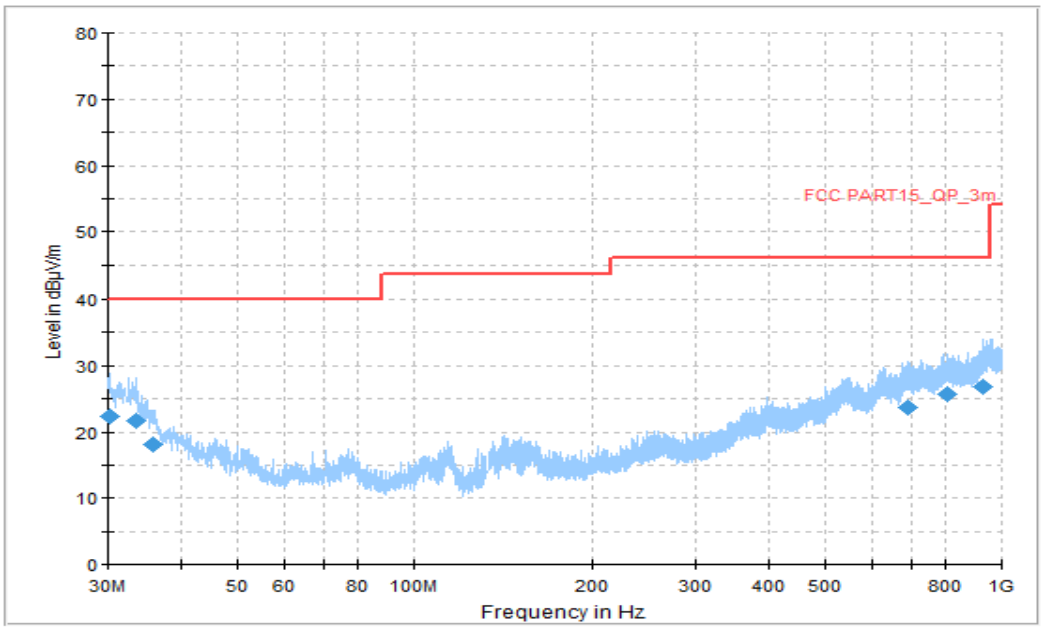


Figure A.1.9. Radiated Emission (WCDMA receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.215556	22.42	40.00	17.58	V	-12	34.42
33.556667	21.64	40.00	18.36	V	-14	35.64
35.927778	18.09	40.00	21.91	V	-15	33.09
689.546111	23.69	46.02	22.33	H	-1	24.69
806.916111	25.63	46.02	20.39	H	1	24.63
931.076111	26.86	46.02	19.16	H	2	24.86

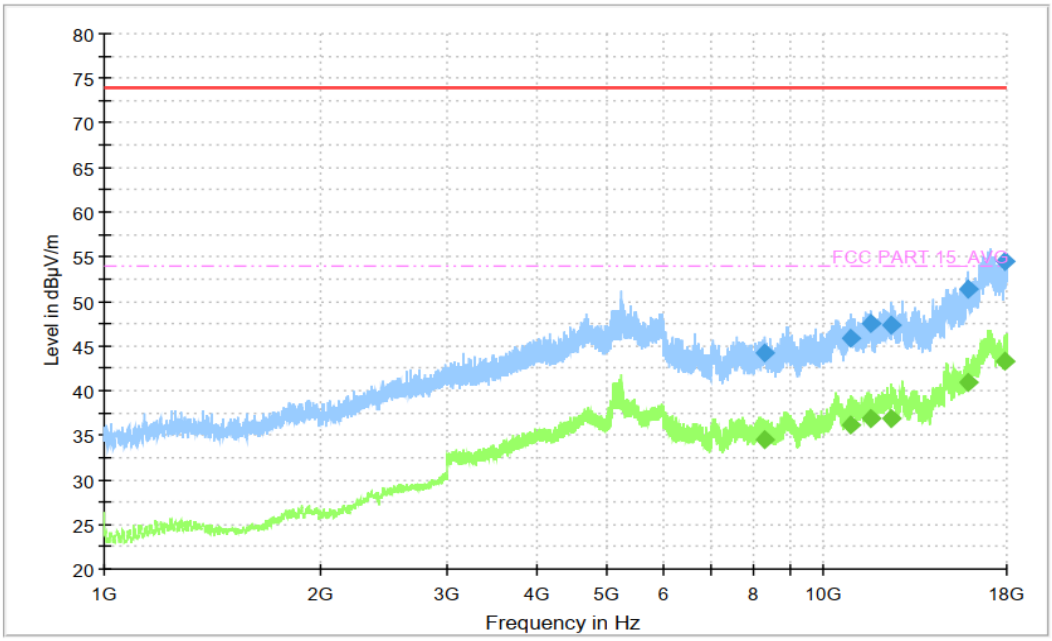


Figure A.1.10. Radiated Emission (WCDMA receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8277.230769	44.26	74.00	29.74	V	6.0	38.26
10913.538462	45.85	74.00	28.15	V	9.4	36.45
11629.846154	47.58	74.00	26.42	H	9.9	37.68
12463.846154	47.33	74.00	26.67	H	11.4	35.93
15892.615385	51.42	74.00	22.58	V	14.0	37.42
17953.384615	54.43	74.00	19.57	H	19.0	35.43

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8277.230769	34.58	54.00	19.42	V	6.0	28.58
10913.538462	36.10	54.00	17.90	V	9.4	26.7
11629.846154	36.86	54.00	17.14	H	9.9	26.96
12463.846154	36.94	54.00	17.06	H	11.4	25.54
15892.615385	40.92	54.00	13.08	V	14.0	26.92
17953.384615	43.35	54.00	10.65	H	19.0	24.35

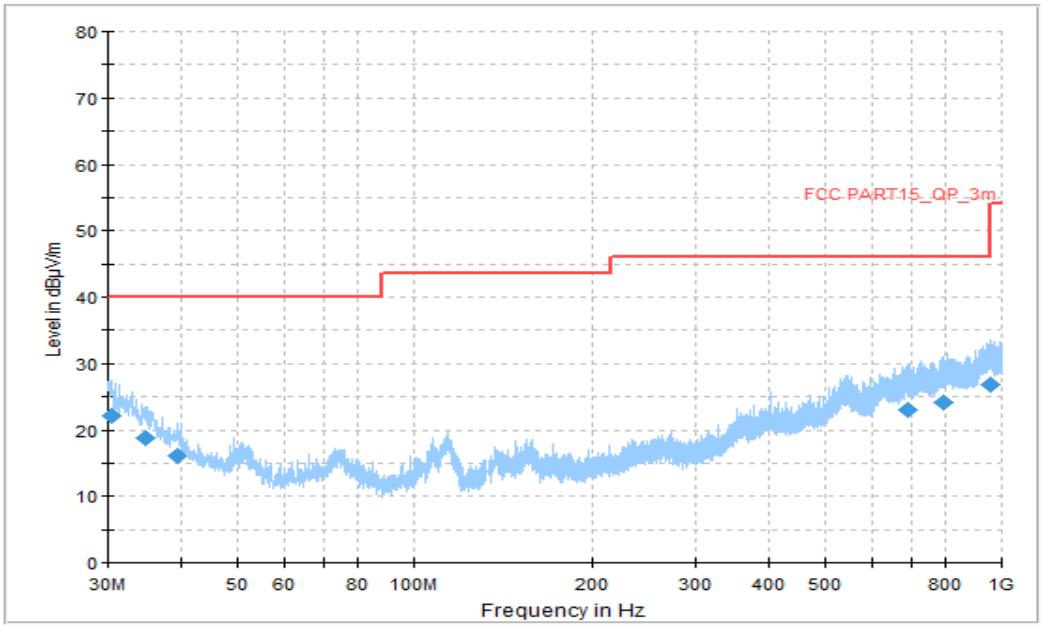


Figure A.1.11. Radiated Emission (LTE receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.538889	22.06	40.00	17.94	V	-12	34.06
34.850000	18.74	40.00	21.26	V	-14	32.74
39.538333	16.01	40.00	23.99	V	-17	33.01
689.977222	23.08	46.02	22.94	V	-1	24.08
794.575556	24.21	46.02	21.81	H	0	24.21
956.296111	26.72	46.02	19.30	V	3	23.72

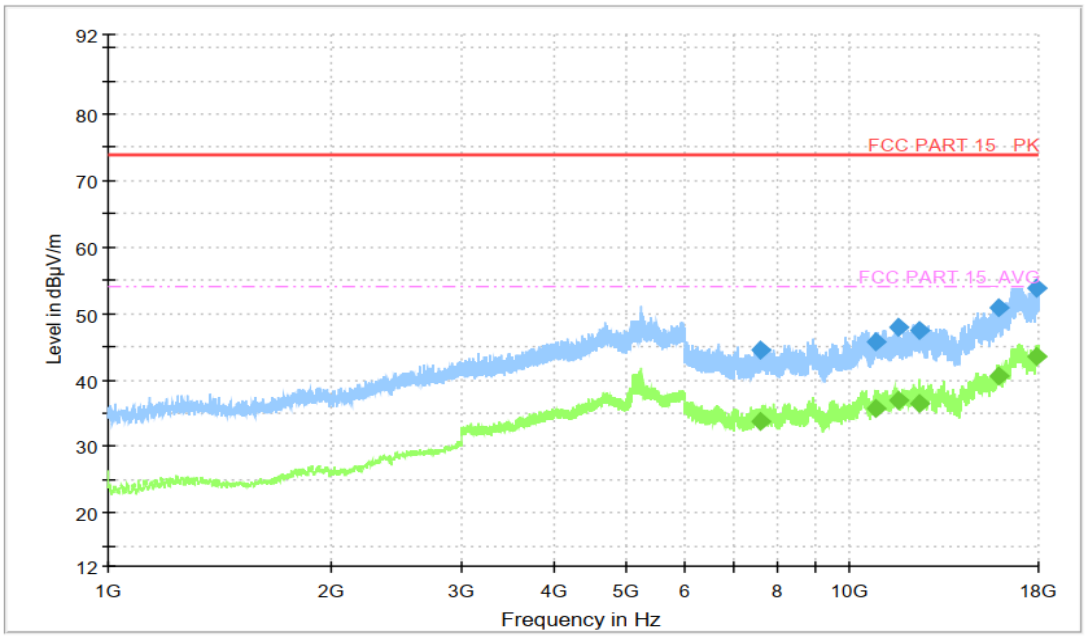


Figure A.1.12. Radiated Emission (LTE receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
7599.230769	44.51	74.00	29.61	H	5.7	38.81
10845.230769	45.66	74.00	28.46	H	9.2	36.46
11638.153846	48.03	74.00	26.09	V	9.9	38.13
12416.769231	47.41	74.00	26.71	V	11.4	36.01
15903.230769	50.80	74.00	23.32	H	14.1	36.7
17913.692308	53.74	74.00	20.38	H	18.9	34.84

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
7599.230769	33.67	54.00	20.46	H	5.7	27.97
10845.230769	35.69	54.00	18.43	H	9.2	26.49
11638.153846	36.99	54.00	17.13	V	9.9	27.09
12416.769231	36.53	54.00	17.59	V	11.4	25.13
15903.230769	40.53	54.00	13.59	H	14.1	26.43
17913.692308	43.53	54.00	10.59	H	18.9	24.63

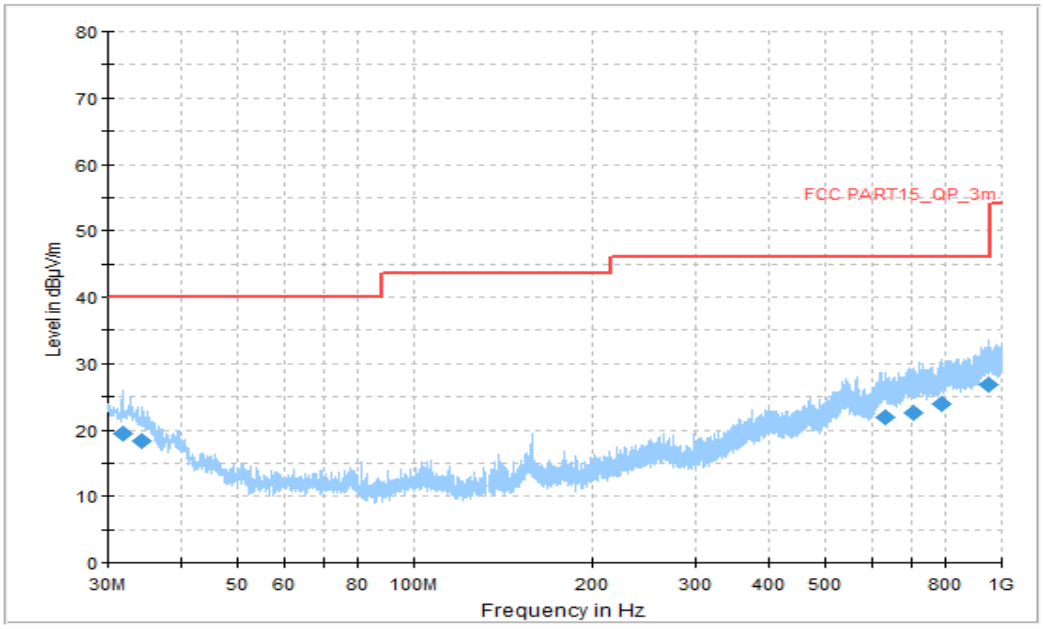


Figure A.1.13. Radiated Emission (LTE receiver Band 13, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
31.724444	19.34	40.00	20.66	V	-12	31.34
34.311111	18.36	40.00	21.64	V	-14	32.36
631.615556	21.96	46.02	24.06	H	-2	23.96
707.545000	22.48	46.02	23.54	V	-1	23.48
792.204444	23.92	46.02	22.10	H	0	23.92
953.008889	26.86	46.02	19.16	H	3	23.86

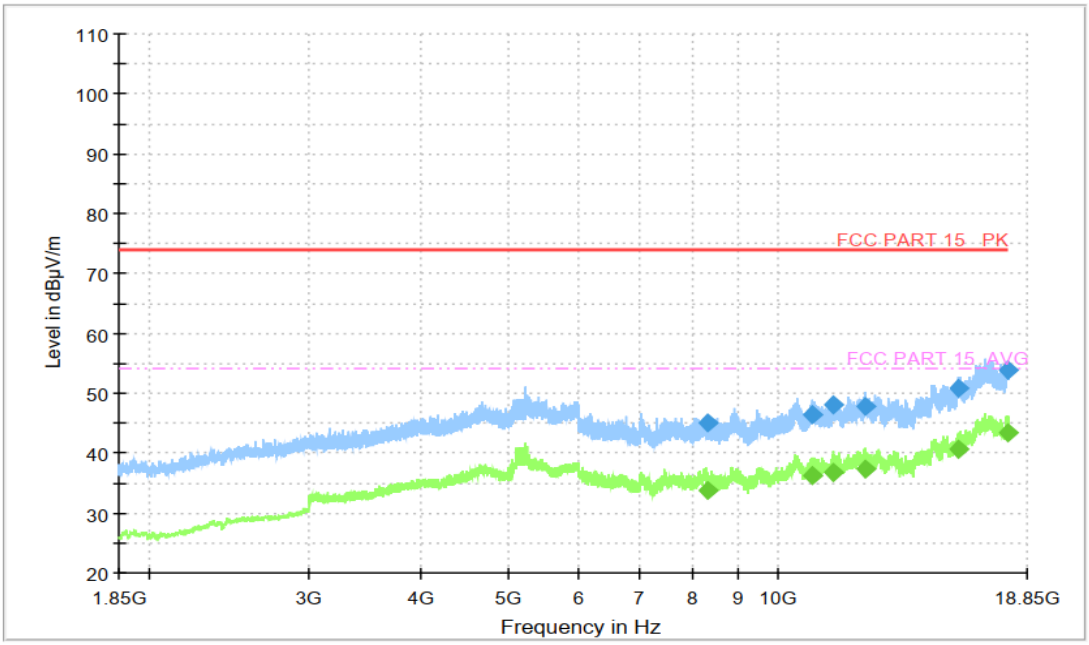


Figure A.1.14. Radiated Emission (LTE receiver Band 13, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8348.307692	45.08	74.00	28.92	H	6.0	39.08
10902.923077	46.33	74.00	27.67	H	9.4	36.93
11498.769231	48.11	74.00	25.89	H	10.1	38.01
12459.692308	47.93	74.00	26.07	V	11.4	36.53
15860.769231	50.85	74.00	23.15	H	14.0	36.85
17953.384615	53.74	74.00	20.26	H	19.0	34.74

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8348.307692	33.68	54.00	20.32	H	6.0	27.68
10902.923077	36.18	54.00	17.82	H	9.4	26.78
11498.769231	36.78	54.00	17.22	H	10.1	26.68
12459.692308	37.18	54.00	16.82	V	11.4	25.78
15860.769231	40.43	54.00	13.57	H	14.0	26.43
17953.384615	43.25	54.00	10.75	H	19.0	24.25

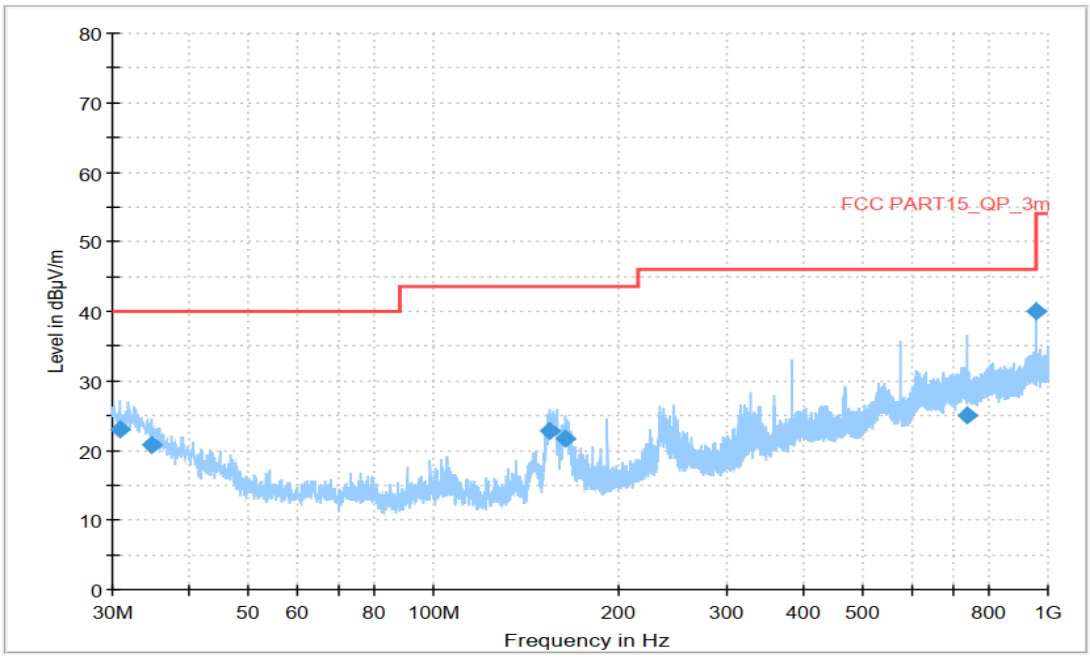


Figure A.1.15. Radiated Emission (Data Transfer: PC TO TF Card, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.862222	23.07	40.00	16.93	V	-12	35.07
34.796111	20.88	40.00	19.12	V	-14	34.88
154.429444	22.75	43.52	20.77	H	-16	38.75
163.644444	21.69	43.52	21.83	H	-17	38.69
738.207778	25.11	46.02	20.91	V	-1	26.11
960.014444	39.96	53.98	14.02	H	2	37.96

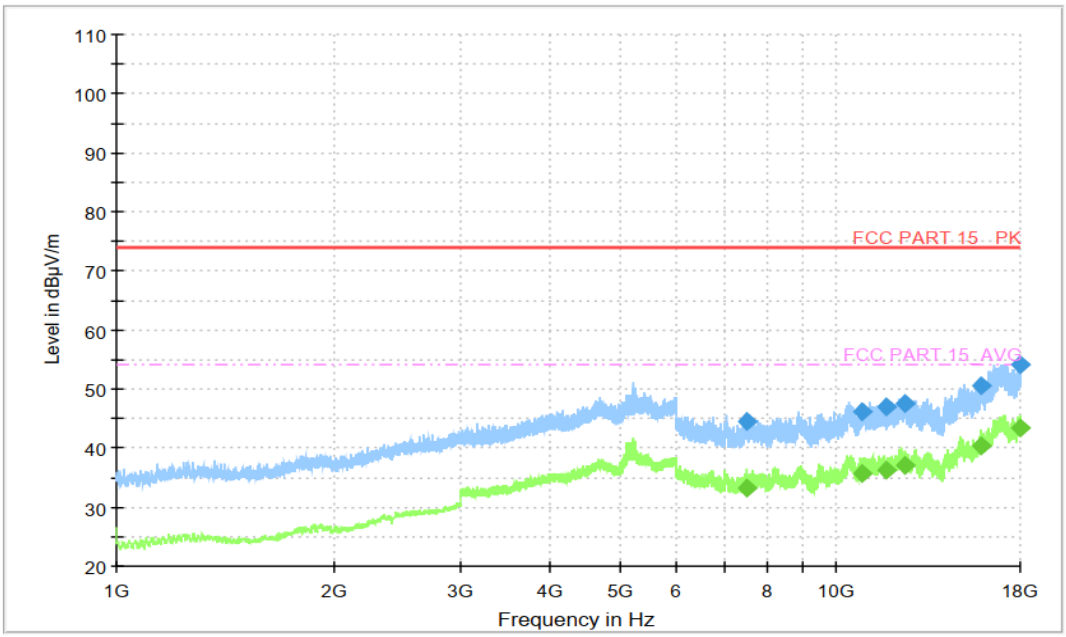


Figure A.1.16. Radiated Emission (Data Transfer: PC TO TF Card, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
7504.615385	44.83	74.00	29.17	H	5.7	39.13
10848.923077	46.50	74.00	27.50	V	9.2	37.3
11736.461539	47.43	74.00	26.57	V	9.8	37.63
12474.000000	47.66	74.00	26.34	H	11.3	36.36
15910.153846	51.00	74.00	23.00	H	14.1	36.9
17982.923077	54.63	74.00	19.37	H	19.2	35.43

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
7504.615385	33.49	54.00	20.51	H	5.7	27.79
10848.923077	35.80	54.00	18.20	V	9.2	26.6
11736.461539	36.46	54.00	17.54	V	9.8	26.66
12474.000000	37.16	54.00	16.84	H	11.3	25.86
15910.153846	40.69	54.00	13.31	H	14.1	26.59
17982.923077	43.50	54.00	10.50	H	19.2	24.30

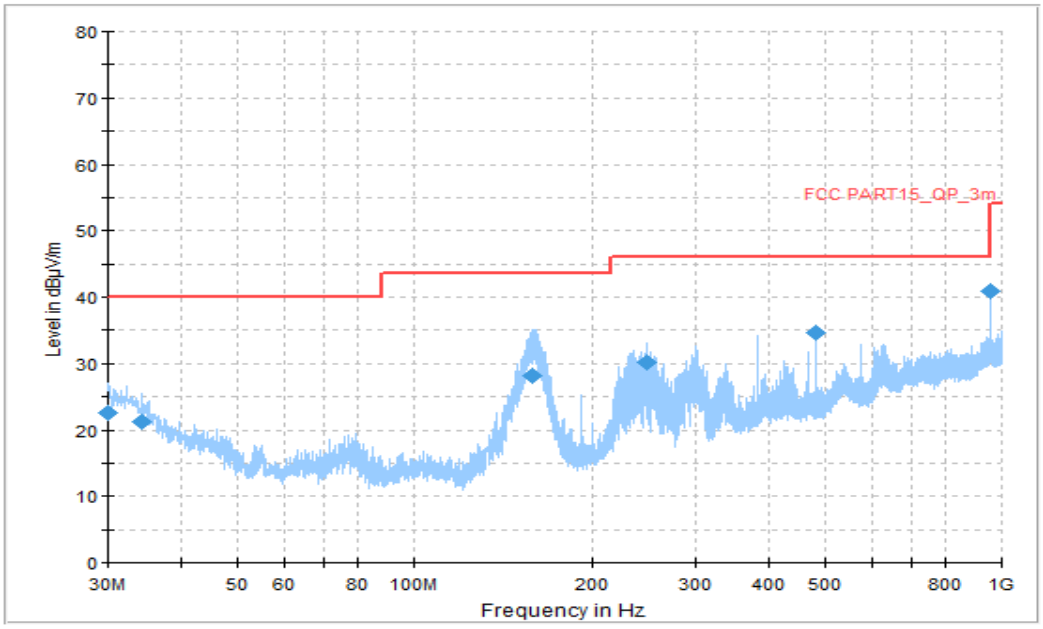


Figure A.1.17. Radiated Emission (Data Transfer: TF Card TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.000000	22.58	40.00	17.42	H	-11	33.58
34.257222	21.14	40.00	18.86	V	-14	35.14
157.501111	28.10	43.52	15.42	V	-16	44.10
247.765000	30.12	46.02	15.90	H	-14	44.12
480.026111	34.64	46.02	11.38	H	-6	40.64
960.014444	40.97	53.98	13.01	H	2	38.97

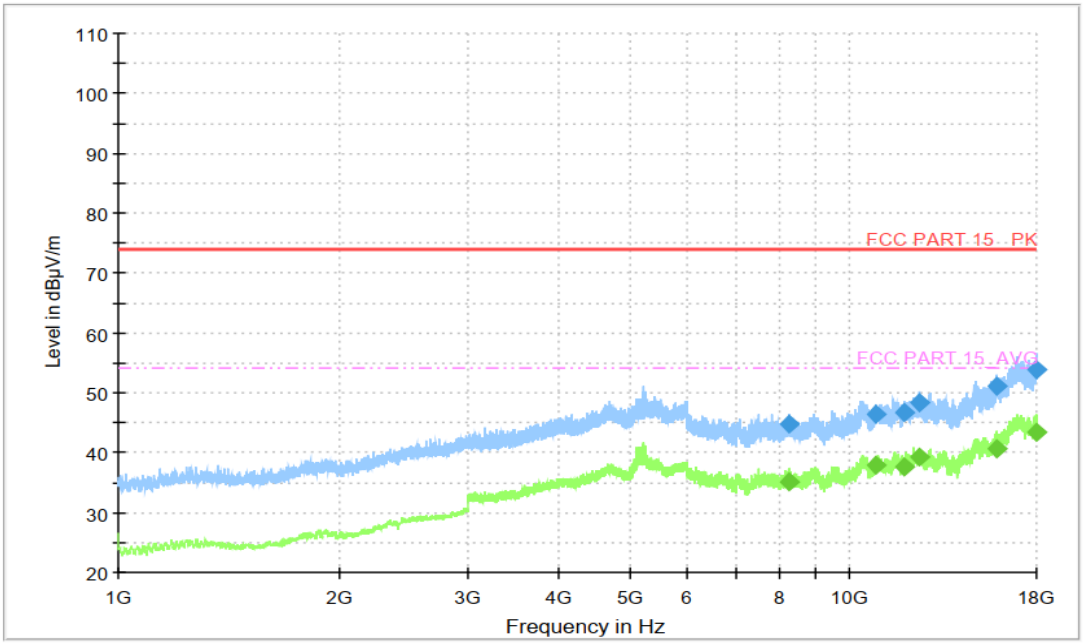


Figure A.1.18. Radiated Emission (Data Transfer: TF Card TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8262.000000	44.78	74.00	29.34	H	5.9	38.88
10869.230769	46.45	74.00	27.67	H	9.3	37.15
11867.076923	46.45	74.00	27.47	H	10.1	36.35
12460.615385	48.44	74.00	25.68	V	11.4	37.04
15863.076923	51.14	74.00	22.98	V	14.0	37.14
17996.307692	53.98	74.00	20.14	V	19.2	34.78

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8262.000000	35.02	54.00	18.98	H	5.9	29.12
10869.230769	37.75	54.00	16.25	H	9.3	28.45
11867.076923	37.56	54.00	16.44	H	10.1	27.46
12460.615385	39.17	54.00	14.83	V	11.4	27.77
15863.076923	40.65	54.00	13.35	V	14.0	26.65
17996.307692	43.37	54.00	10.63	V	19.2	24.17

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.

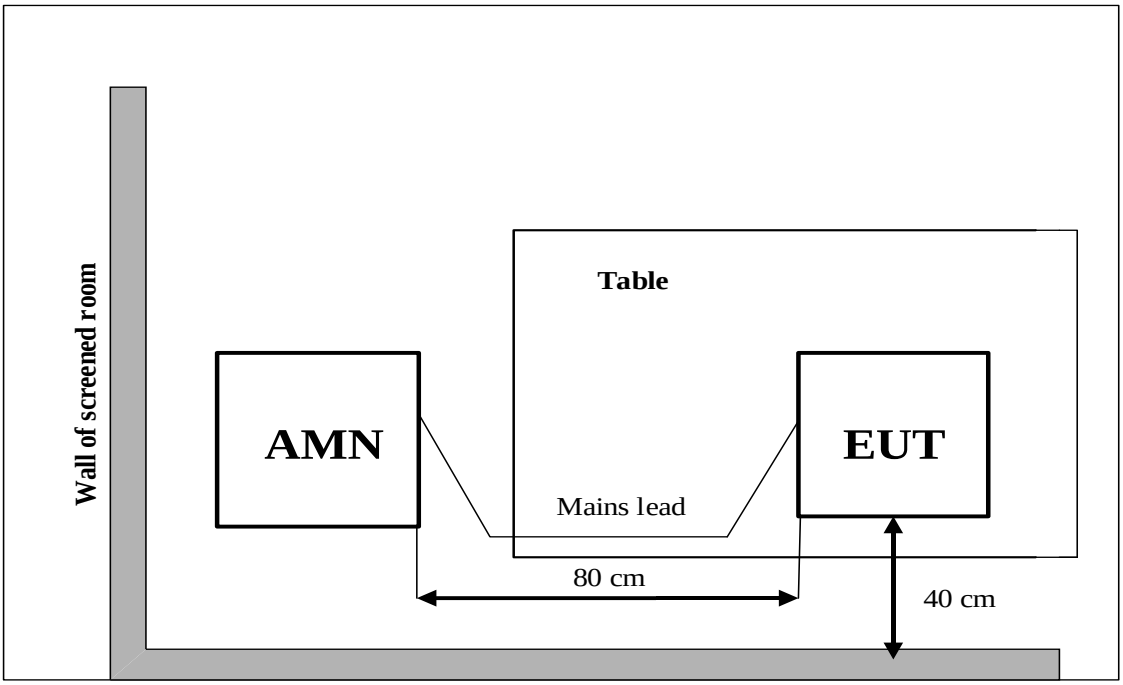
FM receiver: The EUT is connected to a charger for charging. The EUT is synchronized to a FM signal generator. The EUT is keeping on demodulating the FM signal and outputting the audio signal through the headset.

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.

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.2.4Test 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) UT04aa/Set.1	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.1.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT04aa/Set.1	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.2.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

FM Receiver

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT04aa/Set.1	Conclusion
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 (dBμV)	Average Limit (dBμV)	Result (dBμV) UT04aa/Set.2	Conclusion
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.				

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT04aa/Set.1	Conclusion
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.				

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT04aa/Set.1	Conclusion
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.				

FM Receiver

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT04aa/Set.1	Conclusion
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.				

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT04aa/Set.2	Conclusion
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.				

AC Input Port/ Voltage: 120V/60Hz

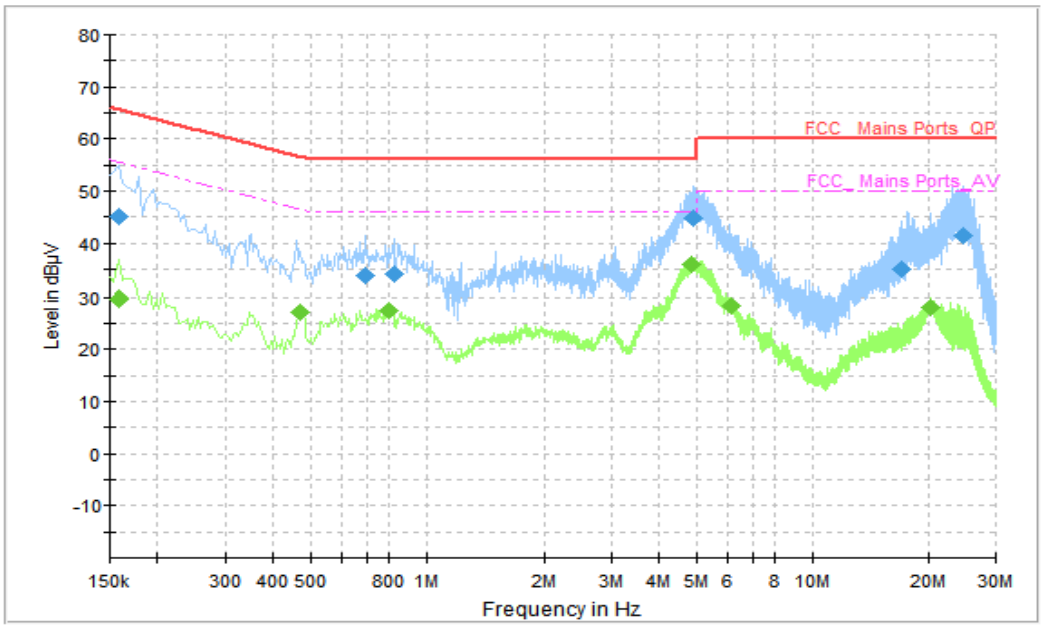


Figure A.2.1. Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.158000	45.21	65.57	20.36	N	10	35.21
0.690000	33.95	56.00	22.05	L1	10	23.95
0.822000	34.28	56.00	21.72	L1	10	24.28
4.914000	44.89	56.00	11.11	L1	10	34.89
17.150000	35.02	60.00	24.98	L1	10	25.02
24.674000	41.35	60.00	18.65	L1	10	31.35

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.158000	29.39	55.57	26.17	N	10	19.39
0.470000	27.21	46.51	19.31	N	10	17.21
0.802000	27.28	46.00	18.72	L1	10	17.28
4.858000	35.96	46.00	10.04	L1	10	25.96
6.134000	28.37	50.00	21.63	L1	10	18.37
20.338000	27.87	50.00	22.13	L1	10	17.87

AC Input Port/ Voltage: 120V/60Hz

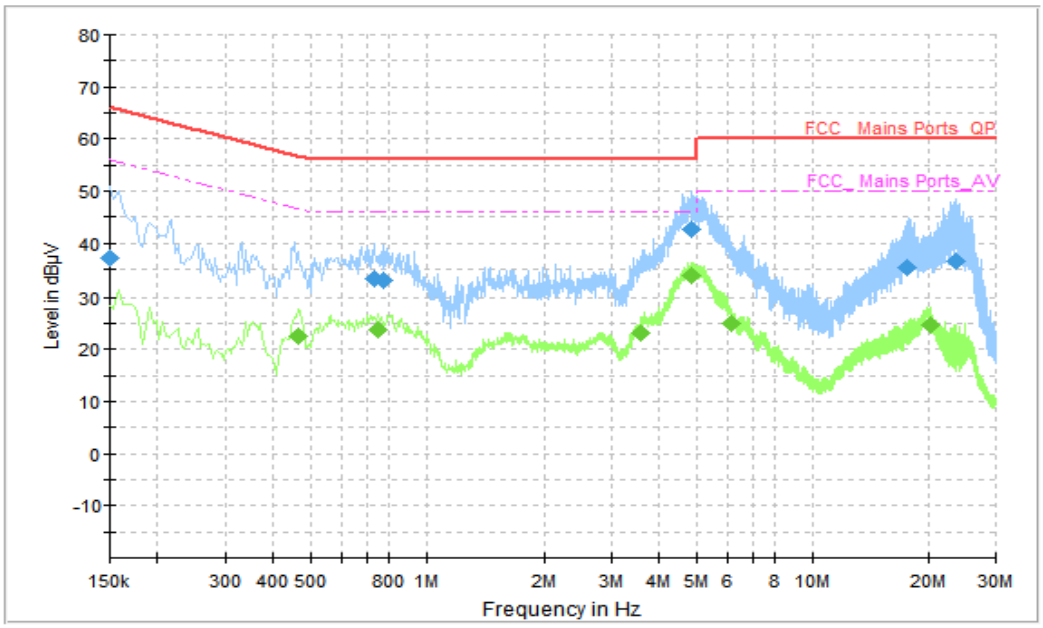


Figure A.2.2. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	37.05	66.00	28.95	L1	10	27.05
0.730000	33.22	56.00	22.78	L1	10	23.22
0.774000	32.84	56.00	23.16	L1	10	22.84
4.854000	42.82	56.00	13.18	L1	10	32.82
17.570000	35.27	60.00	24.73	L1	10	25.27
23.538000	36.71	60.00	23.29	L1	10	26.71

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.462000	22.46	46.66	24.19	L1	10	12.46
0.746000	23.74	46.00	22.26	N	10	13.74
3.582000	23.14	46.00	22.86	L1	10	13.14
4.846000	33.87	46.00	12.13	L1	10	23.87
6.174000	25.01	50.00	24.99	L1	10	15.01
20.194000	24.50	50.00	25.50	L1	10	14.50

AC Input Port/ Voltage: 120V/60Hz

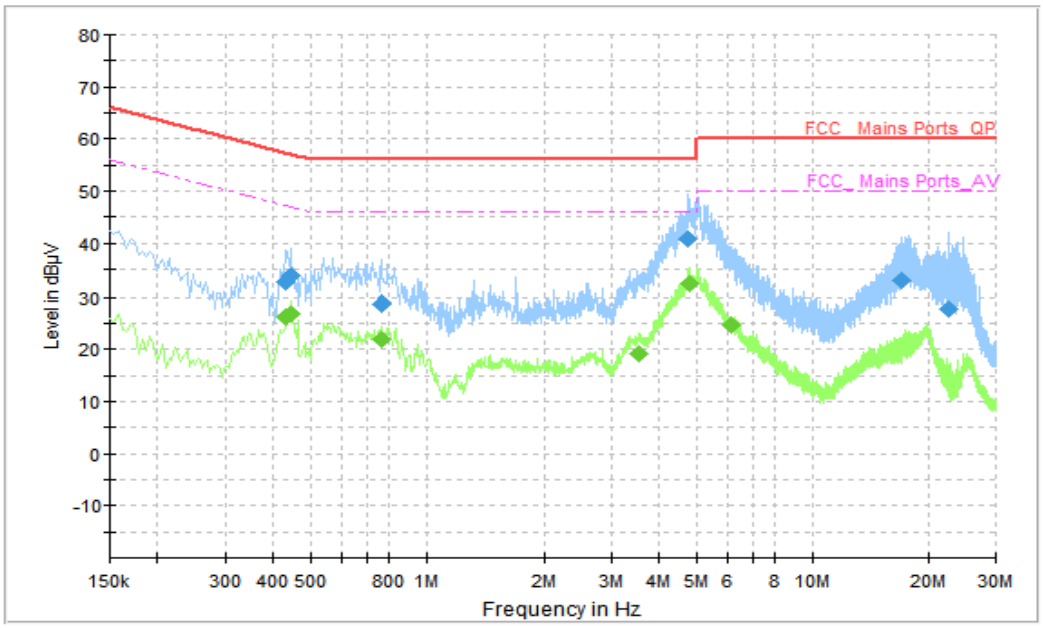


Figure A.2.3. Conducted Emission (FM Receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.430000	32.63	57.25	24.63	L1	10	22.63
0.442000	33.93	57.02	23.09	L1	10	23.93
0.762000	28.70	56.00	27.30	L1	10	18.70
4.762000	40.99	56.00	15.01	L1	10	30.99
17.134000	32.81	60.00	27.19	L1	10	22.81
22.518000	27.75	60.00	32.25	L1	10	17.75

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.430000	26.19	47.25	21.06	N	10	16.19
0.442000	26.81	47.02	20.21	L1	10	16.81
0.762000	21.85	46.00	24.15	L1	10	11.85
3.538000	19.03	46.00	26.97	N	10	9.03
4.774000	32.26	46.00	13.74	L1	10	22.26
6.146000	24.58	50.00	25.42	L1	10	14.58

AC Input Port/ Voltage: 120V/60Hz

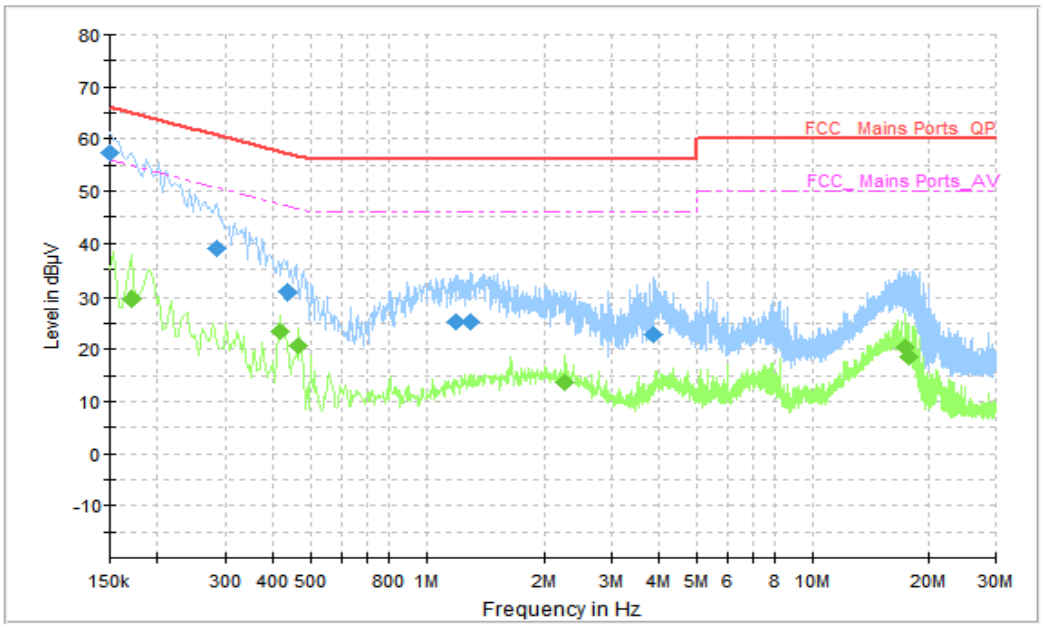


Figure A.2.4. Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	57.36	66.00	8.64	L1	10	47.36
0.286000	39.14	60.64	21.50	L1	10	29.14
0.434000	30.67	57.18	26.51	L1	10	20.67
1.194000	25.20	56.00	30.80	N	10	15.20
1.298000	25.27	56.00	30.73	N	10	15.27
3.850000	22.93	56.00	33.07	L1	10	12.93

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.170000	29.42	54.96	25.54	L1	10	19.42
0.414000	23.54	47.57	24.03	N	10	13.54
0.466000	20.59	46.59	26.00	L1	10	10.59
2.274000	13.78	46.00	32.22	N	10	3.78
17.398000	20.31	50.00	29.69	N	11	9.31
17.810000	18.63	50.00	31.37	N	11	7.63

AC Input Port/ Voltage: 240V/60Hz

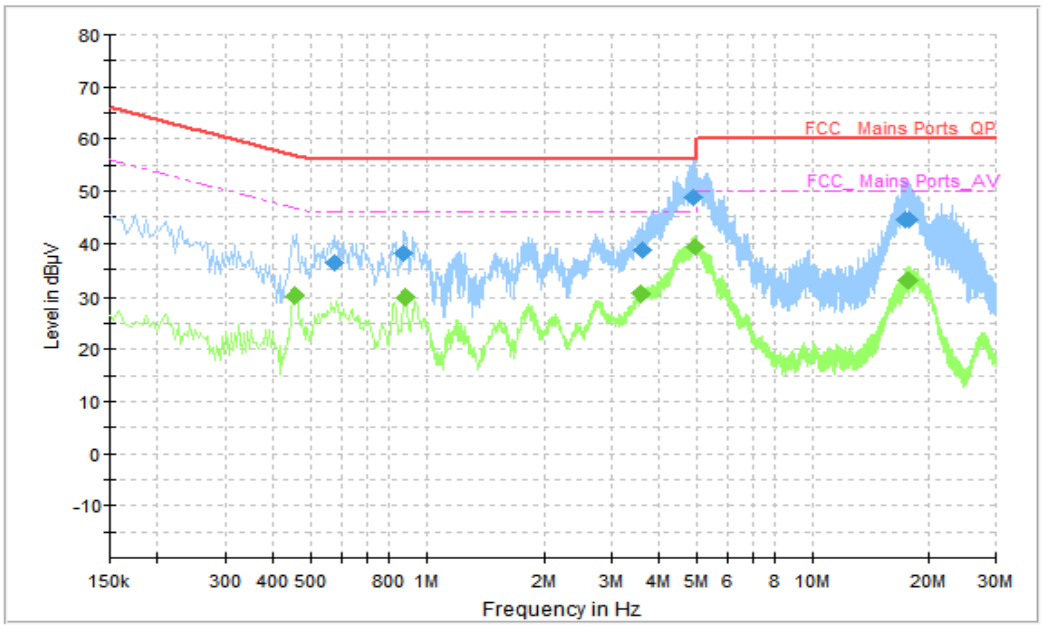


Figure A.2.5. Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.574000	36.14	56.00	19.86	N	10	26.14
0.874000	38.19	56.00	17.81	N	10	28.19
3.594000	38.78	56.00	17.22	N	10	28.78
4.910000	48.76	56.00	7.24	N	10	38.76
17.486000	44.60	60.00	15.40	L1	10	34.6
17.746000	44.67	60.00	15.33	L1	10	34.67

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.454000	30.08	46.80	16.72	N	10	20.08
0.882000	29.87	46.00	16.13	N	10	19.87
3.558000	30.33	46.00	15.67	N	10	20.33
4.942000	39.46	46.00	6.54	N	10	29.46
17.618000	32.80	50.00	17.20	N	11	21.8
17.758000	32.95	50.00	17.05	N	11	21.95

AC Input Port/ Voltage: 240V/60Hz

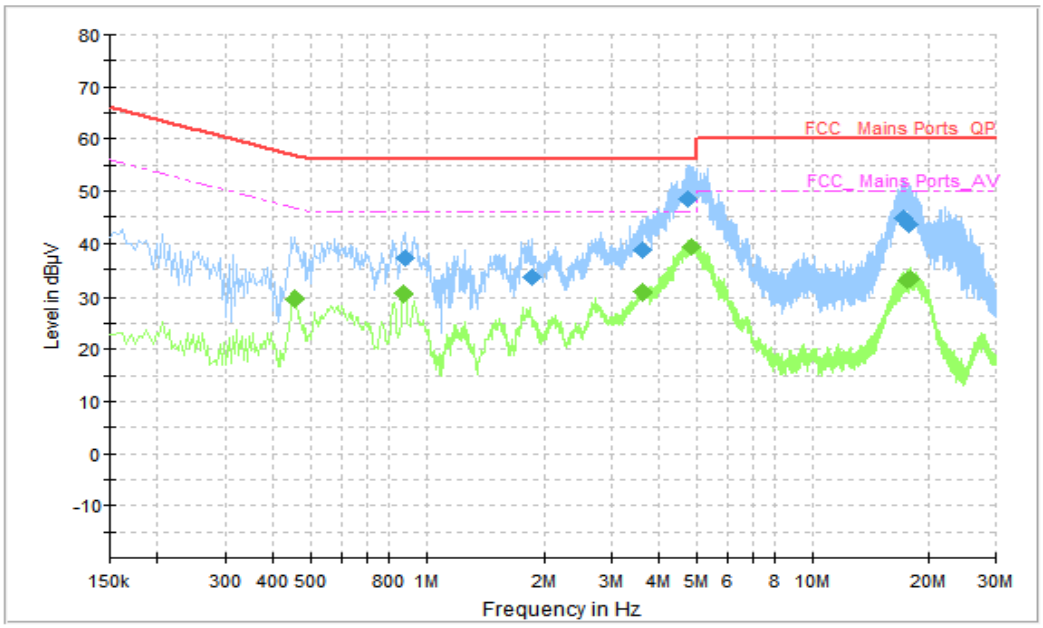


Figure A.2.6. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.882000	37.06	56.00	18.94	N	10	27.06
1.854000	33.51	56.00	22.49	N	10	23.51
3.594000	38.77	56.00	17.23	N	10	28.77
4.738000	48.43	56.00	7.57	N	10	38.43
17.298000	44.87	60.00	15.13	L1	10	34.87
17.774000	43.53	60.00	16.47	L1	10	33.53

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.454000	29.54	46.80	17.26	N	10	19.54
0.874000	30.47	46.00	15.53	N	10	20.47
3.594000	30.65	46.00	15.35	N	10	20.65
4.866000	39.39	46.00	6.61	N	10	29.39
17.574000	32.79	50.00	17.21	N	11	21.79
17.962000	33.21	50.00	16.79	N	11	22.21

AC Input Port/ Voltage: 240V/60Hz

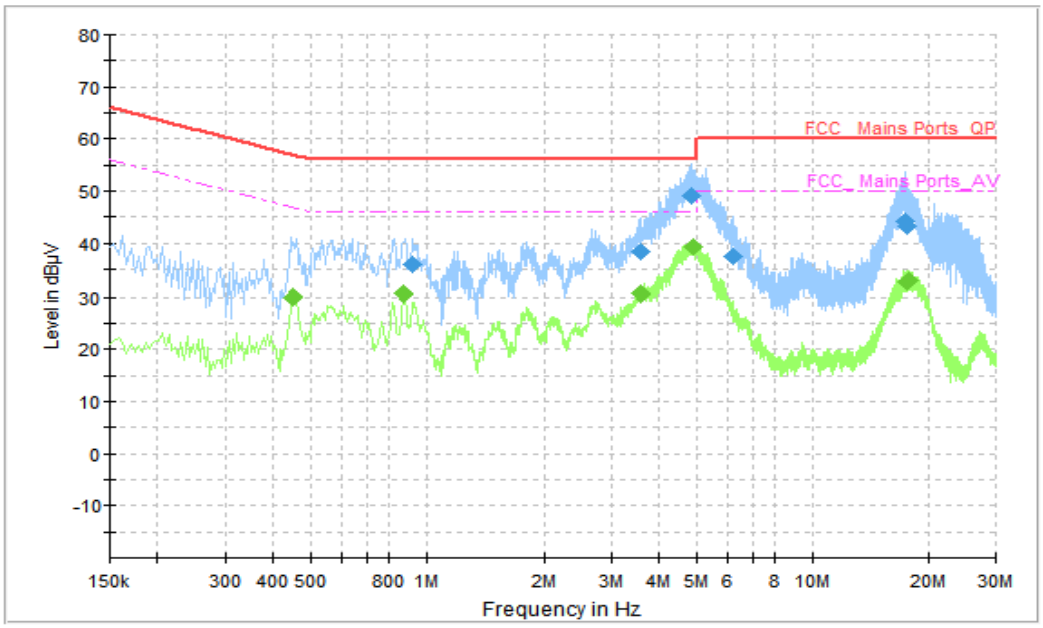


Figure A.2.7. Conducted Emission (FM Receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.922000	35.89	56.00	20.11	N	10	25.89
3.566000	38.37	56.00	17.63	N	10	28.37
4.858000	49.12	56.00	6.88	N	10	39.12
6.230000	37.64	60.00	22.36	N	10	27.64
17.438000	44.34	60.00	15.66	L1	10	34.34
17.670000	43.16	60.00	16.84	L1	10	33.16

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.450000	29.95	46.88	16.92	N	10	19.95
0.874000	30.45	46.00	15.55	N	10	20.45
3.582000	30.55	46.00	15.45	N	10	20.55
4.898000	39.39	46.00	6.61	N	10	29.39
17.546000	32.54	50.00	17.46	N	11	21.54
17.858000	32.84	50.00	17.16	N	11	21.84

AC Input Port/ Voltage: 240V/60Hz

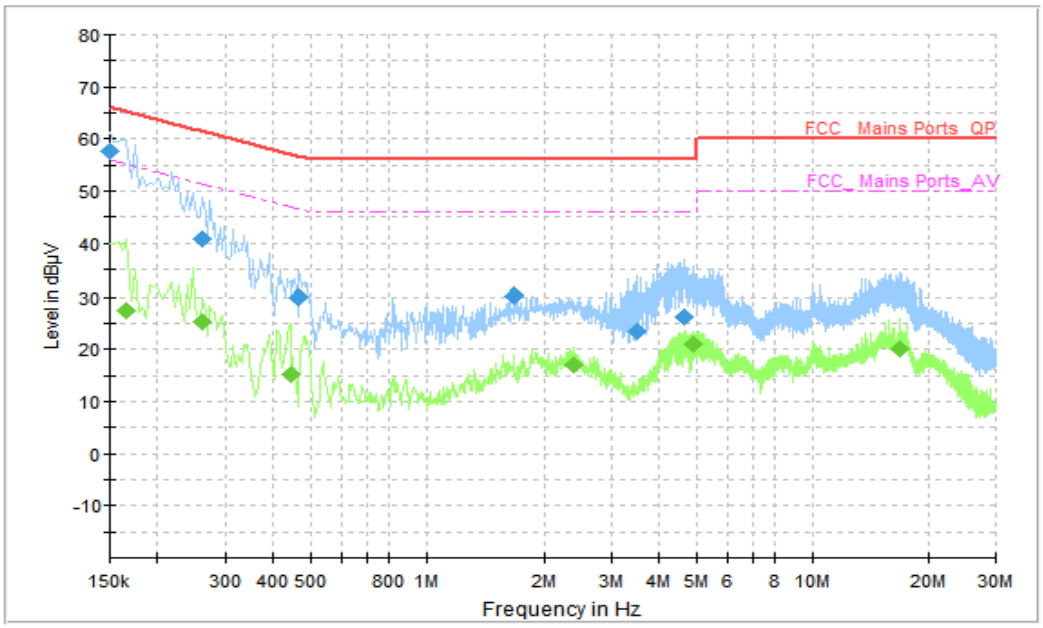


Figure A.2.8. Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	57.60	66.00	8.40	L1	10	47.60
0.262000	40.93	61.37	20.44	N	10	30.93
0.466000	29.86	56.59	26.72	L1	10	19.86
1.678000	30.13	56.00	25.87	N	10	20.13
3.514000	23.41	56.00	32.59	N	10	13.41
4.658000	26.33	56.00	29.67	L1	10	16.33

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.166000	27.36	55.16	27.80	N	10	17.36
0.262000	25.33	51.37	26.04	N	10	15.33
0.442000	15.03	47.02	31.99	N	10	5.03
2.378000	17.06	46.00	28.94	L1	10	7.06
4.918000	20.86	46.00	25.14	L1	10	10.86
16.914000	19.93	50.00	30.07	L1	10	9.93

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