TEST REPORT

No.24T04N002827-006-EMC

for

Realme Chongqing Mobile Telecommunications Corp., Ltd.

Mobile Phone

Model Name：RMX5020

With

Hardware Version: 11

Software Version: realme UI 6.0

FCC ID:2AUYFRMX5020

Issued Date: 2025-01-06

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:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04N002827-006-EMC	Rev.0	1st edition	2025-01-06

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

CONTENTS

1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	Mobile Phone
Model Name	RMX5020
Applicant's name	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Manufacturer's Name	Realme Chongqing Mobile Telecommunications Corp., Ltd.

1.2. Test Standards

FCC Part 15, Subpart B (10-1-2023 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 Lab,Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, China

1.5. Project data

Testing Start Date: 2024-11-26 Testing End Date: 2024-12-20

1.6. Signature

Huang Kaiyang
(Prepared this test report)

Huang Yuqing
(Reviewed this test report)

Cao Junfei
(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address:	No.178 Yulong Avenue,Yufengshan,Yubei District,Chongqing,China
Contact	HuangMinJiang
Email	mega@realme.com
Tel.	(86)18502096102
Fax	/

2.2. Manufacturer Information

Company Name:	Realme Chongqing Mobile Telecommunications Corp., Ltd.
Address:	No.178 Yulong Avenue,Yufengshan,Yubei District,Chongqing,China
Contact	HuangMinJiang
Email	mega@realme.com
Tel.	(86)18502096102
Fax	/

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

3.1. About EUT

Description	Mobile Phone
Model Name	RMX5020
FCC ID	2AUYFRMX5020
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
UT02aa	004180606949549	11	realme UI 6.0	2024-11-26

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

3.3. Internal Identification of AE

AE ID*	Description
AE1	Battery
AE2	Charger
AE3	USB Cable

AE1

Model	BLPB59
Manufacturer	Chongqing CosMX Battery Co.,Ltd.
Capacity	5180mAh
Nominal Voltage	3.82V

AE2-1

Model	VCB4JAUH
Manufacturer	Jiangsu Chenyang Electron Co., Ltd
Specification	American Standard Charger

AE2-2

Model	VCB4JAUH
Manufacturer	Huizhou Golden Lake Industrial Co., Ltd.
Specification	American Standard Charger

AE3

Model	DL154
Manufacturer	/

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

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

AE: ancillary equipment

Material Name	AE ID	Remarks	Manufacturer
VCB4JAUH	AE2-1	Except pins and appearance, the other parts are the same.	Jiangsu Chenyang Electron Co., Ltd
VCB4JAUH	AE2-2		Huizhou Golden Lake Industrial Co., Ltd.

3.4. EUT Set-ups

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

3.5. General Description

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

It supports GSM 850/900/1800/1900MHz, WCDMA Bands 1/2/4/5/8, LTE Bands 1/2/3/4/5/7/8 /13/20/26/28/38/40/41/66.

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	(10-1-2023 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

1. Since the information of samples in this report is provided by the client, the laboratory is not responsible for the authenticity of sample information.

2. 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	4.80dB(*k*=2)
	1GHz-18GHz	4.62dB(*k*=2)
Conducted Emission	150kHz-30MHz	2.68dB(*k*=2)

8. MEASURING APPARATUS UTILIZED

No.	Name	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1.	Test Receiver	ESR7	101676	R&S	2025.11.21	1 year
2.	Test Receiver	ESCI	100702	R&S	2025.01.10	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2025.01.12	1 year
4.	Hybrid antenna	VULB 9163	330	Schwarzbeck	2027.04.21	3 years
5.	Horn Antenna	3117	00066577	ETS-Lindgren	2025.04.17	3 years
6.	LISN	ENV216	102067	R&S	2025.10.06	1 year
7.	Anechoic Chamber	FACT3-2.0	1285	ETS-Lindgren	2025.05.28	2 years
8.	Universal Radio Communication Tester	CMU200	114545	R&S	2025.01.10	1 year
9.	Universal Radio Communication Tester	CMW500	152499	R&S	2025.07.11	1 year
10.	Horn Antenna	QSH-SL-18-26-S-20	17013	Q-par	2026.02.01	3 years
11.	Horn Antenna	QSH-SL-8-26-40-K-20	17014	Q-par	2026.01.30	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	/	/

10. MEASURING SOFTWARE

No.	Name	Manufacturer	Version
1	EMC32	Rohde & Schwarz	V10.50.40

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.

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 USB flash disk 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: GSM 850MHz,WCDMA B5,LTE Band 5, LTE Band 13, LTE Band 26.

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

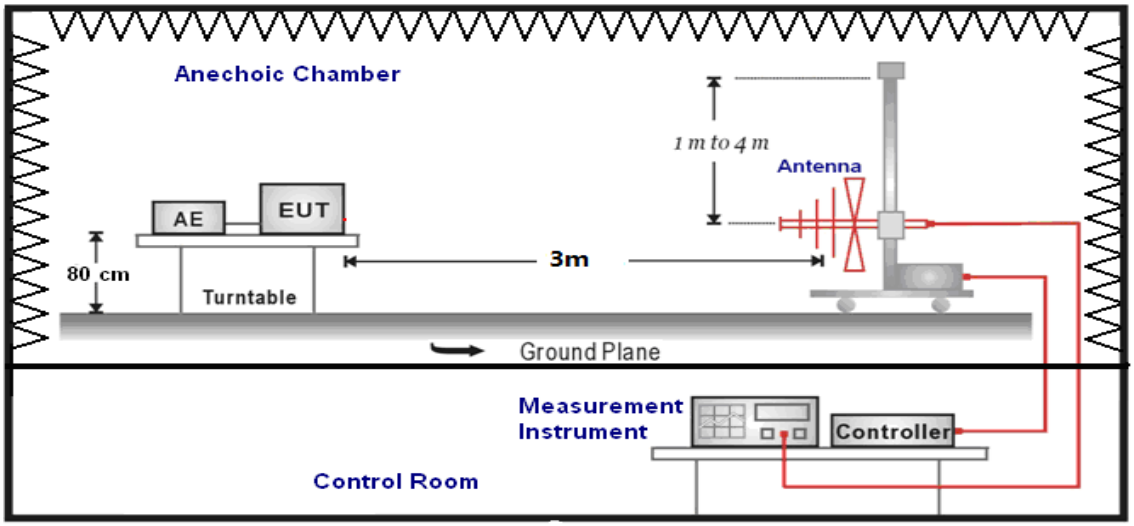
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

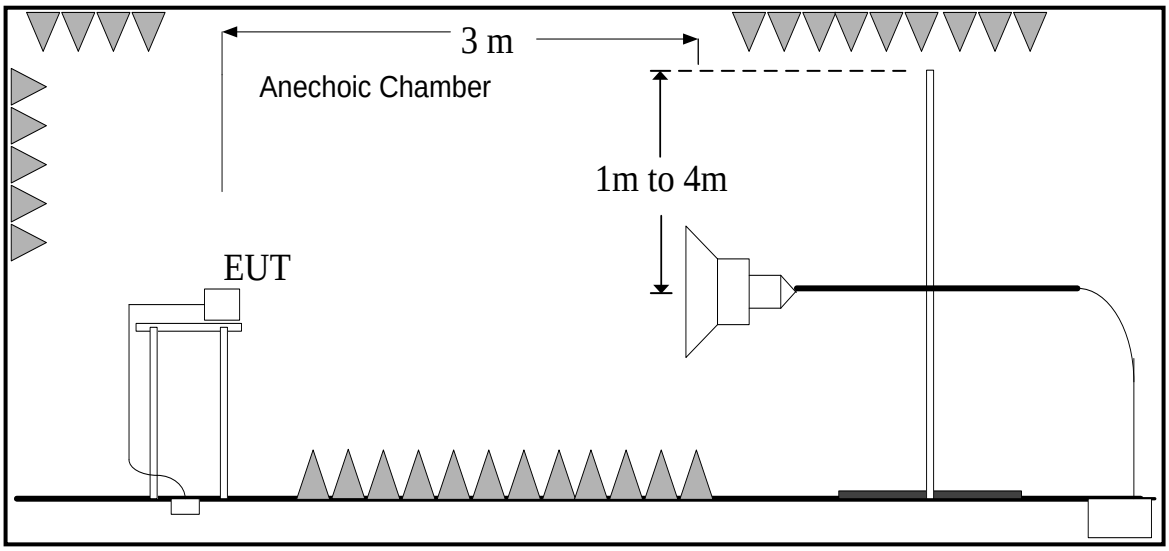
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

A.1.5 Test set-up:

30MHz-1GHz



1GHz-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:

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
		UT02aa/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
			UT02aa/Set.1	
1000 to 18000	54.00	74.00	See Figure A.1.2.	P
18000 to 26500	63.54	83.54	See Figure A.1.3.	
26500 to 40000	63.54	83.54	See Figure A.1.4.	

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/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) UT02aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.6.	P
18000 to 26500	63.54	83.54	See Figure A.1.7.	
26500 to 40000	63.54	83.54	See Figure A.1.8.	

GSM receiver 850MHz

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/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) UT02aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.10.	P
18000 to 26500	63.54	83.54	See Figure A.1.11.	
26500 to 40000	63.54	83.54	See Figure A.1.12.	

WCDMA receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/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) UT02aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.14.	P
18000 to 26500	63.54	83.54	See Figure A.1.15.	
26500 to 40000	63.54	83.54	See Figure A.1.16.	

LTE receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.1	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) UT02aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.18.	P
18000 to 26500	63.54	83.54	See Figure A.1.19.	
26500 to 40000	63.54	83.54	See Figure A.1.20.	

LTE receiver Band 13

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.1	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.22.	P
18000 to 26500	63.54	83.54	See Figure A.1.23.	
26500 to 40000	63.54	83.54	See Figure A.1.24.	

LTE receiver Band 26

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.1	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.26.	P
18000 to 26500	63.54	83.54	See Figure A.1.27.	
26500 to 40000	63.54	83.54	See Figure A.1.28.	

Data Transfer: EUT TO PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.30.	P
18000 to 26500	63.54	83.54	See Figure A.1.31.	
26500 to 40000	63.54	83.54	See Figure A.1.32.	

Data Transfer: PC TO EUT

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.34.	P
18000 to 26500	63.54	83.54	See Figure A.1.35.	
26500 to 40000	63.54	83.54	See Figure A.1.36.	

Data Transfer: TF TO PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.38.	P
18000 to 26500	63.54	83.54	See Figure A.1.39.	
26500 to 40000	63.54	83.54	See Figure A.1.40.	

Data Transfer: PC TO TF

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.42.	P
18000 to 26500	63.54	83.54	See Figure A.1.43.	
26500 to 40000	63.54	83.54	See Figure A.1.44.	

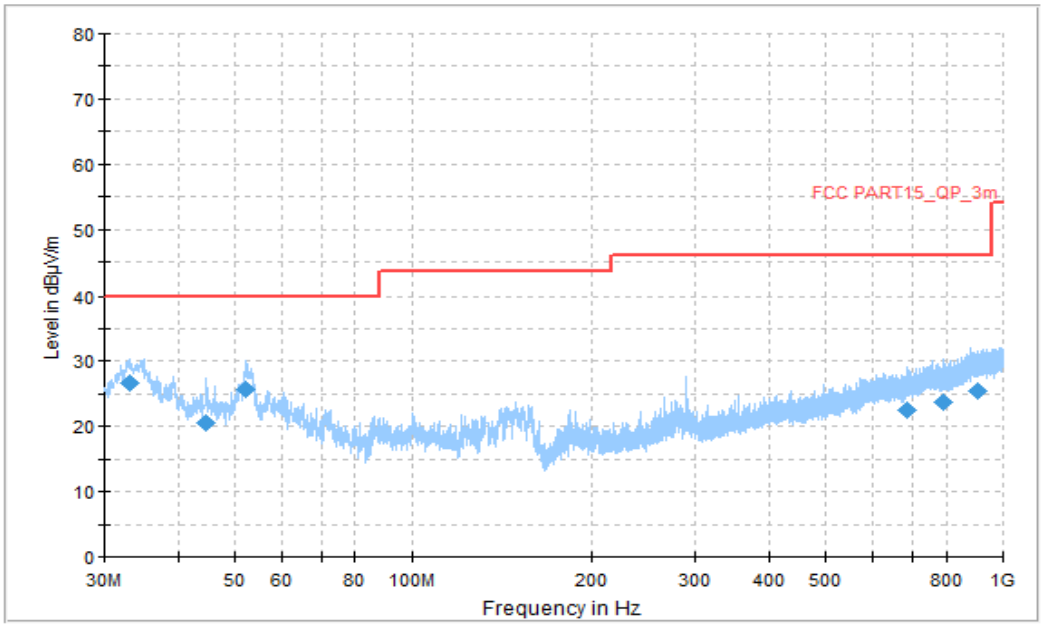


Figure A.1.1. Radiated Emission (Camera, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
33.017778	26.59	40.00	13.41	V	-15.0	36.13
44.711667	20.67	40.00	19.33	V	-13.1	38.56
52.256111	25.62	40.00	14.38	V	-13.8	32.00
689.168889	22.49	46.02	23.53	V	-3.5	38.01
793.174444	23.65	46.02	22.37	H	-2.2	40.09
903.161667	25.49	46.02	20.53	H	0.0	37.68

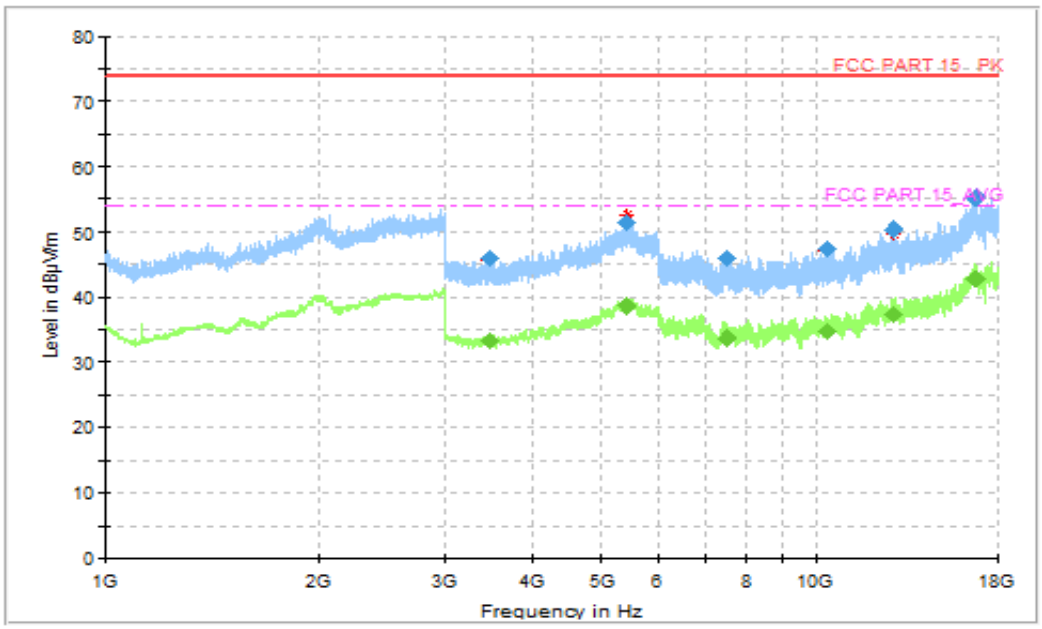


Figure A.1.2. Radiated Emission (Camera, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3474.500000	46.08	74.00	27.92	V	0.5	38.79
5416.000000	51.46	74.00	22.54	H	7.4	35.67
7512.000000	45.97	74.00	28.03	V	7.0	35.48
10355.500000	47.57	74.00	26.43	H	10.3	35.55
12887.500000	50.45	74.00	23.55	H	12.6	36.76
16738.000000	55.17	74.00	18.83	V	18.8	35.40

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3474.500000	33.19	54.00	20.81	V	0.5	27.72
5416.000000	38.55	54.00	15.45	H	7.4	25.15
7512.000000	33.85	54.00	20.15	V	7.0	25.17
10355.500000	34.70	54.00	19.30	H	10.3	25.24
12887.500000	37.40	54.00	16.60	H	12.6	26.56
16738.000000	42.84	54.00	11.16	V	18.8	23.89

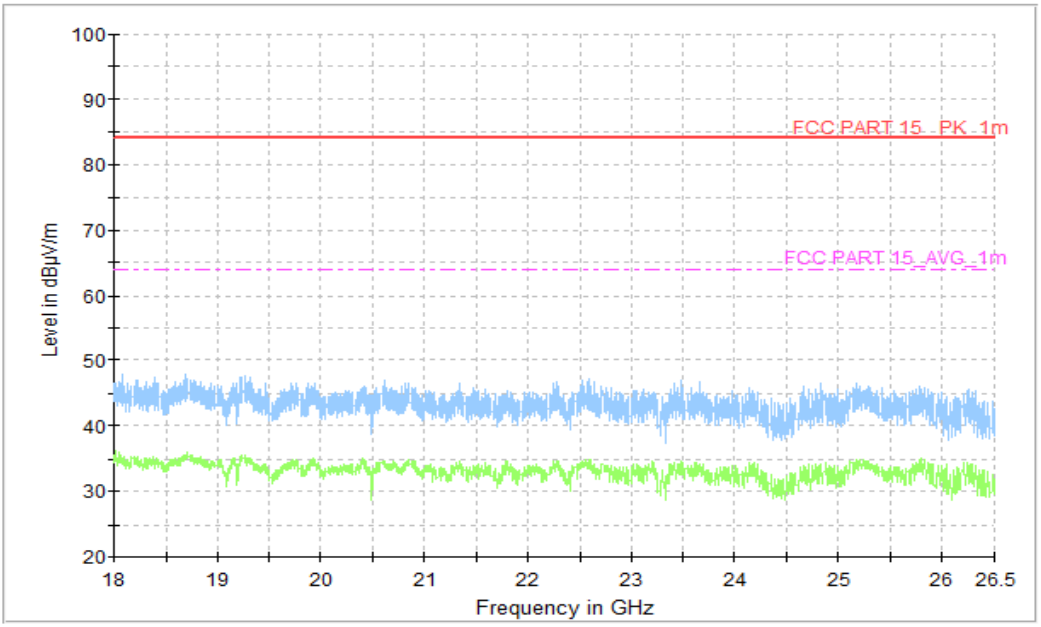


Figure A.1.3. Radiated Emission (Camera , 18GHz to 26.5GHz)

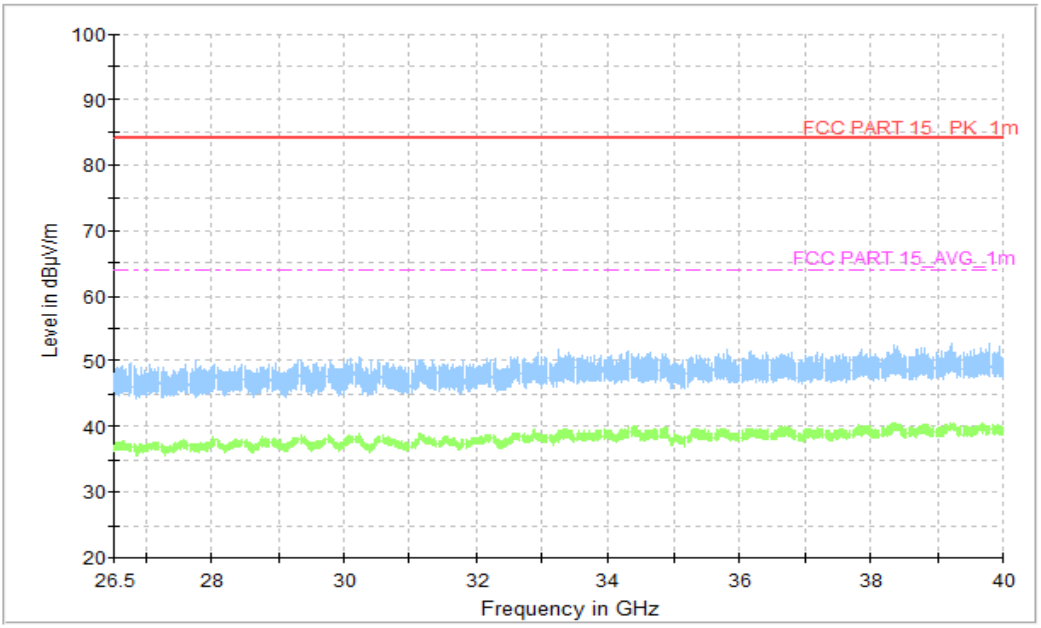


Figure A.1.4. Radiated Emission (Camera , 26.5GHz to 40GHz)

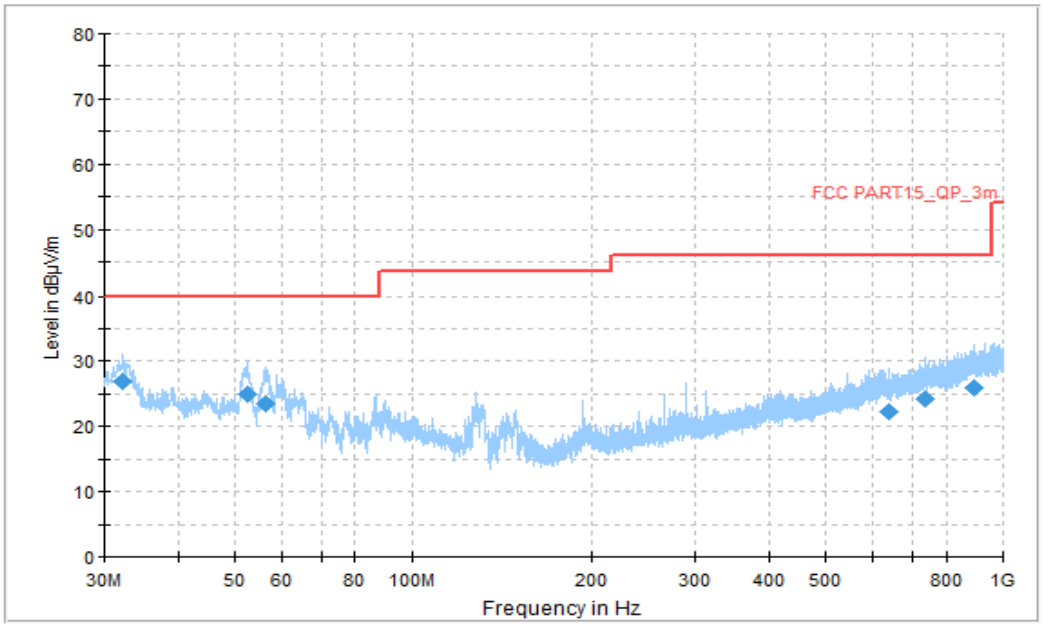


Figure A.1.5. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.263333	26.81	40.00	13.19	H	-15.2	36.82
52.525556	25.04	40.00	14.96	H	-14.0	34.62
56.243889	23.40	40.00	16.60	H	-13.0	38.21
639.806667	22.21	46.02	23.81	H	-4.5	35.89
738.261667	24.10	46.02	21.92	H	-2.6	35.9
890.659444	25.92	46.02	20.10	V	-0.5	35.55

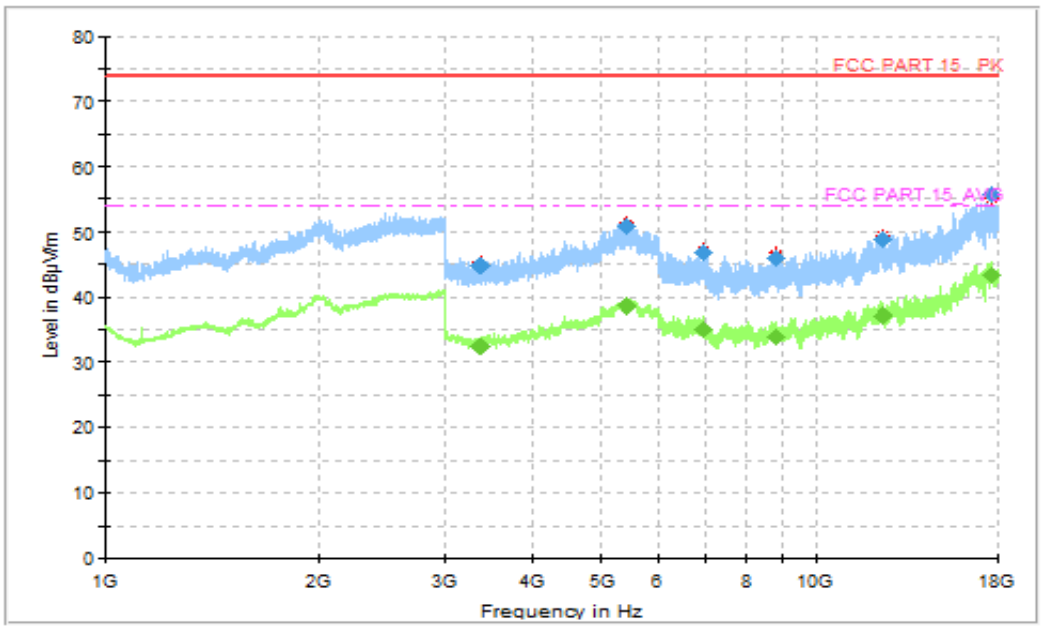


Figure A.1.6. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3380.000000	44.76	74.00	29.24	V	0.2	37.90
5440.500000	50.83	74.00	23.17	H	7.4	37.02
6948.000000	46.73	74.00	27.27	H	8.7	36.15
8795.000000	46.08	74.00	27.92	V	7.4	37.68
12397.500000	49.00	74.00	25.00	V	12.6	37.79
17672.000000	55.77	74.00	18.23	H	20.6	35.23

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3380.000000	32.52	54.00	21.48	V	0.2	27.23
5440.500000	38.62	54.00	15.38	H	7.4	26.35
6948.000000	34.91	54.00	19.09	H	8.7	25.24
8795.000000	33.98	54.00	20.02	V	7.4	29.01
12397.500000	37.16	54.00	16.84	V	12.6	25.89
17672.000000	43.30	54.00	10.70	H	20.6	24.44

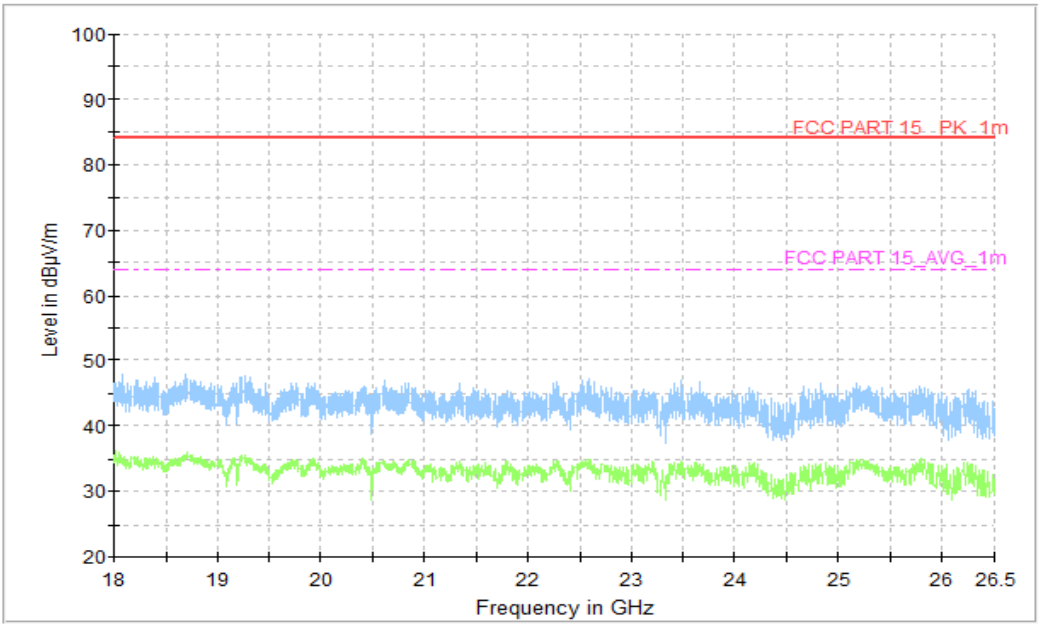


Figure A.1.7. Radiated Emission (Video Player , 18GHz to 26.5GHz)

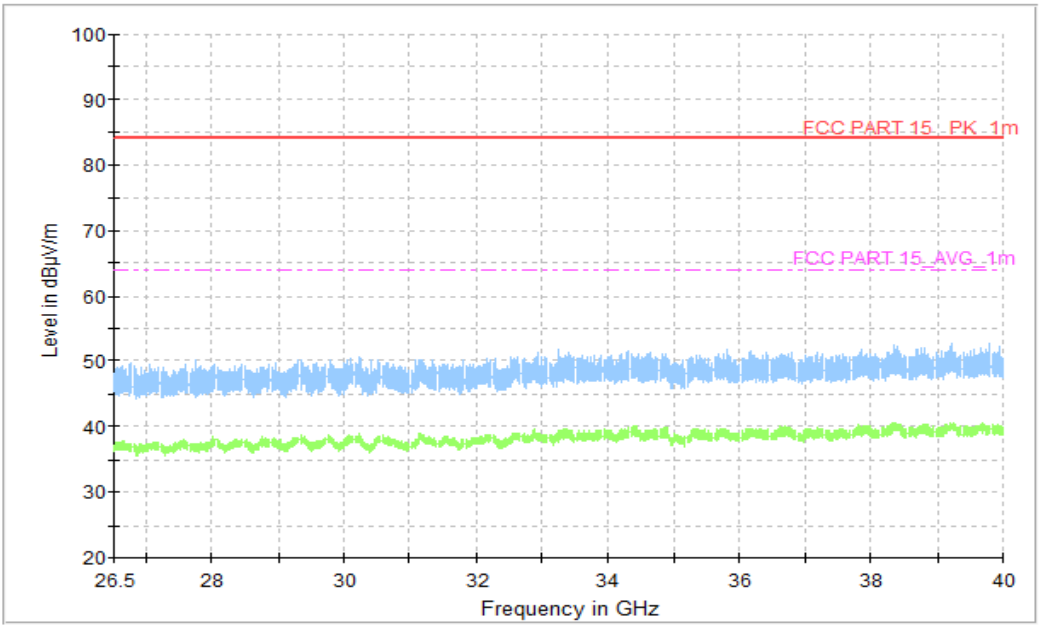


Figure A.1.8. Radiated Emission (Video Player , 26.5GHz to 40GHz)

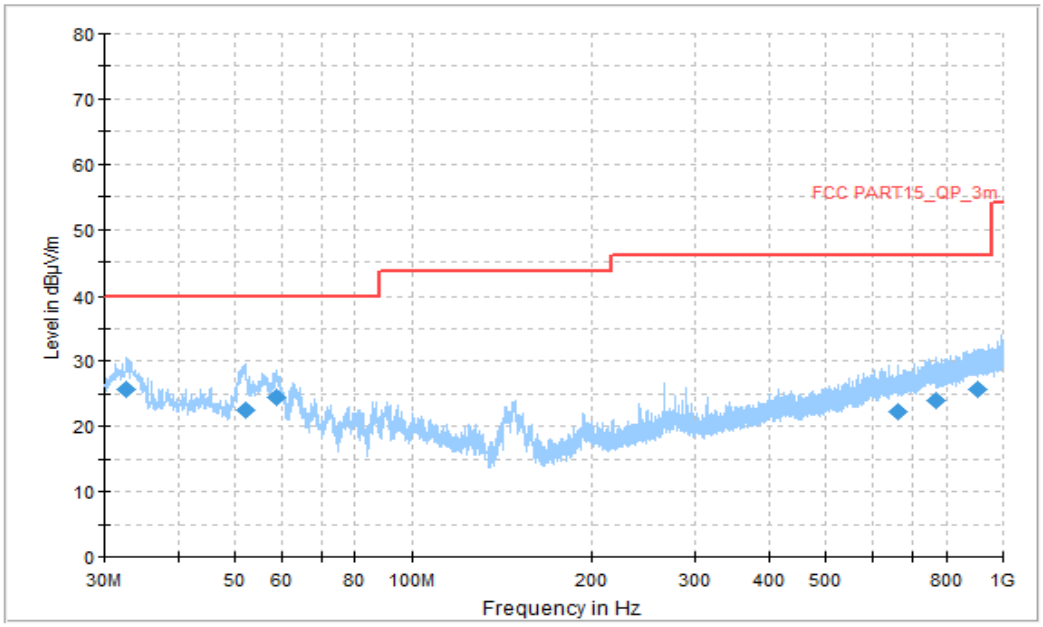


Figure A.1.9. Radiated Emission (GSM receiver 850MHz, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.748333	25.73	40.00	14.27	H	-15.2	37.30
51.986667	22.49	40.00	17.51	H	-13.8	33.67
58.668889	24.58	40.00	15.42	H	-13.1	42.77
663.517778	22.35	46.02	23.67	H	-4.0	37.64
768.439444	24.04	46.02	21.98	H	-2.4	38.57
906.610556	25.61	46.02	20.41	H	-0.5	36.72

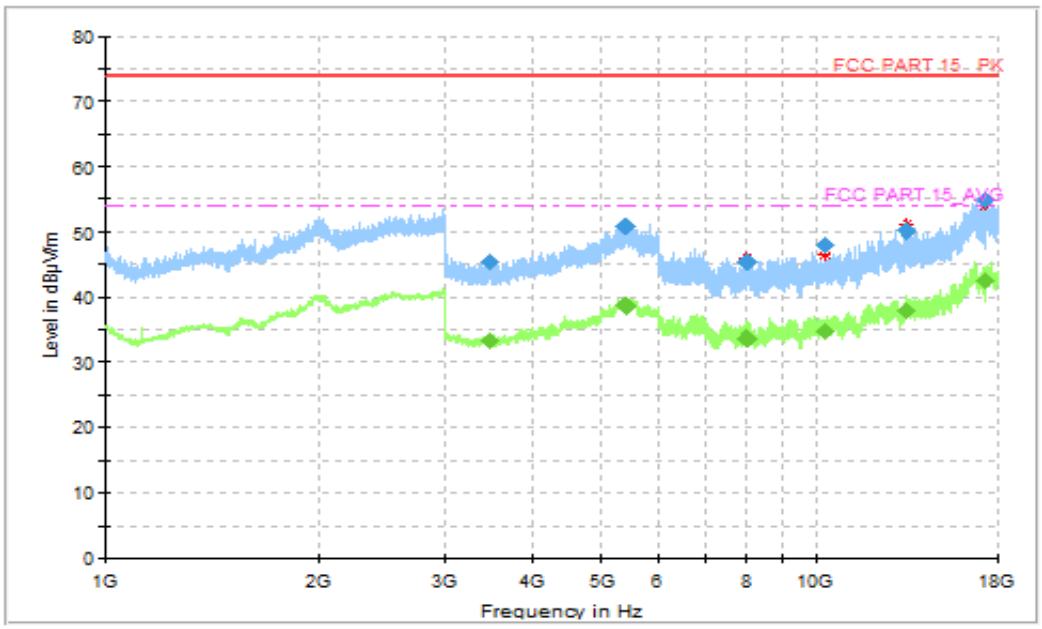


Figure A.1.10. Radiated Emission (GSM receiver 850MHz , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3472.500000	45.53	74.00	28.47	H	0.5	51.30
5411.000000	50.98	74.00	23.02	V	7.4	50.00
8003.500000	45.53	74.00	28.47	H	7.1	48.20
10293.500000	47.95	74.00	26.05	H	9.9	46.90
13411.000000	50.04	74.00	23.96	V	13.0	46.40
17319.000000	54.86	74.00	19.14	H	19.4	43.70

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3472.500000	33.16	54.00	20.84	H	0.5	38.30
5411.000000	38.74	54.00	15.26	V	7.4	37.60
8003.500000	33.74	54.00	20.26	H	7.1	34.90
10293.500000	34.66	54.00	19.34	H	9.9	33.10
13411.000000	37.86	54.00	16.14	V	13.0	32.60
17319.000000	42.50	54.00	11.50	H	19.4	30.90

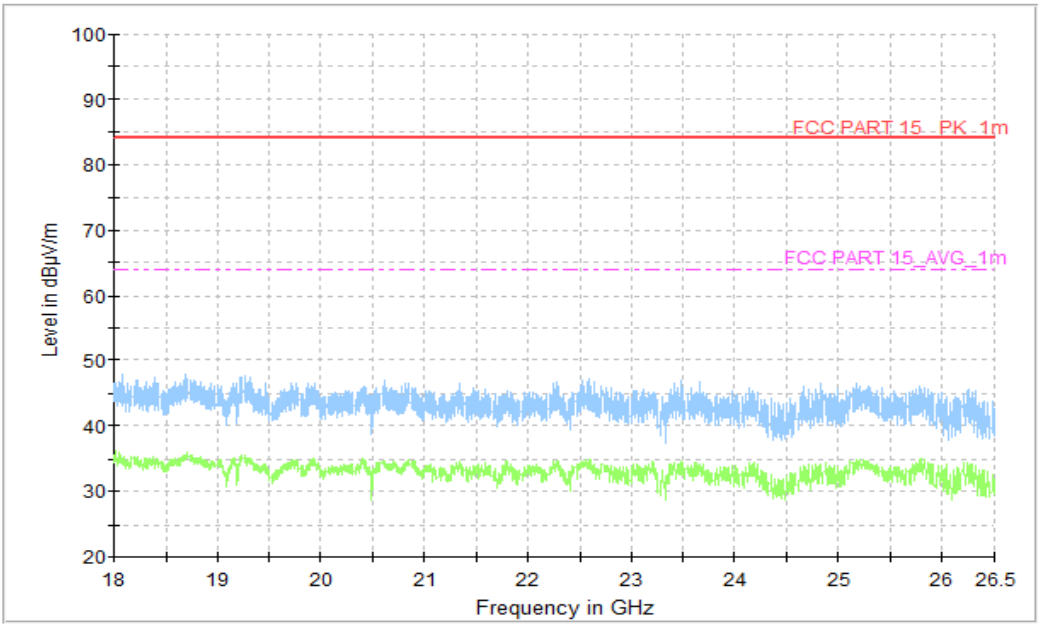


Figure A.1.11. Radiated Emission (GSM receiver 850MHz, 18GHz to 26.5GHz)

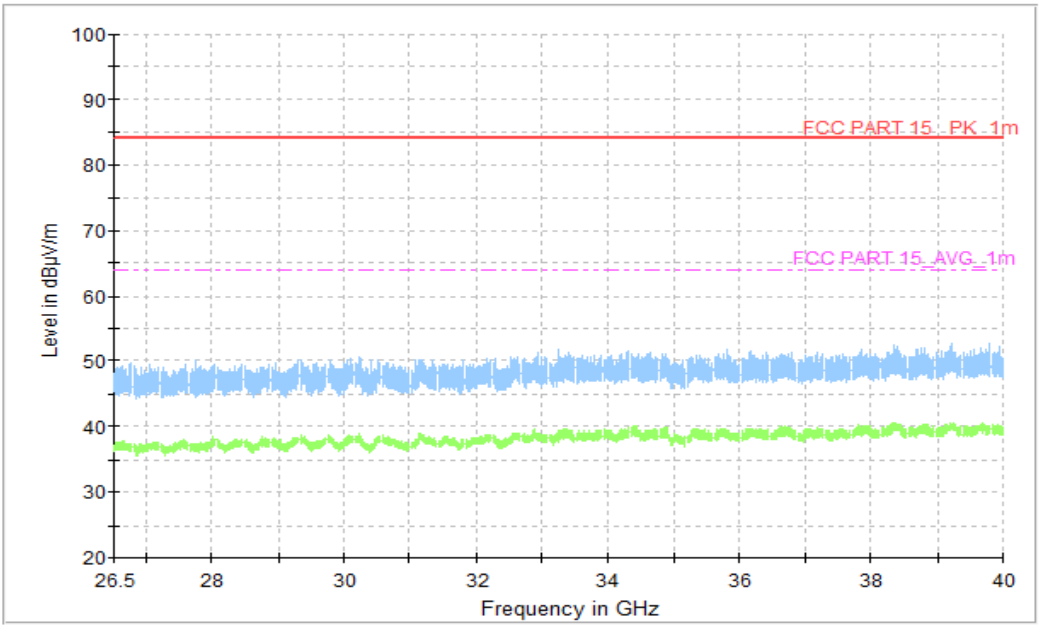


Figure A.1.12. Radiated Emission (GSM receiver 850MHz , 26.5GHz to 40GHz)

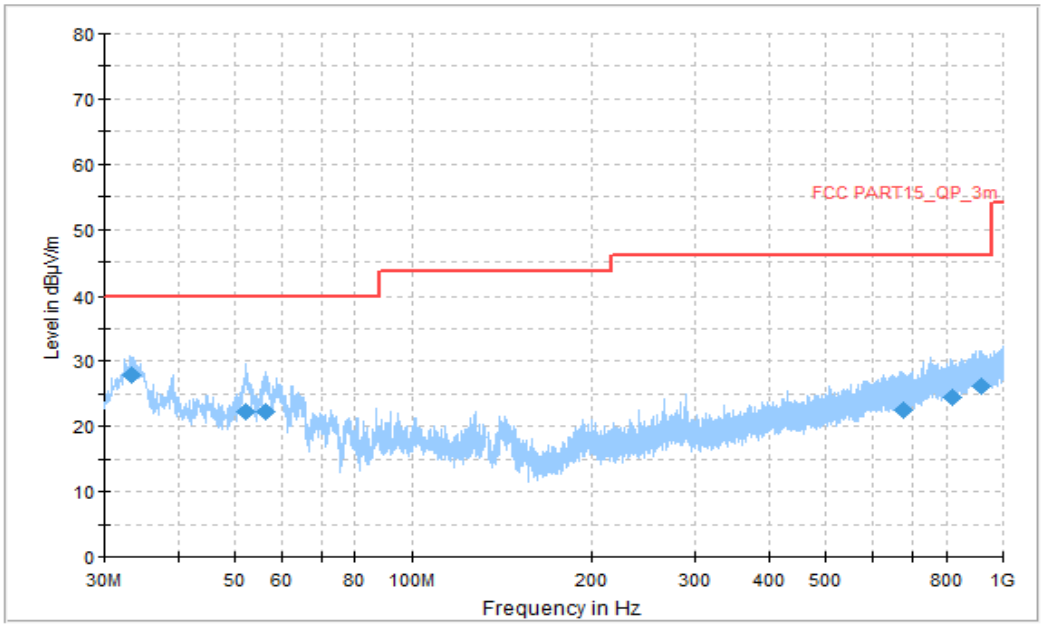


Figure A.1.13. Radiated Emission (WCDMA receiver Band5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
33.341111	28.00	40.00	12.00	H	-15.1	36.24
52.094444	22.20	40.00	17.80	H	-13.8	33.56
56.297778	22.28	40.00	17.72	H	-12.9	42.80
679.415000	22.62	46.02	23.40	V	-3.9	39.34
817.640000	24.41	46.02	21.61	H	-2.1	36.13
916.903333	26.07	46.02	19.95	V	-0.3	34.71

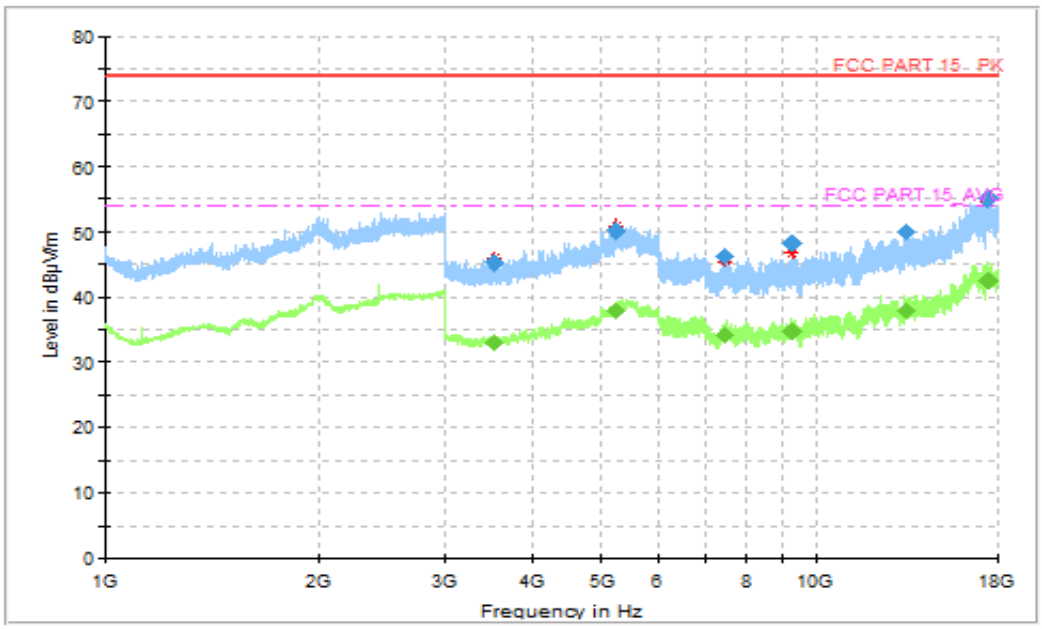


Figure A.1.14. Radiated Emission (WCDMA receiver Band5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3527.500000	45.36	74.00	28.64	H	0.7	51.30
5247.500000	50.16	74.00	23.84	H	7.0	50.00
7468.000000	46.16	74.00	27.84	H	7.0	48.20
9261.000000	48.14	74.00	25.86	V	8.0	46.90
13402.500000	49.91	74.00	24.09	V	13.0	46.40
17513.500000	55.00	74.00	19.00	V	20.2	43.70

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3527.500000	33.09	54.00	20.91	H	0.7	38.30
5247.500000	37.86	54.00	16.14	H	7.0	37.60
7468.000000	34.20	54.00	19.80	H	7.0	34.90
9261.000000	34.62	54.00	19.38	V	8.0	33.10
13402.500000	37.86	54.00	16.14	V	13.0	32.60
17513.500000	42.66	54.00	11.34	V	20.2	30.90

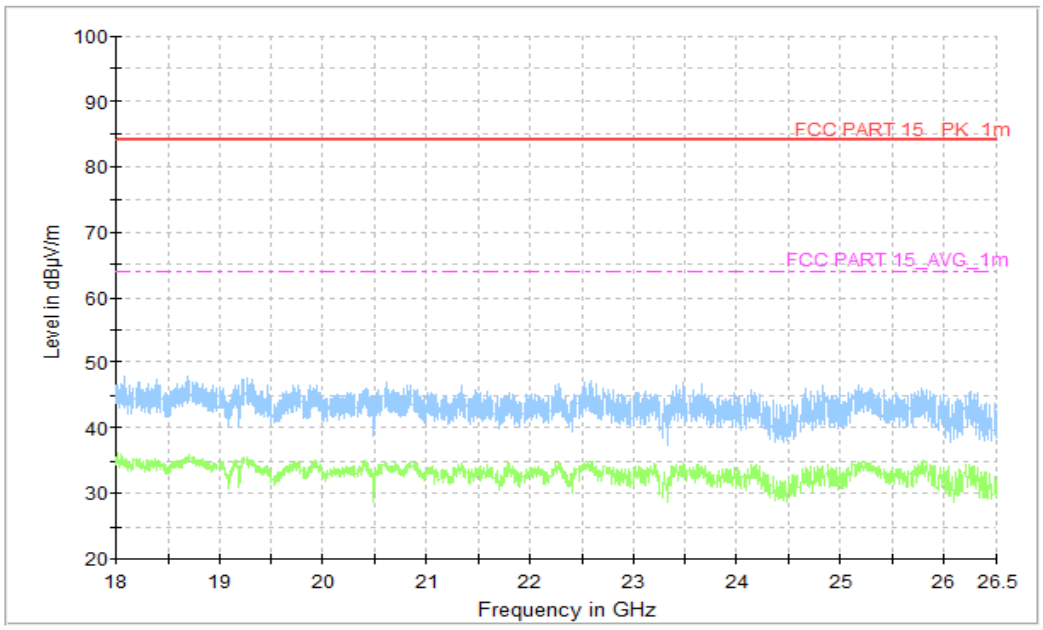


Figure A.1.15. Radiated Emission (WCDMA receiver Band5, 18GHz to 26.5GHz)

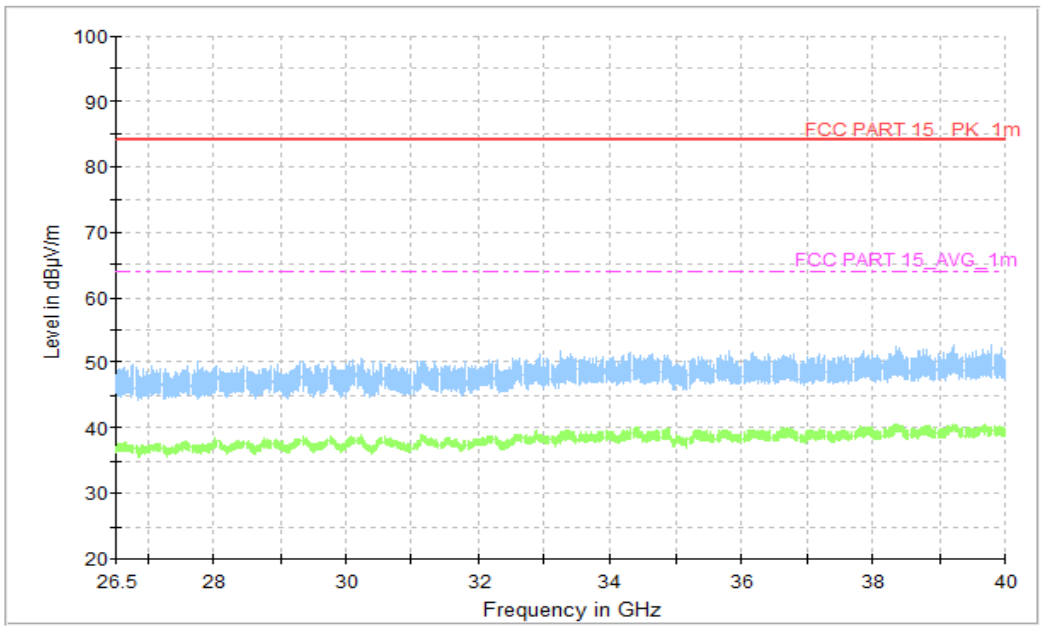


Figure A.1.16. Radiated Emission (WCDMA receiver Band5, 26.5GHz to 40GHz)

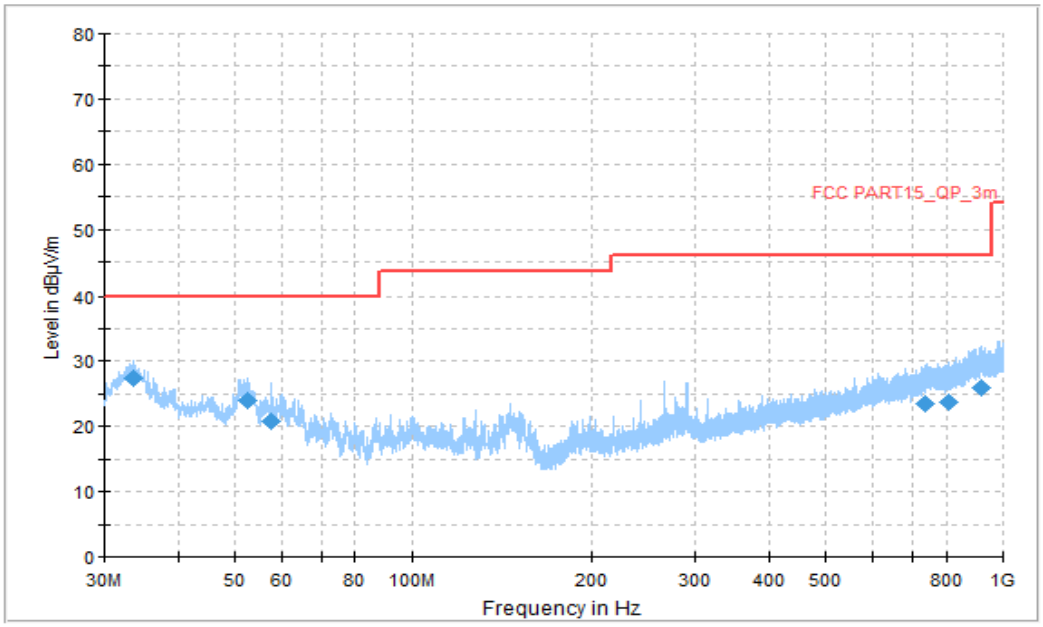


Figure A.1.17. Radiated Emission (LTE receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
33.502778	27.31	40.00	12.69	V	-14.9	35.41
52.633333	23.95	40.00	16.05	V	-13.9	33.93
57.429444	20.91	40.00	19.09	V	-12.7	32.52
738.908333	23.53	46.02	22.49	V	-2.4	31.55
806.053889	23.63	46.02	22.39	H	-2.1	33.98
917.981111	25.89	46.02	20.13	H	0.3	25.48

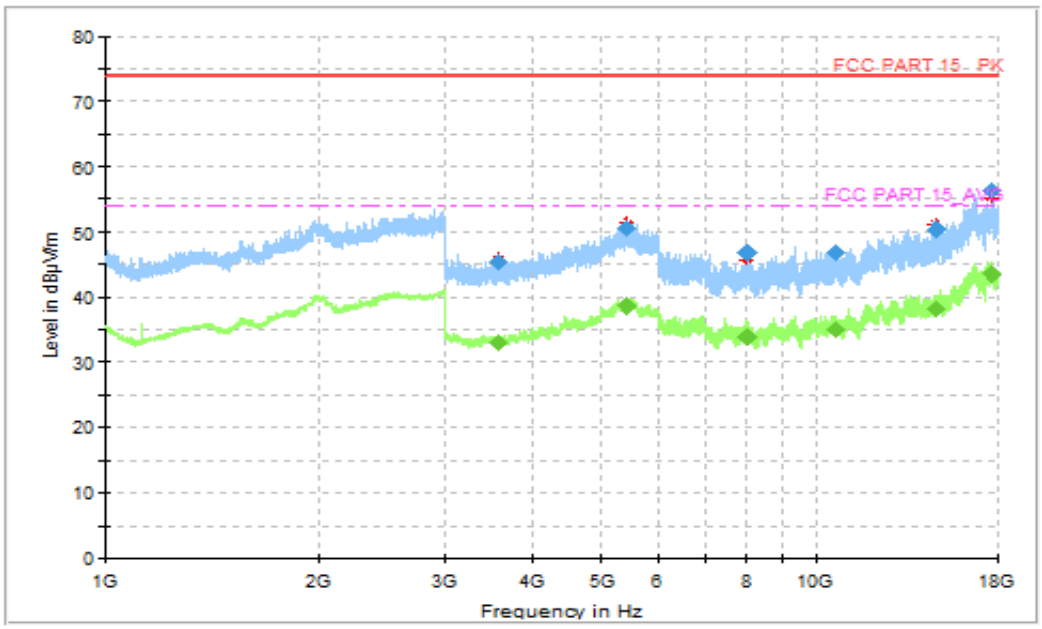


Figure A.1.18. Radiated Emission (LTE receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3580.000000	45.43	74.00	28.57	V	0.7	37.81
5415.000000	50.59	74.00	23.41	V	7.4	36.59
8016.000000	46.64	74.00	27.36	H	7.3	35.37
10688.500000	46.81	74.00	27.19	V	9.8	35.86
14776.000000	50.28	74.00	23.72	V	14.2	36.03
17690.500000	56.18	74.00	17.82	V	20.6	34.04

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3580.000000	33.04	54.00	20.96	V	0.7	27.49
5415.000000	38.64	54.00	15.36	V	7.4	25.77
8016.000000	33.92	54.00	20.08	H	7.3	24.99
10688.500000	34.87	54.00	19.13	V	9.8	25.08
14776.000000	38.22	54.00	15.78	V	14.2	25.84
17690.500000	43.54	54.00	10.46	V	20.6	24.00

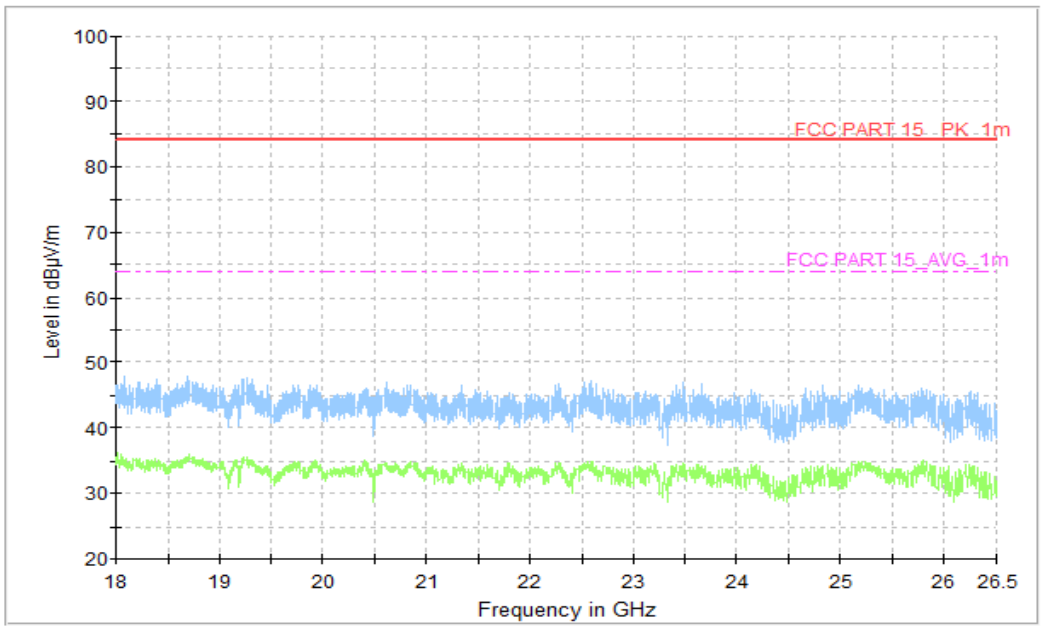


Figure A.1.19. Radiated Emission ((LTE receiver Band 5 , 18GHz to 26.5GHz)

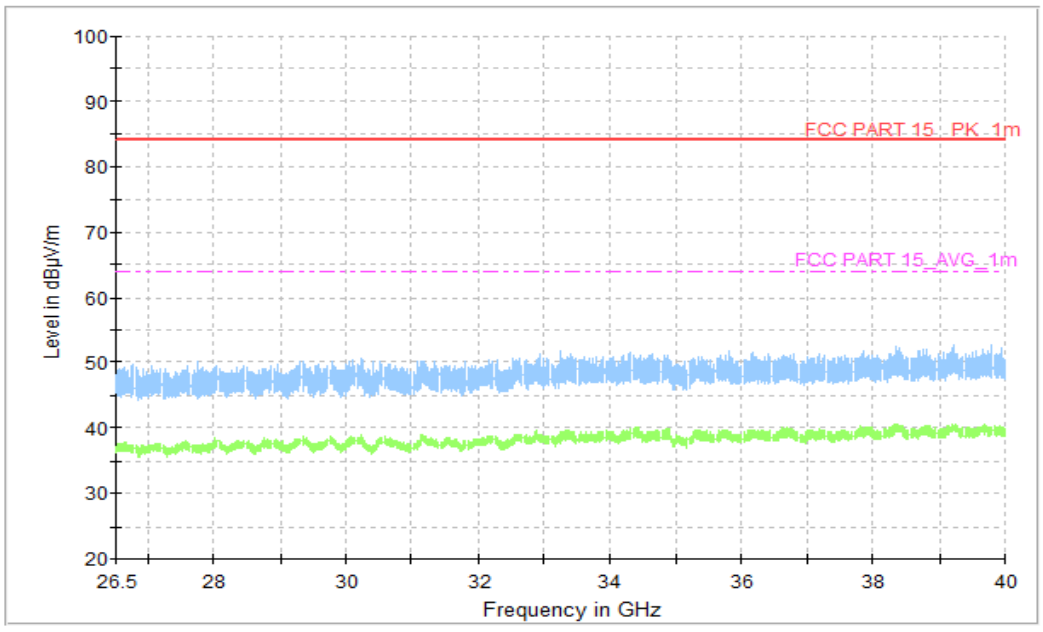


Figure A.1.20. Radiated Emission ((LTE receiver Band 5 , 26.5GHz to 40GHz)

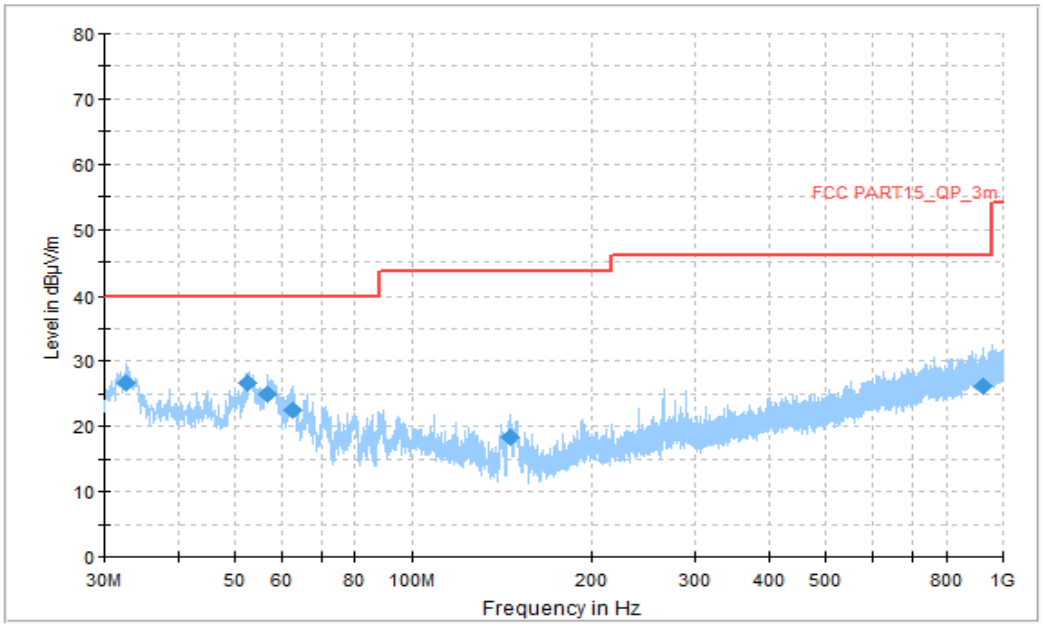


Figure A.1.21. Radiated Emission (LTE receiver Band 13, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.640556	26.55	40.00	13.45	H	-15.2	36.31
52.633333	26.75	40.00	13.25	H	-14.0	33.81
56.944444	24.94	40.00	15.06	H	-12.7	43.08
62.602778	22.55	40.00	17.45	H	-14.6	33.79
145.968889	18.27	43.52	25.25	H	-18.3	40.15
924.555556	26.06	46.02	19.96	H	-0.2	32.86

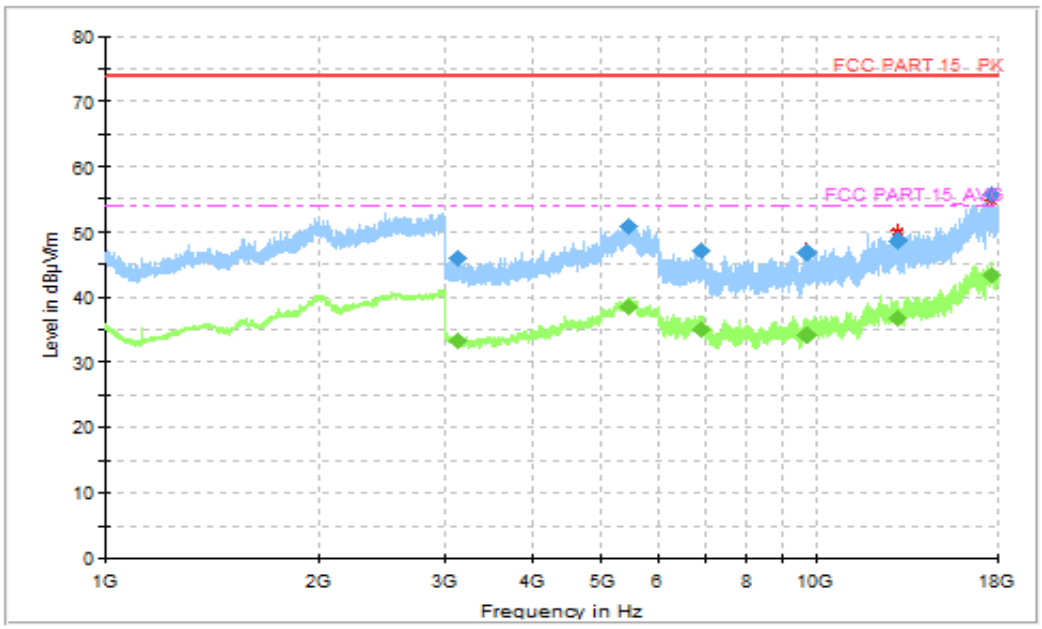


Figure A.1.22. Radiated Emission (LTE receiver Band 13, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3148.500000	46.09	74.00	27.91	V	0.5	38.24
5451.500000	50.88	74.00	23.12	H	7.4	36.85
6928.000000	47.16	74.00	26.84	V	8.6	35.47
9721.000000	46.67	74.00	27.33	H	8.6	35.57
13041.500000	48.75	74.00	25.25	H	12.8	38.55
17680.500000	55.67	74.00	18.33	H	20.6	35.01

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
3148.500000	33.28	54.00	20.72	V	0.5	27.79
5451.500000	38.44	54.00	15.56	H	7.4	26.51
6928.000000	34.89	54.00	19.11	V	8.6	24.90
9721.000000	34.20	54.00	19.80	H	8.6	24.65
13041.500000	36.70	54.00	17.30	H	12.8	27.73
17680.500000	43.38	54.00	10.62	H	20.6	24.14

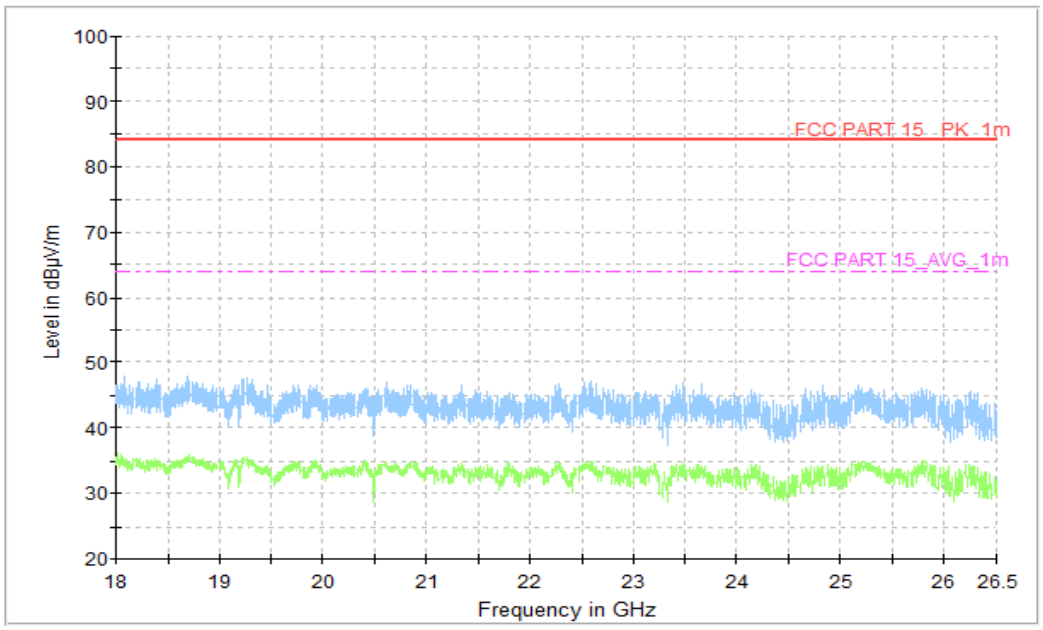


Figure A.1.23. Radiated Emission ((LTE receiver Band 13, 18GHz to 26.5GHz)

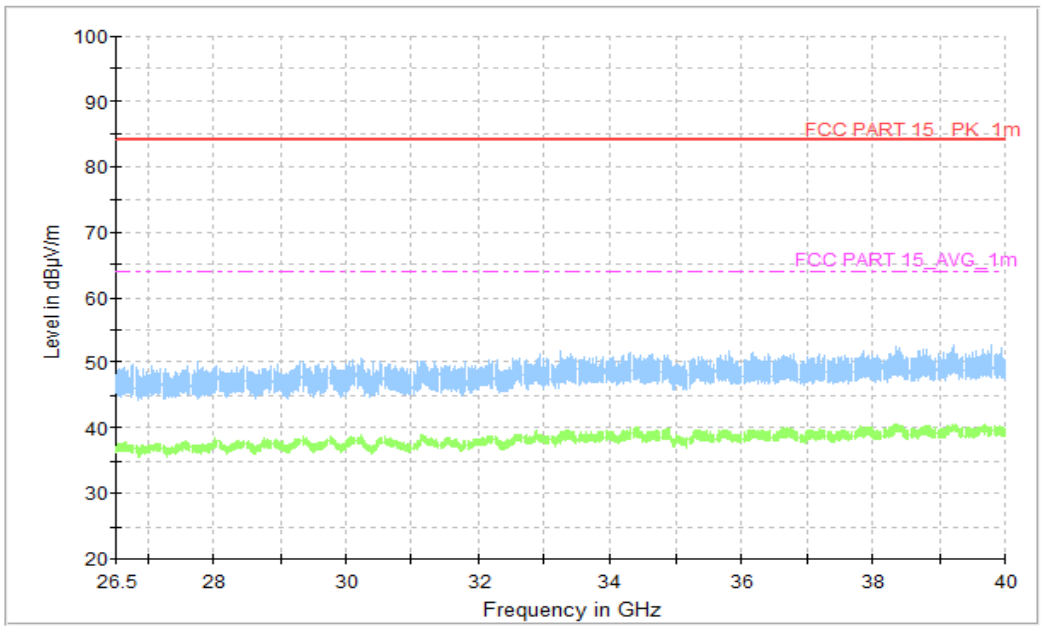


Figure A.1.24. Radiated Emission ((LTE receiver Band 13, 26.5GHz to 40GHz)

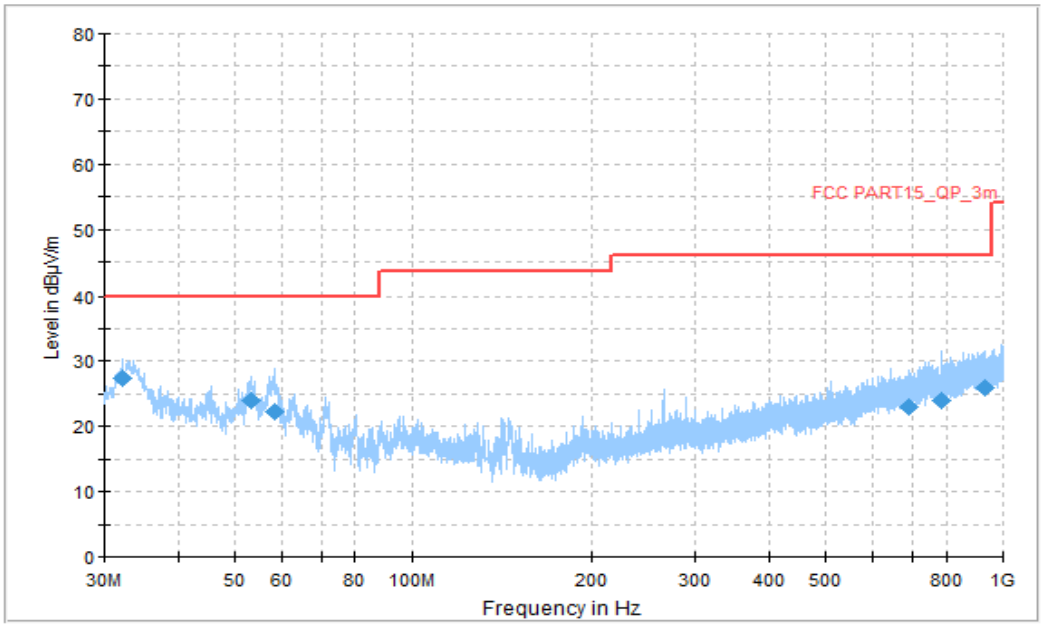


Figure A.1.25. Radiated Emission (LTE receiver Band 26, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.209444	27.46	40.00	12.54	H	-15.2	36.97
53.280000	23.90	40.00	16.10	H	-14.2	33.51
58.183889	22.36	40.00	17.64	H	-13.0	42.11
692.563889	22.88	46.02	23.14	V	-3.7	39.22
785.630000	24.06	46.02	21.96	H	-2.4	36.37
931.345556	25.99	46.02	20.03	H	-0.2	32.95

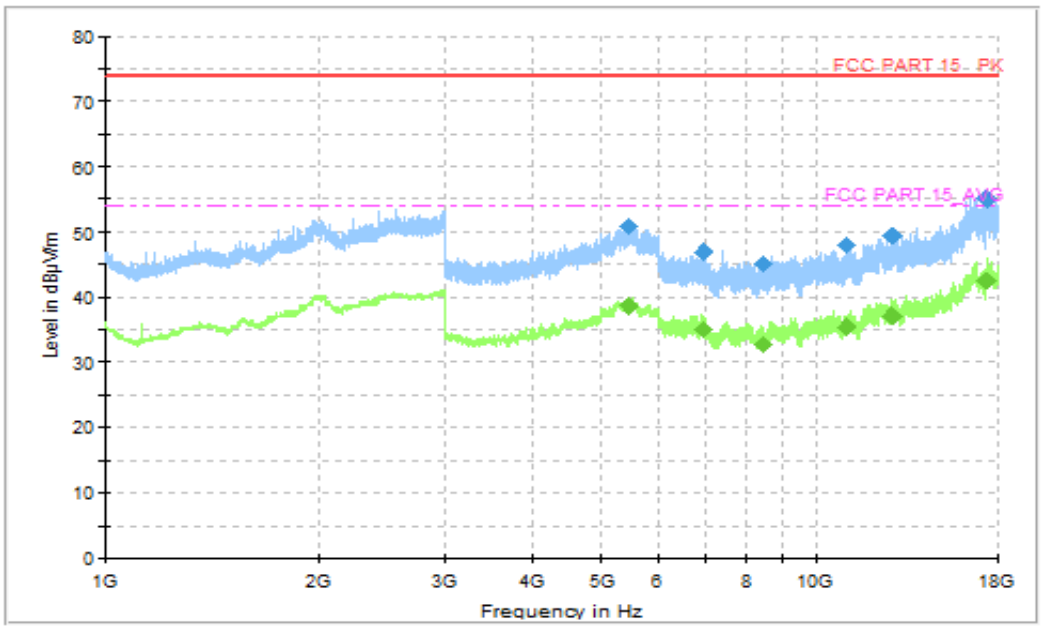


Figure A.1.26. Radiated Emission (LTE receiver Band 26, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5476.000000	50.94	74.00	23.06	H	7.2	37.92
6943.500000	47.00	74.00	27.00	V	8.9	35.9
8417.500000	44.96	74.00	29.04	V	7.6	36.07
11075.500000	47.87	74.00	26.13	H	11.0	35.16
12788.000000	49.30	74.00	24.70	V	12.8	36.62
17344.500000	55.01	74.00	18.99	V	19.5	34.80

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5476.000000	38.67	54.00	15.33	H	7.2	27.29
6943.500000	34.95	54.00	19.05	V	8.9	25.68
8417.500000	32.67	54.00	21.33	V	7.6	25.68
11075.500000	35.51	54.00	18.49	H	11.0	25.12
12788.000000	37.31	54.00	16.69	V	12.8	25.87
17344.500000	42.59	54.00	11.41	V	19.5	23.70

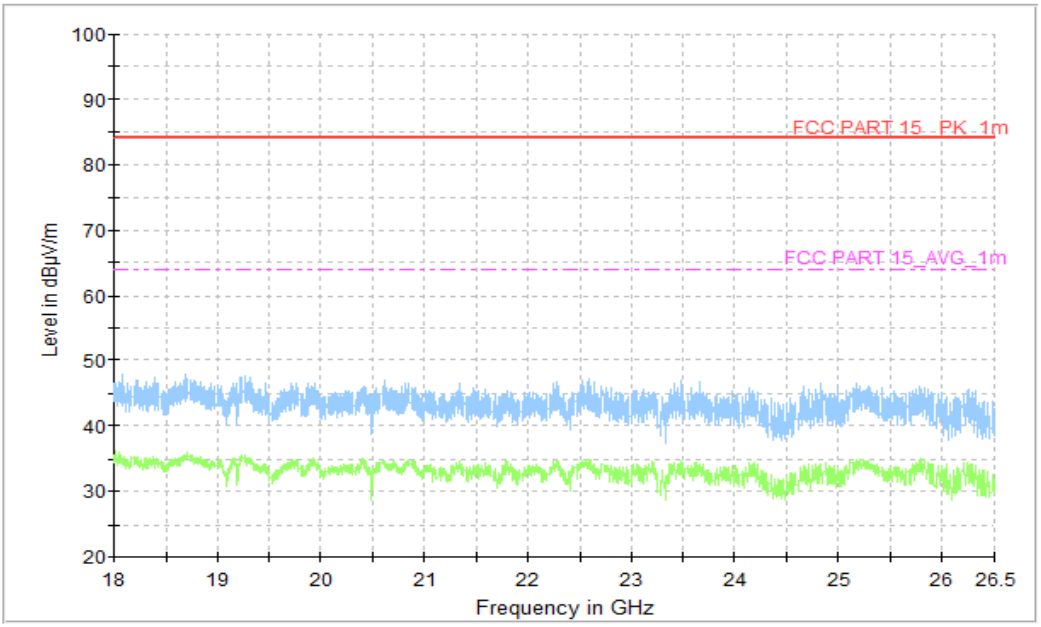


Figure A.1.27. Radiated Emission (LTE receiver Band 26, 18GHz to 26.5GHz)

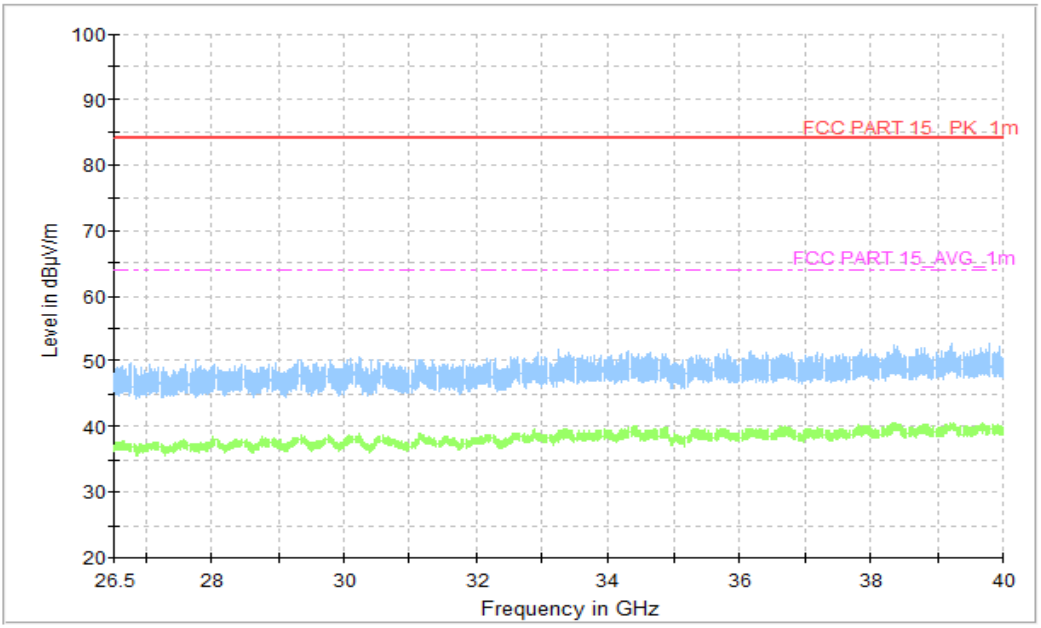


Figure A.1.28. Radiated Emission (LTE receiver Band 26, 26.5GHz to 40GHz)

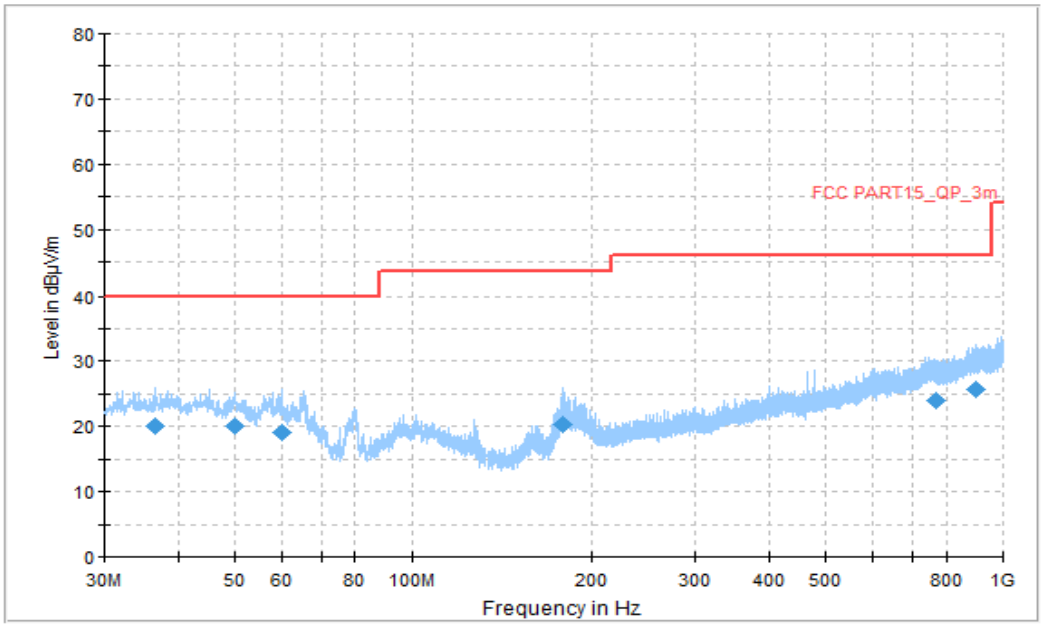


Figure A.1.29. Radiated Emission (Data Transfer: EUT TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
36.520556	20.12	40.00	19.88	V	-14.2	34.94
49.992778	19.96	40.00	20.04	H	-13.4	33.31
59.908333	19.13	40.00	20.87	H	-13.6	42.28
179.002778	20.35	43.52	23.17	H	-16.6	39.91
771.834444	24.03	46.02	21.99	V	-2.5	41.77
896.425556	25.72	46.02	20.30	V	-0.5	42.34

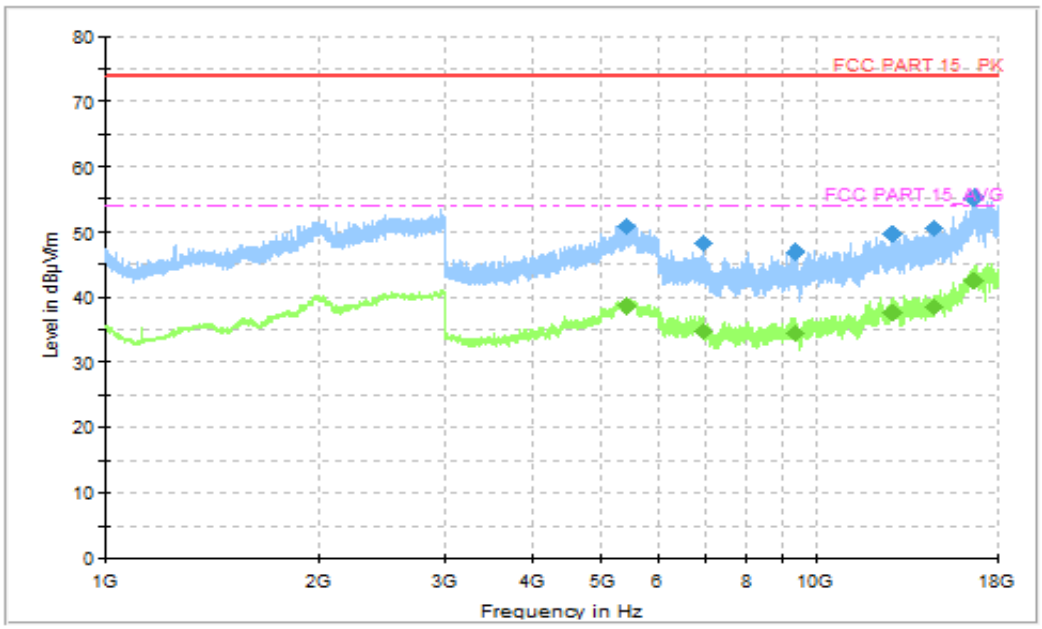


Figure A.1.30. Radiated Emission (Data Transfer: EUT TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5441.000000	50.77	74.00	23.23	V	7.4	39.19
6957.000000	48.14	74.00	25.86	V	8.4	37.76
9365.500000	46.89	74.00	27.11	H	8.3	35.30
12800.000000	49.58	74.00	24.42	H	12.8	36.24
14687.500000	50.53	74.00	23.47	H	13.5	35.93
16666.000000	55.22	74.00	18.78	H	19.0	34.10

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5441.000000	38.61	54.00	15.39	V	7.4	27.58
6957.000000	34.77	54.00	19.23	V	8.4	25.98
9365.500000	34.47	54.00	19.53	H	8.3	24.88
12800.000000	37.59	54.00	16.41	H	12.8	24.92
14687.500000	38.43	54.00	15.57	H	13.5	25.77
16666.000000	42.59	54.00	11.41	H	19.0	23.81

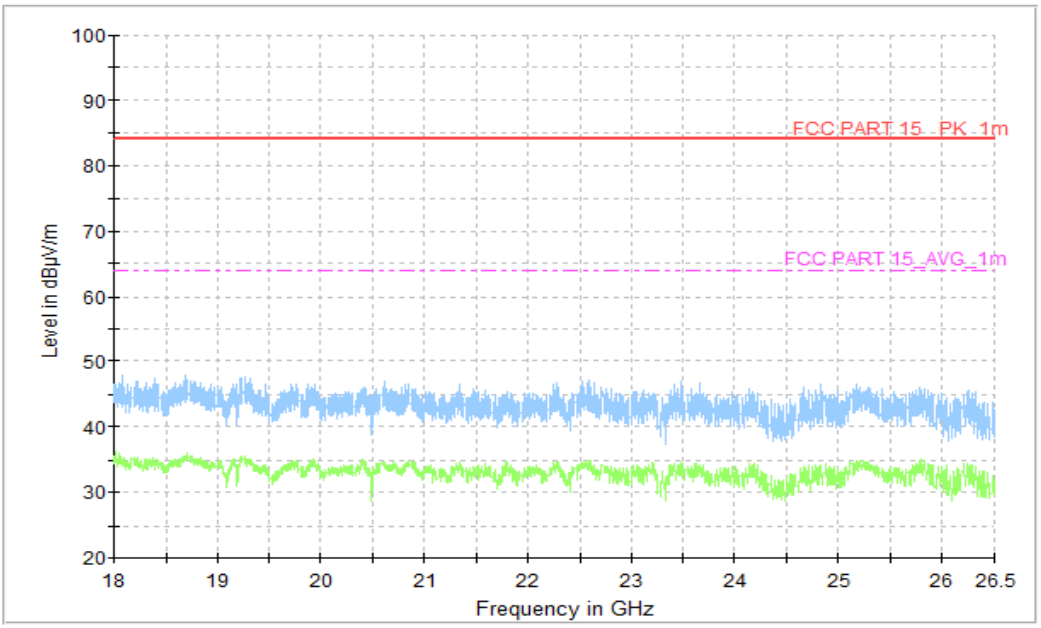


Figure A.1.31. Radiated Emission (Data Transfer: EUT TO PC, 18GHz to 26.5GHz)

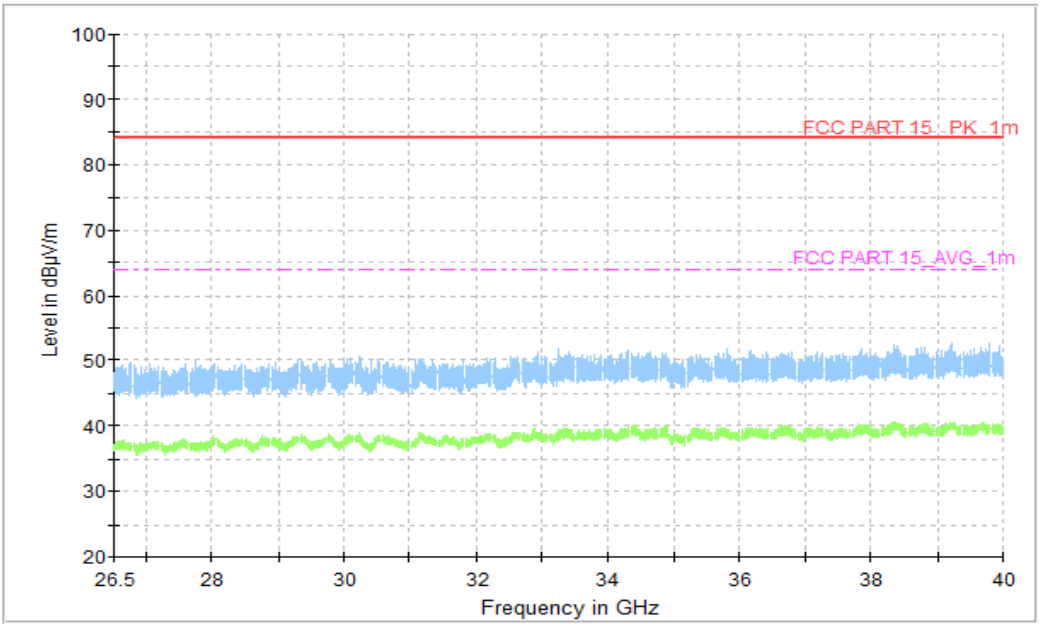


Figure A.1.32. Radiated Emission (Data Transfer: EUT TO PC, 26.5GHz to 40GHz)

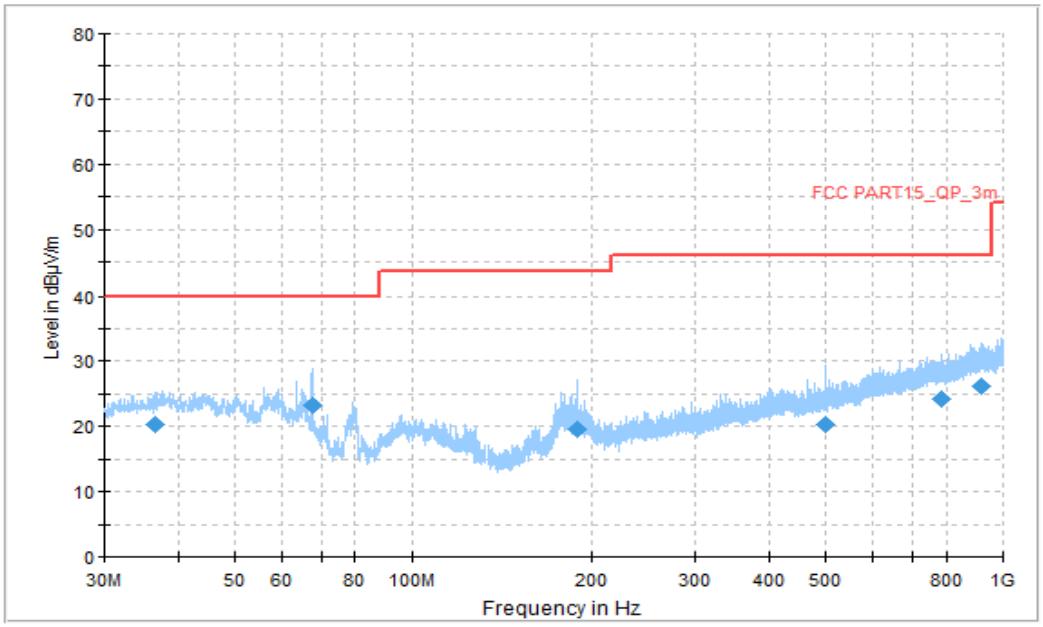


Figure A.1.33. Radiated Emission (Data Transfer: PC TO EUT, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
36.682222	20.25	40.00	19.75	H	-14.2	34.91
67.560556	23.25	40.00	16.75	V	-16.4	33.33
189.133889	19.62	43.52	23.90	H	-15.4	42.18
499.264444	20.25	46.02	25.77	H	-7.0	42.96
786.653889	24.14	46.02	21.88	H	-2.4	44.17
917.172778	26.13	46.02	19.89	H	-0.3	43.37

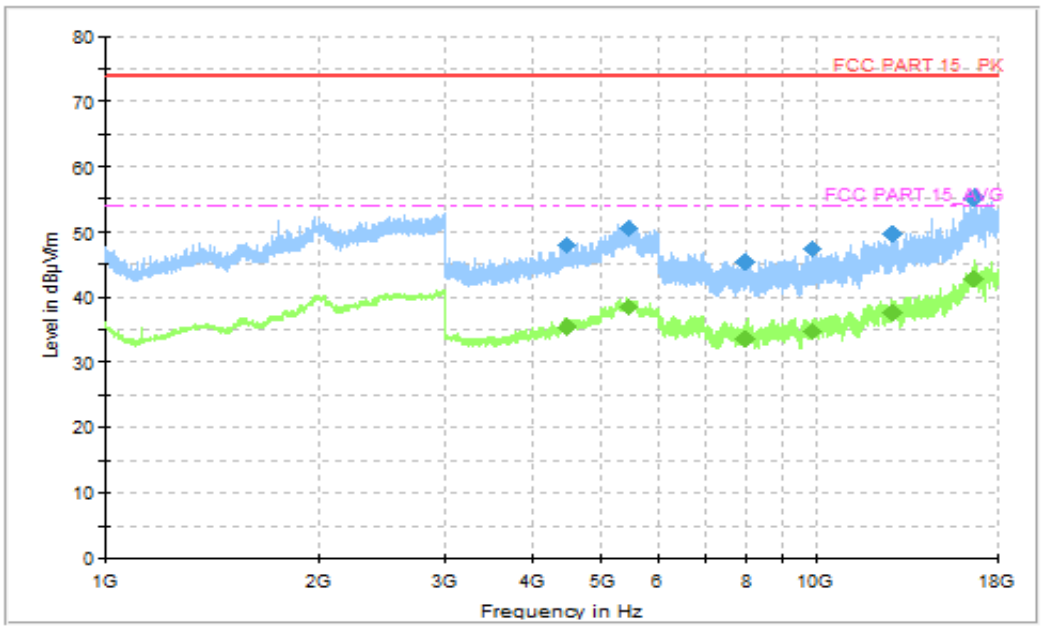


Figure A.1.34. Radiated Emission (Data Transfer: PC TO EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
4481.500000	47.88	74.00	26.12	H	4.9	37.62
5470.000000	50.52	74.00	23.48	H	7.3	38.61
7936.000000	45.61	74.00	28.39	H	7.0	37.27
9899.500000	47.39	74.00	26.61	H	8.9	36.10
12797.000000	49.60	74.00	24.40	H	12.8	36.49
16684.500000	55.31	74.00	18.69	V	19.0	34.24

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
4481.500000	35.43	54.00	18.57	H	4.9	27.18
5470.000000	38.44	54.00	15.56	H	7.3	27.73
7936.000000	33.44	54.00	20.56	H	7.0	25.70
9899.500000	34.63	54.00	19.37	H	8.9	24.97
12797.000000	37.61	54.00	16.39	H	12.8	26.09
16684.500000	42.79	54.00	11.21	V	19.0	23.67

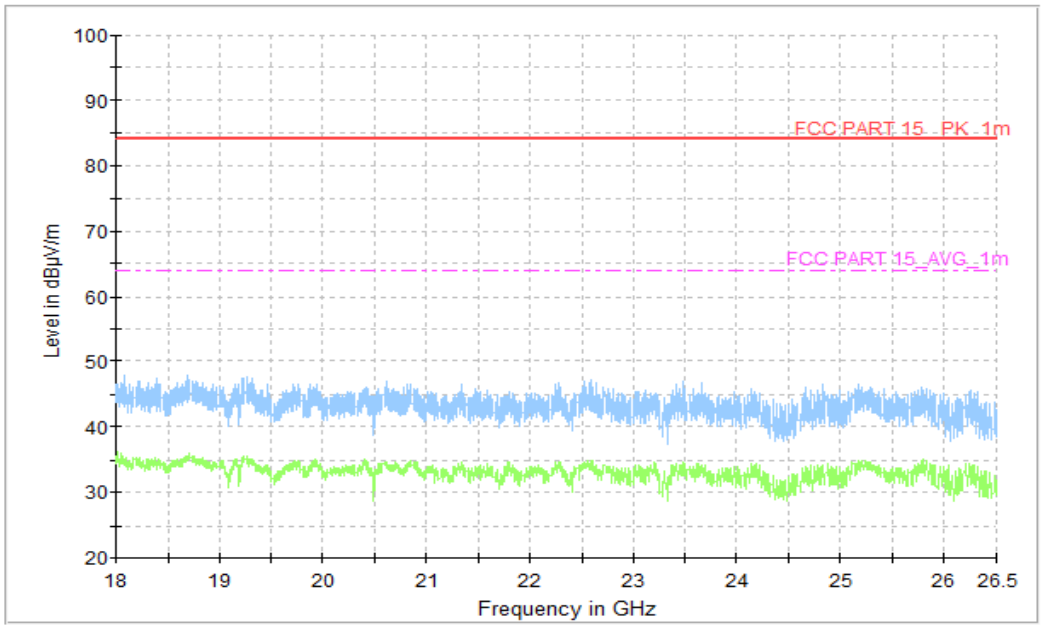


Figure A.1.35. Radiated Emission (Data Transfer: PC TO EUT, 18GHz to 26.5GHz)

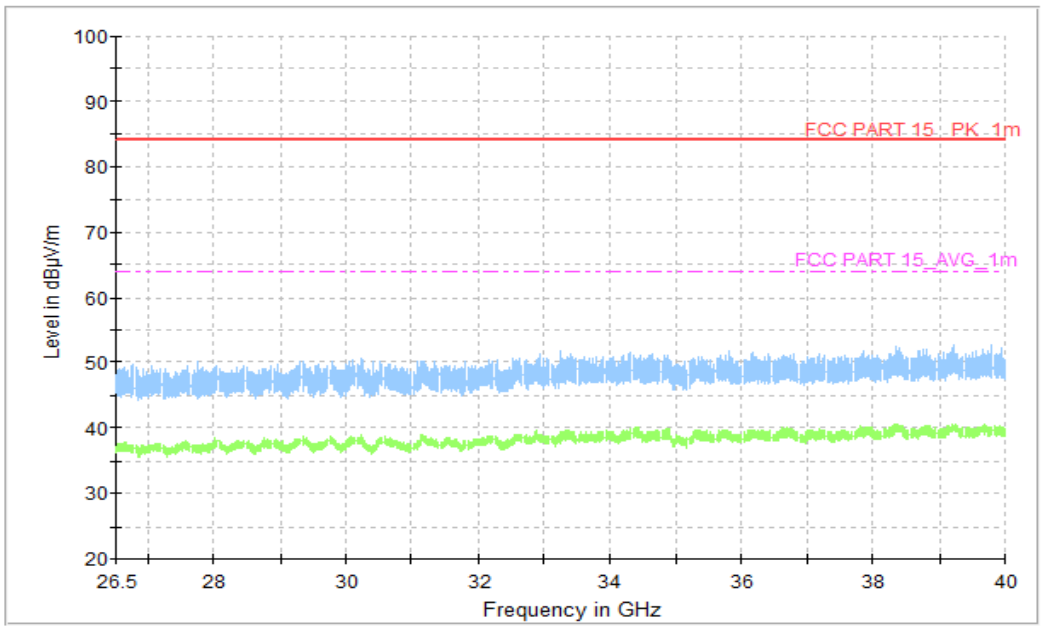


Figure A.1.36. Radiated Emission (Data Transfer: PC TO EUT, 26.5GHz to 40GHz)

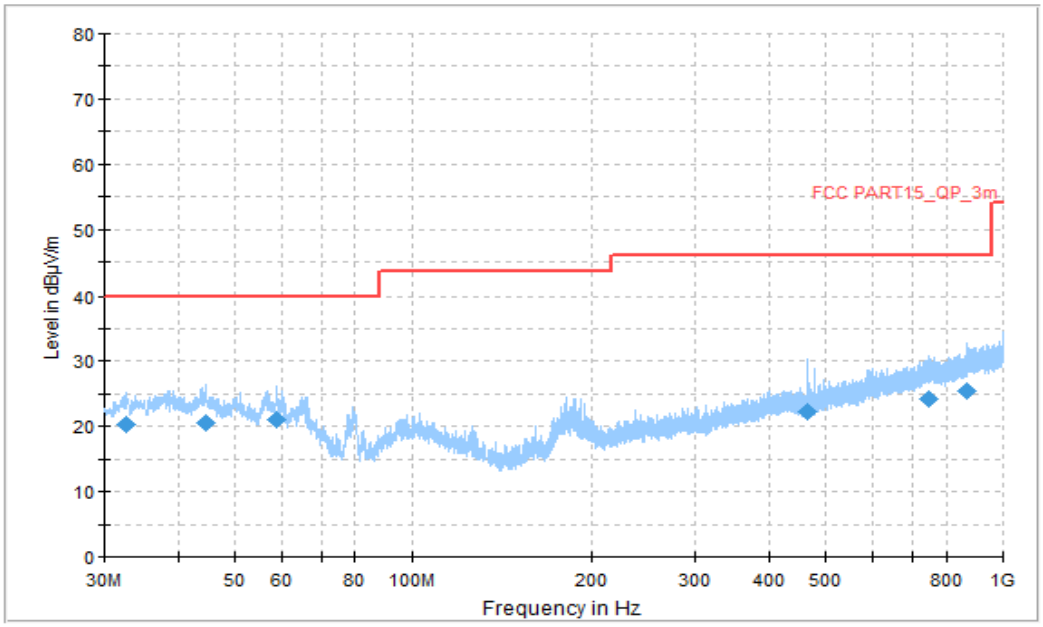


Figure A.1.37. Radiated Emission (Data Transfer: TF TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.586667	20.22	40.00	19.78	V	-15.2	34.94
44.657778	20.56	40.00	19.44	V	-13.2	33.31
58.830556	20.97	40.00	19.03	H	-13.2	42.28
466.500000	22.20	46.02	23.82	H	-7.6	39.91
747.422778	24.31	46.02	21.71	H	-2.3	41.77
869.157778	25.46	46.02	20.56	H	-0.9	42.34

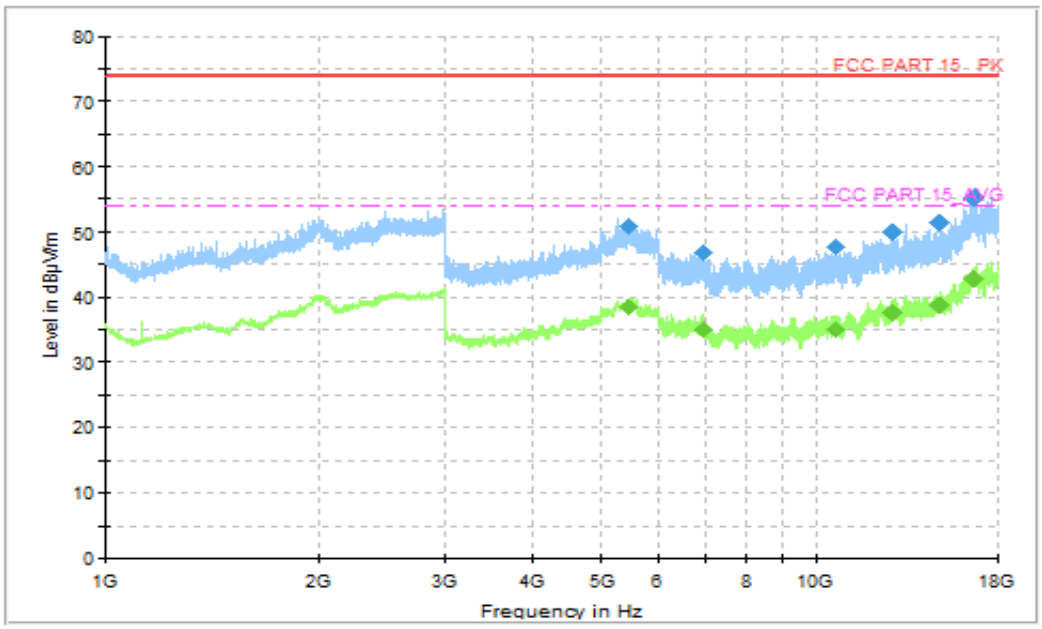


Figure A.1.38. Radiated Emission (Data Transfer: TF TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5450.000000	50.93	74.00	23.07	H	7.4	39.19
6950.500000	46.67	74.00	27.33	V	8.6	37.76
10667.000000	47.62	74.00	26.38	H	9.9	35.30
12802.000000	49.96	74.00	24.04	V	12.8	36.24
14955.000000	51.33	74.00	22.67	V	14.9	35.93
16673.500000	55.17	74.00	18.83	V	19.0	34.10

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5450.000000	38.45	54.00	15.55	H	7.4	27.58
6950.500000	34.91	54.00	19.09	V	8.6	25.98
10667.000000	35.09	54.00	18.91	H	9.9	24.88
12802.000000	37.58	54.00	16.42	V	12.8	24.92
14955.000000	39.01	54.00	14.99	V	14.9	25.77
16673.500000	42.78	54.00	11.22	V	19.0	23.81

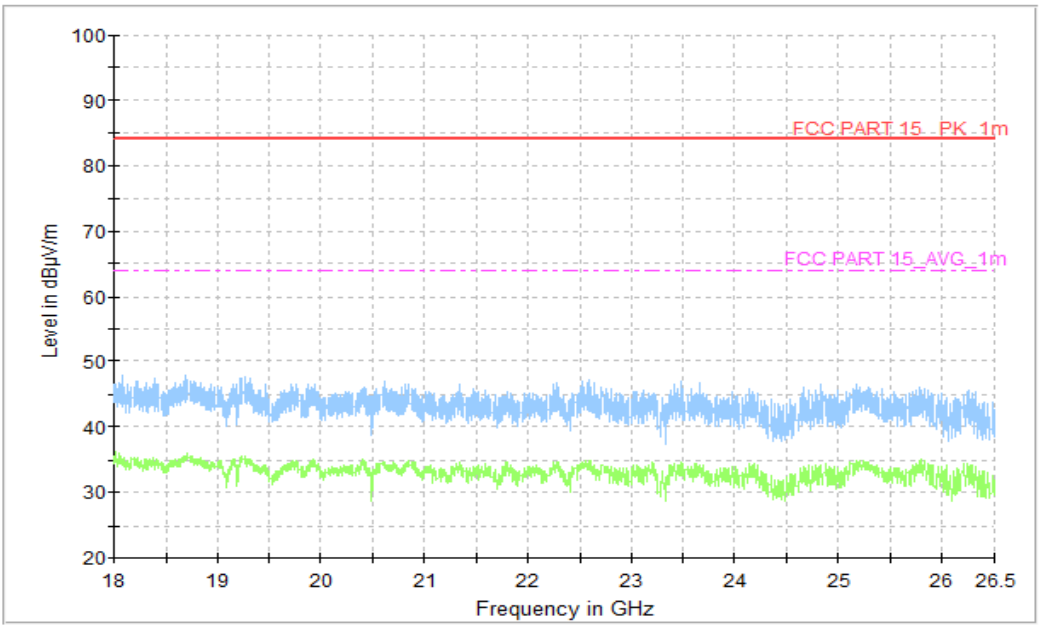


Figure A.1.39. Radiated Emission (Data Transfer: TF TO PC, 18GHz to 26.5GHz)

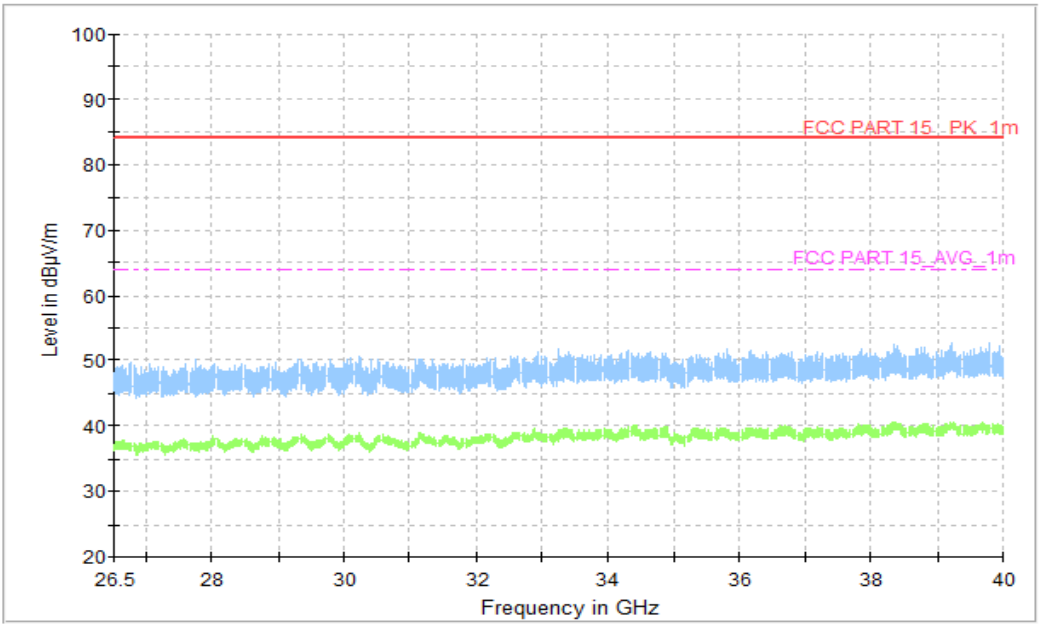


Figure A.1.40. Radiated Emission (Data Transfer: TF TO PC, 26.5GHz to 40GHz)

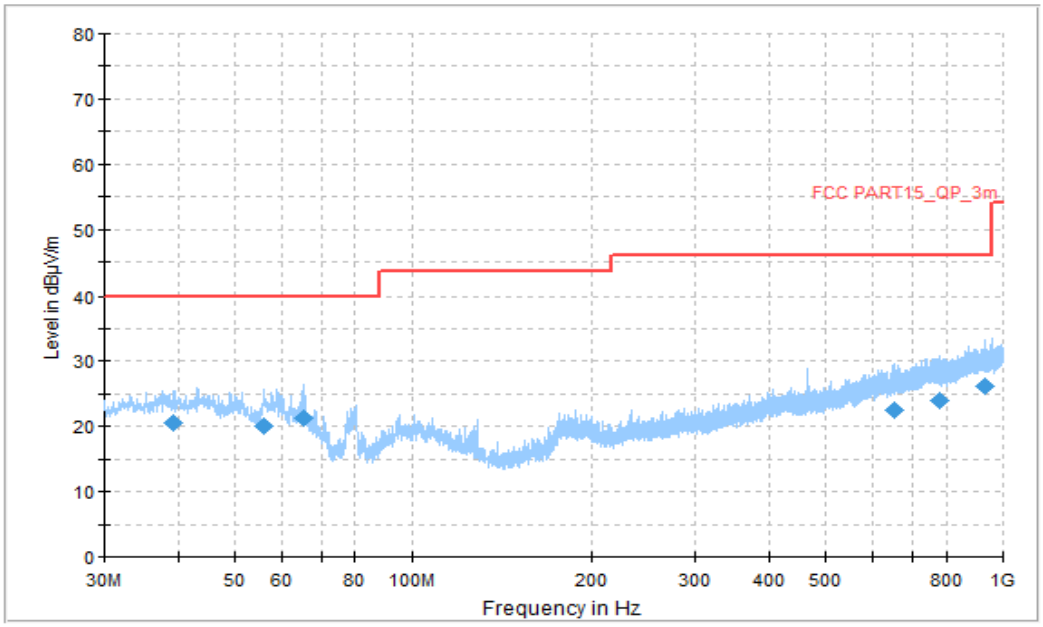


Figure A.1.41. Radiated Emission (Data Transfer: PC TO TF, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
39.376667	20.55	40.00	19.45	H	-13.8	34.91
55.974444	20.03	40.00	19.97	H	-13.1	33.33
65.458889	21.35	40.00	18.65	H	-15.6	42.18
655.650000	22.45	46.02	23.57	V	-4.1	42.96
780.133333	23.96	46.02	22.06	V	-2.4	44.17
929.782778	26.07	46.02	19.95	V	-0.2	43.37

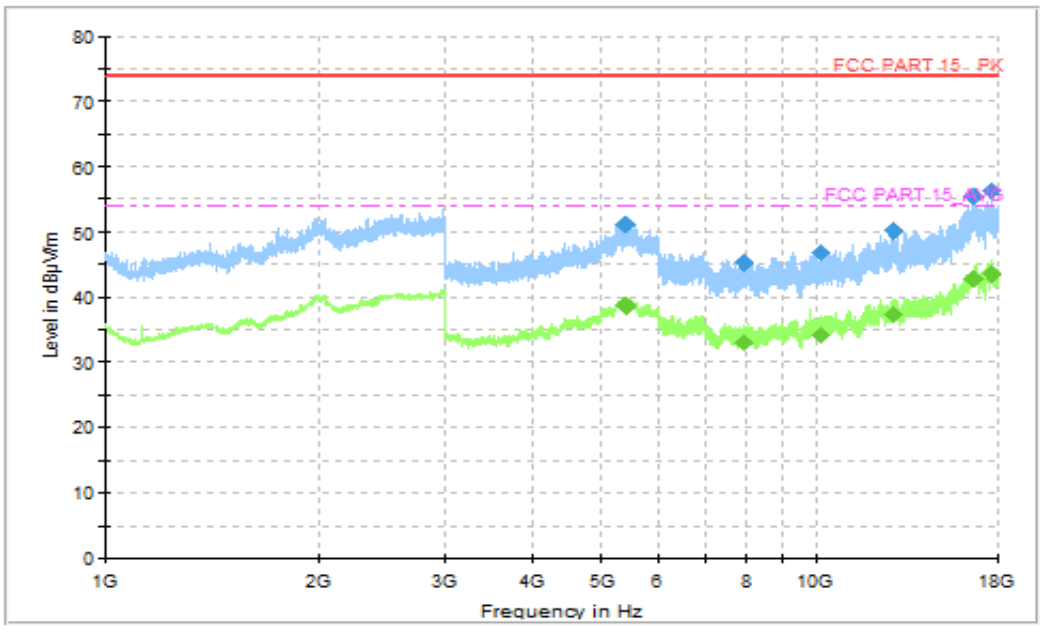


Figure A.1.42. Radiated Emission (Data Transfer: PC TO TF, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5400.000000	51.21	74.00	22.79	H	7.3	37.62
7896.000000	45.15	74.00	28.85	V	7.0	38.61
10195.500000	46.83	74.00	27.17	H	9.5	37.27
12885.500000	50.07	74.00	23.93	H	12.6	36.10
16719.000000	55.56	74.00	18.44	V	18.9	36.49
17688.000000	56.19	74.00	17.81	H	20.6	34.24

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5400.000000	38.56	54.00	15.44	H	7.3	27.18
7896.000000	32.97	54.00	21.03	V	7.0	27.73
10195.500000	34.34	54.00	19.66	H	9.5	25.70
12885.500000	37.54	54.00	16.46	H	12.6	24.97
16719.000000	42.93	54.00	11.07	V	18.9	26.09
17688.000000	43.53	54.00	10.47	H	20.6	23.67

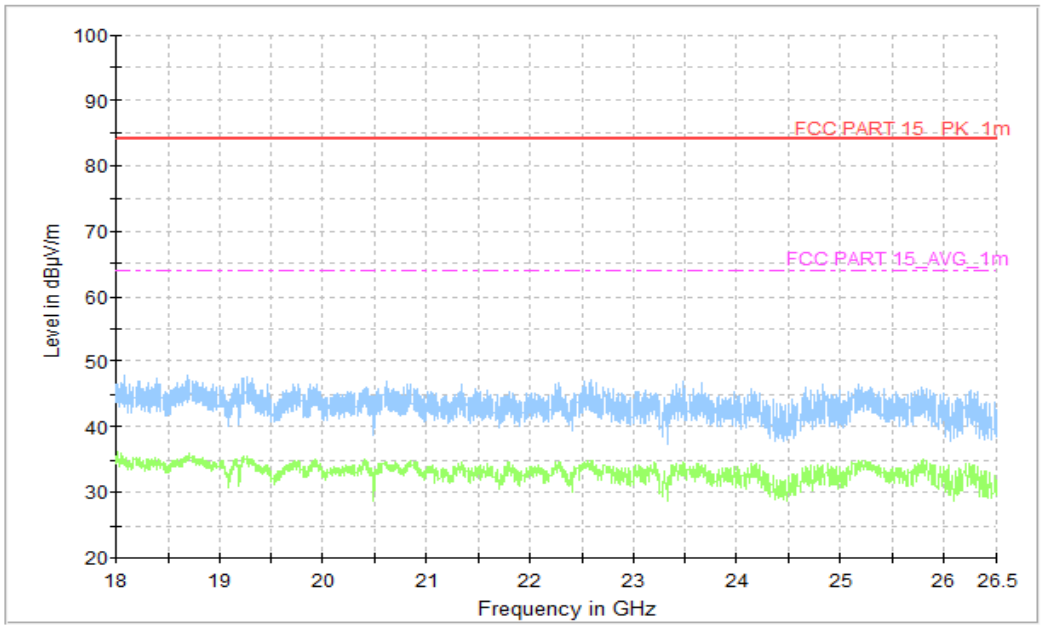


Figure A.1.43. Radiated Emission (Data Transfer: PC TO TF, 18GHz to 26.5GHz)

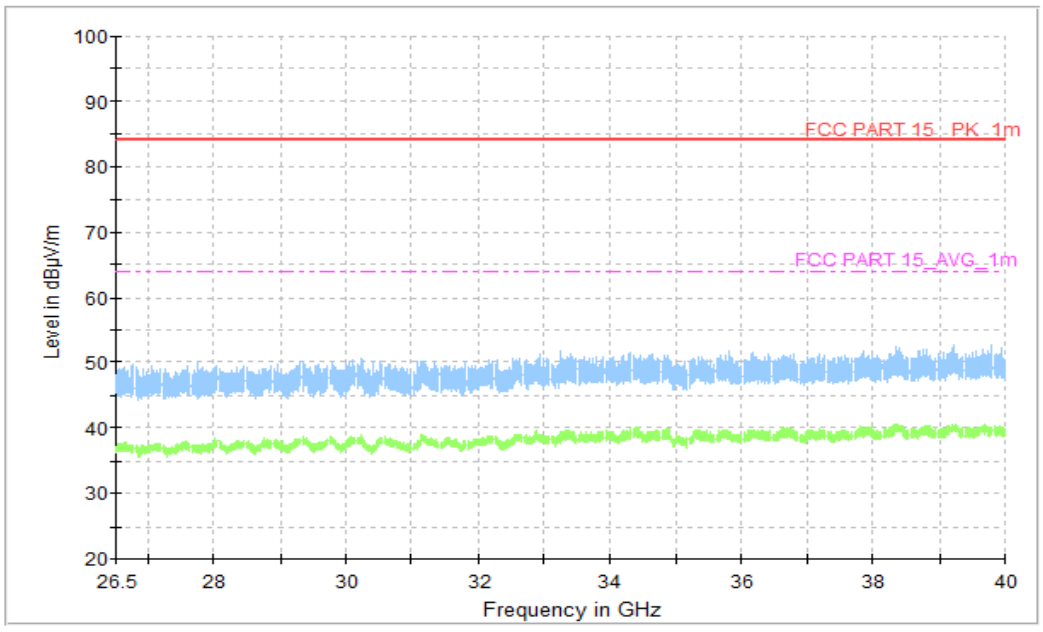


Figure A.1.44. Radiated Emission (Data Transfer: PC TO TF, 26.5GHz to 40GHz)

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.

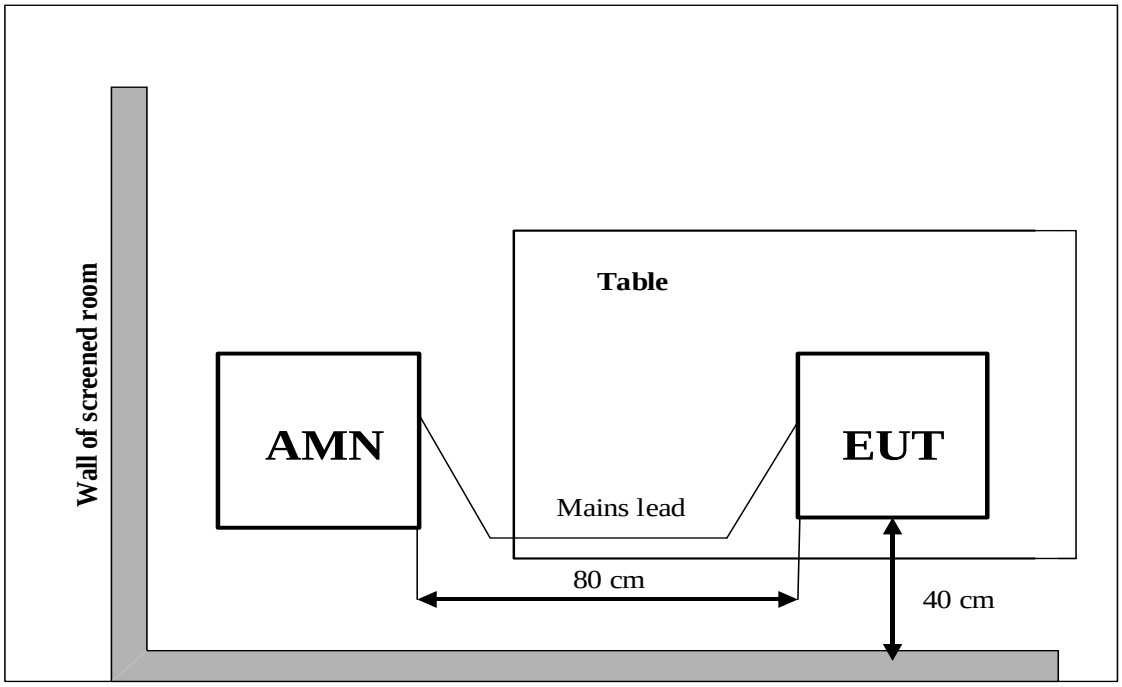
Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

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 USB flash disk 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) UT02aa/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.				

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT02aa/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.				

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT02aa/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.				

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT02aa/Set.1	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.				

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT02aa/Set.2	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.				

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT02aa/Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.6.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

AC Input Port/ Voltage: 120V/60Hz

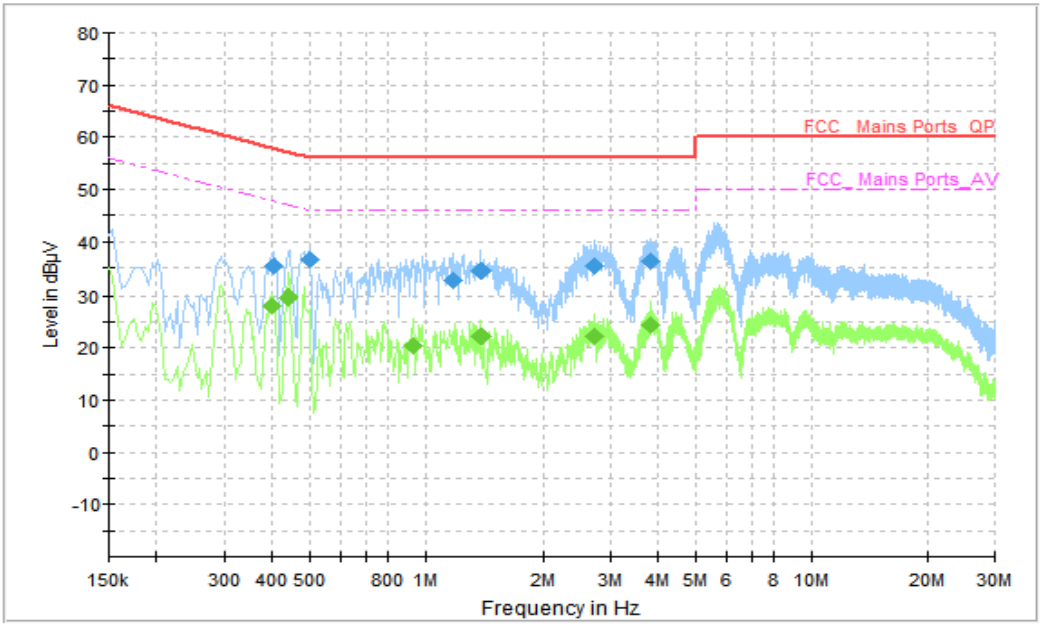


Figure A.2.1. Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.402000	35.36	57.81	22.45	L1	10	29.74
0.498000	36.46	56.03	19.58	L1	10	19.99
1.186000	32.52	56.00	23.48	L1	10	27.34
1.386000	34.32	56.00	21.68	L1	10	23.20
2.714000	35.32	56.00	20.68	L1	10	23
3.806000	36.36	56.00	19.64	L1	10	20.83

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.398000	28.05	47.90	19.84	N	10	19.63
0.438000	29.53	47.10	17.56	N	10	12.21
0.930000	20.28	46.00	25.72	N	10	17.65
1.386000	22.23	46.00	23.77	L1	10	10.40
2.714000	22.29	46.00	23.71	L1	10	11.89
3.818000	24.47	46.00	21.53	L1	10	11.58

AC Input Port/ Voltage: 240V/60Hz

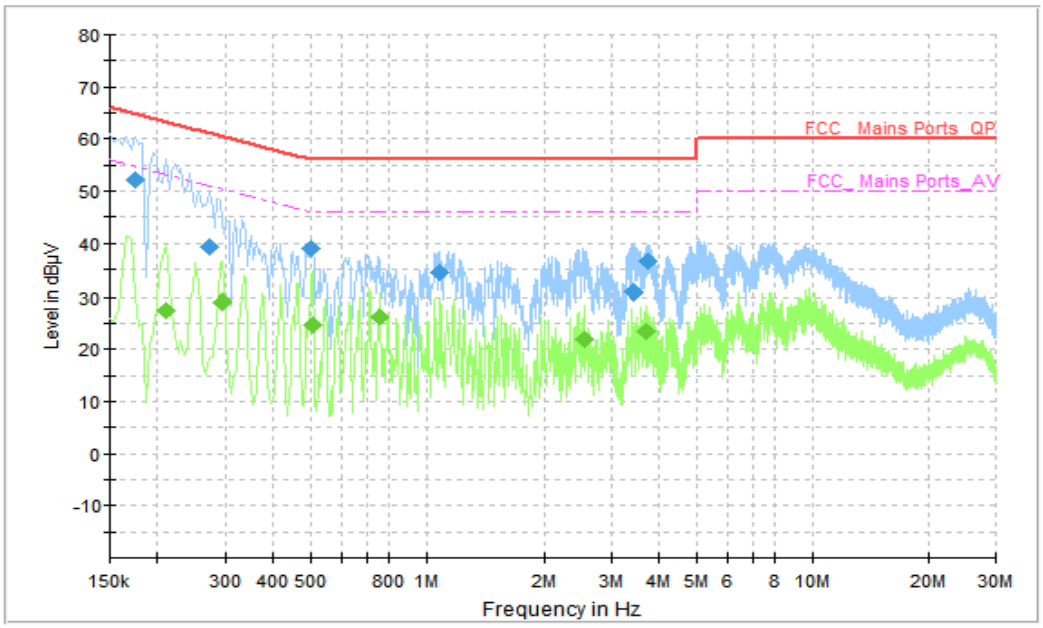


Figure A.2.2. Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.174000	52.27	64.77	12.49	L1	10	39.39
0.274000	39.34	61.00	21.65	N	10	29.49
0.502000	39.09	56.00	16.91	L1	10	28.44
1.086000	34.58	56.00	21.42	N	10	27.06
3.402000	30.89	56.00	25.11	N	10	25.19
3.730000	36.55	56.00	19.45	N	10	22.59

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.210000	27.25	53.21	25.96	L1	10	20.06
0.294000	28.88	50.41	21.53	N	10	18.41
0.506000	24.75	46.00	21.25	L1	10	23.57
0.754000	26.11	46.00	19.89	L1	10	18.16
2.558000	21.78	46.00	24.22	N	10	15.7
3.686000	23.57	46.00	22.43	N	10	13.38

AC Input Port/ Voltage: 120V/60Hz

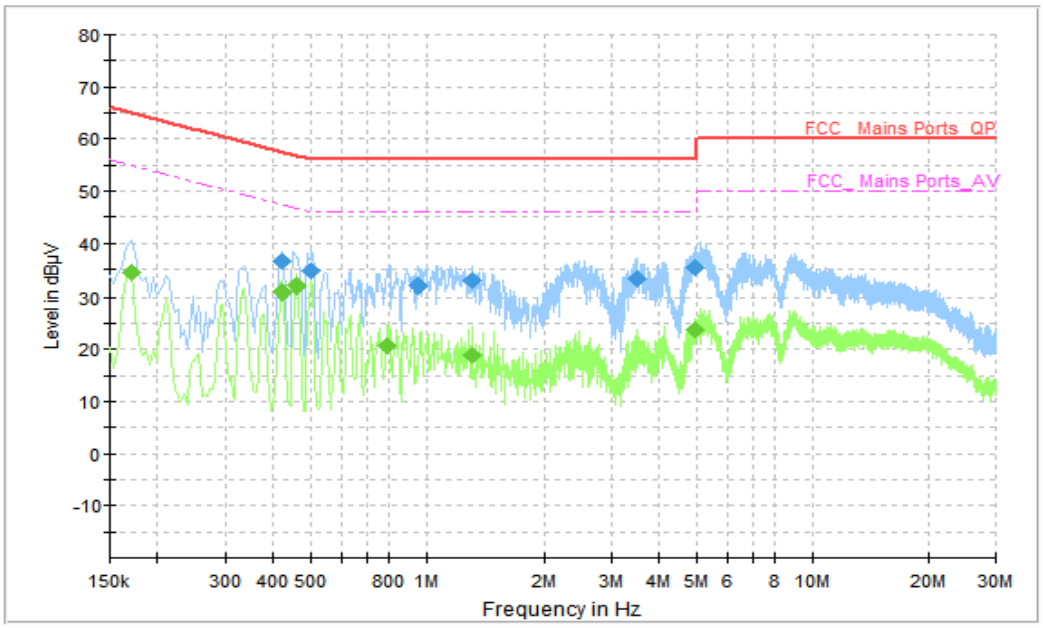


Figure A.2.3. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.422000	36.72	57.41	20.69	L1	9	40.65
0.502000	34.80	56.00	21.20	N	10	24.98
0.950000	32.00	56.00	24.00	L1	10	27.23
1.310000	32.95	56.00	23.05	L1	10	22.26
3.478000	33.25	56.00	22.75	L1	10	23.05
4.922000	35.46	56.00	20.54	L1	10	20.99

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.170000	34.39	54.96	20.57	L1	10	22.49
0.422000	30.66	47.41	16.75	N	10	17.18
0.458000	32.08	46.73	14.65	L1	10	17.04
0.786000	20.79	46.00	25.21	N	10	14.86
1.318000	18.80	46.00	27.20	L1	10	14.38
4.958000	23.85	46.00	22.15	L1	10	14.02

AC Input Port/ Voltage: 240V/60Hz

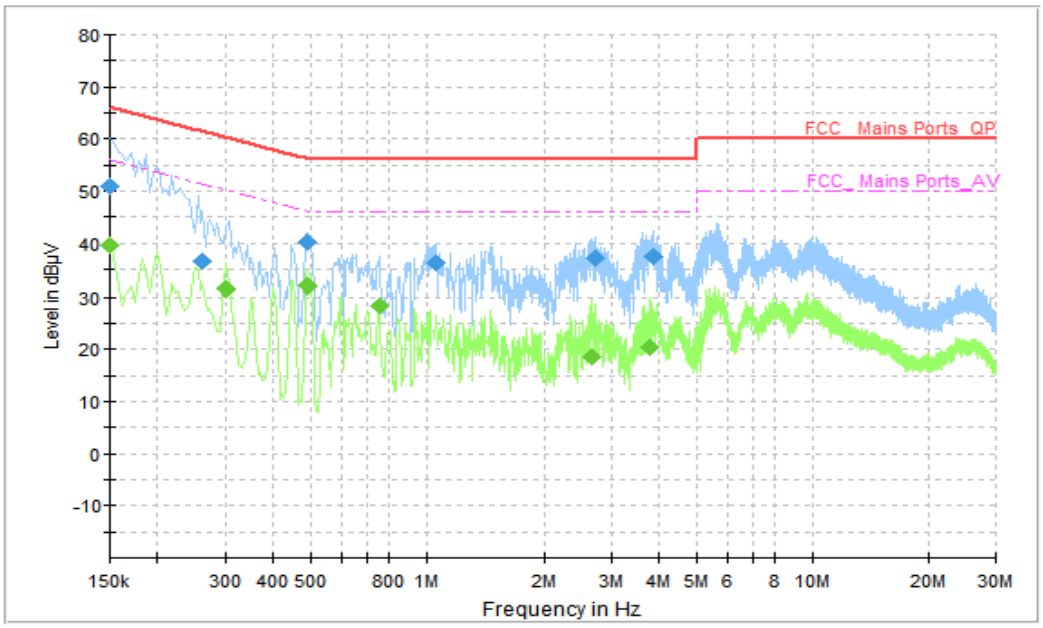


Figure A.2.4. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.150000	51.07	66.00	14.93	L1	10	40.79
0.262000	36.66	61.37	24.70	N	10	24.68
0.490000	40.30	56.17	15.86	L1	10	31.19
1.054000	36.20	56.00	19.80	N	10	24.64
2.722000	37.13	56.00	18.87	N	10	23.61
3.858000	37.61	56.00	18.39	N	10	21.39

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.150000	39.67	56.00	16.33	L1	10	20.30
0.302000	31.32	50.19	18.87	N	10	17.42
0.490000	31.91	46.17	14.26	L1	10	20.93
0.754000	28.33	46.00	17.67	L1	10	13.87
2.654000	18.55	46.00	27.45	N	10	15.12
3.774000	20.50	46.00	25.50	N	10	15.38

AC Input Port/ Voltage: 120V/60Hz

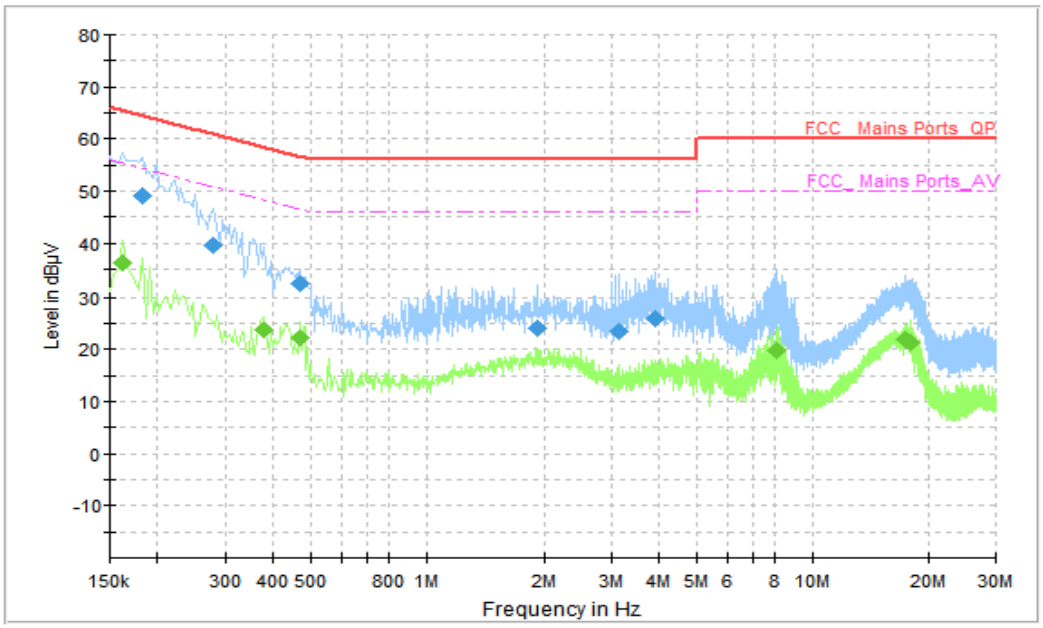


Figure A.2.5. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.182000	49.24	64.39	15.15	L1	10	44.46
0.278000	39.50	60.88	21.38	N	10	33.48
0.470000	32.31	56.51	24.21	L1	10	17.87
1.918000	24.12	56.00	31.88	L1	10	18.26
3.146000	23.56	56.00	32.44	N	10	18.06
3.902000	25.77	56.00	30.23	N	10	15.99

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.162000	36.34	55.36	19.02	L1	10	23.39
0.378000	23.81	48.32	24.52	L1	10	15.36
0.470000	22.19	46.51	24.33	L1	10	7.94
8.106000	19.66	50.00	30.34	L1	10	10.39
17.406000	21.89	50.00	28.11	N	10	6.39
17.926000	21.36	50.00	28.64	N	10	17.62

AC Input Port/ Voltage: 240V/60Hz

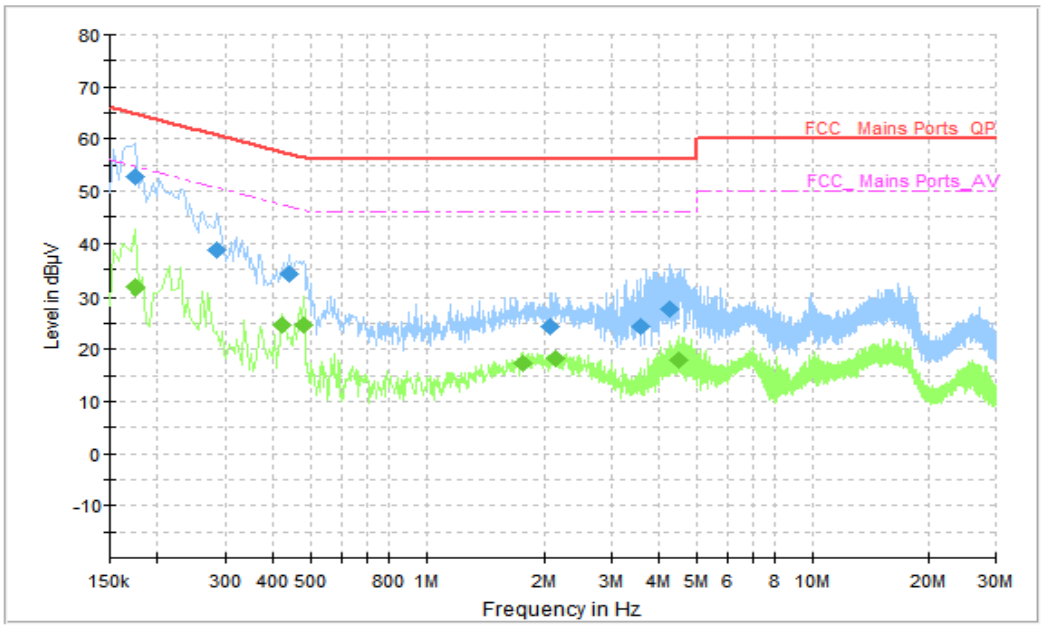


Figure A.2.6. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.174000	52.70	64.77	12.07	N	8	47.88
0.286000	38.71	60.64	21.93	L1	10	32.55
0.438000	34.28	57.10	22.82	L1	10	27.86
2.078000	24.43	56.00	31.57	L1	10	16.33
3.574000	24.48	56.00	31.52	L1	10	16.24
4.258000	27.82	56.00	28.18	N	10	18.40

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.174000	31.73	54.77	23.04	N	8	28.57
0.422000	24.51	47.41	22.90	L1	10	22.1
0.478000	24.59	46.37	21.79	L1	10	10.90
1.762000	17.36	46.00	28.64	L1	10	8.57
2.146000	18.15	46.00	27.85	L1	10	7.12
4.494000	18.02	46.00	27.98	N	10	8.01

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