



TEST REPORT

No.I21N02633-EMC

for

IDEMIA Identity and Security France

ID Screen US

Model Name: MPH-MB003C

With

Hardware Version: V01(M32N)

Software Version: IDEMIA_WM28_V01_210803

FCC ID: ZBW-MPHMB003C

Issued Date: 2021-10-12

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
I21N02633-EMC	Rev.0	1st edition	2021-10-12

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	ID Screen US
Model Name	MPH-MB003C
Applicant's name	IDEMIA Identity and Security France
Manufacturer's Name	IDEMIA Identity and Security France

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: 2021-10-05

Testing End Date: 2021-10-09

1.6. Signature

Ma shoujian

(Prepared this test report)

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(Reviewed this test report)

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(Approved this test report)



2. CLIENT INFORMATION

2.1. Applicant Information

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3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	ID Screen US
Model Name	MPH-MB003C
FCC ID	ZBW-MPHMB003C
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
UT04aa	359665210000722 359665210000730	V01(M32N)	IDEMIA_WM28_V01_210803	2021-09-15

*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	Power Adaptor
AE3	Data Cable

AE1

Model	MPH-MB003A
Manufacturer	Zhongshan Tianmao Battery Co. Ltd.
Capacity	5000mAh
Nominal Voltage	3.85 V

AE2

Model	S008ACM0500200
Manufacturer	Ten Pao Electronics (Huizhou) Co., Ltd.

AE3-1

Model	JWUB1454-M01
Manufacturer	HUIZHOU JUWEI ELECTRONICS CO.,LTD

AE3-2

Model	JWUB1453-M01R
Manufacturer	HUIZHOU JUWEI ELECTRONICS CO.,LTD

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

AE: Ancillary equipment

AE2: There is just one internal circuit of charger, and the plug of the charger can be replaced to meet worldwide country's requirement.



3.4. EUT Set-ups

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

3.5. General Description

The Equipment Under Test (EUT) is a model of ID Screen US with internal antenna.

It supports GSM 850/1900MHz, WCDMA Bands 2/4/5, and LTE Bands 2/4/5/12/13/17/66.

It has MP3, Camera, NFC, USB memory, Bluetooth, Wi-Fi and GNSS functions.

It consists of normal options: Battery, Power Adaptor and Data Cable.

Manual and specifications of the EUT were provided to fulfill the test.

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

This product comes in specifications: Non-IRIS Memory 32G

Model Name	Specifications	Iris LED	Memory	Hardware Version	Software Version
MPH-MB003C	Non-IRIS Memory 32G	no	32G	V01(M32N)	IDEMIA_WM28_ V01_210803



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°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/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	2021.11.25	1 year
2.	Test Receiver	ESCI	100702	R&S	2022.01.13	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2022.01.13	1 year
4.	BiLog Antenna	3142E	0224831	ETS-Lindgren	2024.05.27	3 years
5.	Horn Antenna	3117	00066577	ETS-Lindgren	2022.04.02	3 years
6.	LISN	ENV216	102067	R&S	2022.07.15	1 year
7.	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	2022.01.13	1 year
10.	Universal Radio Communication Tester	CMW500	152499	R&S	2022.07.15	1 year
11.	Signal Generator	SMB100A	179725	R&S	2021.11.25	1 year
12.	Horn Antenna	QSH-SL-18-2 6-S-20	17013	Q-par	2023.01.06	3 years
13.	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 (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 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 12, LTE Band 13, LTE Band 17.

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.

A.1.3 Measurement Limit

Limit from Part 15.109(a)

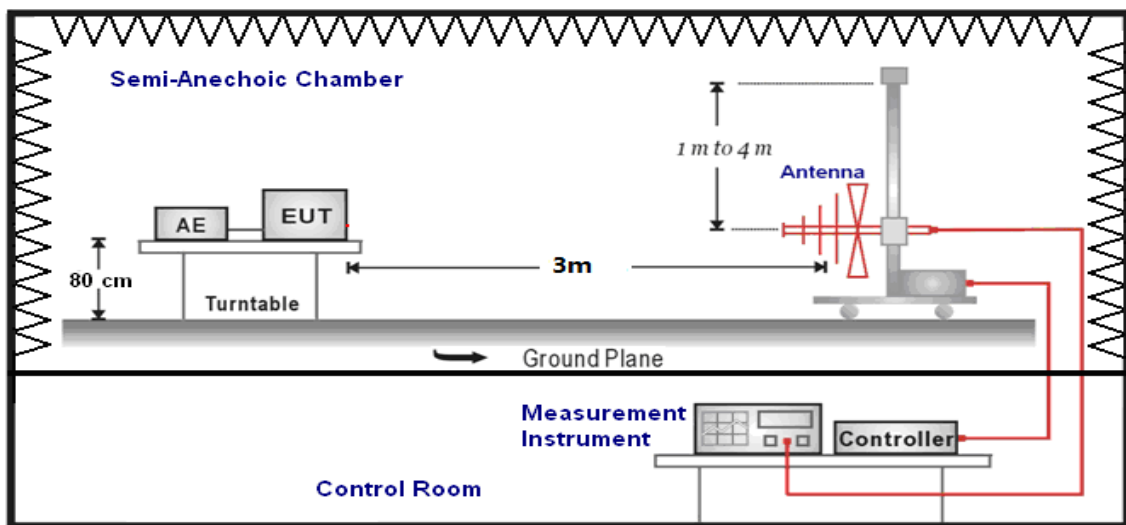
Frequency range (MHz)	Field strength limit ($\mu\text{V}/\text{m}$)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

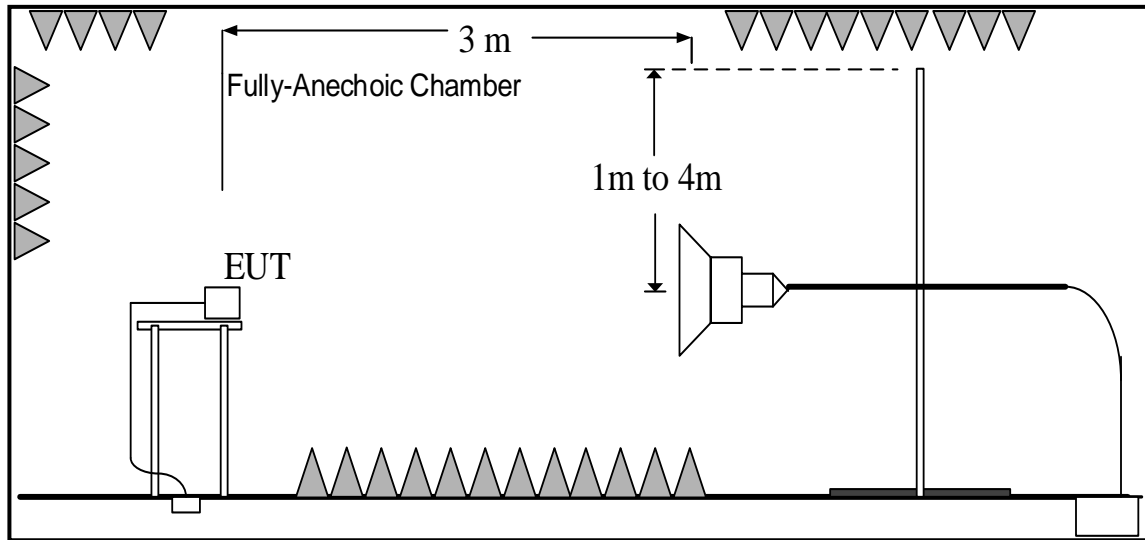
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

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-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
		UT04aa/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
			UT04aa/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
		UT04aa/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
			UT04aa/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.	

Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.2	
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
			UT04aa/Set.2	
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.	

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/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
			UT04aa/Set.2	
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.	

GSM receiver 850MHz

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.1	
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 (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT04aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.18.	P
18000 to 26500	54.00	74.00	See Figure A.1.19.	
26500 to 40000	54.00	74.00	See Figure A.1.20.	

WCDMA receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.1	
30-88	40.00	See Figure A.1.21.	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
			UT04aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.22.	P
18000 to 26500	54.00	74.00	See Figure A.1.23.	
26500 to 40000	54.00	74.00	See Figure A.1.24.	

LTE receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.1	
30-88	40.00	See Figure A.1.25.	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
			UT04aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.26.	P
18000 to 26500	54.00	74.00	See Figure A.1.27.	
26500 to 40000	54.00	74.00	See Figure A.1.28.	

LTE receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.1	
30-88	40.00	See Figure A.1.29.	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
			UT04aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.30.	P
18000 to 26500	54.00	74.00	See Figure A.1.31.	
26500 to 40000	54.00	74.00	See Figure A.1.32.	

LTE receiver Band 13

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.1	
30-88	40.00	See Figure A.1.33.	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
			UT04aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.34.	P
18000 to 26500	54.00	74.00	See Figure A.1.35.	
26500 to 40000	54.00	74.00	See Figure A.1.36.	

LTE receiver Band 17

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.1	
30-88	40.00	See Figure A.1.37.	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
			UT04aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.38.	P
18000 to 26500	54.00	74.00	See Figure A.1.39.	
26500 to 40000	54.00	74.00	See Figure A.1.40.	

LTE receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.2	
30-88	40.00	See Figure A.1.41.	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
			UT04aa/Set.2	
1000 to 18000	54.00	74.00	See Figure A.1.42.	P
18000 to 26500	54.00	74.00	See Figure A.1.43.	
26500 to 40000	54.00	74.00	See Figure A.1.44.	

Data Transfer: PC TO EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.3	
30-88	40.00	See Figure A.1.45.	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
			UT04aa/Set.3	
1000 to 18000	54.00	74.00	See Figure A.1.46.	P
18000 to 26500	54.00	74.00	See Figure A.1.47.	
26500 to 40000	54.00	74.00	See Figure A.1.48.	

Data Transfer: PC TO TF Card

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.3	
30-88	40.00	See Figure A.1.49.	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
			UT04aa/Set.3	
1000 to 18000	54.00	74.00	See Figure A.1.50.	P
18000 to 26500	54.00	74.00	See Figure A.1.51.	
26500 to 40000	54.00	74.00	See Figure A.1.52.	

Data Transfer: EUT TO PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.3	
30-88	40.00	See Figure A.1.53.	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
			UT04aa/Set.3	
1000 to 18000	54.00	74.00	See Figure A.1.54.	P
18000 to 26500	54.00	74.00	See Figure A.1.55.	
26500 to 40000	54.00	74.00	See Figure A.1.56.	

Data Transfer: TF Card TO PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT04aa/Set.3	
30-88	40.00	See Figure A.1.57.	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
			UT04aa/Set.3	
1000 to 18000	54.00	74.00	See Figure A.1.58.	P
18000 to 26500	54.00	74.00	See Figure A.1.59.	
26500 to 40000	54.00	74.00	See Figure A.1.60.	

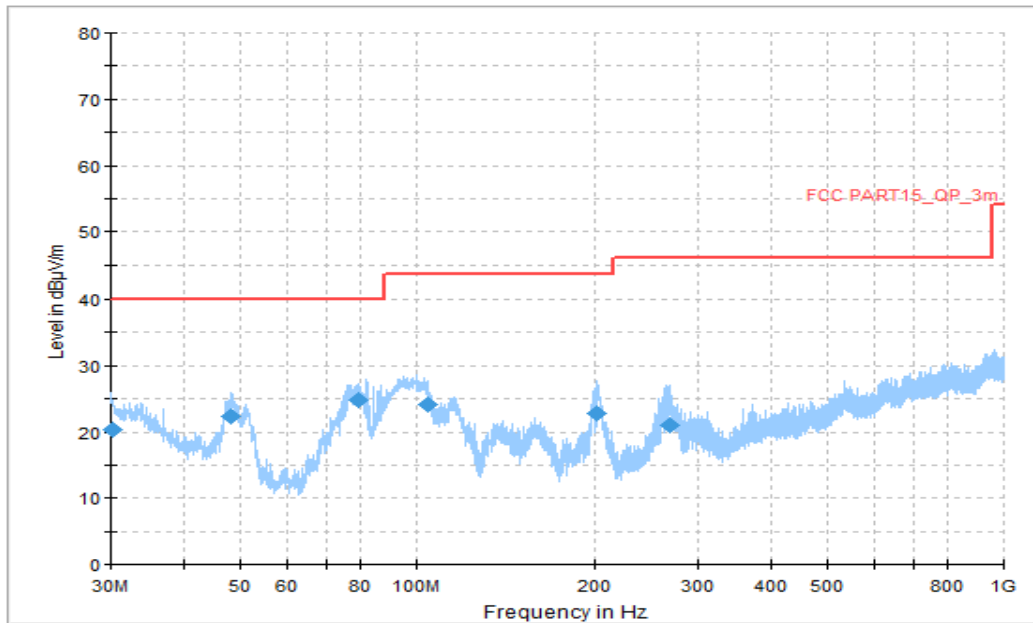


Figure A.1.1. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.323333	20.36	40.00	19.64	V	-13	33.36
48.268333	22.37	40.00	17.63	V	-22	44.37
79.308333	24.89	40.00	15.11	V	-22	46.89
104.366667	24.16	43.52	19.36	V	-20	44.16
201.959444	22.83	43.52	20.69	V	-17	39.83
267.811667	20.90	46.02	25.12	H	-14	34.90

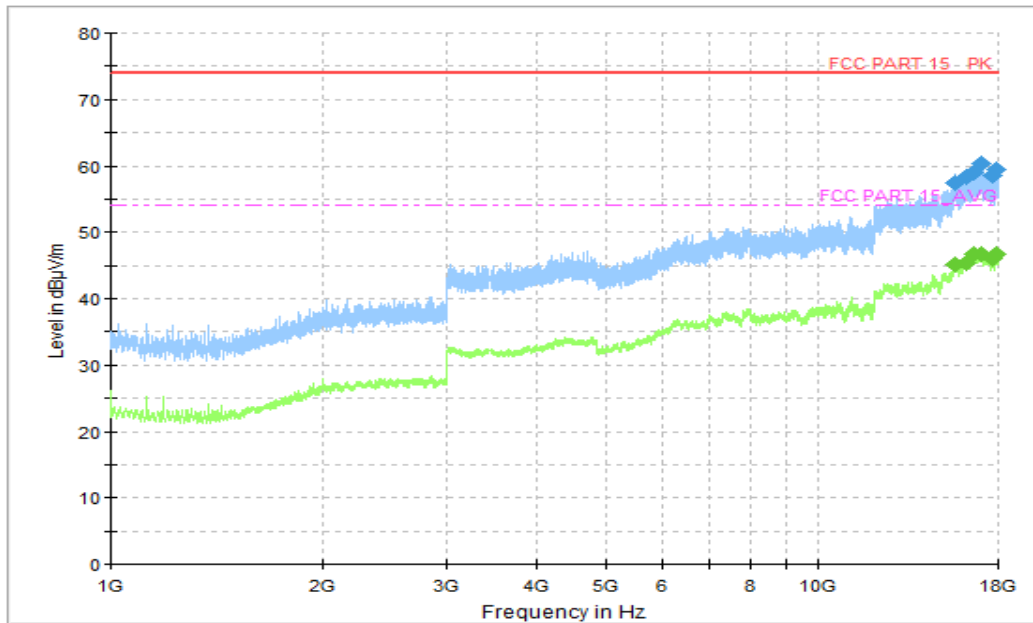


Figure A.1.2. Radiated Emission (Camera , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15600.250000	57.52	74.00	16.48	H	20	37.52
16263.750000	58.36	74.00	15.64	V	21	37.36
16656.750000	59.06	74.00	14.94	V	22	37.06
17048.750000	60.31	74.00	13.69	V	22	38.31
17659.750000	58.58	74.00	15.42	H	23	35.58
17894.250000	59.47	74.00	14.53	H	24	35.47

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15600.250000	45.20	54.00	8.80	H	20	25.20
16263.750000	45.44	54.00	8.56	V	21	24.44
16656.750000	46.62	54.00	7.38	V	22	24.62
17048.750000	46.67	54.00	7.33	V	22	24.67
17659.750000	45.96	54.00	8.04	H	23	22.96
17894.250000	46.68	54.00	7.32	H	24	22.68

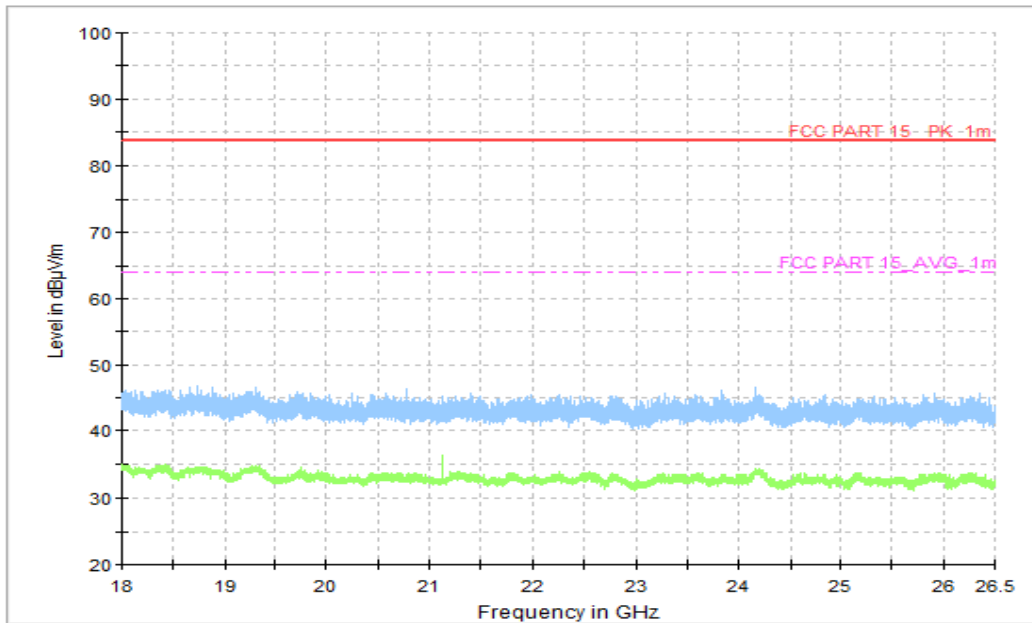


Figure A.1.3. Radiated Emission (Camera , 18GHz to 26.5GHz)

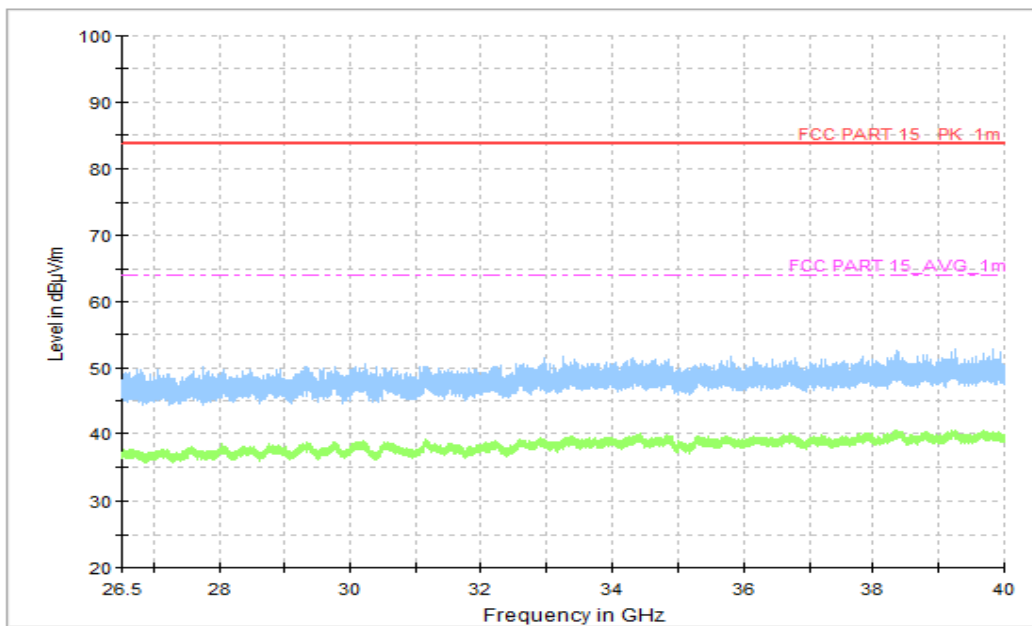


Figure A.1.4. Radiated Emission (Camera , 26.5GHz to 40GHz)

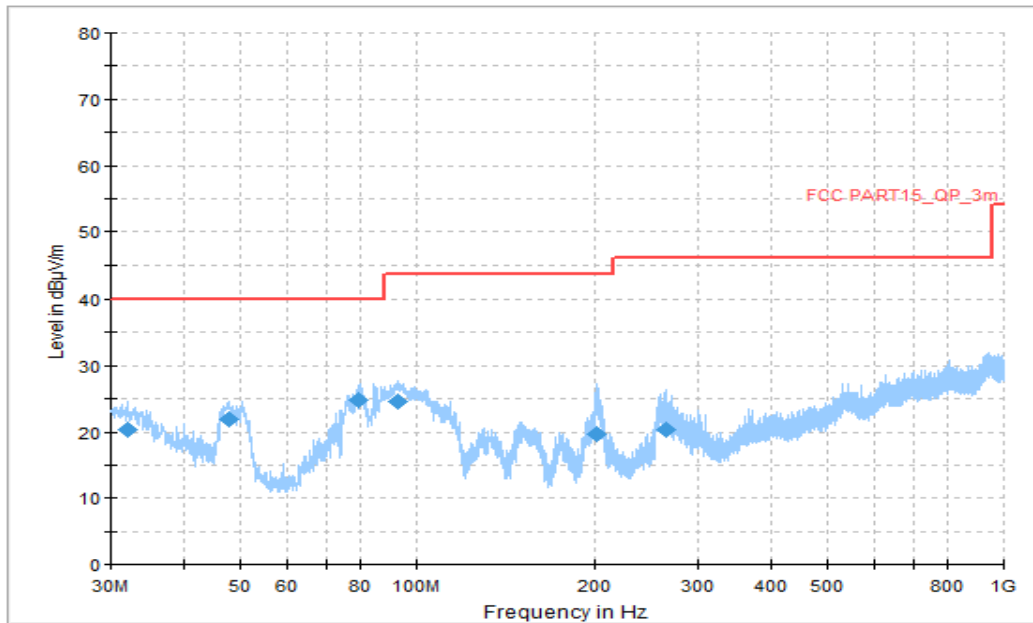


Figure A.1.5. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
31.993889	20.24	40.00	19.76	V	-14	34.24
47.837222	21.82	40.00	18.18	V	-21	42.82
79.523889	24.86	40.00	15.14	V	-22	46.86
93.103889	24.64	43.52	18.88	V	-21	45.64
201.959444	19.67	43.52	23.85	V	-17	36.67
264.416667	20.33	46.02	25.69	H	-14	34.33

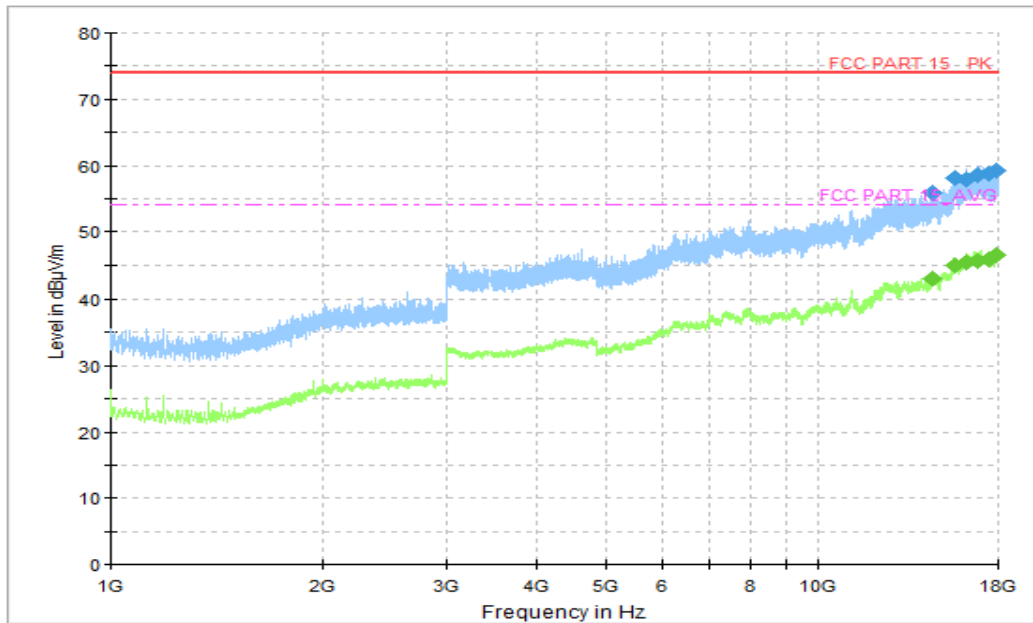


Figure A.1.6. Radiated Emission (Video Player , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
14544.250000	55.77	74.00	18.23	V	18	37.77
15594.750000	58.04	74.00	15.96	H	20	38.04
16261.750000	57.80	74.00	16.20	V	21	36.80
16858.250000	58.57	74.00	15.43	V	22	36.57
17434.000000	58.71	74.00	15.29	H	22	36.71
17913.500000	59.12	74.00	14.88	H	24	35.12

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
14544.250000	42.82	54.00	11.18	V	18	24.82
15594.750000	44.95	54.00	9.05	H	20	24.95
16261.750000	45.38	54.00	8.62	V	21	24.38
16858.250000	45.52	54.00	8.48	V	22	23.52
17434.000000	45.82	54.00	8.18	H	22	23.82
17913.500000	46.53	54.00	7.47	H	24	22.53

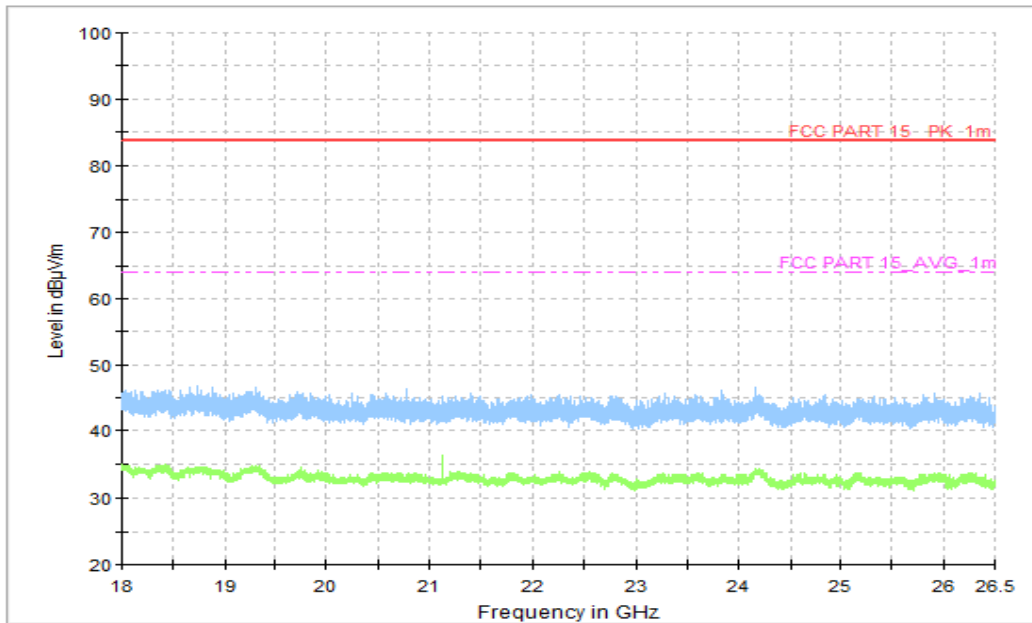


Figure A.1.7. Radiated Emission (Video Player , 18GHz to 26.5GHz)

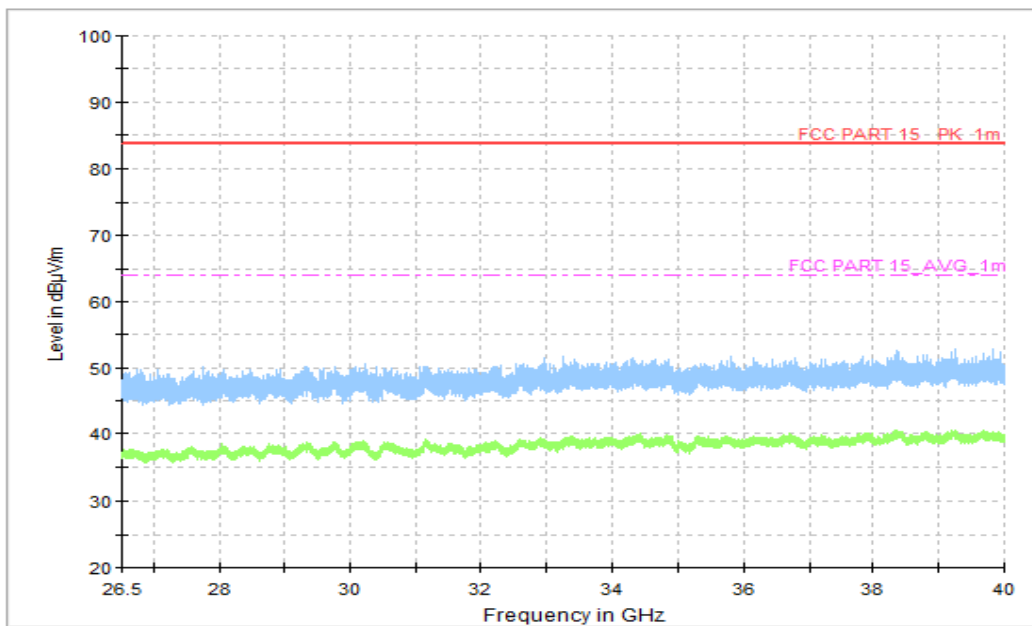


Figure A.1.8. Radiated Emission (Video Player , 26.5GHz to 40GHz)

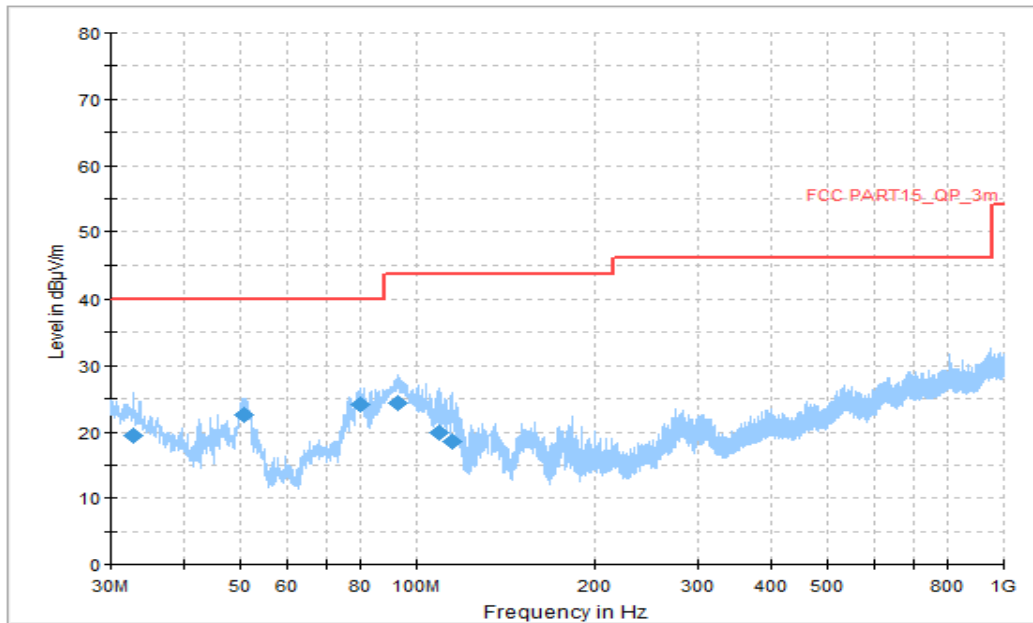


Figure A.1.9. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
32.802222	19.46	40.00	20.54	V	-14	33.46
50.693333	22.62	40.00	17.38	V	-22	44.62
80.008889	24.10	40.00	15.90	V	-22	46.10
92.726667	24.43	43.52	19.09	V	-21	45.43
108.839444	19.91	43.52	23.61	V	-20	39.91
115.036667	18.48	43.52	25.04	V	-20	38.48

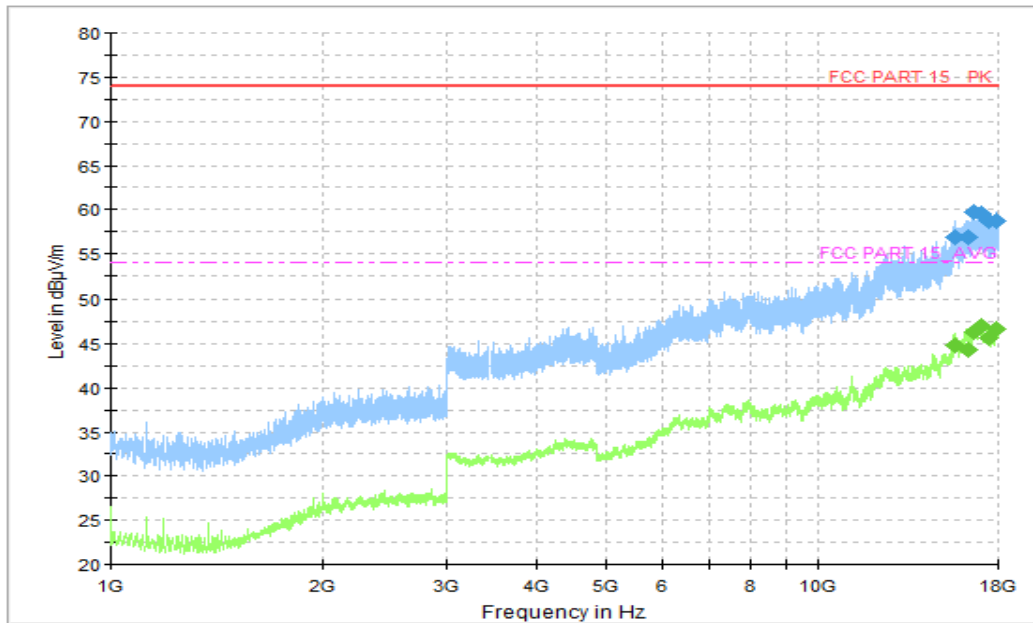


Figure A.1.10. Radiated Emission (Camera , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15595.500000	56.93	74.00	17.07	V	20	36.93
16319.500000	56.91	74.00	17.09	H	21	35.91
16572.000000	59.64	74.00	14.36	H	22	37.64
17010.500000	59.56	74.00	14.44	H	23	36.56
17456.500000	58.65	74.00	15.35	H	22	36.65
17916.750000	58.76	74.00	15.24	V	24	34.76

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15595.500000	44.73	54.00	9.27	V	20	24.73
16319.500000	44.25	54.00	9.75	H	21	23.25
16572.000000	46.23	54.00	7.77	H	22	24.23
17010.500000	47.02	54.00	6.98	H	23	24.02
17456.500000	45.56	54.00	8.44	H	22	23.56
17916.750000	46.57	54.00	7.43	V	24	22.57

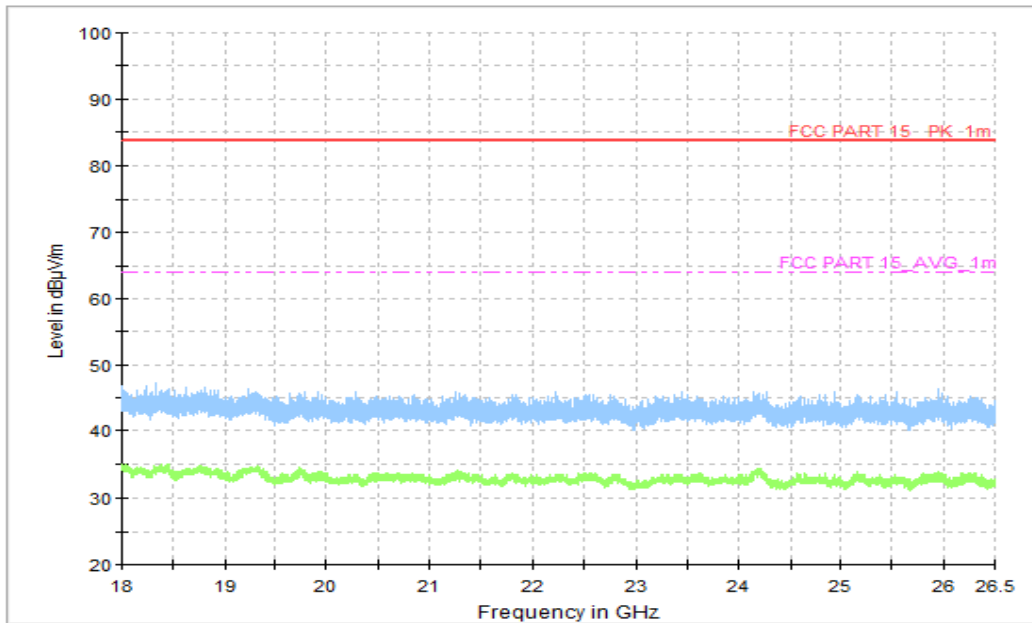


Figure A.1.11. Radiated Emission (Camera , 18GHz to 26.5GHz)

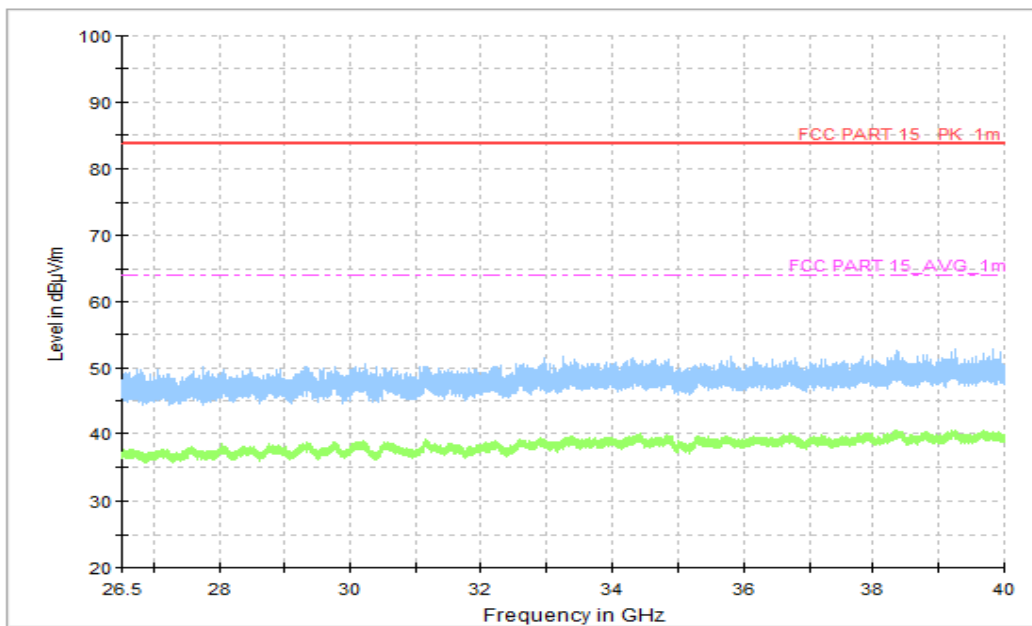


Figure A.1.12. Radiated Emission (Camera , 26.5GHz to 40GHz)

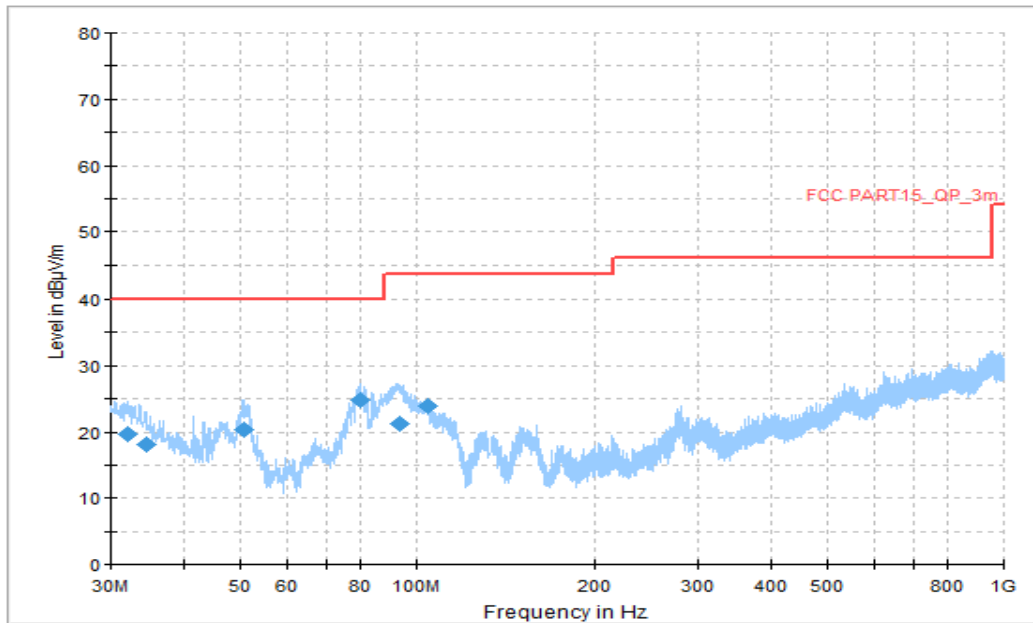


Figure A.1.13. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
32.155556	19.69	40.00	20.31	V	-14	33.69
34.526667	18.05	40.00	21.95	V	-15	33.05
50.747222	20.24	40.00	19.76	V	-22	42.24
79.793333	24.89	40.00	15.11	V	-22	46.89
93.535000	21.20	43.52	22.32	V	-21	42.20
104.258889	23.94	43.52	19.58	V	-20	43.94

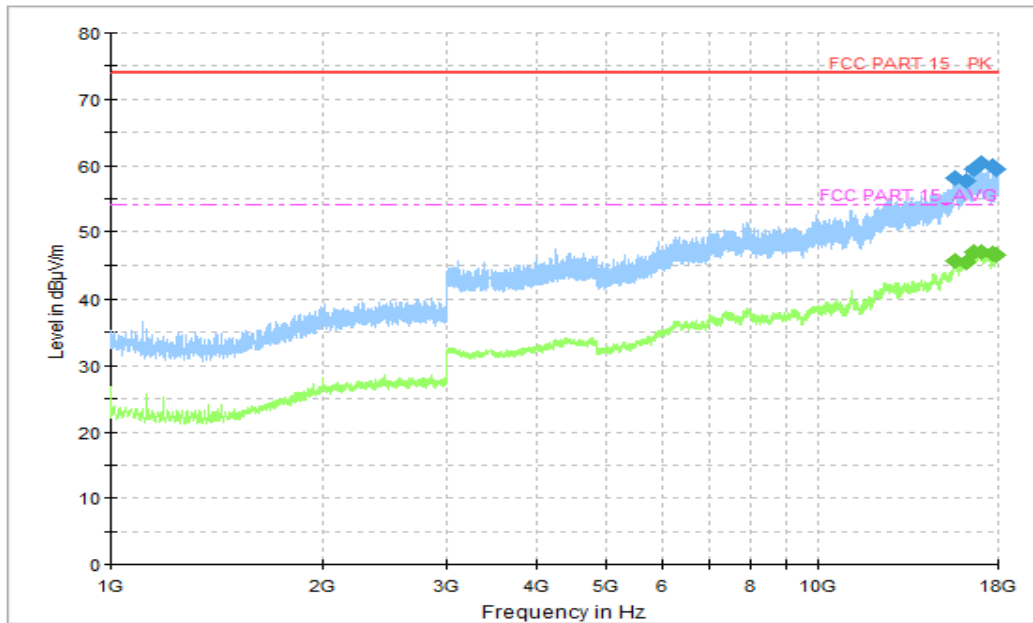


Figure A.1.14. Radiated Emission (Video Player , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15673.500000	58.05	74.00	15.95	V	20	38.05
16262.500000	57.75	74.00	16.25	V	21	36.75
16648.750000	59.51	74.00	14.49	H	22	37.51
17025.750000	60.26	74.00	13.74	H	23	37.26
17700.500000	59.84	74.00	14.16	H	23	36.84
17916.500000	59.37	74.00	14.63	V	24	35.37

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15673.500000	45.56	54.00	8.44	V	20	25.56
16262.500000	45.38	54.00	8.62	V	21	24.38
16648.750000	46.83	54.00	7.17	H	22	24.83
17025.750000	47.03	54.00	6.97	H	23	24.03
17700.500000	46.80	54.00	7.20	H	23	23.80
17916.500000	46.57	54.00	7.43	V	24	22.57

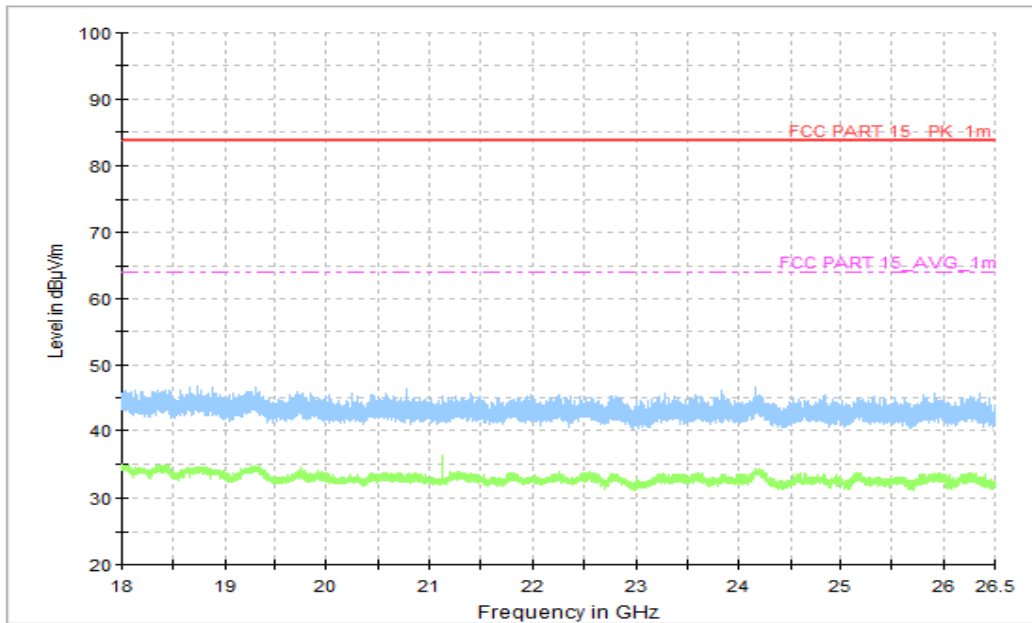


Figure A.1.15. Radiated Emission (Video Player , 18GHz to 26.5GHz)

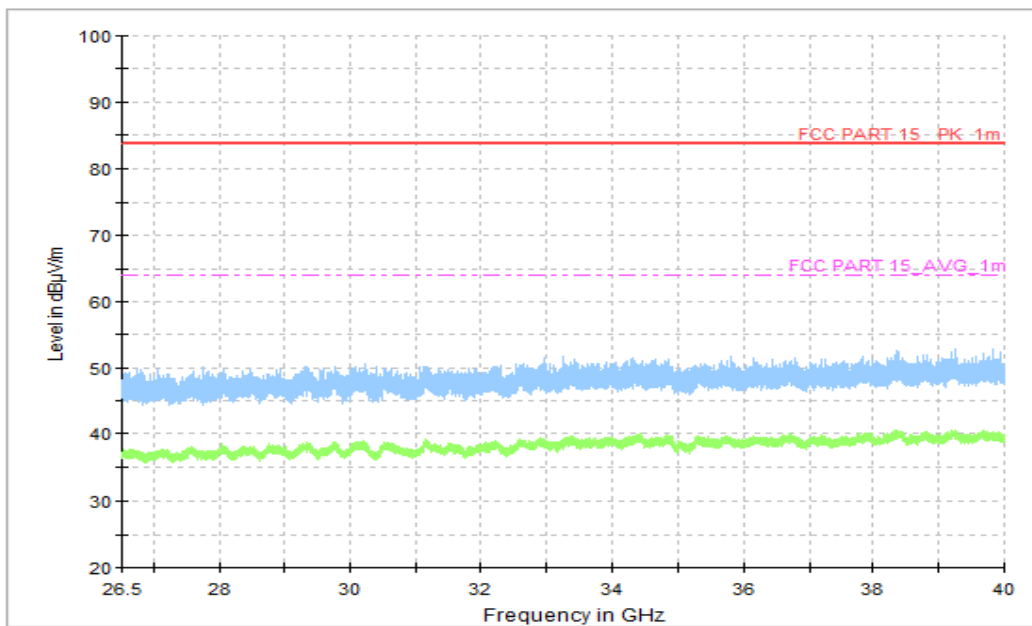


Figure A.1.16. Radiated Emission (Video Player , 26.5GHz to 40GHz)

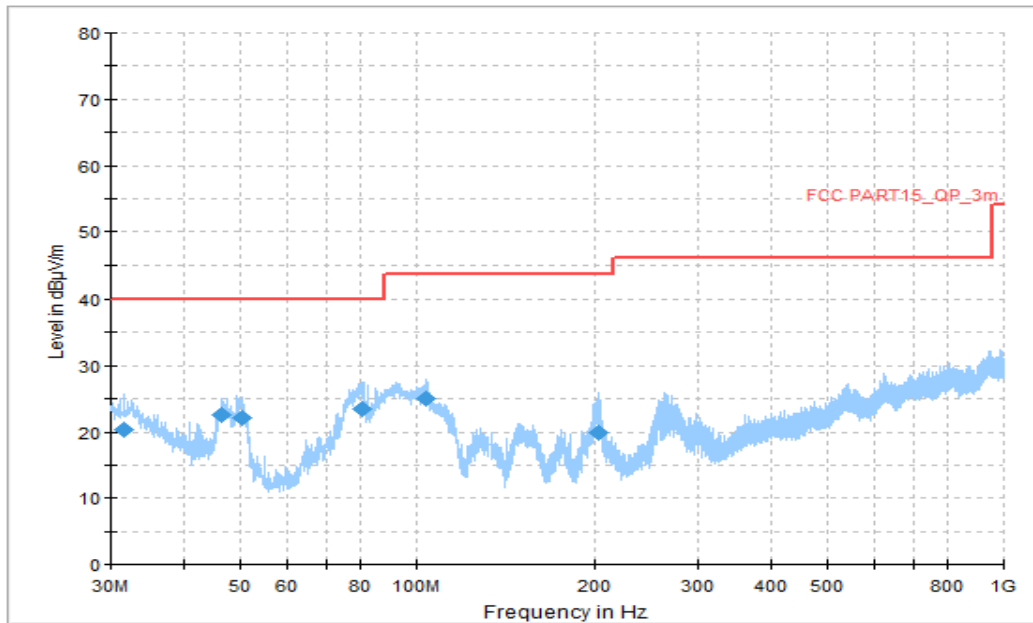


Figure A.1.17. Radiated Emission (GSM receiver 850MHz, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
31.562778	20.23	40.00	19.77	V	-13	33.23
46.328333	22.58	40.00	17.42	V	-21	43.58
50.262222	22.07	40.00	17.93	V	-22	44.07
80.655556	23.55	40.00	16.45	V	-22	45.55
103.935556	24.93	43.52	18.59	V	-20	44.93
203.037222	19.87	43.52	23.65	V	-17	36.87

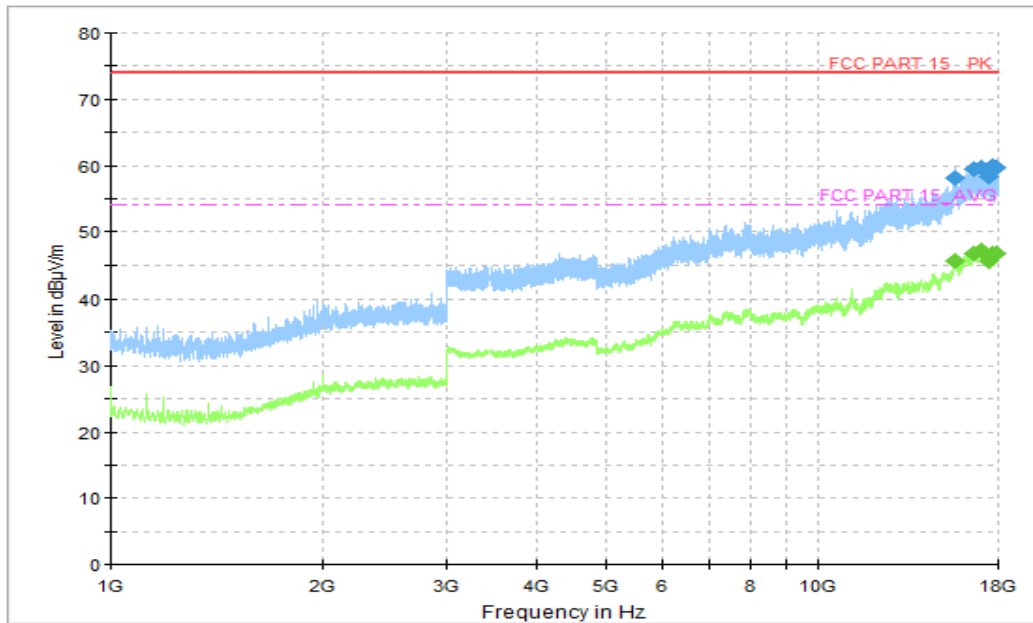


Figure A.1.18. Radiated Emission (GSM receiver 850MHz , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15677.000000	58.17	74.00	15.83	H	20	38.17
16602.500000	59.34	74.00	14.66	H	22	37.34
17027.250000	59.65	74.00	14.35	H	23	36.65
17433.750000	58.40	74.00	15.60	V	22	36.40
17701.000000	59.91	74.00	14.09	V	23	36.91
17897.500000	59.56	74.00	14.44	H	24	35.56

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15677.000000	45.58	54.00	8.42	H	20	25.58
16602.500000	46.79	54.00	7.21	H	22	24.79
17027.250000	47.08	54.00	6.92	H	23	24.08
17433.750000	45.63	54.00	8.37	V	22	23.63
17701.000000	46.78	54.00	7.22	V	23	23.78
17897.500000	46.74	54.00	7.26	H	24	22.74

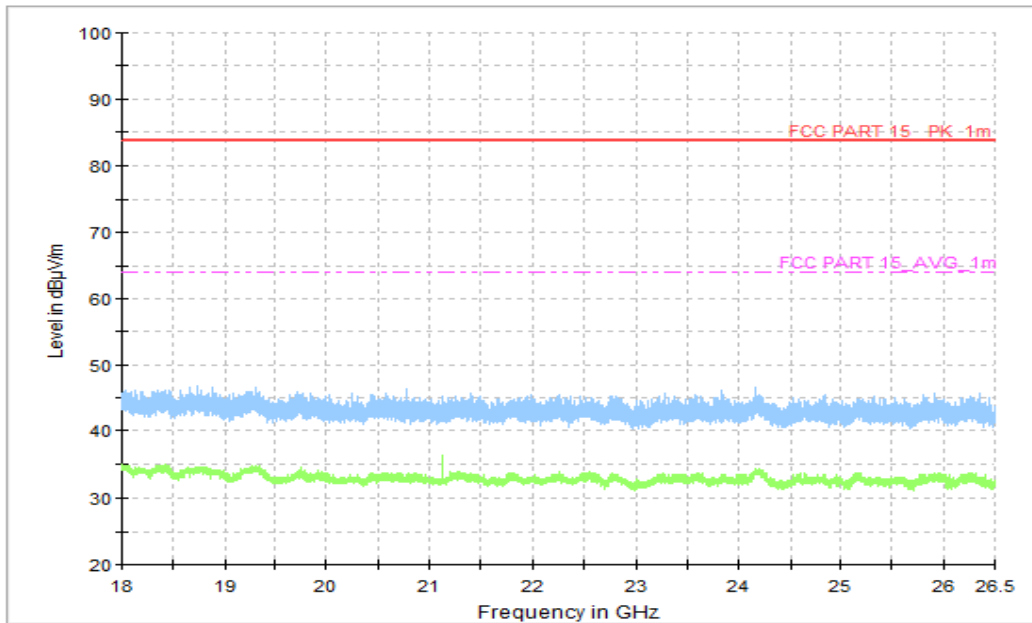


Figure A.1.19. Radiated Emission (GSM receiver 850MHz, 18GHz to 26.5GHz)

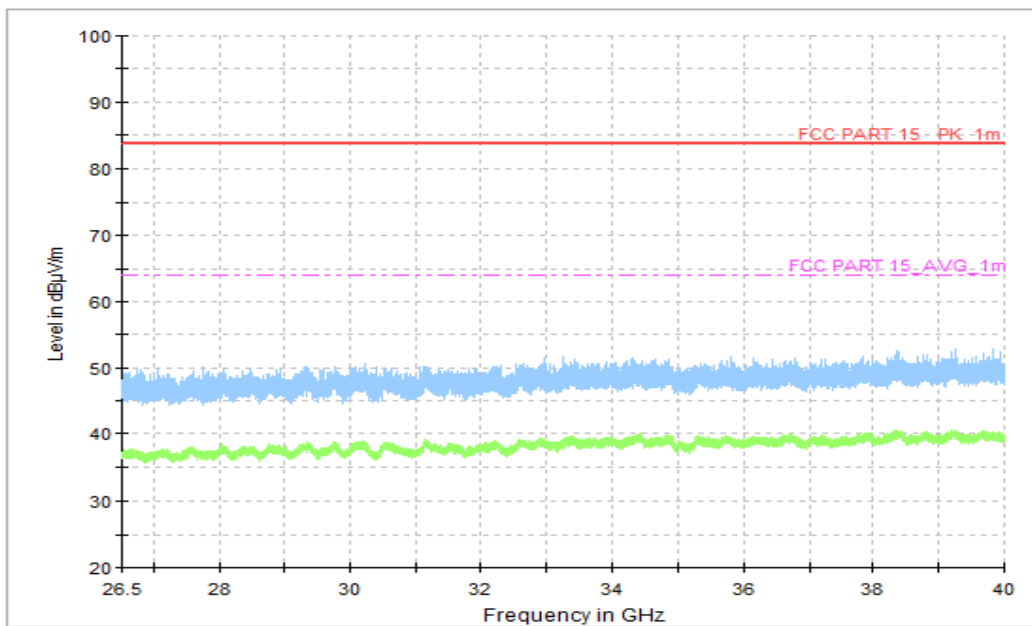


Figure A.1.20. Radiated Emission (GSM receiver 850MHz , 26.5GHz to 40GHz)

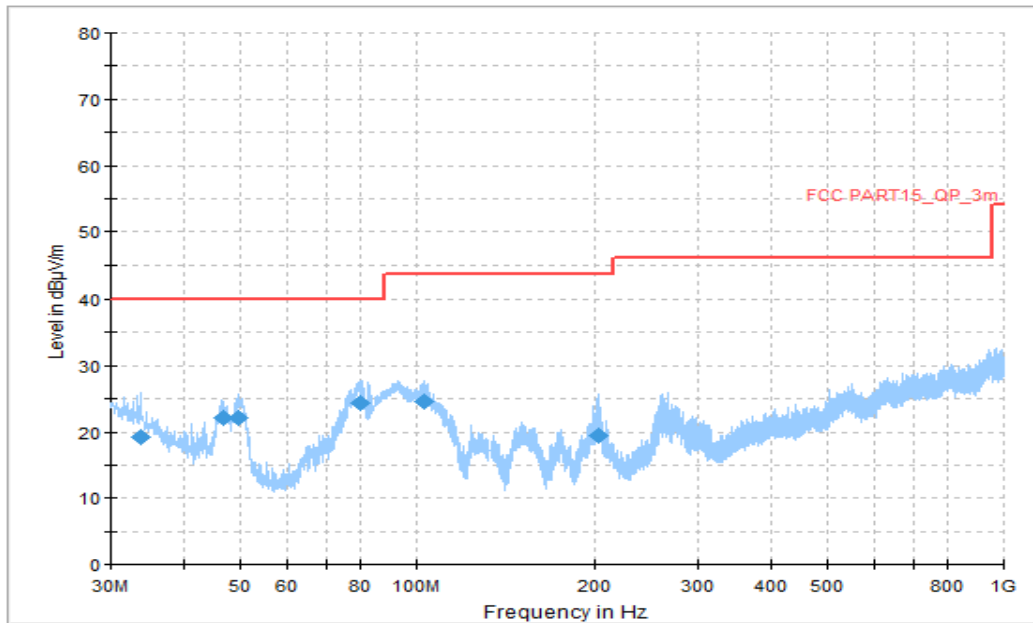


Figure A.1.21. Radiated Emission (WCDMA receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
33.772222	19.23	40.00	20.77	V	-15	34.23
46.867222	22.04	40.00	17.96	V	-21	43.04
49.453889	22.09	40.00	17.91	V	-22	44.09
80.332222	24.46	40.00	15.54	V	-22	46.46
103.019444	24.68	43.52	18.84	V	-20	44.68
203.198889	19.53	43.52	23.99	V	-17	36.53

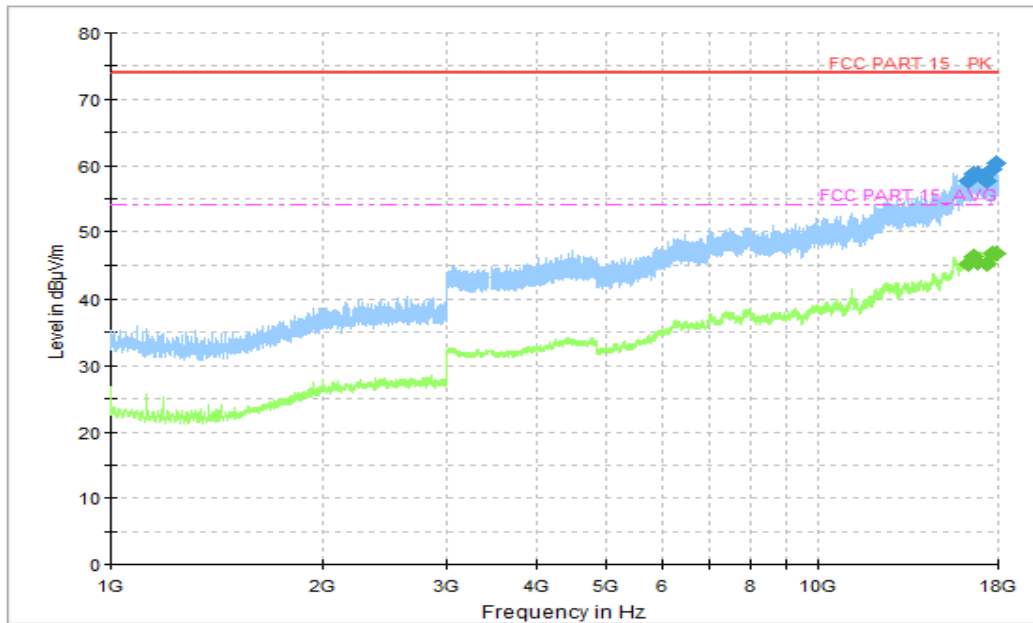


Figure A.1.22. Radiated Emission (WCDMA receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
16284.250000	57.59	74.00	16.41	V	21	36.59
16575.000000	58.86	74.00	15.14	V	22	36.86
16843.750000	58.76	74.00	15.24	H	22	36.76
17391.250000	57.68	74.00	16.32	V	22	35.68
17704.250000	59.37	74.00	14.63	H	23	36.37
17886.000000	60.25	74.00	13.75	H	24	36.25

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
16284.250000	45.09	54.00	8.91	V	21	24.09
16575.000000	46.23	54.00	7.77	V	22	24.23
16843.750000	45.37	54.00	8.63	H	22	23.37
17391.250000	45.07	54.00	8.93	V	22	23.07
17704.250000	46.70	54.00	7.30	H	23	23.70
17886.000000	46.70	54.00	7.30	H	24	22.70

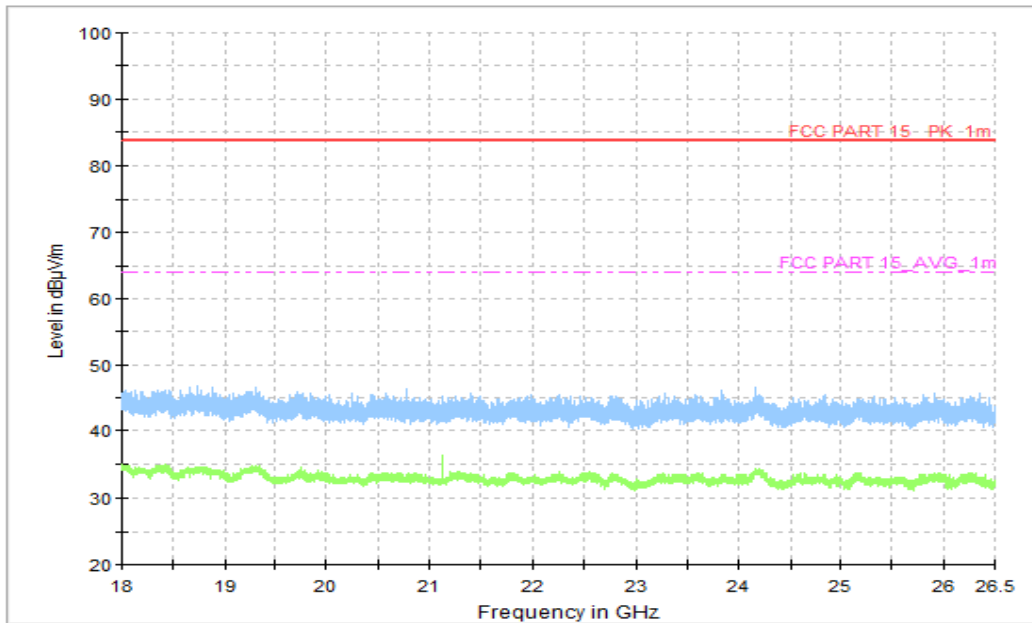


Figure A.1.23. Radiated Emission (WCDMA receiver Band 5, 18GHz to 26.5GHz)

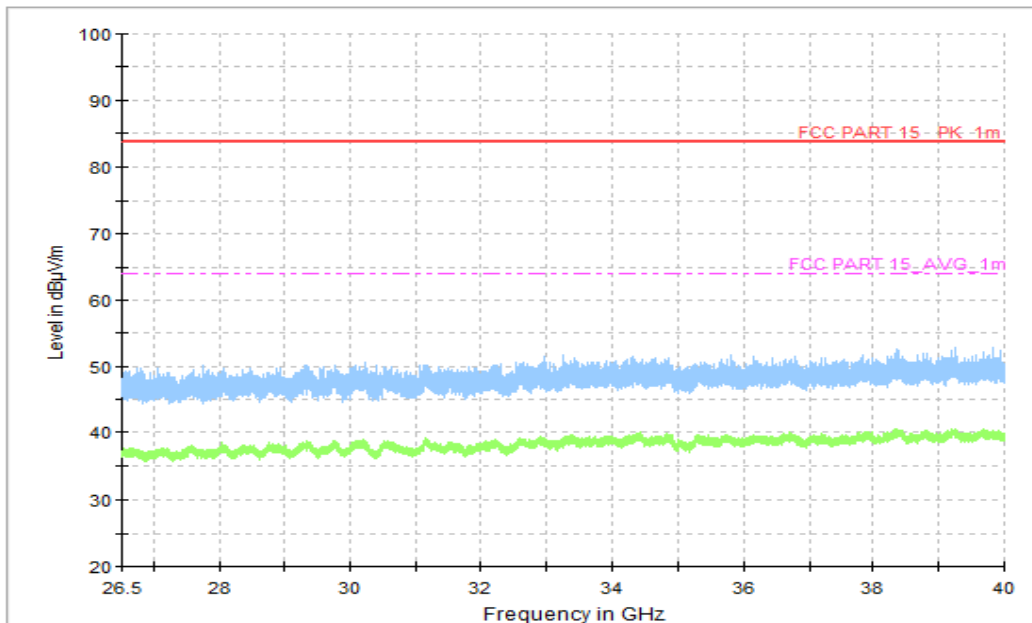


Figure A.1.24. Radiated Emission (WCDMA receiver Band 5, 26.5GHz to 40GHz)

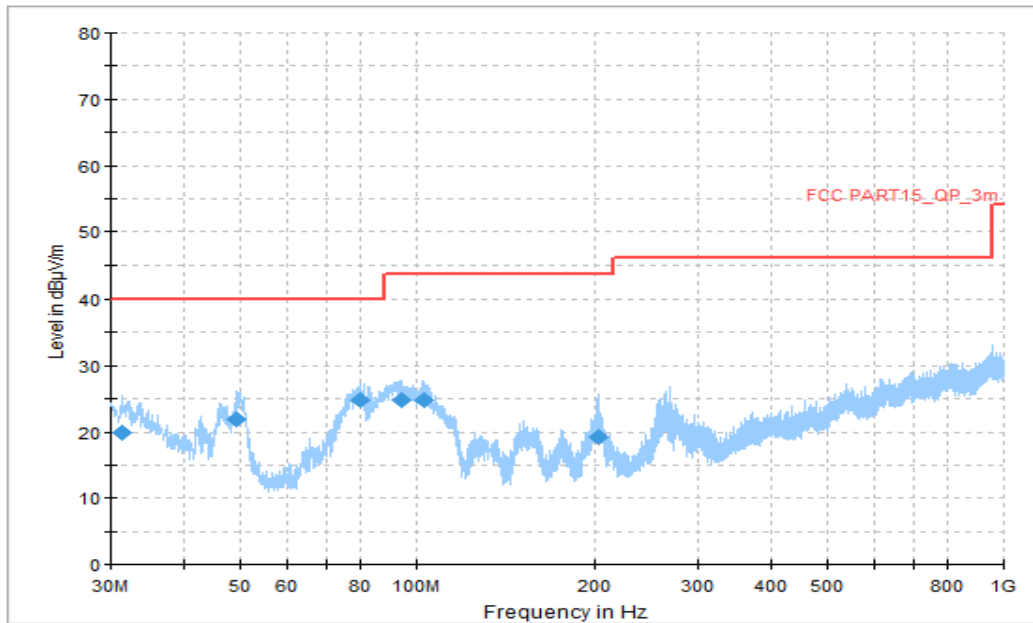


Figure A.1.25. Radiated Emission (LTE receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
31.401111	19.97	40.00	20.03	V	-13	32.97
49.130556	21.85	40.00	18.15	V	-22	43.85
79.793333	24.71	40.00	15.29	V	-22	46.71
94.073889	24.83	43.52	18.69	V	-21	45.83
103.235000	24.91	43.52	18.61	V	-20	44.91
202.282778	19.25	43.52	24.27	V	-17	36.25

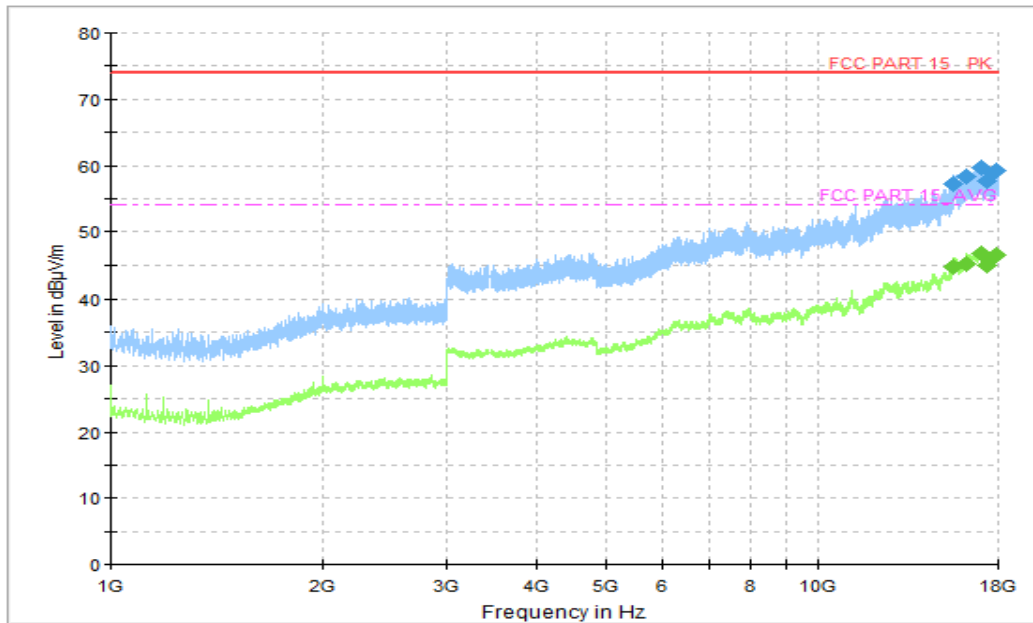


Figure A.1.26. Radiated Emission (LTE receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15577.750000	57.15	74.00	16.85	V	20	37.15
16244.000000	58.40	74.00	15.60	V	21	37.40
16985.500000	59.64	74.00	14.36	V	23	36.64
17340.000000	57.63	74.00	16.37	H	22	35.63
17659.500000	58.78	74.00	15.22	V	23	35.78
17875.250000	59.21	74.00	14.79	V	24	35.21

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15577.750000	44.67	54.00	9.33	V	20	24.67
16244.000000	45.23	54.00	8.77	V	21	24.23
16985.500000	46.76	54.00	7.24	V	23	23.76
17340.000000	44.88	54.00	9.12	H	22	22.88
17659.500000	45.96	54.00	8.04	V	23	22.96
17875.250000	46.59	54.00	7.41	V	24	22.59

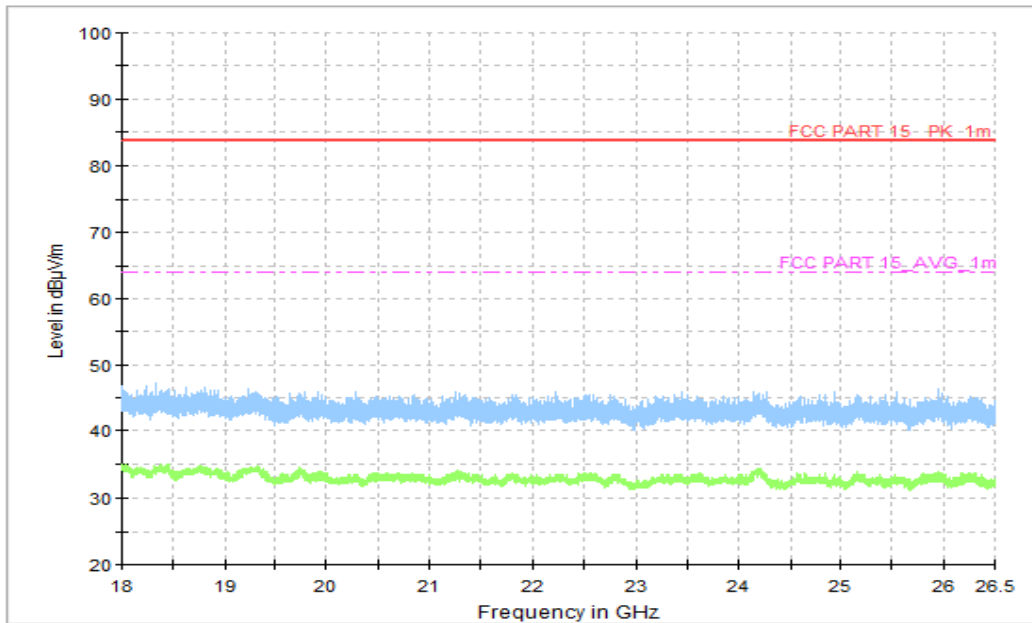


Figure A.1.27. Radiated Emission (LTE receiver Band 5, 18GHz to 26.5GHz)

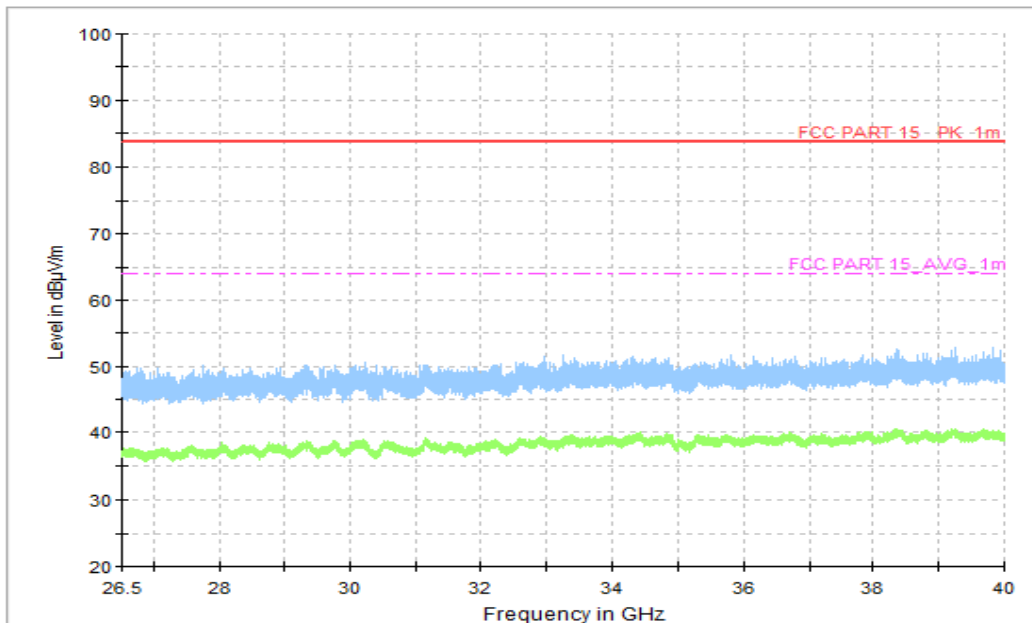


Figure A.1.28. Radiated Emission (LTE receiver Band 5, 26.5GHz to 40GHz)

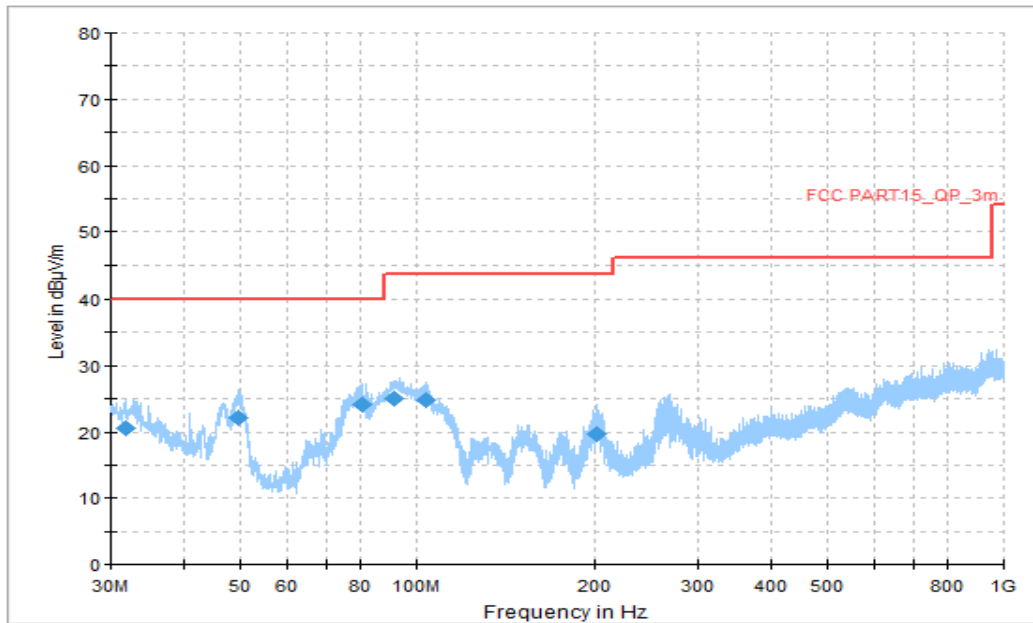


Figure A.1.29. Radiated Emission (LTE receiver Band 12, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
31.778333	20.47	40.00	19.53	V	-14	34.47
49.723333	22.11	40.00	17.89	V	-22	44.11
80.440000	24.15	40.00	15.85	V	-22	46.15
91.379444	25.02	43.52	18.50	V	-21	46.02
103.720000	24.70	43.52	18.82	V	-20	44.70
201.743889	19.68	43.52	23.84	V	-17	36.68

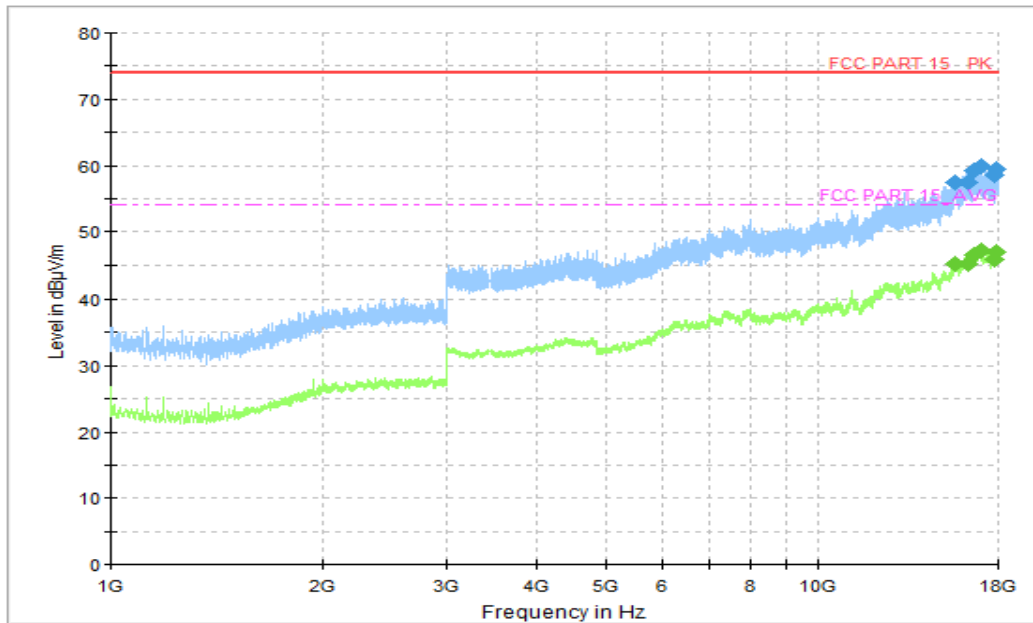


Figure A.1.30. Radiated Emission (LTE receiver Band 12, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15590.750000	57.44	74.00	16.56	H	20	37.44
16276.000000	57.54	74.00	16.46	V	21	36.54
16658.250000	59.14	74.00	14.86	H	22	37.14
17015.750000	59.97	74.00	14.03	H	23	36.97
17747.250000	58.45	74.00	15.55	H	23	35.45
17900.250000	59.48	74.00	14.52	V	24	35.48

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15590.750000	45.10	54.00	8.90	H	20	25.10
16276.000000	45.08	54.00	8.92	V	21	24.08
16658.250000	46.48	54.00	7.52	H	22	24.48
17015.750000	47.11	54.00	6.89	H	23	24.11
17747.250000	45.91	54.00	8.09	H	23	22.91
17900.250000	46.90	54.00	7.10	V	24	22.90

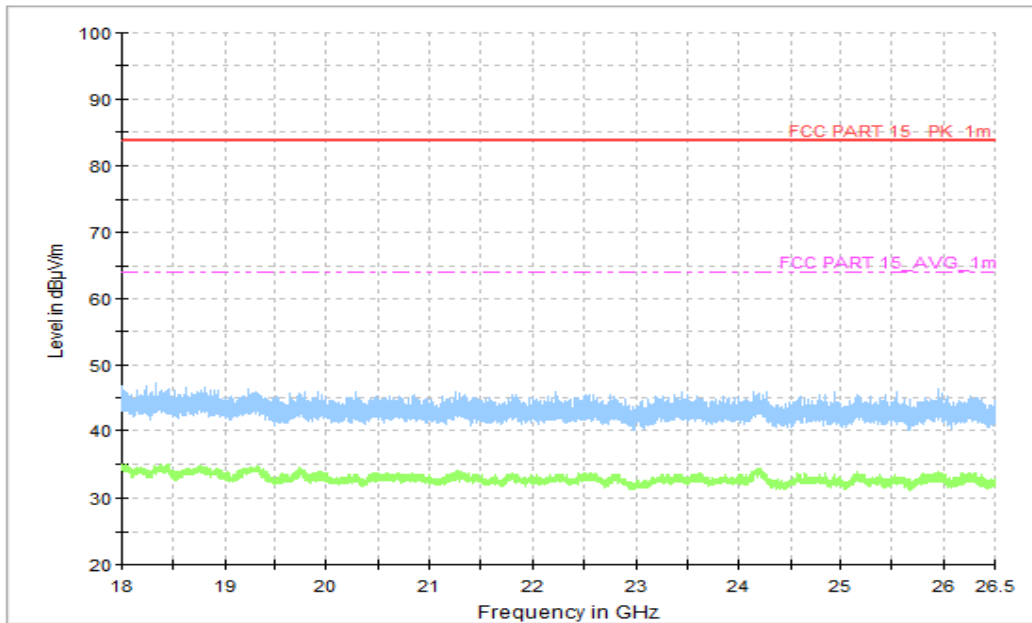


Figure A.1.31. Radiated Emission (LTE receiver Band 12, 18GHz to 26.5GHz)

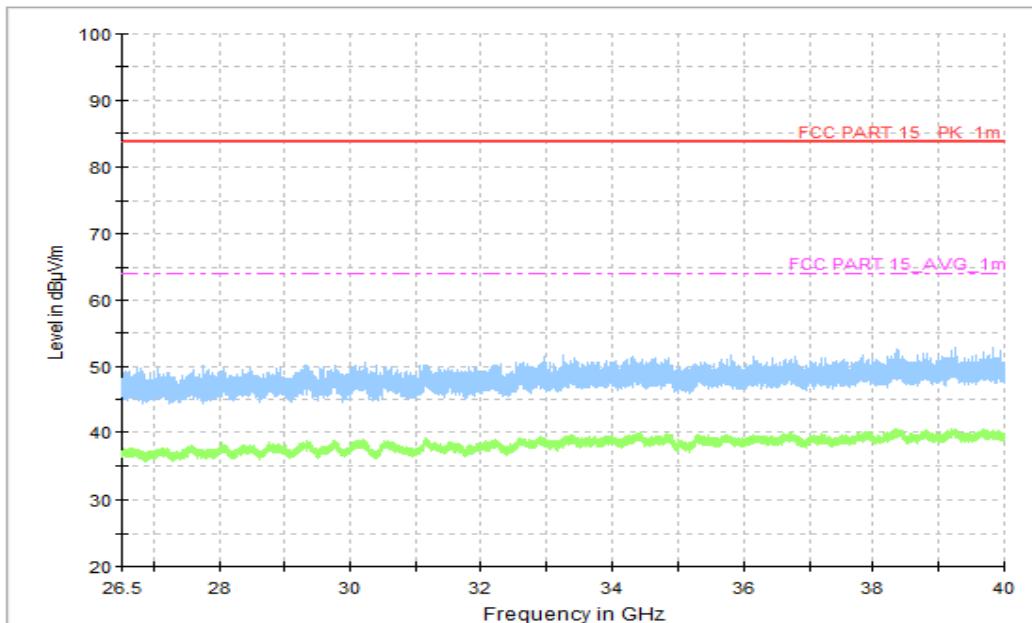


Figure A.1.32. Radiated Emission (LTE receiver Band 12, 26.5GHz to 40GHz)

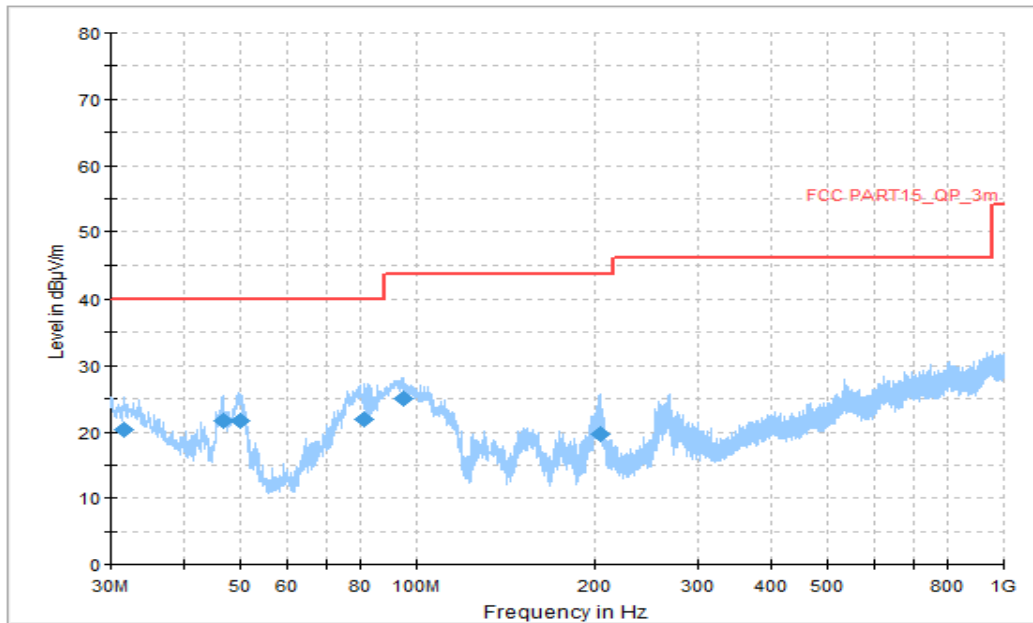


Figure A.1.33. Radiated Emission (LTE receiver Band 13, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
31.670556	20.39	40.00	19.61	V	-14	34.39
46.813333	21.60	40.00	18.40	V	-21	42.60
50.100556	21.78	40.00	18.22	V	-22	43.78
81.356111	21.91	40.00	18.09	V	-22	43.91
94.720556	24.99	43.52	18.53	V	-21	45.99
204.007222	19.75	43.52	23.77	V	-17	36.75

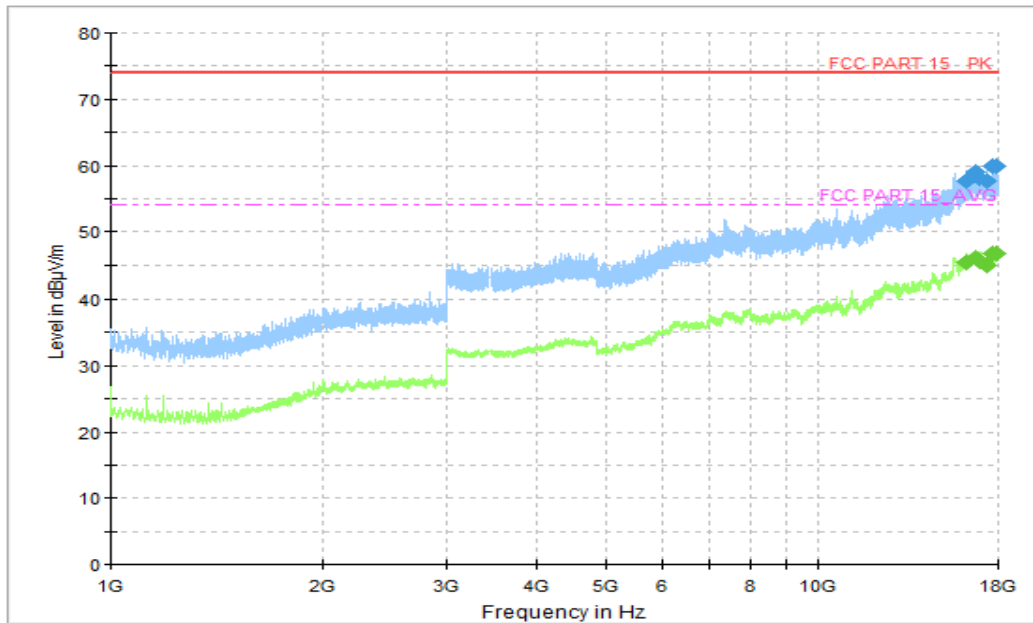


Figure A.1.34. Radiated Emission (LTE receiver Band 13, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
16256.250000	57.74	74.00	16.26	H	21	36.74
16686.000000	59.02	74.00	14.98	H	21	38.02
16928.250000	58.07	74.00	15.93	V	22	36.07
17342.250000	57.58	74.00	16.42	V	22	35.58
17694.000000	59.95	74.00	14.05	H	23	36.95
17894.750000	59.87	74.00	14.13	V	24	35.87

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
16256.250000	45.41	54.00	8.59	H	21	24.41
16686.000000	46.03	54.00	7.97	H	21	25.03
16928.250000	45.49	54.00	8.51	V	22	23.49
17342.250000	44.86	54.00	9.14	V	22	22.86
17694.000000	46.80	54.00	7.20	H	23	23.80
17894.750000	46.70	54.00	7.30	V	24	22.70

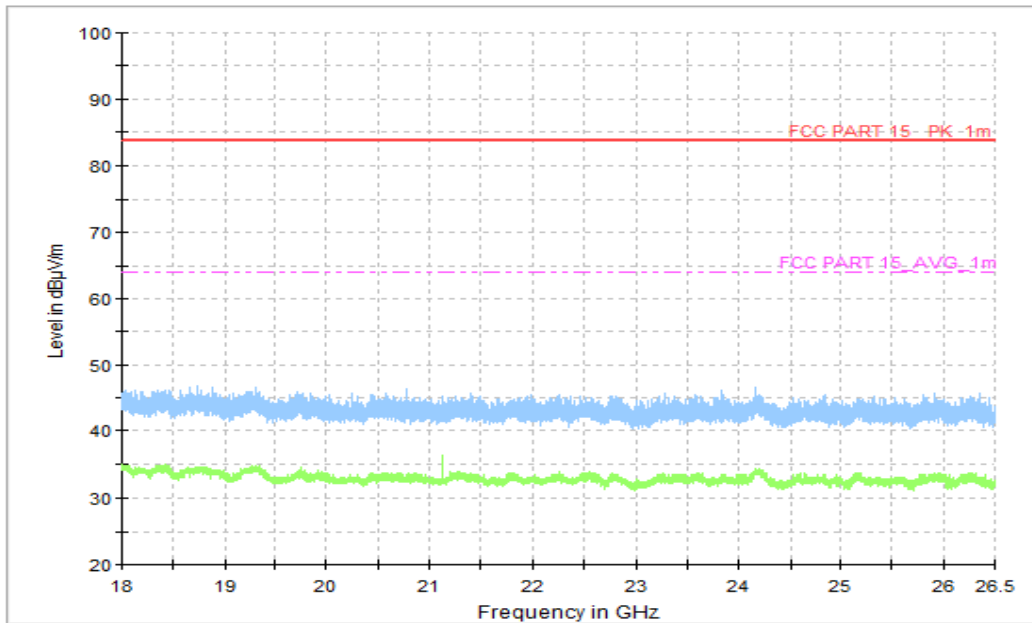


Figure A.1.35. Radiated Emission (LTE receiver Band 13, 18GHz to 26.5GHz)

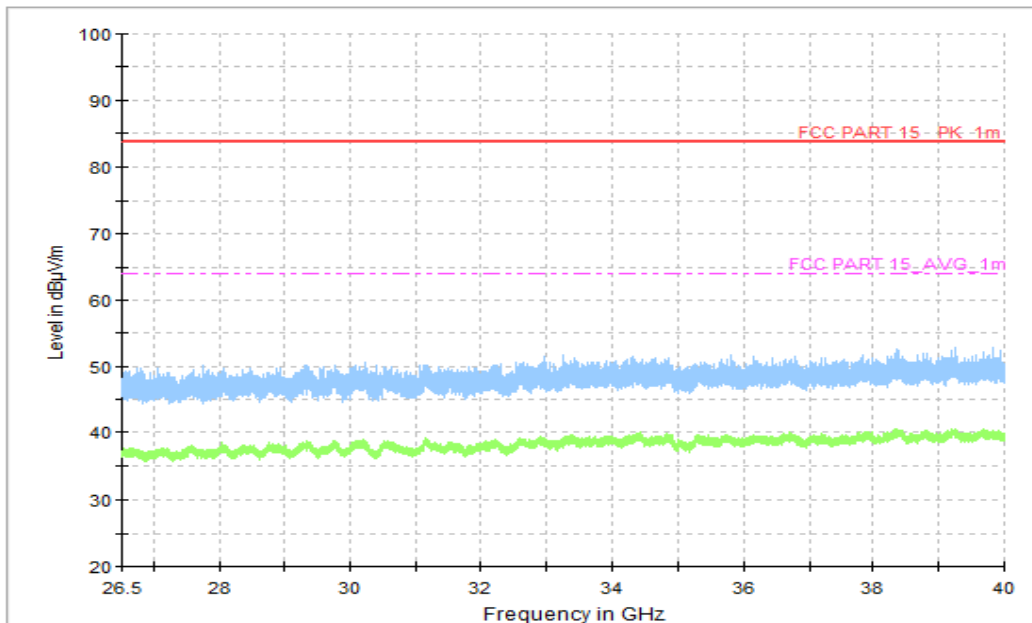


Figure A.1.36. Radiated Emission (LTE receiver Band 13, 26.5GHz to 40GHz)

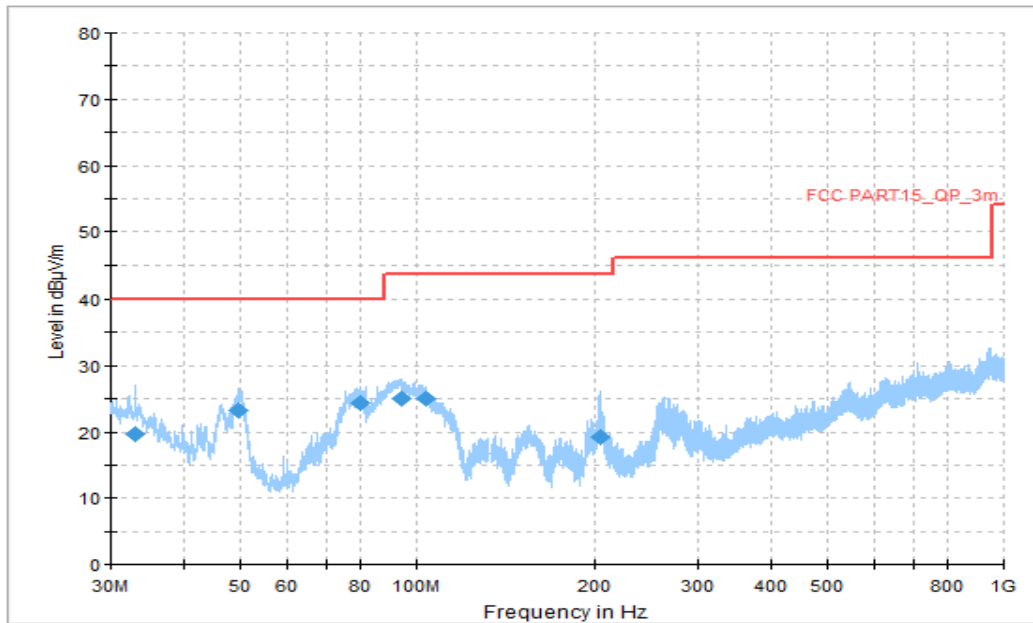


Figure A.1.37. Radiated Emission (LTE receiver Band 17, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
33.017778	19.69	40.00	20.31	V	-14	33.69
49.669444	23.18	40.00	16.82	V	-22	45.18
79.847222	24.44	40.00	15.56	V	-22	46.44
94.020000	25.00	43.52	18.52	V	-21	46.00
103.450556	25.08	43.52	18.44	V	-20	45.08
203.791667	19.28	43.52	24.24	V	-17	36.28

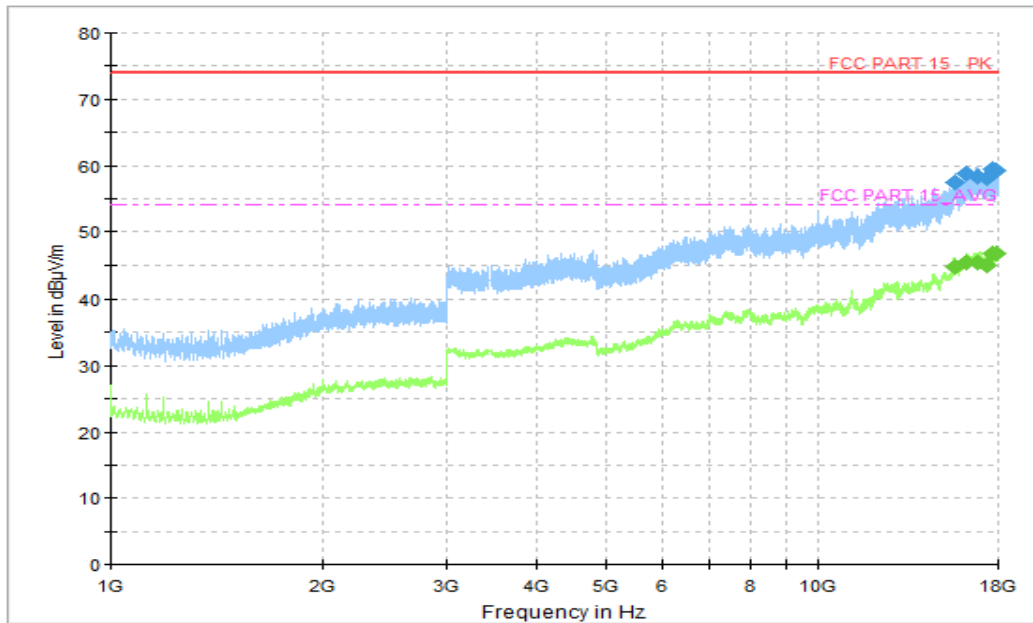


Figure A.1.38. Radiated Emission (LTE receiver Band 17, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15606.750000	57.42	74.00	16.58	H	20	37.42
16258.000000	58.72	74.00	15.28	H	21	37.72
16850.250000	58.28	74.00	15.72	H	22	36.28
17311.250000	57.99	74.00	16.01	H	22	35.99
17687.750000	59.40	74.00	14.60	V	23	36.40
17890.250000	59.22	74.00	14.78	H	24	35.22

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15606.750000	44.78	54.00	9.22	H	20	24.78
16258.000000	45.38	54.00	8.62	H	21	24.38
16850.250000	45.26	54.00	8.74	H	22	23.26
17311.250000	44.98	54.00	9.02	H	22	22.98
17687.750000	46.60	54.00	7.40	V	23	23.60
17890.250000	46.69	54.00	7.31	H	24	22.69

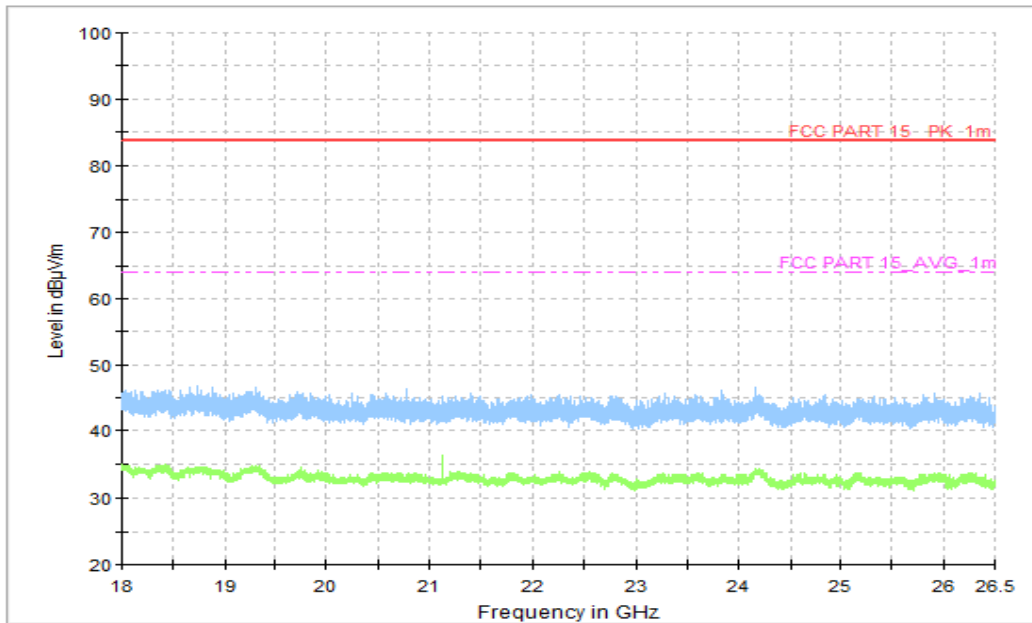


Figure A.1.39. Radiated Emission (LTE receiver Band 17, 18GHz to 26.5GHz)

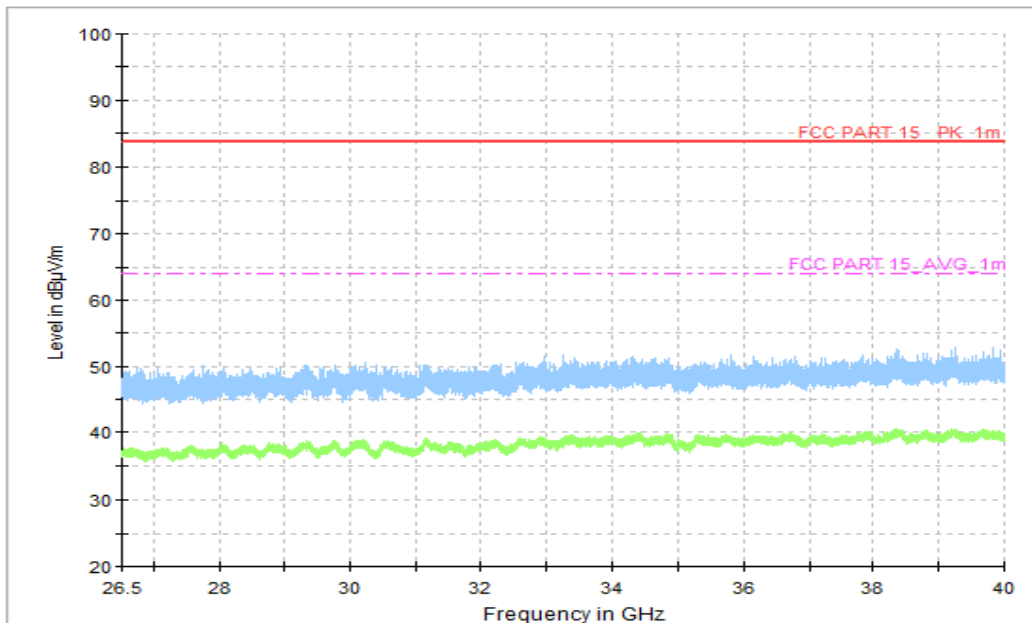


Figure A.1.40. Radiated Emission (LTE receiver Band 17, 26.5GHz to 40GHz)

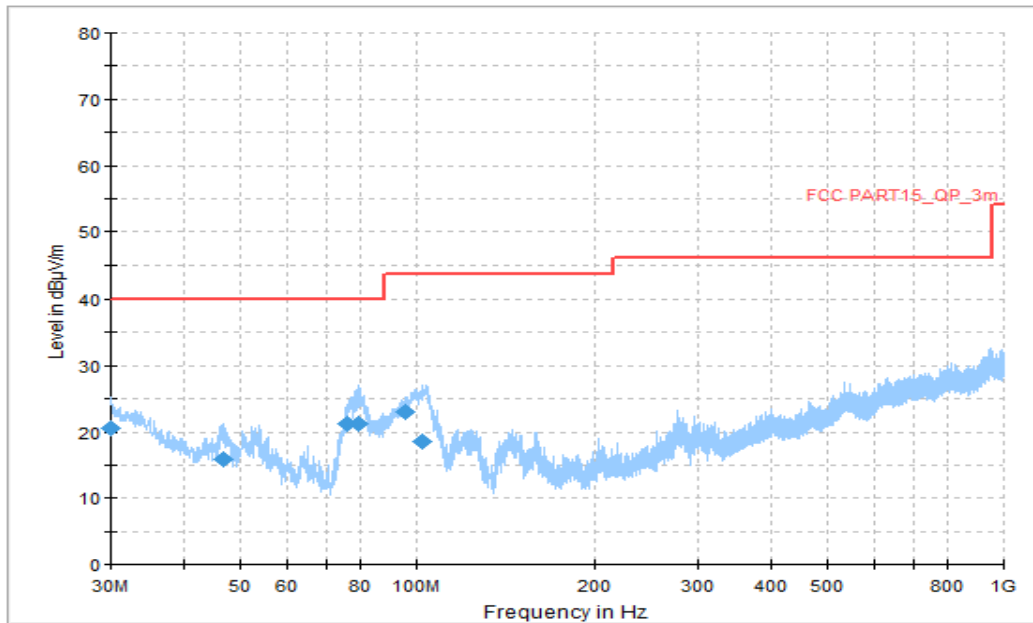


Figure A.1.41. Radiated Emission (LTE receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.107778	20.62	40.00	19.38	V	-13	33.62
46.597778	15.82	40.00	24.18	V	-21	36.82
76.021111	21.13	40.00	18.87	V	-21	42.13
79.685556	21.34	40.00	18.66	V	-22	43.34
95.259444	23.05	43.52	20.47	V	-21	44.05
101.941667	18.56	43.52	24.96	V	-20	38.56

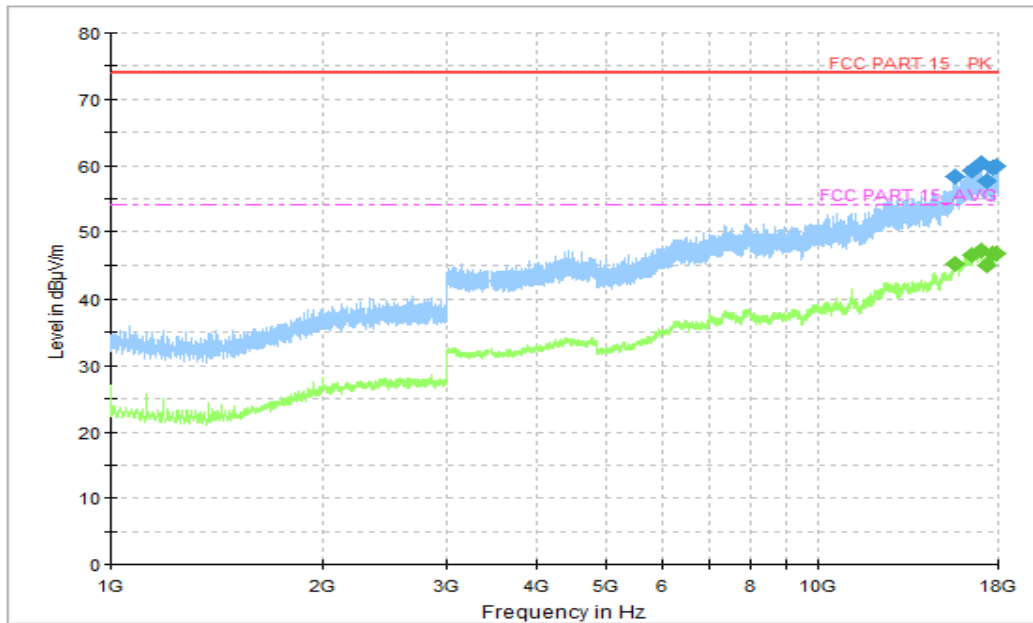


Figure A.1.42. Radiated Emission (LTE receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15623.500000	58.31	74.00	15.69	H	20	38.31
16571.250000	59.12	74.00	14.88	H	22	37.12
16999.250000	60.30	74.00	13.70	H	23	37.30
17328.500000	57.62	74.00	16.38	V	22	35.62
17703.500000	59.69	74.00	14.31	H	23	36.69
17895.000000	59.79	74.00	14.21	H	24	35.79

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15623.500000	45.13	54.00	8.87	H	20	25.13
16571.250000	46.43	54.00	7.57	H	22	24.43
16999.250000	47.14	54.00	6.86	H	23	24.14
17328.500000	44.89	54.00	9.11	V	22	22.89
17703.500000	46.75	54.00	7.25	H	23	23.75
17895.000000	46.76	54.00	7.24	H	24	22.76

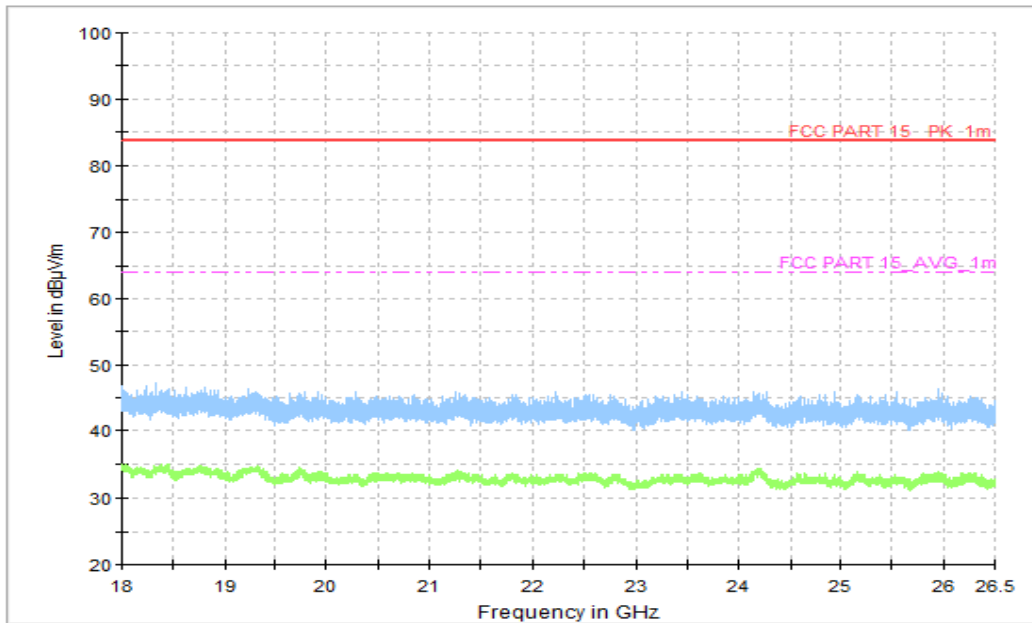


Figure A.1.43. Radiated Emission (LTE receiver Band 5, 18GHz to 26.5GHz)

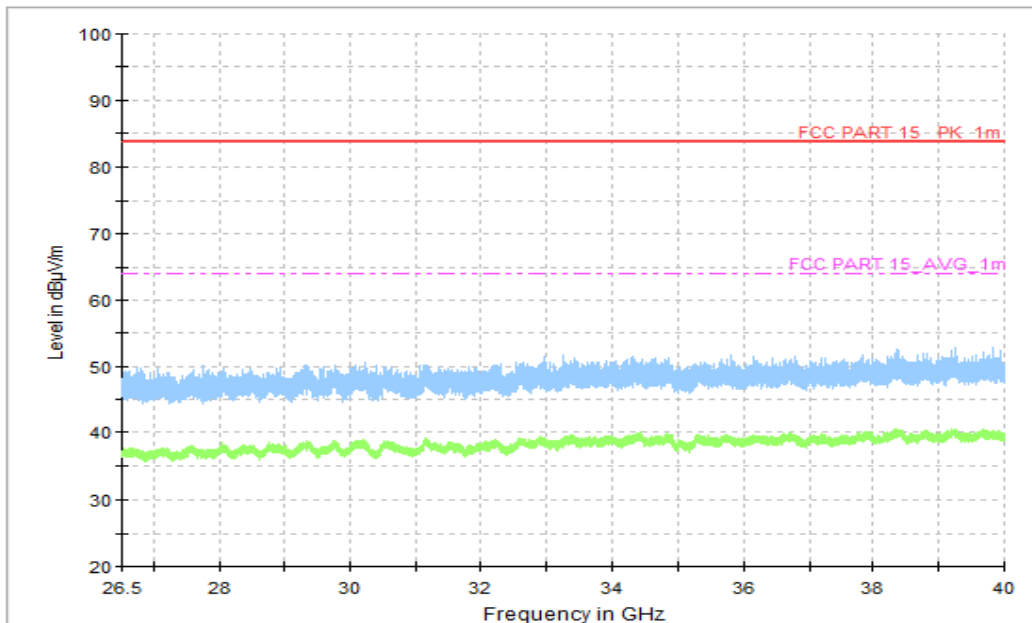


Figure A.1.44. Radiated Emission (LTE receiver Band 5, 26.5GHz to 40GHz)

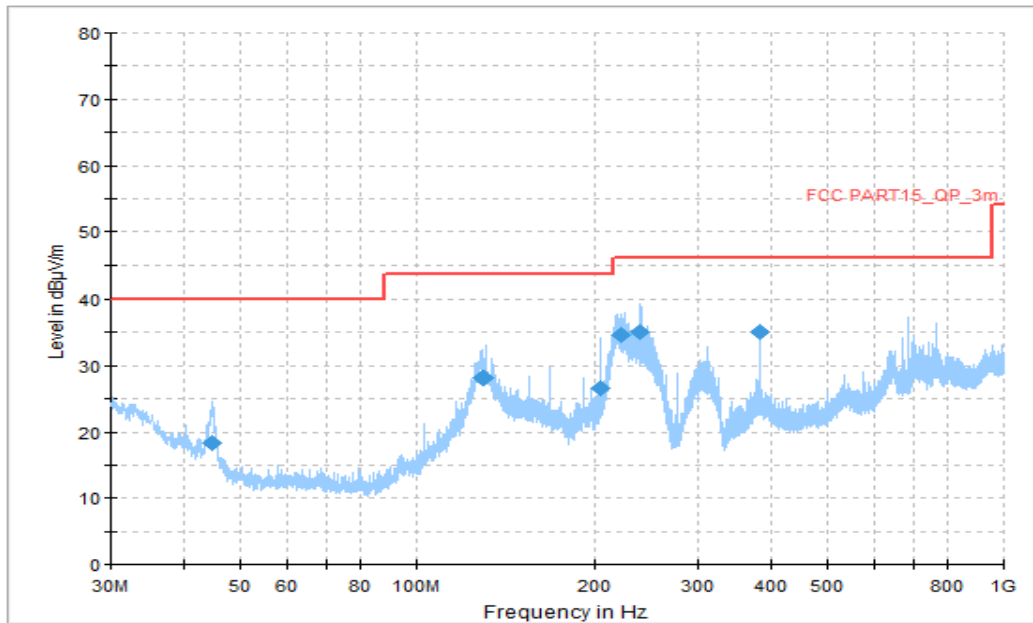


Figure A.1.45. Radiated Emission (Data Transfer: PC TO EUT, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
44.765556	18.37	40.00	21.63	V	-21	39.37
128.940000	28.09	43.52	15.43	V	-20	48.09
204.007222	26.54	43.52	16.98	H	-17	43.54
221.197778	34.56	46.02	11.46	H	-17	51.56
239.627778	35.01	46.02	11.01	H	-15	50.01
383.996111	35.14	46.02	10.88	H	-10	45.14

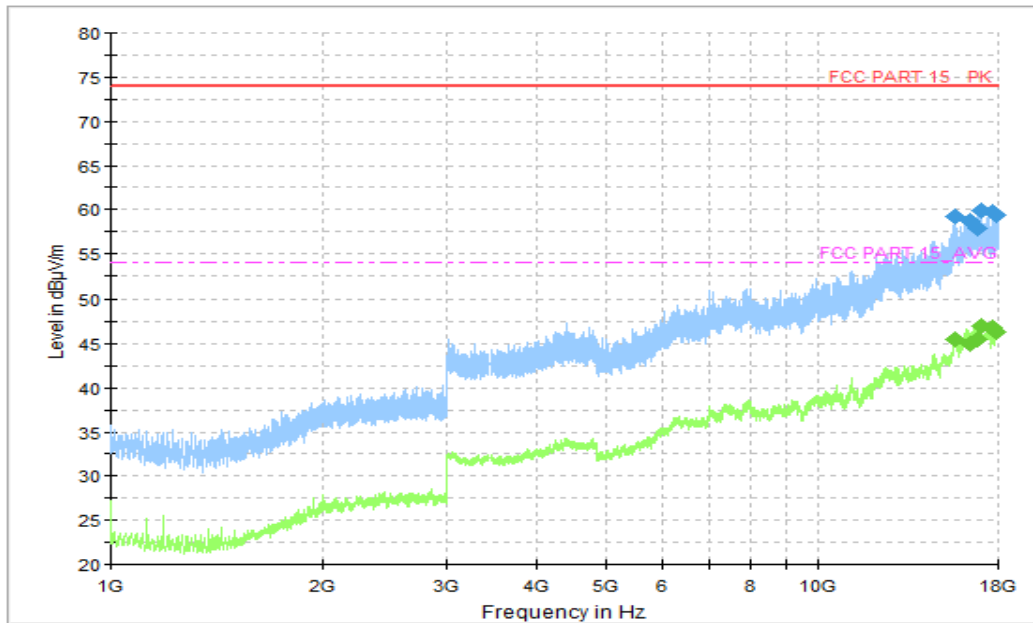


Figure A.1.46. Radiated Emission (Data Transfer: PC TO EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15675.750000	59.21	74.00	14.79	H	20	39.21
16390.500000	58.67	74.00	15.33	V	21	37.67
16841.000000	57.87	74.00	16.13	V	22	35.87
17020.250000	59.91	74.00	14.09	V	23	36.91
17700.000000	59.75	74.00	14.25	H	23	36.75
17911.250000	59.40	74.00	14.60	H	24	35.40

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15675.750000	45.48	54.00	8.52	H	20	25.48
16390.500000	44.94	54.00	9.06	V	21	23.94
16841.000000	45.46	54.00	8.54	V	22	23.46
17020.250000	47.01	54.00	6.99	V	23	24.01
17700.000000	46.81	54.00	7.19	H	23	23.81
17911.250000	46.38	54.00	7.62	H	24	22.38

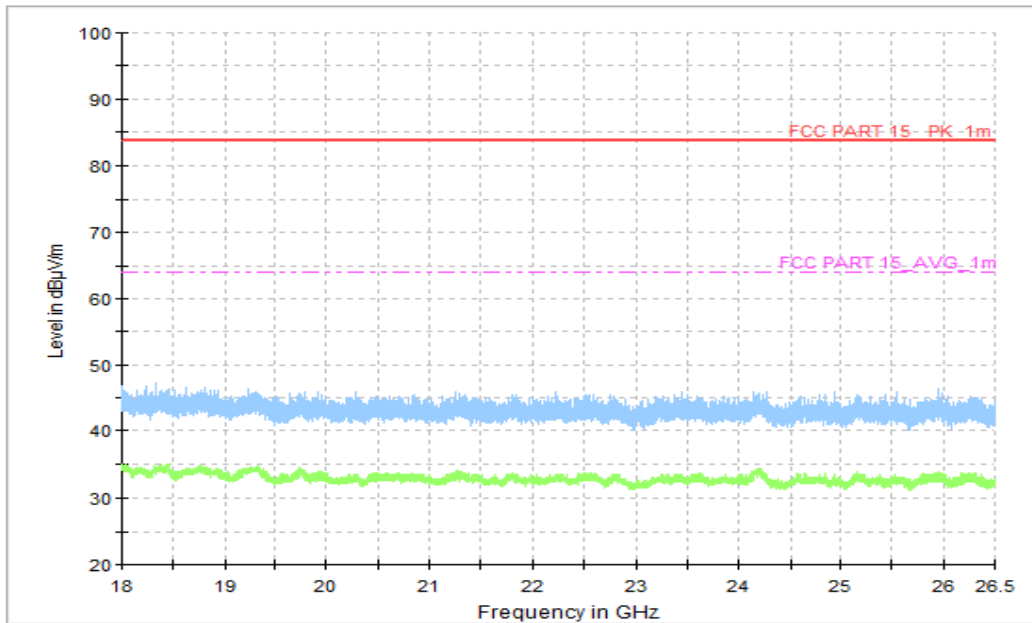


Figure A.1.47. Radiated Emission (Data Transfer: PC TO EUT, 18GHz to 26.5GHz)

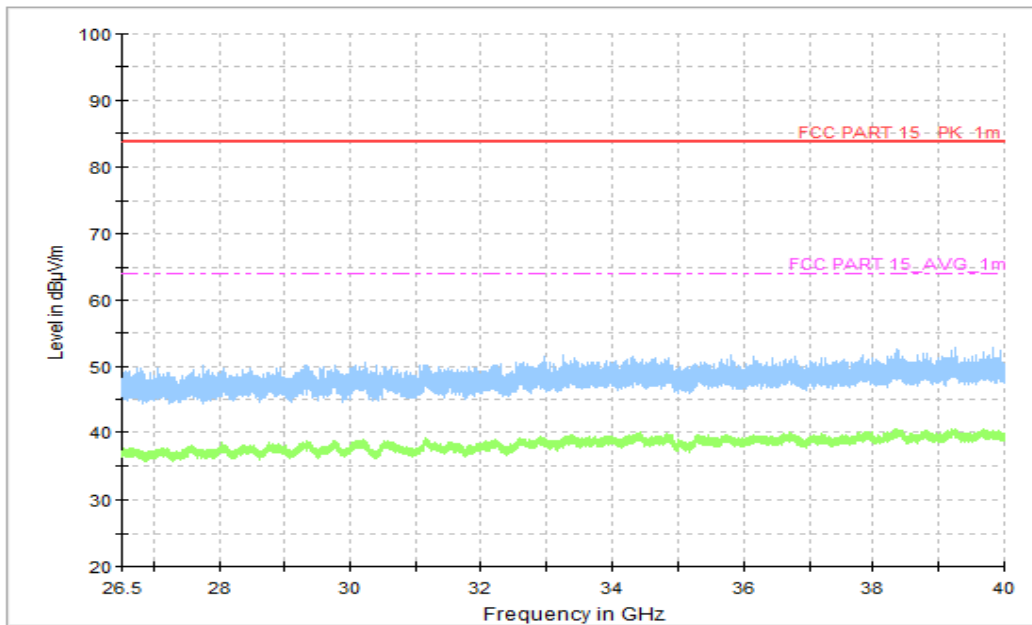


Figure A.1.48. Radiated Emission (Data Transfer: PC TO EUT, 26.5GHz to 40GHz)

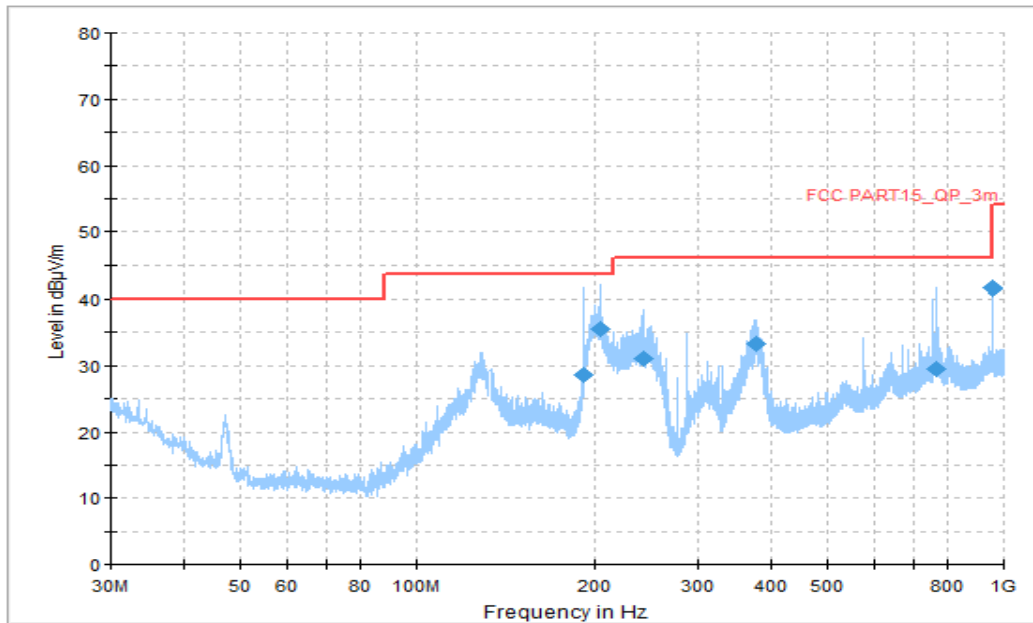


Figure A.1.49. Radiated Emission (Data Transfer: PC TO TF Card, 30MHz to 1GHz)
Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
191.936111	28.60	43.52	14.92	H	-18	46.60
204.115000	35.58	43.52	7.94	H	-17	52.58
241.460000	31.11	46.02	14.91	H	-15	46.11
377.152222	33.26	46.02	12.76	H	-10	43.26
767.954444	29.43	46.02	16.59	H	-2	31.43
960.014444	41.53	53.98	12.45	H	1	40.53

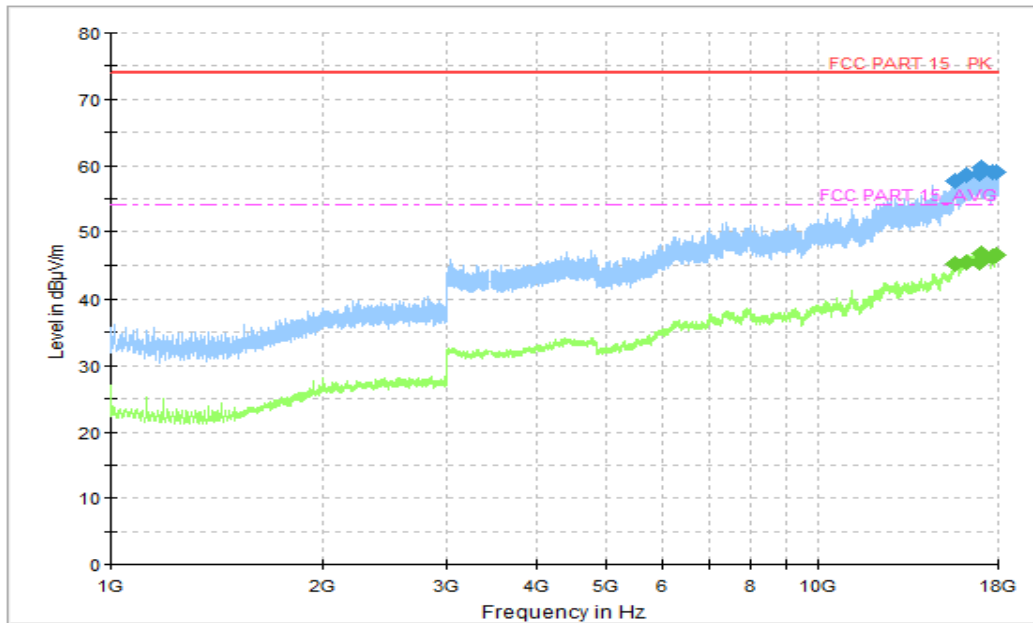


Figure A.1.50. Radiated Emission (Data Transfer: PC TO TF Card, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15634.750000	57.65	74.00	16.35	V	20	37.65
16258.750000	58.63	74.00	15.37	H	21	37.63
16906.500000	58.75	74.00	15.25	V	22	36.75
17040.500000	59.59	74.00	14.41	H	22	37.59
17720.000000	59.04	74.00	14.96	V	23	36.04
17867.750000	59.06	74.00	14.94	V	24	35.06

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15634.750000	45.15	54.00	8.85	V	20	25.15
16258.750000	45.42	54.00	8.58	H	21	24.42
16906.500000	45.43	54.00	8.57	V	22	23.43
17040.500000	46.79	54.00	7.21	H	22	24.79
17720.000000	46.28	54.00	7.72	V	23	23.28
17867.750000	46.46	54.00	7.54	V	24	22.46

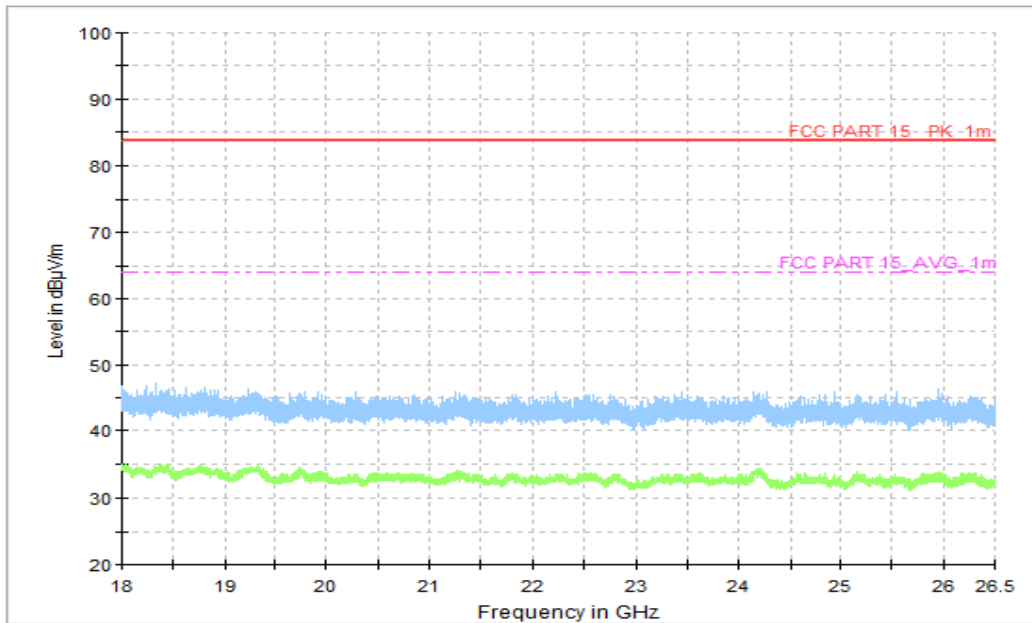


Figure A.1.51. Radiated Emission (Data Transfer: PC TO TF Card, 18GHz to 26.5GHz)

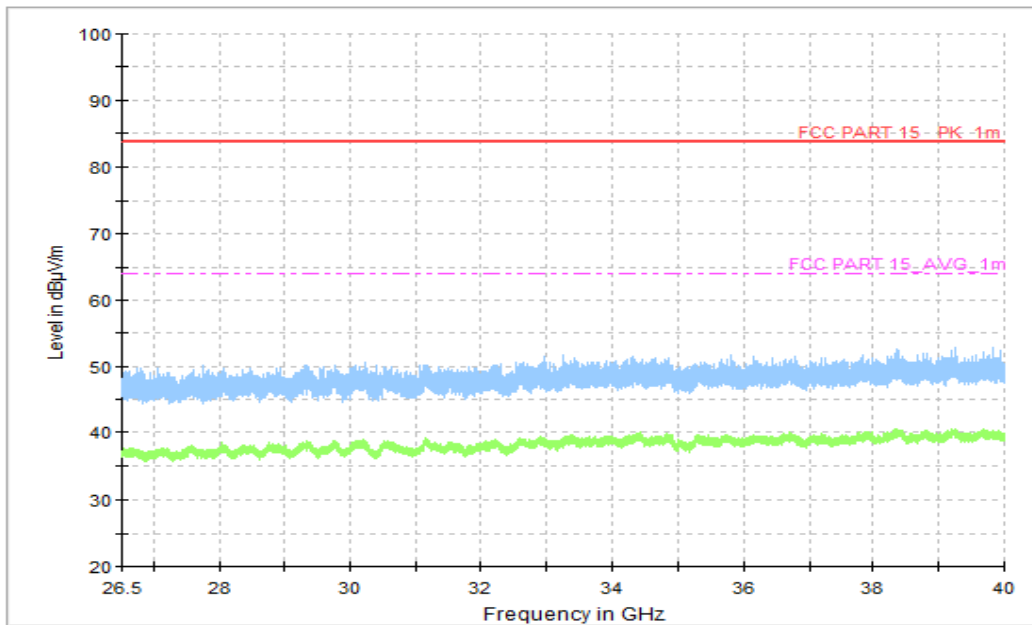


Figure A.1.52. Radiated Emission (Data Transfer: PC TO TF Card, 26.5GHz to 40GHz)

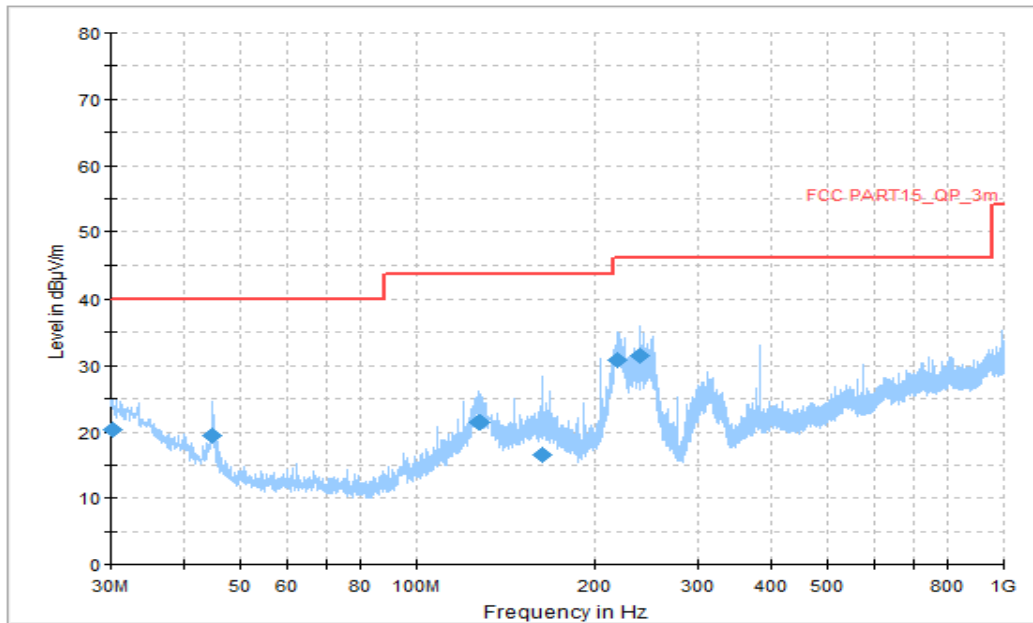


Figure A.1.53. Radiated Emission (Data Transfer: EUT TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.269444	20.39	40.00	19.61	V	-13	33.39
44.765556	19.41	40.00	20.59	V	-21	40.41
127.161667	21.49	43.52	22.03	V	-21	42.49
162.890000	16.58	43.52	26.94	V	-18	34.58
218.772778	30.94	46.02	15.08	H	-17	47.94
239.088889	31.48	46.02	14.54	H	-15	46.48

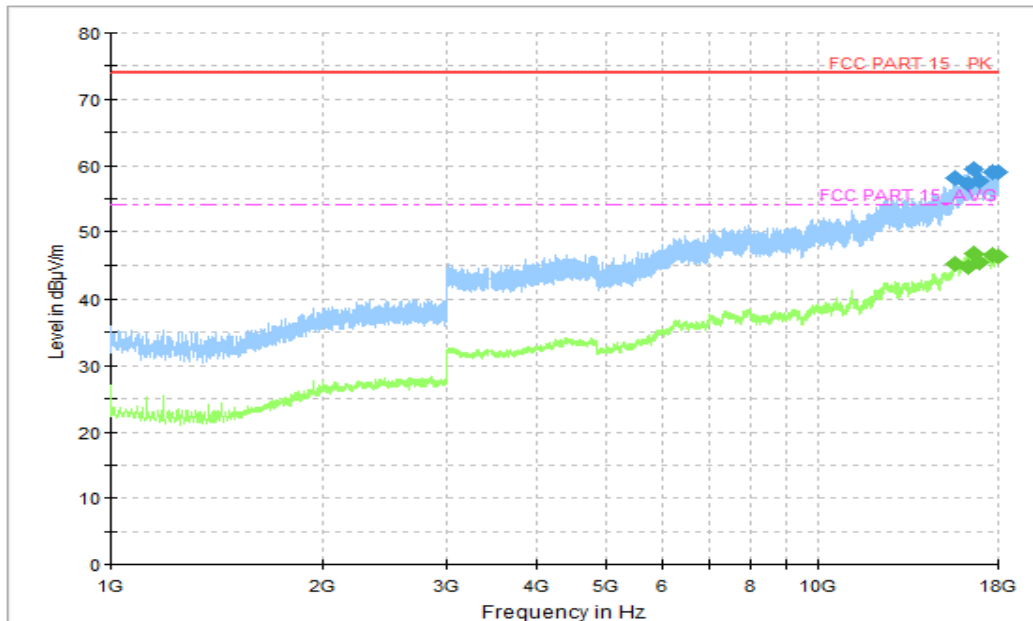


Figure A.1.54. Radiated Emission (Data Transfer: EUT TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15587.500000	58.06	74.00	15.94	H	20	38.06
16294.250000	57.24	74.00	16.76	V	21	36.24
16615.500000	59.33	74.00	14.67	H	22	37.33
16887.250000	57.57	74.00	16.43	H	22	35.57
17683.250000	59.06	74.00	14.94	H	23	36.06
17978.750000	59.10	74.00	14.90	H	23	36.10

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15587.500000	45.17	54.00	8.83	H	20	25.17
16294.250000	44.78	54.00	9.22	V	21	23.78
16615.500000	46.74	54.00	7.26	H	22	24.74
16887.250000	45.30	54.00	8.70	H	22	23.30
17683.250000	46.46	54.00	7.54	H	23	23.46
17978.750000	46.16	54.00	7.85	H	23	23.16

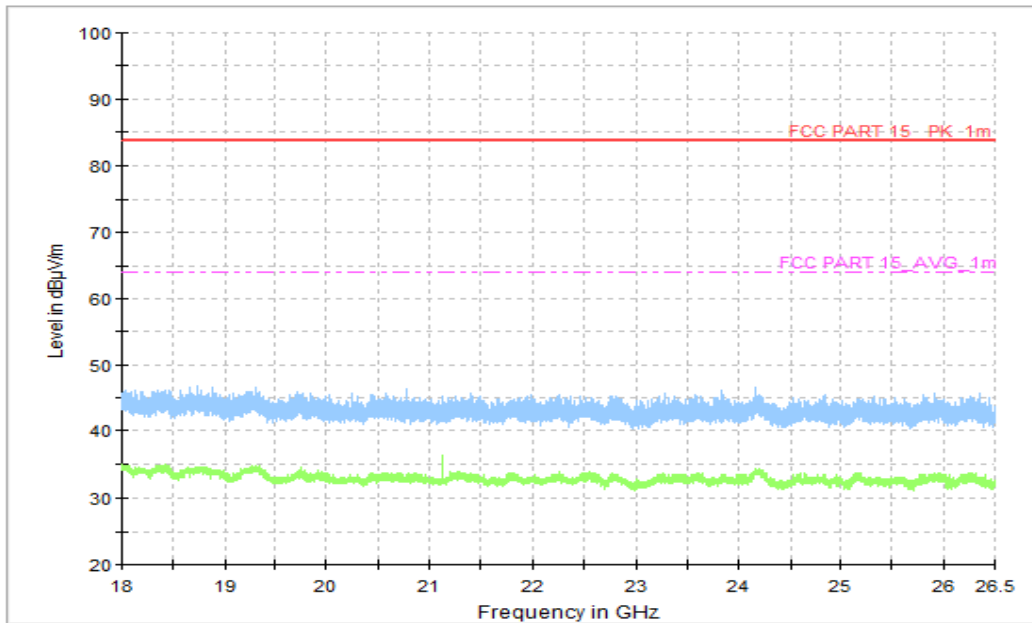


Figure A.1.55. Radiated Emission (Data Transfer: EUT TO PC, 18GHz to 26.5GHz)

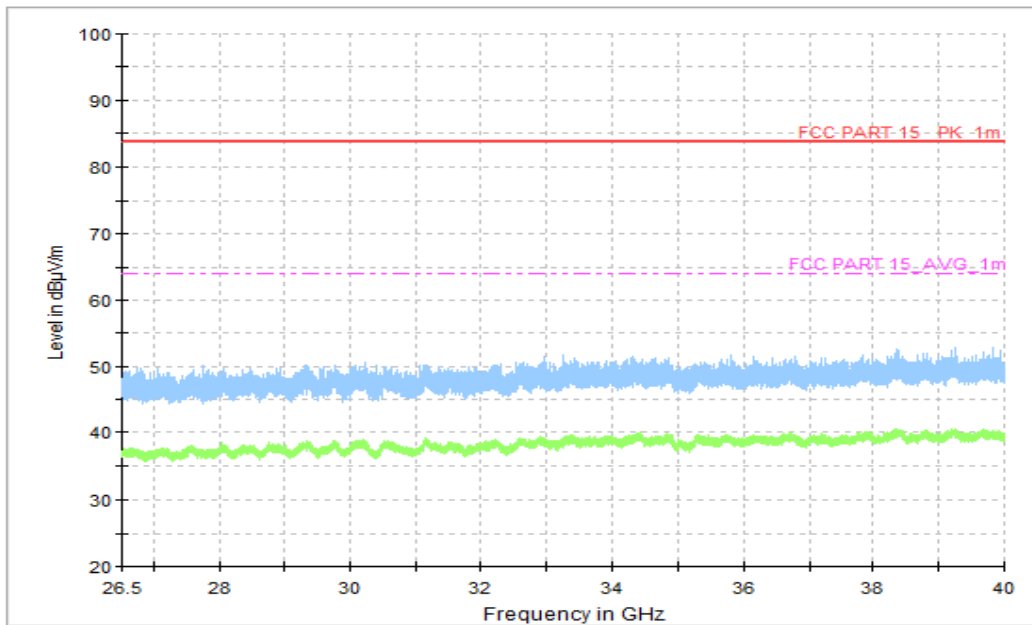


Figure A.1.56. Radiated Emission (Data Transfer: EUT TO PC, 26.5GHz to 40GHz)

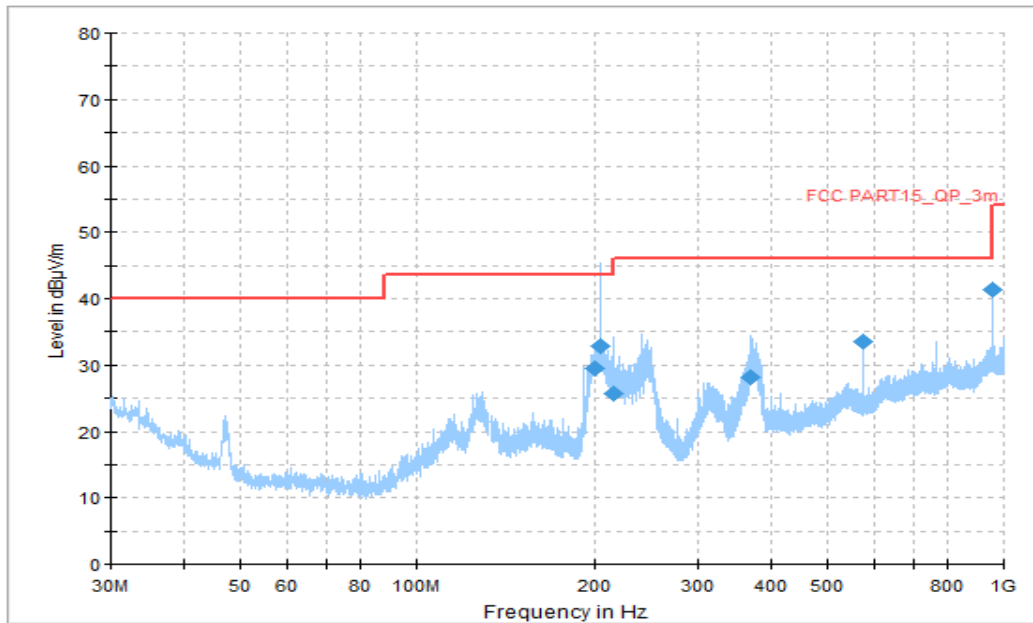


Figure A.1.57. Radiated Emission (Data Transfer: TF Card TO PC, 30MHz to 1GHz)
Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
200.073333	29.39	43.52	14.13	H	-17	46.39
204.061111	32.90	43.52	10.62	H	-17	49.90
215.916667	25.67	43.52	17.85	H	-17	42.67
369.122778	28.23	46.02	17.79	H	-10	38.23
576.002222	33.50	46.02	12.52	V	-5	38.50
960.014444	41.43	53.98	12.55	H	1	40.43

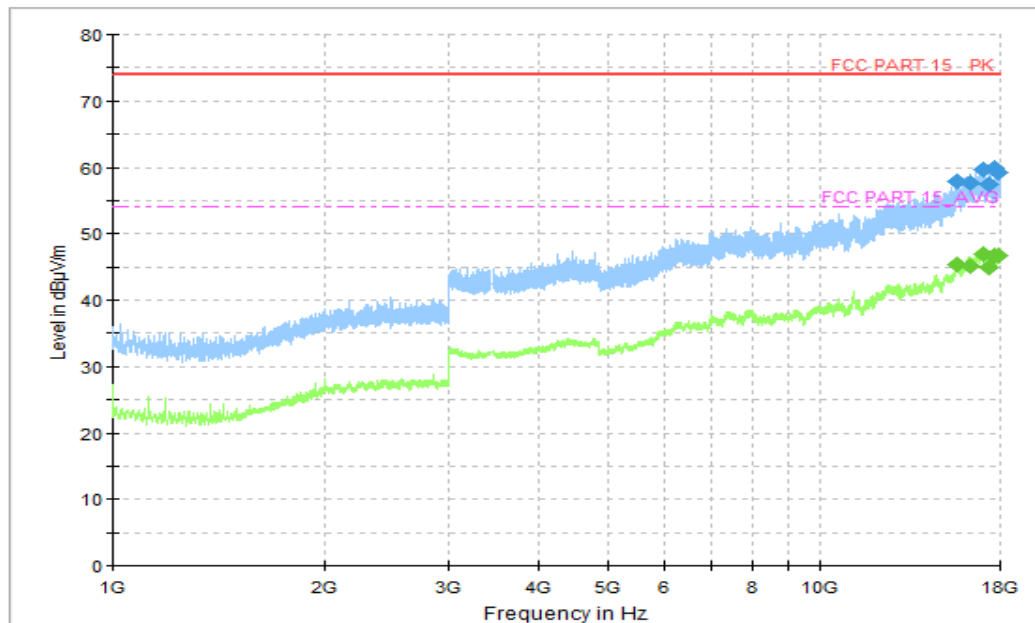


Figure A.1.58. Radiated Emission (Data Transfer: TF Card TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15651.500000	57.81	74.00	16.19	V	20	37.81
16271.500000	57.58	74.00	16.42	V	21	36.58
17006.750000	59.76	74.00	14.24	V	23	36.76
17341.500000	57.45	74.00	16.55	V	22	35.45
17689.500000	59.86	74.00	14.14	H	23	36.86
17897.250000	59.25	74.00	14.75	V	24	35.25

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
15651.500000	45.40	54.00	8.60	V	20	25.40
16271.500000	45.21	54.00	8.79	V	21	24.21
17006.750000	46.96	54.00	7.04	V	23	23.96
17341.500000	44.85	54.00	9.16	V	22	22.85
17689.500000	46.65	54.00	7.35	H	23	23.65
17897.250000	46.70	54.00	7.30	V	24	22.70

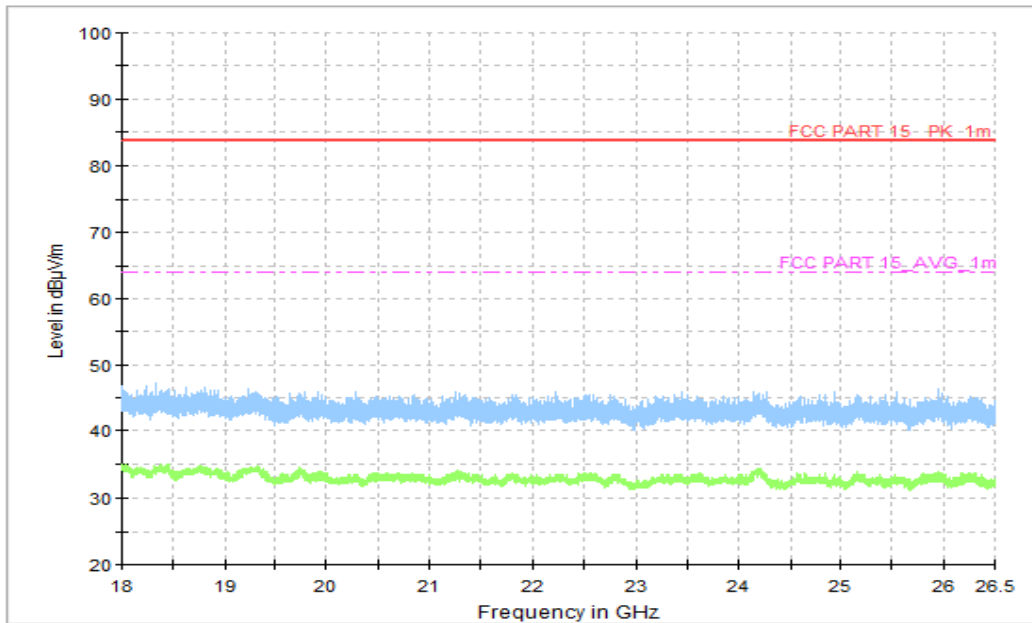


Figure A.1.59. Radiated Emission (Data Transfer: TF Card TO PC, 18GHz to 26.5GHz)

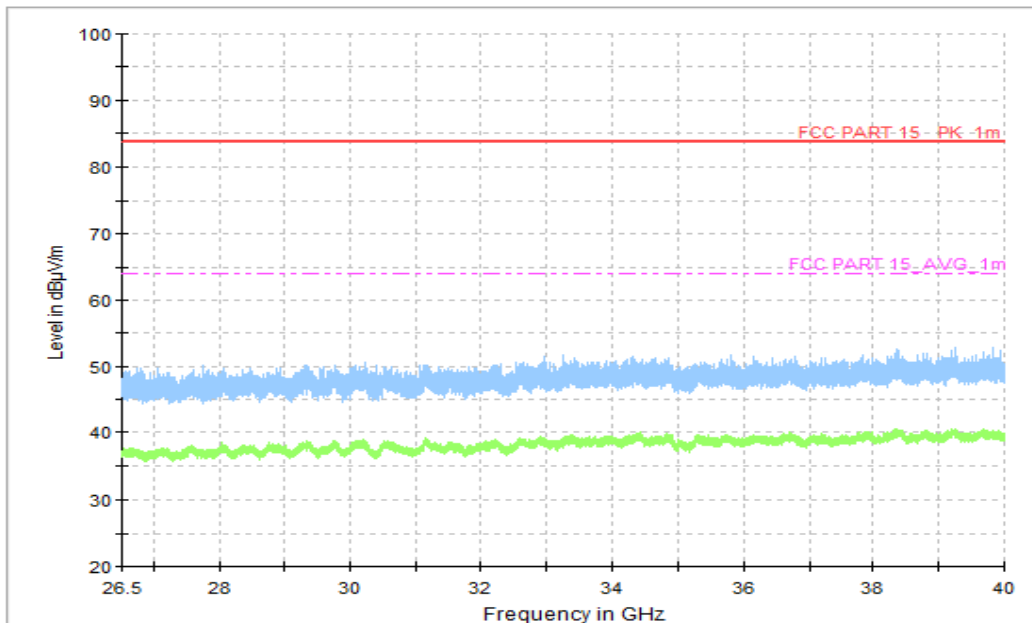


Figure A.1.60. Radiated Emission (Data Transfer: TF Card TO PC, 26.5GHz to 40GHz)



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.

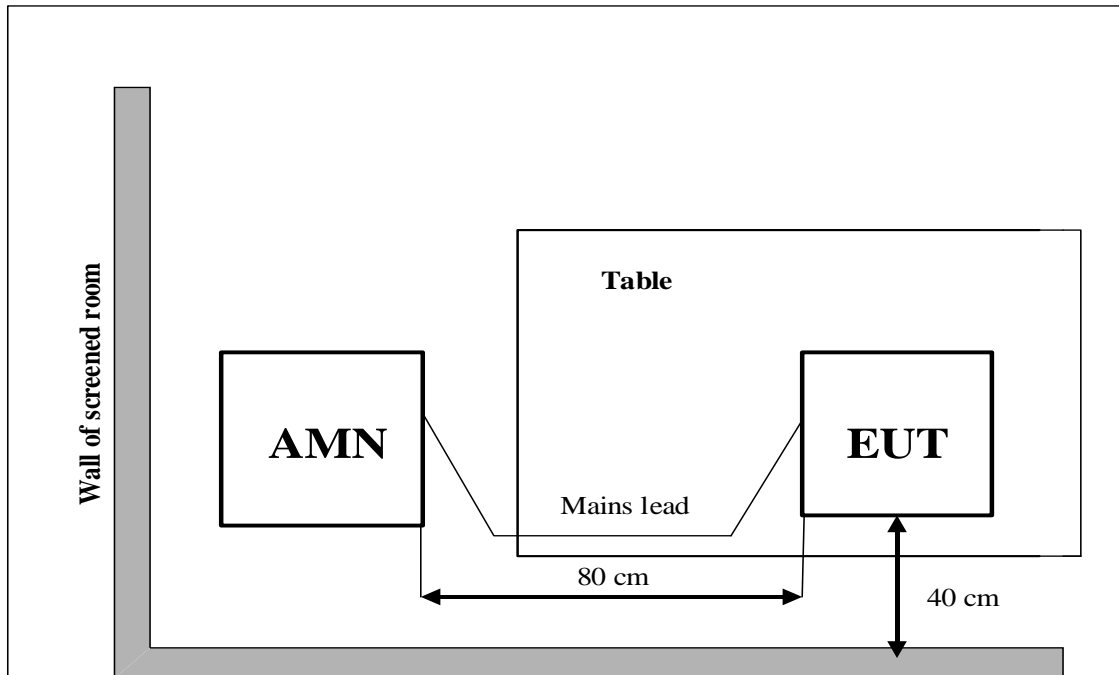
Data Transfer: The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C. The EUT is connected to a PC for transmitting data. The software is used to let the PC keep on copying data to EUT or TF Card, reading and erasing the data after copy action was finished.

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (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

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
			UT04aa/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
			UT04aa/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
			UT04aa/Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.3.	P
0.5 to 5	56	46		
5 to 30	60	50		

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT04aa/Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.4.	P
0.5 to 5	56	46		
5 to 30	60	50		

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

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
			UT04aa/Set.3	
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
			UT04aa/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
			UT04aa/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
			UT04aa/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.

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
			UT04aa/Set.2	
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
			UT04aa/Set.3	
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

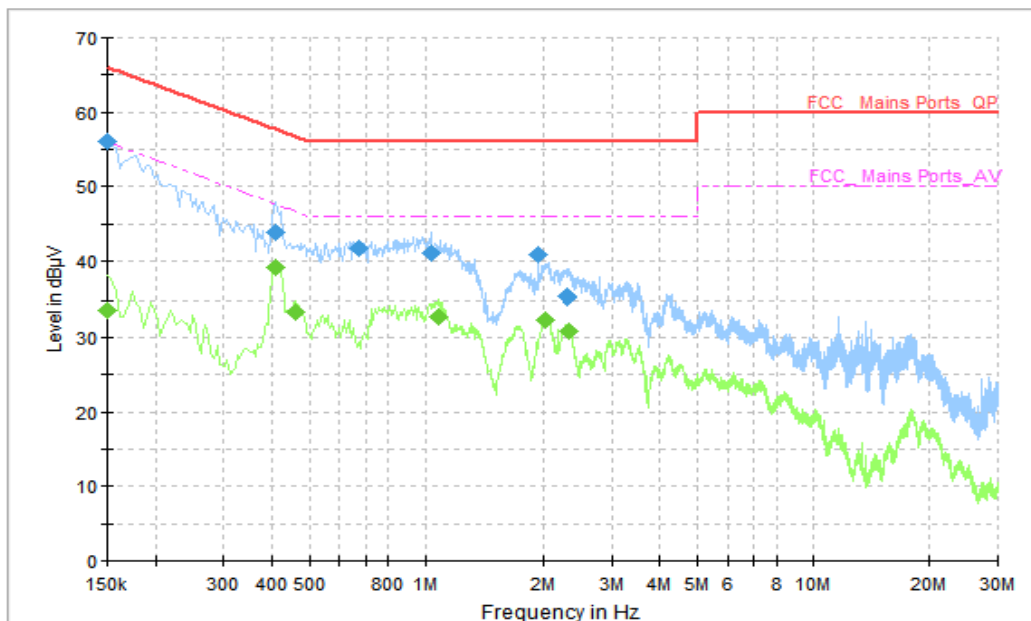


Figure A.2.1. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	56.00	66.00	10.00	N	10	46.00
0.410000	43.79	57.65	13.86	N	10	33.79
0.674000	41.66	56.00	14.34	N	10	31.66
1.030000	41.10	56.00	14.90	N	10	31.10
1.938000	40.80	56.00	15.20	N	10	30.80
2.290000	35.34	56.00	20.66	N	10	25.34

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	33.64	56.00	22.36	N	10	23.64
0.410000	39.08	47.65	8.57	N	10	29.08
0.462000	33.47	46.66	13.18	N	10	23.47
1.082000	32.70	46.00	13.30	N	10	22.70
2.030000	32.29	46.00	13.72	N	10	22.29
2.314000	30.84	46.00	15.16	N	10	20.84

AC Input Port/ Voltage: 120V/60Hz

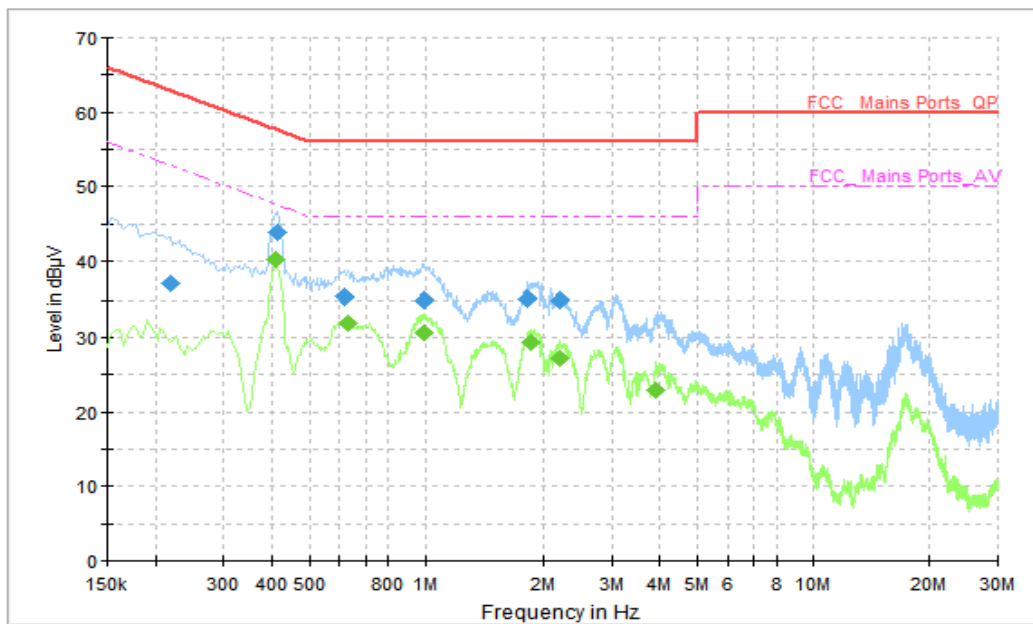


Figure A.2.2. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.218000	37.07	62.90	25.82	N	10	27.07
0.414000	43.97	57.57	13.59	N	10	33.97
0.618000	35.34	56.00	20.66	N	10	25.34
0.990000	34.98	56.00	21.02	L1	10	24.98
1.818000	35.21	56.00	20.79	N	10	25.21
2.202000	34.81	56.00	21.19	N	10	24.81

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.410000	40.22	47.65	7.42	N	10	30.22
0.630000	31.88	46.00	14.12	L1	10	21.88
0.986000	30.71	46.00	15.29	N	10	20.71
1.846000	29.28	46.00	16.72	N	10	19.28
2.210000	27.16	46.00	18.84	N	10	17.16
3.914000	22.96	46.00	23.04	N	10	12.96

AC Input Port/ Voltage: 120V/60Hz

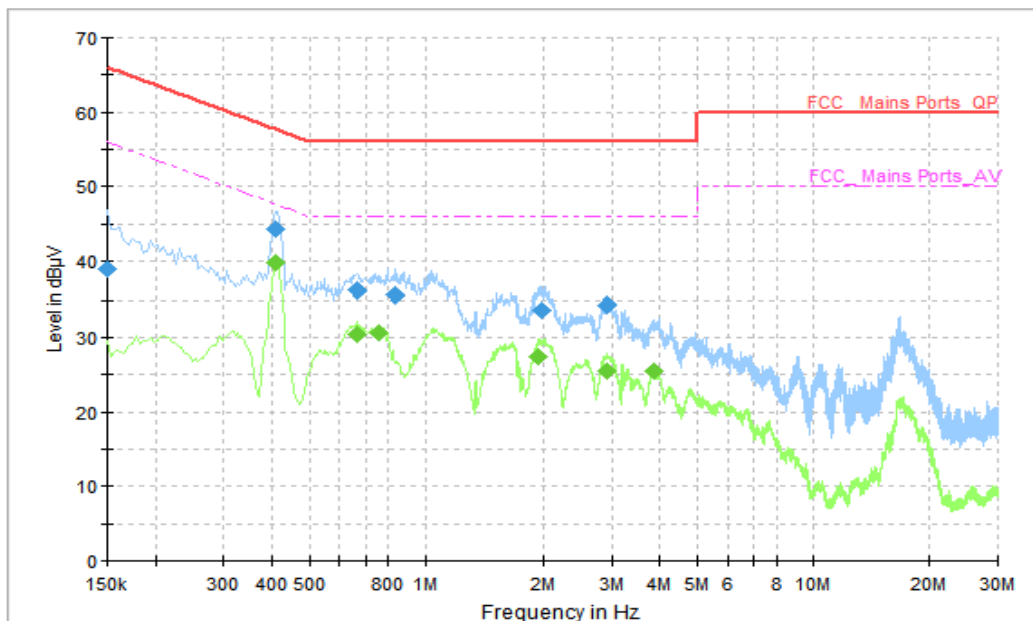


Figure A.2.3. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	38.87	66.00	27.13	N	10	28.87
0.410000	44.35	57.65	13.30	L1	10	34.35
0.662000	36.08	56.00	19.92	N	10	26.08
0.830000	35.52	56.00	20.48	L1	10	25.52
1.974000	33.53	56.00	22.47	N	10	23.53
2.926000	34.17	56.00	21.83	N	10	24.17

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.410000	39.72	47.65	7.93	L1	10	29.72
0.662000	30.37	46.00	15.63	L1	10	20.37
0.754000	30.51	46.00	15.49	L1	10	20.51
1.942000	27.31	46.00	18.69	N	10	17.31
2.906000	25.37	46.00	20.63	N	10	15.37
3.854000	25.55	46.00	20.45	N	10	15.55

AC Input Port/ Voltage: 120V/60Hz

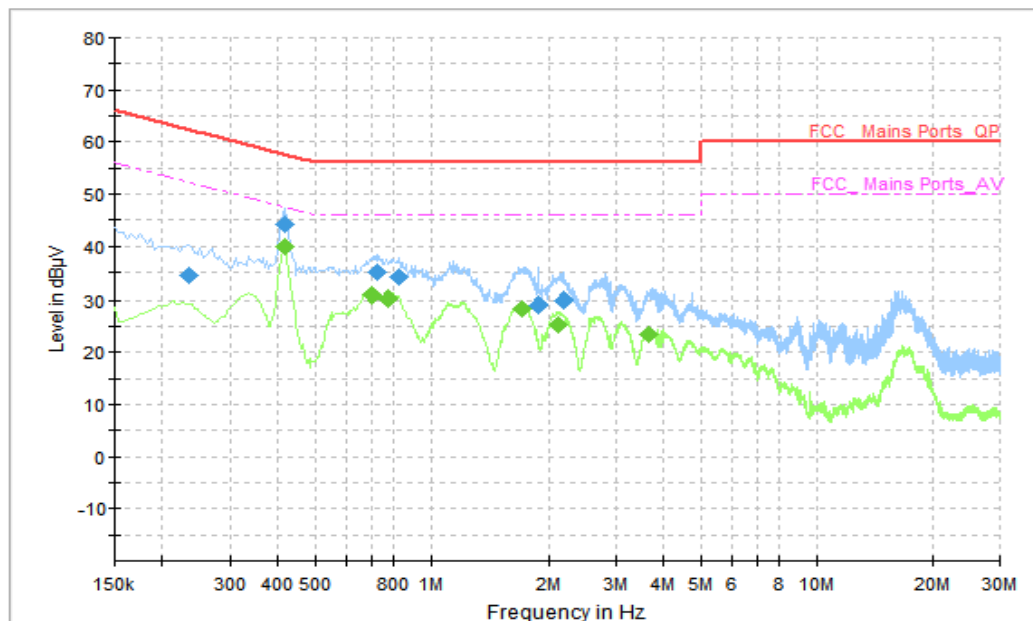


Figure A.2.4. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.234000	34.32	62.31	27.98	L1	10	24.32
0.414000	44.19	57.57	13.38	L1	10	34.19
0.726000	34.91	56.00	21.09	L1	10	24.91
0.822000	34.08	56.00	21.92	N	10	24.08
1.882000	28.78	56.00	27.22	L1	10	18.78
2.190000	29.94	56.00	26.06	N	10	19.94

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.414000	40.07	47.57	7.50	N	10	30.07
0.698000	30.78	46.00	15.22	N	10	20.78
0.774000	30.15	46.00	15.85	N	10	20.15
1.710000	28.45	46.00	17.55	N	10	18.45
2.130000	25.37	46.00	20.63	N	10	15.37
3.658000	23.56	46.00	22.44	N	10	13.56

AC Input Port/ Voltage: 120V/60Hz

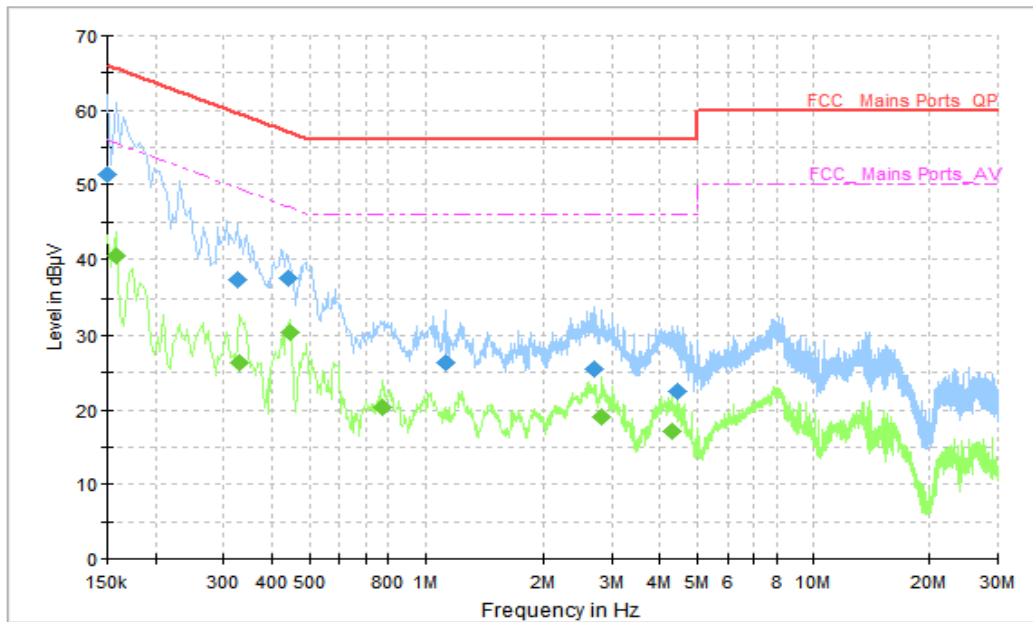


Figure A.2.5. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	51.36	66.00	14.64	N	10	41.36
0.326000	37.34	59.55	22.21	N	10	27.34
0.442000	37.42	57.02	19.60	N	10	27.42
1.134000	26.31	56.00	29.69	L1	10	16.31
2.718000	25.39	56.00	30.61	L1	10	15.39
4.422000	22.52	56.00	33.48	N	10	12.52

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	40.52	55.57	15.05	N	10	30.52
0.330000	26.25	49.45	23.20	N	10	16.25
0.446000	30.49	46.95	16.46	L1	10	20.49
0.770000	20.35	46.00	25.65	N	10	10.35
2.818000	19.14	46.00	26.86	L1	10	9.14
4.282000	17.03	46.00	28.97	L1	10	7.03

AC Input Port/ Voltage: 240V/60Hz

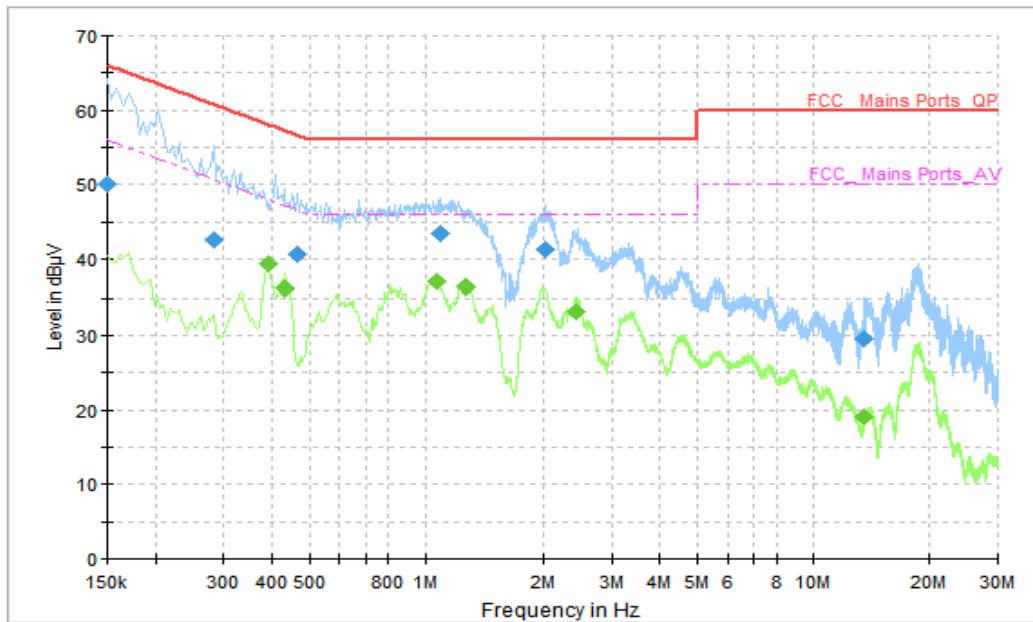


Figure A.2.6. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	50.00	66.00	16.00	N	10	40.00
0.282000	42.61	60.76	18.14	N	10	32.61
0.466000	40.72	56.59	15.86	N	10	30.72
1.098000	43.41	56.00	12.59	N	10	33.41
2.010000	41.31	56.00	14.69	N	10	31.31
13.554000	29.62	60.00	30.38	N	10	19.62

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.390000	39.44	48.06	8.62	L1	10	29.44
0.434000	36.23	47.18	10.94	N	10	26.23
1.066000	36.95	46.00	9.06	L1	10	26.95
1.270000	36.34	46.00	9.66	L1	10	26.34
2.426000	33.27	46.00	12.73	L1	10	23.27
13.554000	19.03	50.00	30.97	N	10	9.03

AC Input Port/ Voltage: 240V/60Hz

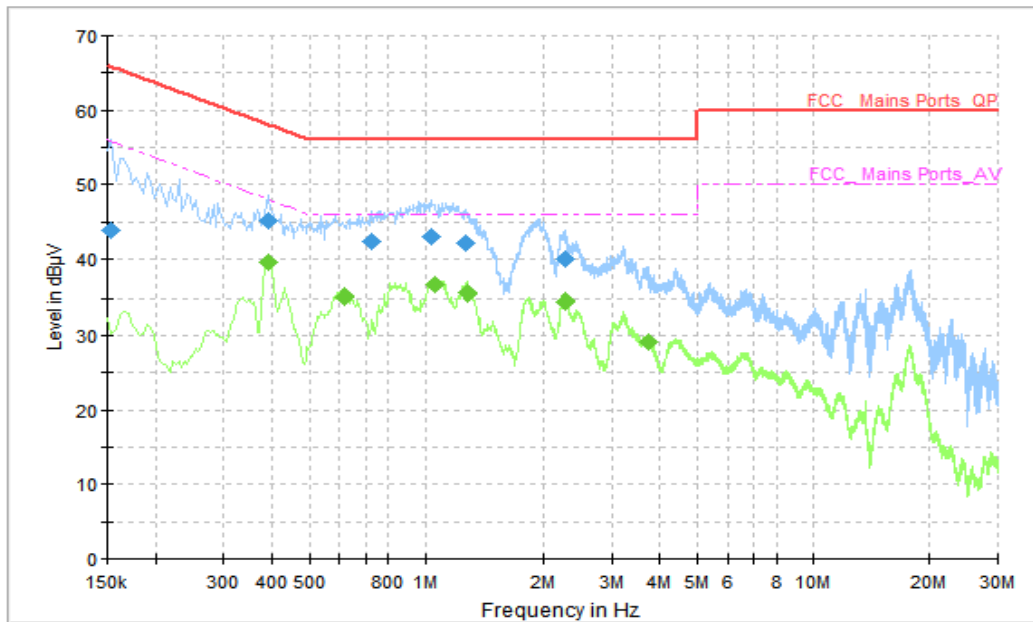


Figure A.2.7. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.154000	43.97	65.78	21.81	N	10	33.97
0.390000	45.27	58.06	12.79	N	10	35.27
0.726000	42.42	56.00	13.58	N	10	32.42
1.030000	43.01	56.00	12.99	N	10	33.01
1.270000	42.08	56.00	13.92	N	10	32.08
2.274000	40.05	56.00	15.95	L1	10	30.05

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.390000	39.62	48.06	8.44	L1	10	29.62
0.614000	35.13	46.00	10.87	L1	10	25.13
1.054000	36.61	46.00	9.39	N	10	26.61
1.278000	35.58	46.00	10.42	N	10	25.58
2.270000	34.57	46.00	11.43	L1	10	24.57
3.734000	29.21	46.00	16.79	N	10	19.21

AC Input Port/ Voltage: 240V/60Hz

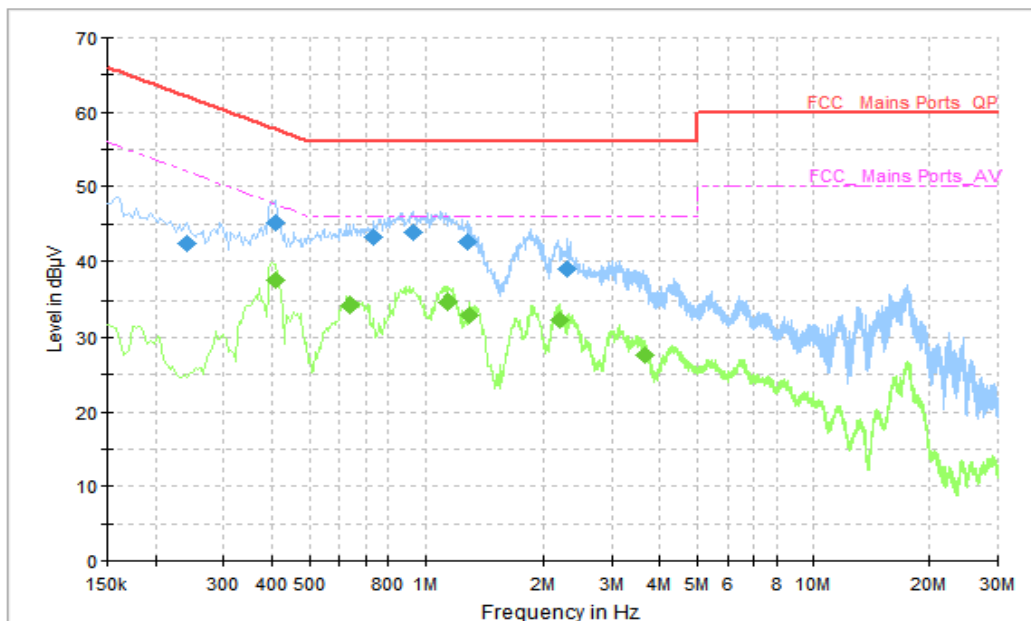


Figure A.2.8. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.242000	42.37	62.03	19.65	L1	10	32.37
0.410000	45.20	57.65	12.45	L1	10	35.20
0.734000	43.27	56.00	12.73	L1	10	33.27
0.930000	43.86	56.00	12.14	N	10	33.86
1.286000	42.65	56.00	13.35	N	10	32.65
2.294000	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)
0.410000	37.47	47.65	10.18	L1	10	27.47
0.634000	34.18	46.00	11.82	L1	10	24.18
1.142000	34.74	46.00	11.26	N	10	24.74
1.294000	32.97	46.00	13.03	L1	10	22.97
2.198000	32.40	46.00	13.60	L1	10	22.40
3.650000	27.52	46.00	18.48	N	10	17.52

AC Input Port/ Voltage: 240V/60Hz

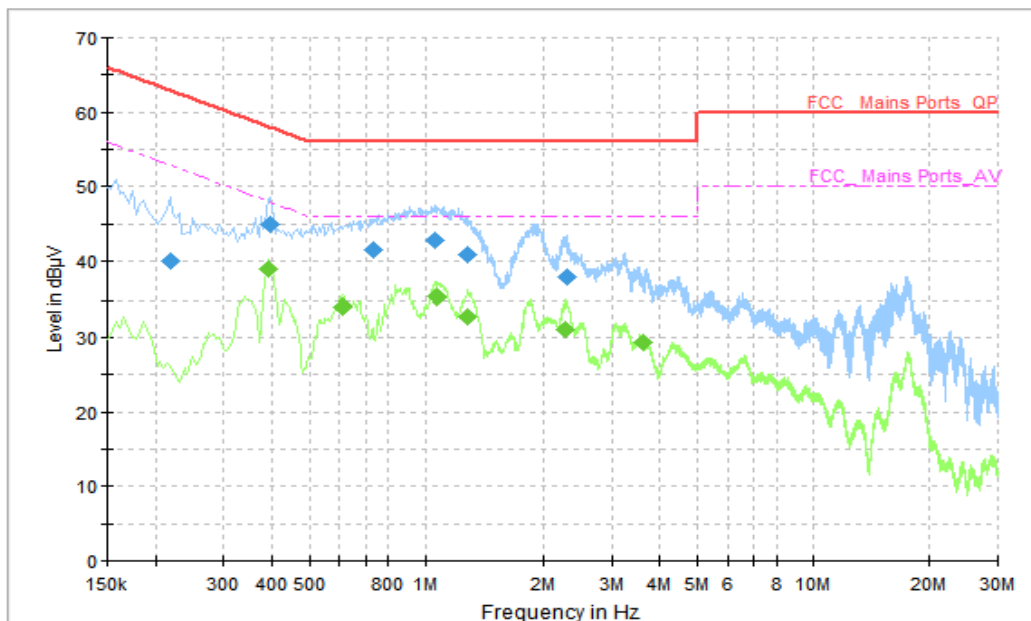


Figure A.2.9. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.218000	40.00	62.90	22.89	N	10	30.00
0.398000	44.97	57.90	12.92	L1	10	34.97
0.730000	41.54	56.00	14.46	N	10	31.54
1.062000	42.78	56.00	13.22	N	10	32.78
1.278000	40.78	56.00	15.22	N	10	30.78
2.290000	37.93	56.00	18.07	L1	10	27.93

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.394000	38.96	47.98	9.02	L1	10	28.96
0.610000	34.04	46.00	11.96	N	10	24.04
1.074000	35.28	46.00	10.72	N	10	25.28
1.290000	32.76	46.00	13.24	N	10	22.76
2.270000	30.98	46.00	15.02	N	10	20.98
3.606000	29.32	46.00	16.68	L1	10	19.32

AC Input Port/ Voltage: 240V/60Hz

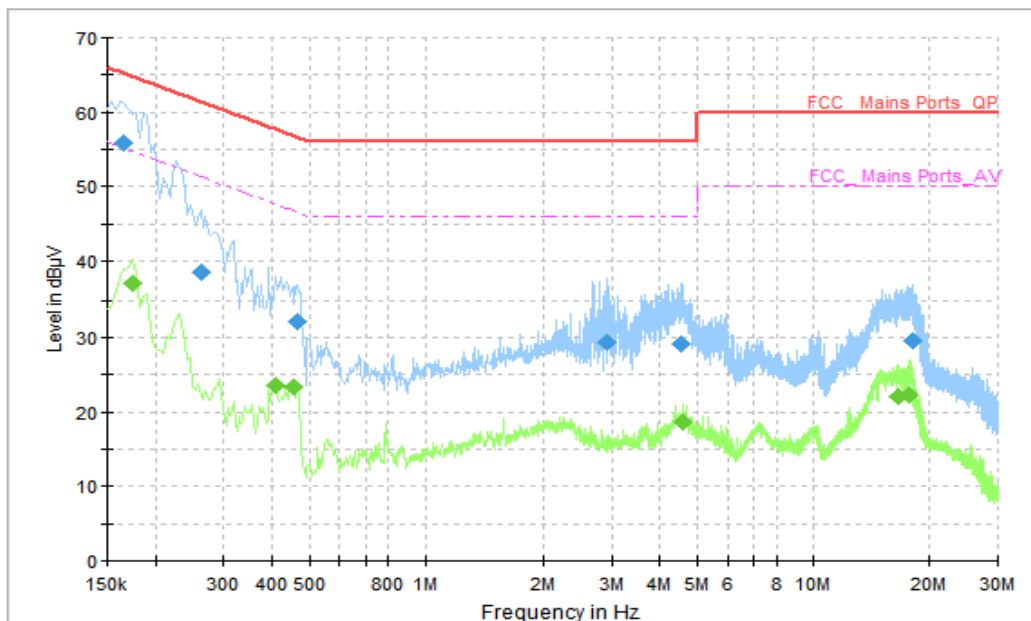


Figure A.2.10. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.166000	55.78	65.16	9.38	N	10	45.78
0.262000	38.50	61.37	22.86	N	10	28.50
0.466000	32.06	56.59	24.53	L1	10	22.06
2.922000	29.26	56.00	26.74	L1	10	19.26
4.554000	29.12	56.00	26.88	N	10	19.12
18.042000	29.63	60.00	30.37	L1	10	19.63

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.174000	37.12	54.77	17.64	N	10	27.12
0.410000	23.65	47.65	24.00	N	10	13.65
0.458000	23.36	46.73	23.37	L1	10	13.36
4.574000	18.64	46.00	27.36	L1	10	8.64
16.502000	22.13	50.00	27.87	L1	10	12.13
17.766000	22.31	50.00	27.69	L1	10	12.31

END OF REPORT