



TEST REPORT

No.24T04N003078-011-EMC

for

Realme Chongqing Mobile Telecommunications Corp., Ltd.

Mobile Phone

Model Name: RMX5085

With

Hardware Version: 11

Software Version: realme UI 6.0

FCC ID: 2AUYFRMX5085

Issued Date: 2025-03-26

Designation Number: CN1210

Note:

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

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No. 24T04N003078-011-EMC

REPORT HISTORY

Report Number	Revision	Description	Issue Date
24T04N003078-011-EMC	Rev.0	1st edition	2025-03-25
24T04N003078-011-EMC	Add NR band 26	2nd edition	2025-03-26

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	Mobile Phone
Model Name	RMX5085
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: 2025-02-13

Testing End Date: 2025-03-16

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.
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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	RMX5085
FCC ID	2AUYFRMX5085
Condition of EUT as received	No obvious damage in appearance

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of Shenzhen Academy of Information and Communications Technology.

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version	Receive Date
UT09aa	862666070019794	11	realme UI 6.0	2025-01-23
	862666070019786			
UT18aa	862666070019851	11	realme UI 6.0	2025-01-23
	862666070019844			

*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	BLPC47
Manufacturer	Dongguan NVT Technology Co., Ltd
Capacity	3425mAh
Nominal Voltage	7.66V

AE2

Model	VCBBOAUH
Manufacturer	Dongguan Aohai Technology Co.,Ltd.
Specification	American Standard Charger

AE3

Model	DL153
Manufacturer	/

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

AE: ancillary equipment



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3.4. EUT Set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT+AE1+AE2+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 1/2/4/5/6/8/19, LTE Bands 1/2/3/4/5/7/8/12/13/17/18/19/20/26/28/38/39/40/41/66/71, NR Bands: n1/2/3/5/7/8/20/26/28/38/40/41/66/71/77/78.

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)
	18GHz-40GHz	2.36dB(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	2026.01.09	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2026.01.09	1 year
4.	BiLog antenna	3142E	00224831	ETS-Lindgren	2027.10.23	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	2025.03.18	1 year
9.	Universal Radio Communication Tester	CMW500	152499	R&S	2025.07.11	1 year
10.	Universal Radio Communication Tester	MT8821C	6262025268	Anritsu	2025.11.27	1 year
11.	Universal Radio Communication Tester	MT8000A	6261987936	Anritsu	2025.11.27	1 year
12.	Horn Antenna	QSH-SL-18-2 6-S-20	17013	Q-par	2026.02.01	3 years
13.	Horn Antenna	QSH-SL-8-26- 40-K-20	17014	Q-par	2026.01.30	3 years



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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 12, LTE Band 13, LTE Band 17, LTE Band 26, NR Band n5, NR Band n26.

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

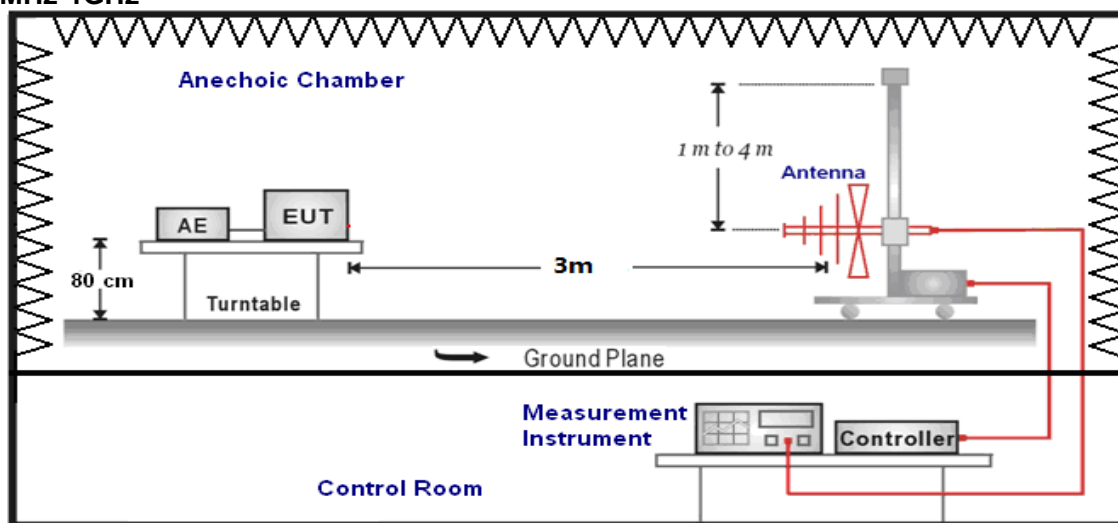
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

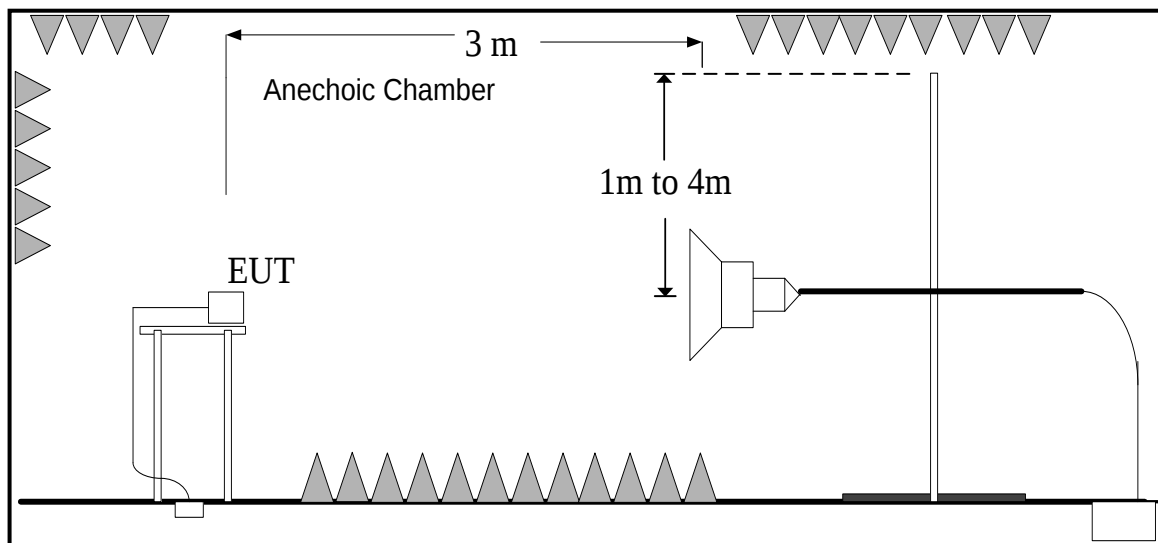
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

A.1.5 Test set-up:

30MHz-1GHz



1GHz-40GHz



A.1.6 Measurement Results

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss". It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

Result: Quasi-Peak(dB μ V/m) / Average(dB μ V/m)/Peak(dB μ V/m)

Note: the result contains vertical part and Horizontal part

Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/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 (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/Set.1	
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 (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.1	
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
			UT09aa/Set.1	
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 (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.1	
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
			UT09aa/Set.1	
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 (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/Set.1	
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 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/Set.1	
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 13

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/Set.1	
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.	

LTE receiver Band 17

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/Set.1	
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.	

LTE receiver Band 26

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/Set.1	
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.	

NR receiver Band n5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/Set.1	
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.	

NR receiver Band n26

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.1	
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
			UT09aa/Set.1	
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.	

Data Transfer: EUT TO PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.2	
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
			UT09aa/Set.2	
1000 to 18000	54.00	74.00	See Figure A.1.46.	P
18000 to 26500	63.54	83.54	See Figure A.1.47.	
26500 to 40000	63.54	83.54	See Figure A.1.48.	

Data Transfer: PC TO EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.2	
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
			UT09aa/Set.2	
1000 to 18000	54.00	74.00	See Figure A.1.50.	P
18000 to 26500	63.54	83.54	See Figure A.1.51.	
26500 to 40000	63.54	83.54	See Figure A.1.52.	

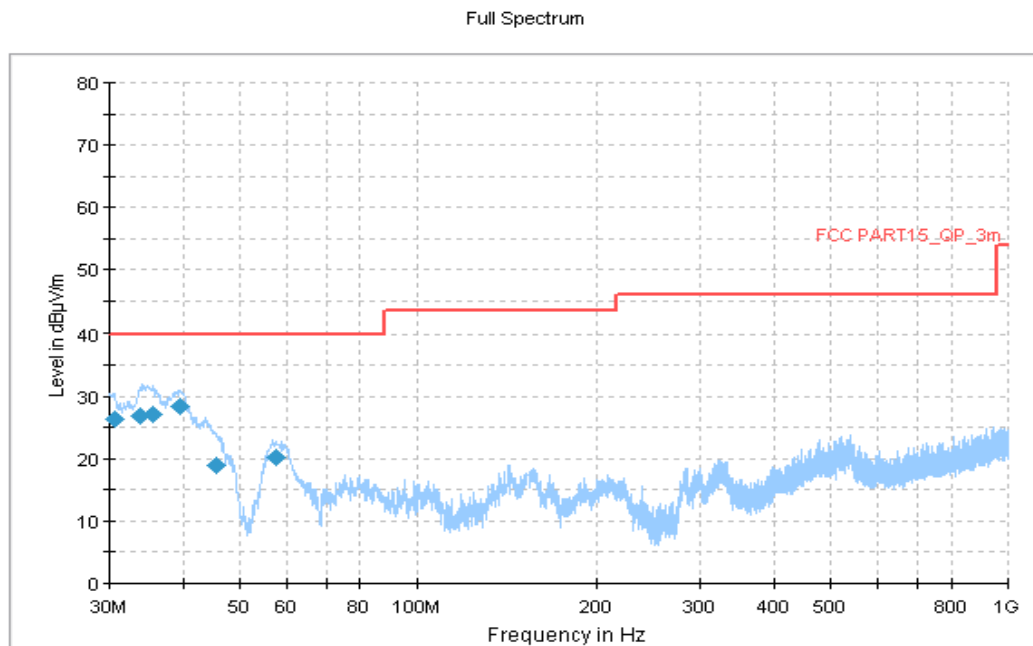


Figure A.1.1. Radiated Emission (Camera, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.538889	26.44	40.00	13.56	V	-17.7	44.14
33.880000	26.83	40.00	13.17	V	-19.5	46.33
35.550556	27.17	40.00	12.83	V	-20.4	47.57
39.484444	28.30	40.00	11.70	V	-22.7	51.00
45.681667	18.94	40.00	21.06	V	-26.8	45.74
57.591111	20.13	40.00	19.87	V	-30.7	50.83

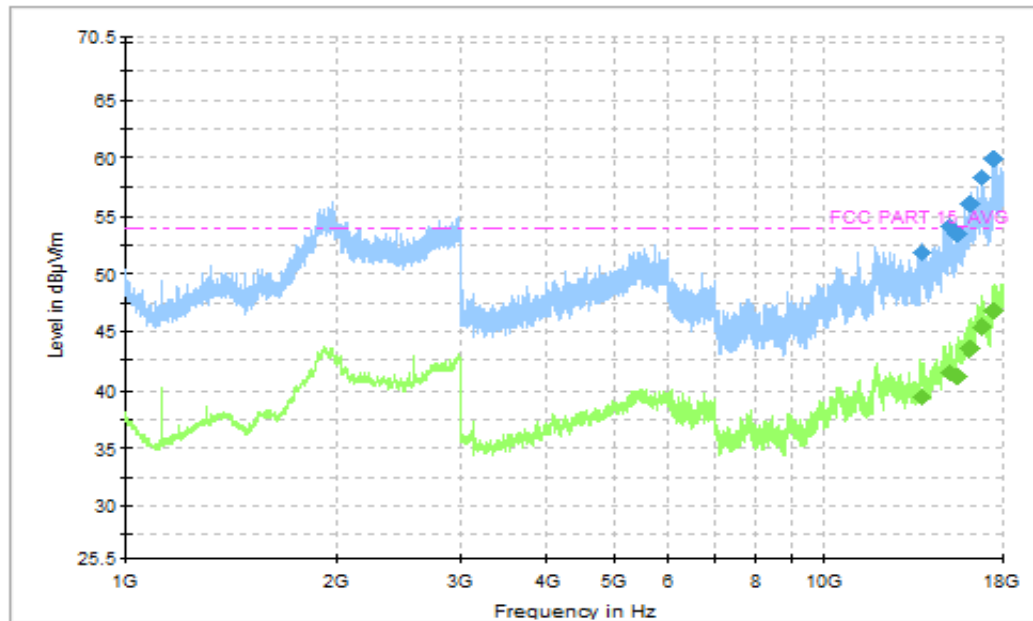


Figure A.1.2. Radiated Emission (Camera, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
13817.000000	51.72	74.00	22.28	V	13.0	38.72
15164.000000	54.12	74.00	19.88	V	14.9	39.22
15512.500000	53.38	74.00	20.62	H	14.9	38.48
16130.000000	56.03	74.00	17.97	V	16.9	39.13
16890.000000	58.25	74.00	15.75	V	19.1	39.15
17512.500000	59.93	74.00	14.07	H	21.7	38.23

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
13817.000000	39.34	54.00	14.66	V	13.0	26.34
15164.000000	41.53	54.00	12.47	V	14.9	26.63
15512.500000	41.17	54.00	12.83	H	14.9	26.27
16130.000000	43.55	54.00	10.45	V	16.9	26.65
16890.000000	45.41	54.00	8.59	V	19.1	26.31
17512.500000	46.89	54.00	7.11	H	21.7	25.19

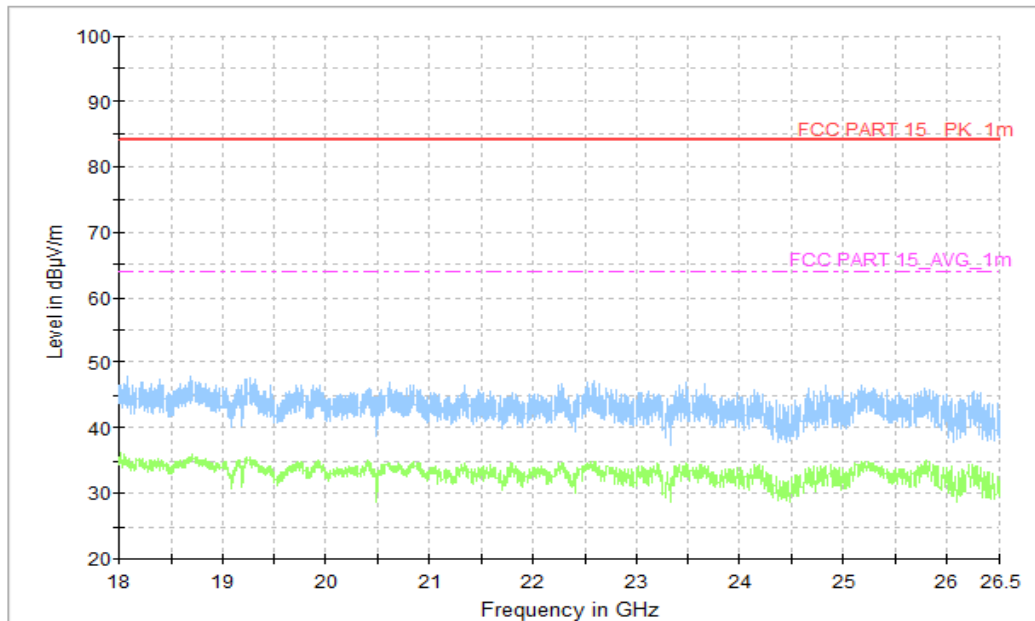


Figure A.1.3. Radiated Emission (Camera, 18GHz to 26.5GHz)

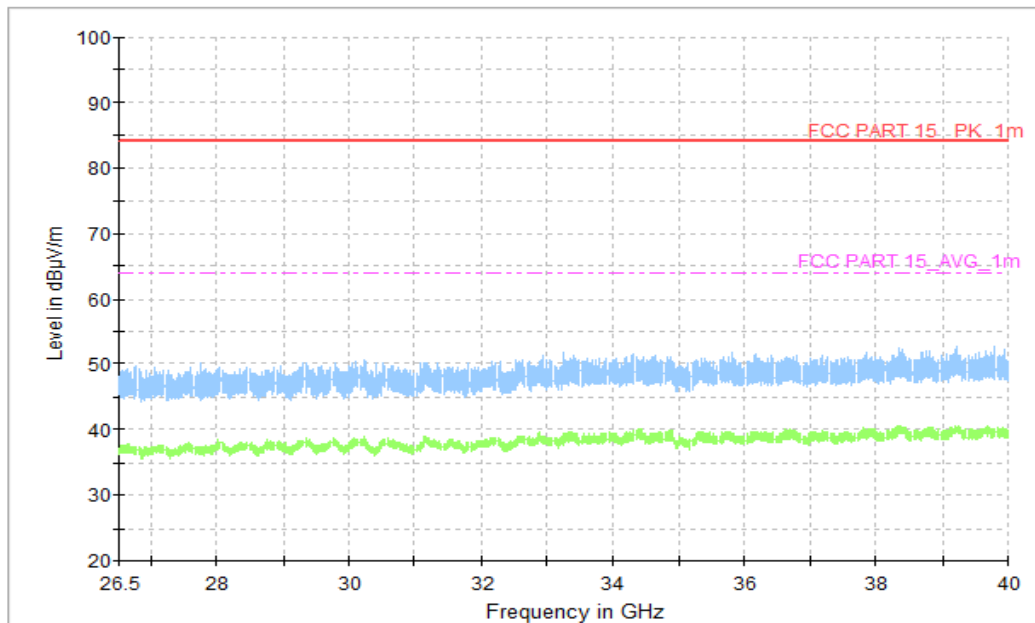


Figure A.1.4. Radiated Emission (Camera, 26.5GHz to 40GHz)

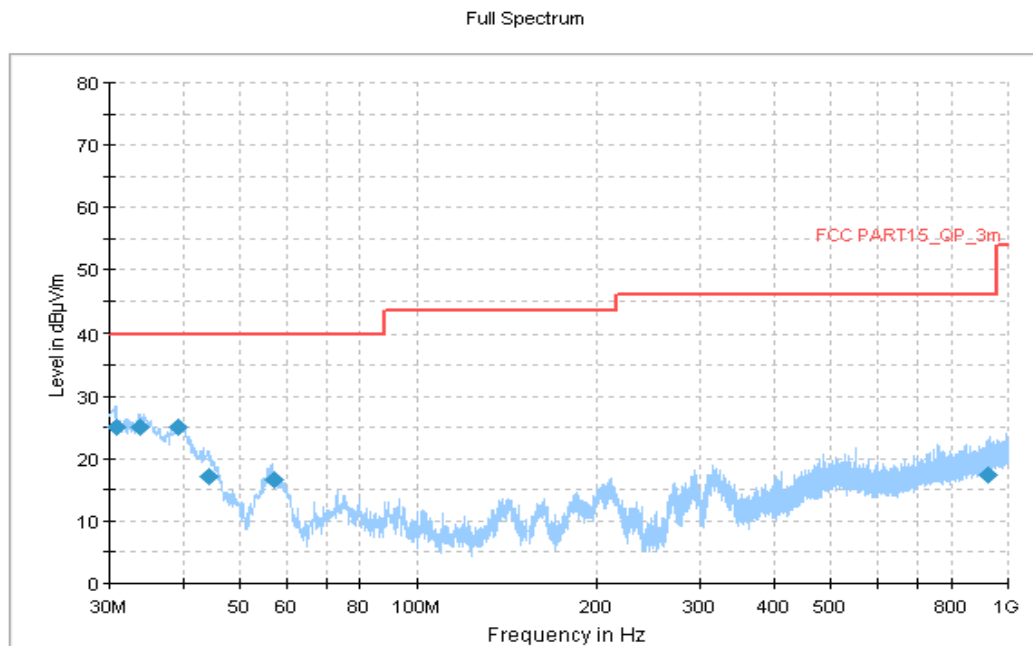


Figure A.1.5. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.754444	25.17	40.00	14.83	V	-17.8	42.97
33.772222	25.03	40.00	14.97	V	-19.5	44.53
39.268889	24.96	40.00	15.04	V	-22.6	47.56
44.334444	17.25	40.00	22.75	V	-25.8	43.05
57.106111	16.69	40.00	23.31	V	-30.8	47.49
922.453889	17.46	46.02	28.56	V	-10.2	27.66

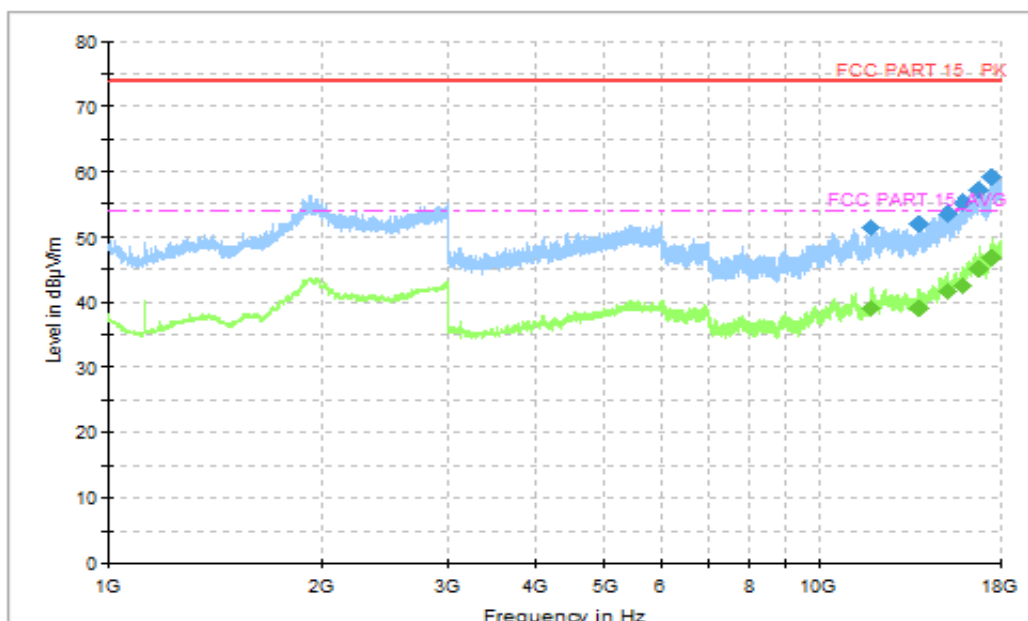


Figure A.1.6. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
11884.000000	51.35	74.00	22.65	V	12.7	38.65
13786.500000	52.08	74.00	21.92	V	13.2	38.88
15162.000000	53.50	74.00	20.50	V	14.9	38.60
15957.000000	55.33	74.00	18.67	H	16.2	39.13
16814.500000	57.13	74.00	16.87	H	19.2	37.93
17510.000000	59.15	74.00	14.85	V	21.7	37.45

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
11884.000000	39.10	54.00	14.90	V	12.7	26.40
13786.500000	39.24	54.00	14.76	V	13.2	26.04
15162.000000	41.69	54.00	12.31	V	14.9	26.79
15957.000000	42.59	54.00	11.41	H	16.2	26.39
16814.500000	45.02	54.00	8.98	H	19.2	25.82
17510.000000	46.61	54.00	7.39	V	21.7	24.91

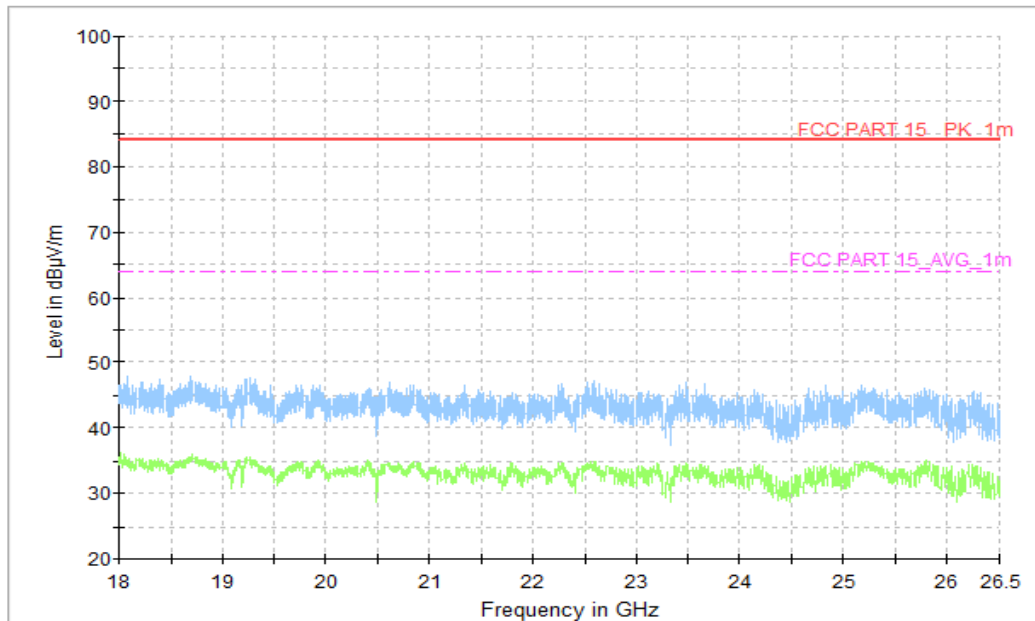


Figure A.1.7. Radiated Emission (Video Player, 18GHz to 26.5GHz)

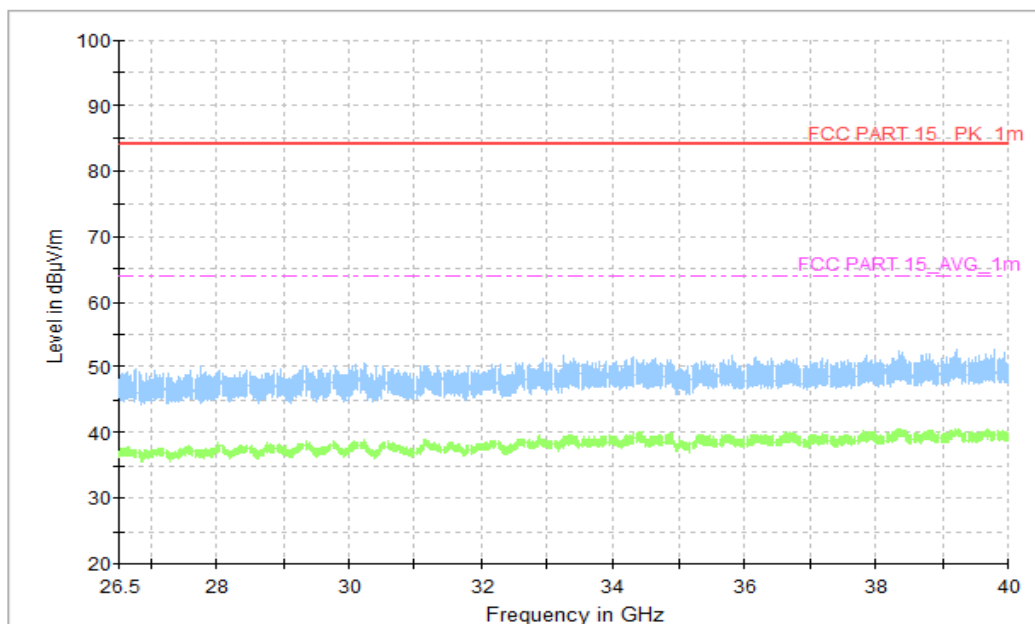


Figure A.1.8. Radiated Emission (Video Player, 26.5GHz to 40GHz)

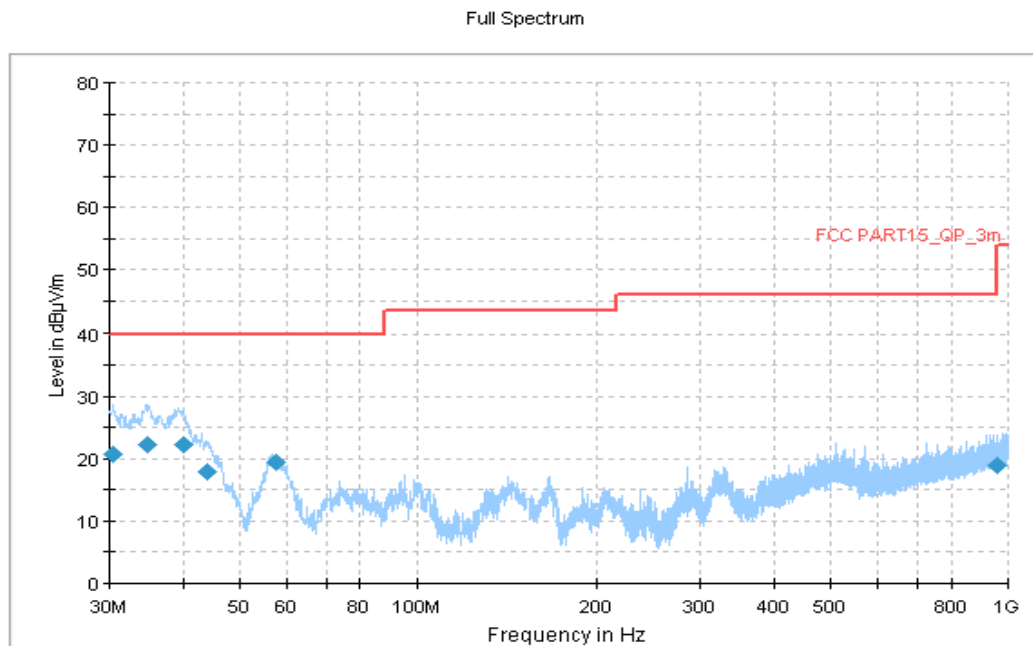


Figure A.1.9. Radiated Emission (GSM receiver 850MHz, 30MHz to 1GHz)
Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.431111	20.78	40.00	18.22	V	-17.6	38.38
34.850000	22.33	40.00	17.67	V	-20.0	42.33
40.077222	22.34	40.00	17.66	V	-23.1	45.44
44.011111	17.84	40.00	22.16	V	-25.5	43.34
57.375556	19.50	40.00	21.50	V	-30.8	50.3
955.918889	18.99	46.02	27.03	V	-9.6	28.59

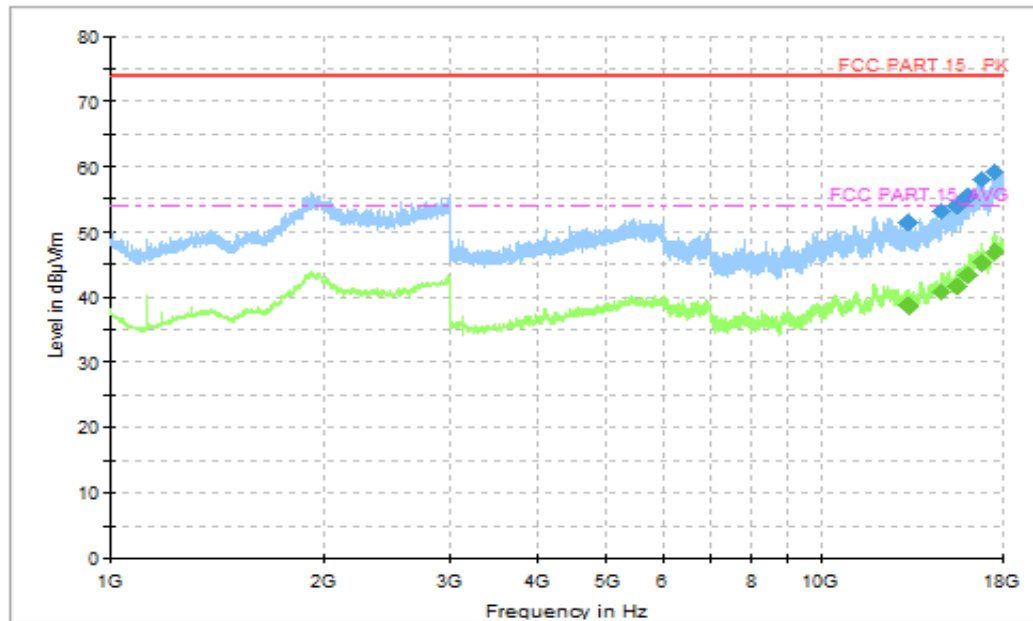


Figure A.1.10. Radiated Emission (GSM receiver 850MHz, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
13250.000000	51.33	74.00	22.67	V	12.9	51.30
14764.500000	53.13	74.00	20.87	V	15.4	50.00
15556.000000	54.07	74.00	19.93	V	15.1	48.20
16118.000000	55.62	74.00	18.38	H	16.9	46.90
16908.500000	57.87	74.00	16.13	V	19.1	46.40
17614.000000	59.22	74.00	14.78	V	21.4	43.70

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
13250.000000	38.76	54.00	15.24	V	12.9	38.30
14764.500000	40.98	54.00	13.02	V	15.4	37.60
15556.000000	41.67	54.00	12.33	V	15.1	34.90
16118.000000	43.40	54.00	10.60	H	16.9	33.10
16908.500000	45.32	54.00	8.68	V	19.1	32.60
17614.000000	46.94	54.00	7.06	V	21.4	30.90

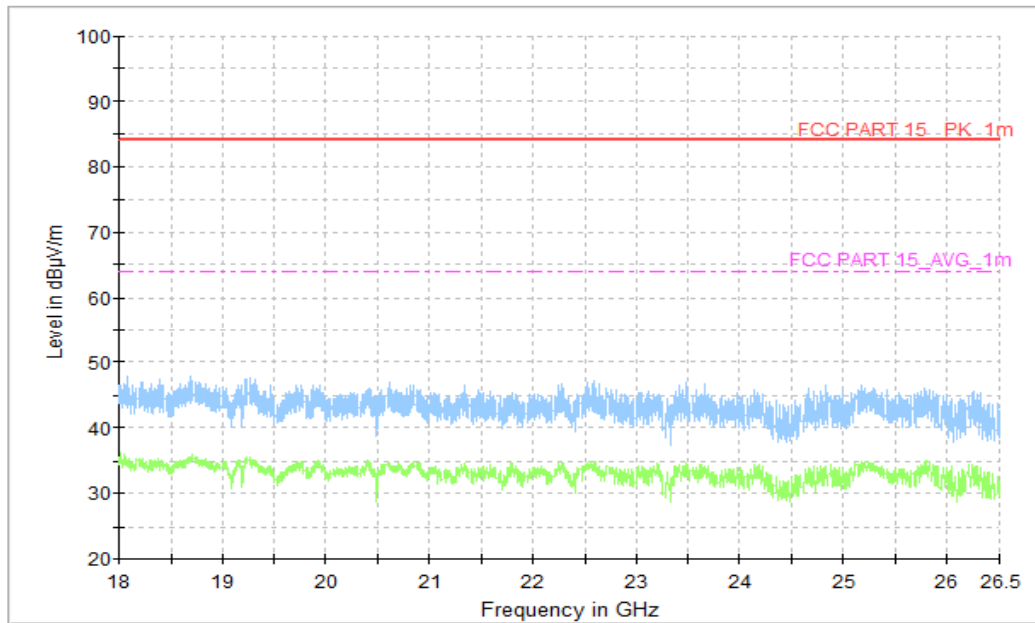


Figure A.1.11. Radiated Emission (GSM receiver 850MHz, 18GHz to 26.5GHz)

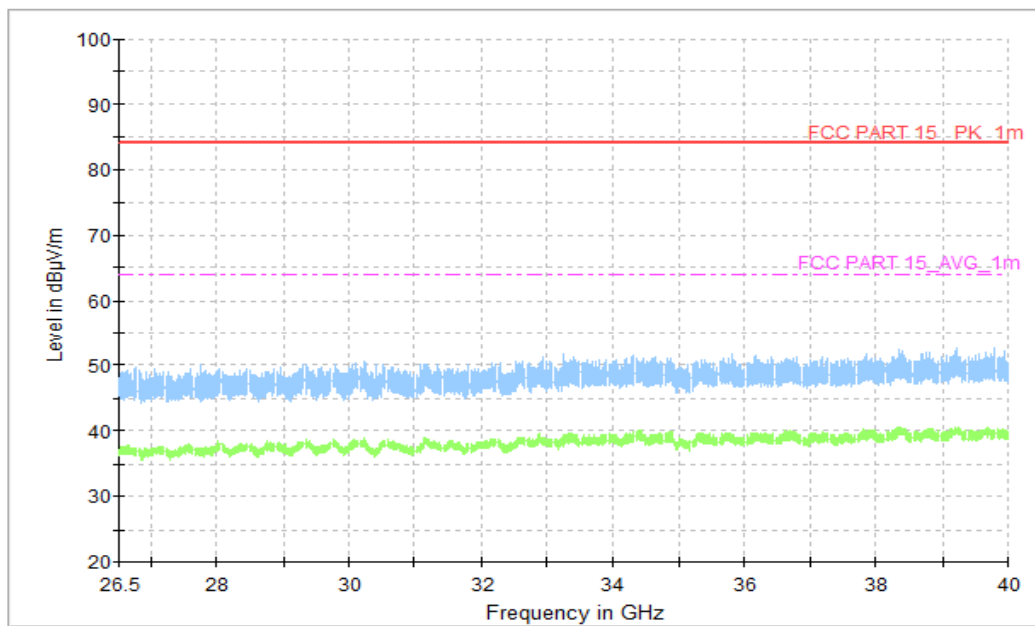


Figure A.1.12. Radiated Emission (GSM receiver 850MHz, 26.5GHz to 40GHz)

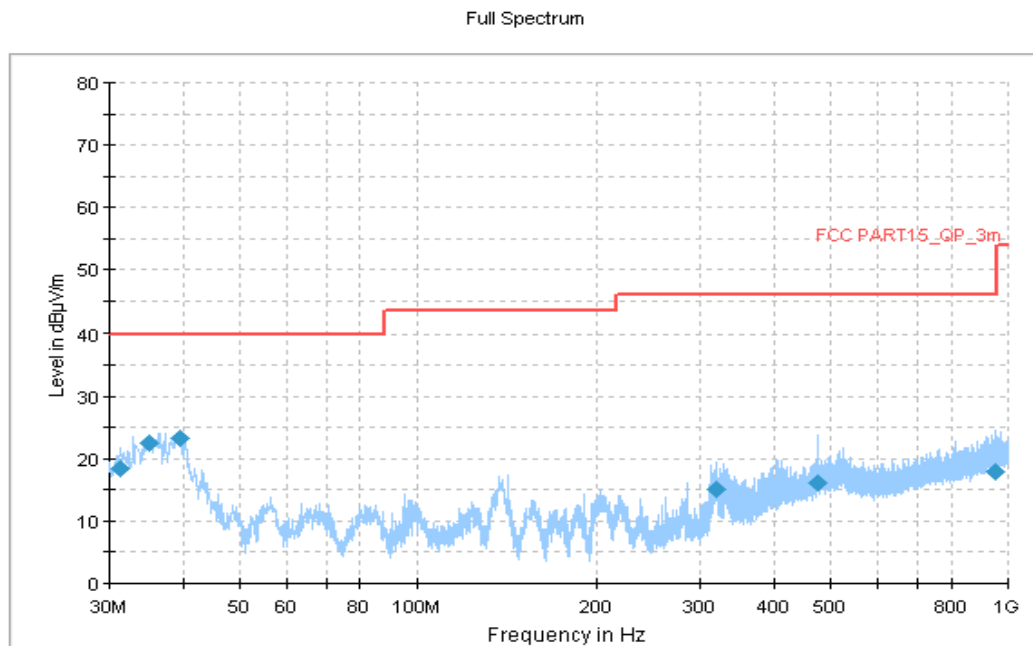


Figure A.1.13. Radiated Emission (WCDMA receiver Band5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
31.347222	18.36	40.00	21.64	V	-18.2	36.56
35.011667	22.53	40.00	17.47	V	-20.1	42.63
39.592222	23.17	40.00	16.83	V	-22.8	45.97
319.437222	15.16	46.02	30.86	V	-21.2	36.36
476.146111	16.16	46.02	29.86	V	-17.0	33.16
949.775556	18.02	46.02	28.00	H	-9.8	27.82

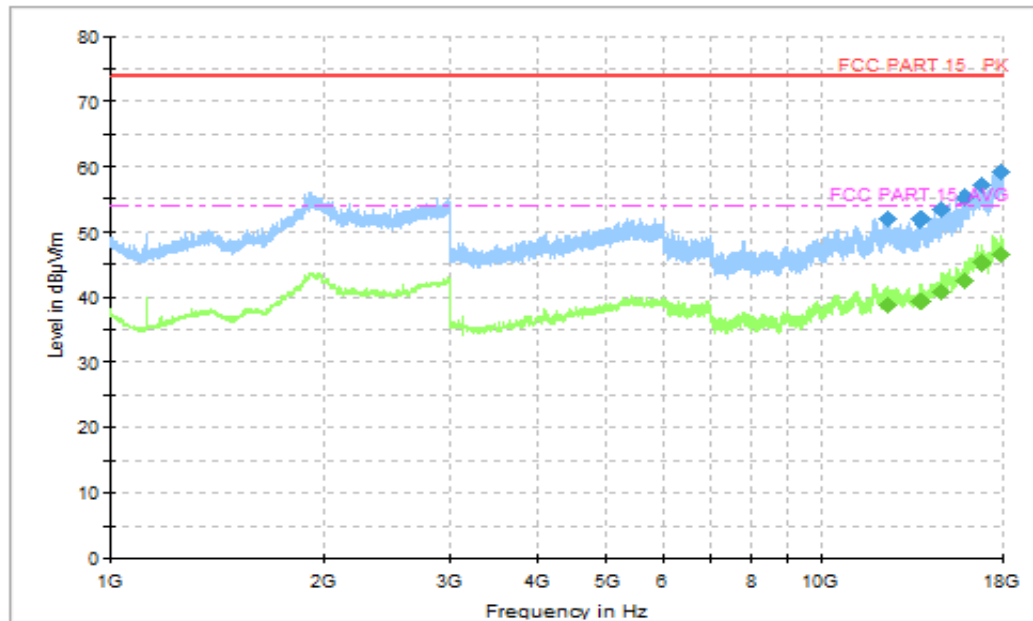


Figure A.1.14. Radiated Emission (WCDMA receiver Band5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
12434.000000	52.14	74.00	21.86	H	13.0	51.30
13782.500000	51.81	74.00	22.19	V	13.2	50.00
14769.000000	53.27	74.00	20.73	V	15.4	48.20
15895.500000	55.24	74.00	18.76	H	15.7	46.90
16846.000000	57.36	74.00	16.64	H	19.2	46.40
17898.500000	59.18	74.00	14.82	H	21.5	43.70

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
12434.000000	38.91	54.00	15.09	H	13.0	38.30
13782.500000	39.28	54.00	14.72	V	13.2	37.60
14769.000000	40.95	54.00	13.05	V	15.4	34.90
15895.500000	42.64	54.00	11.36	H	15.7	33.10
16846.000000	45.36	54.00	8.64	H	19.2	32.60
17898.500000	46.42	54.00	7.59	H	21.5	30.90

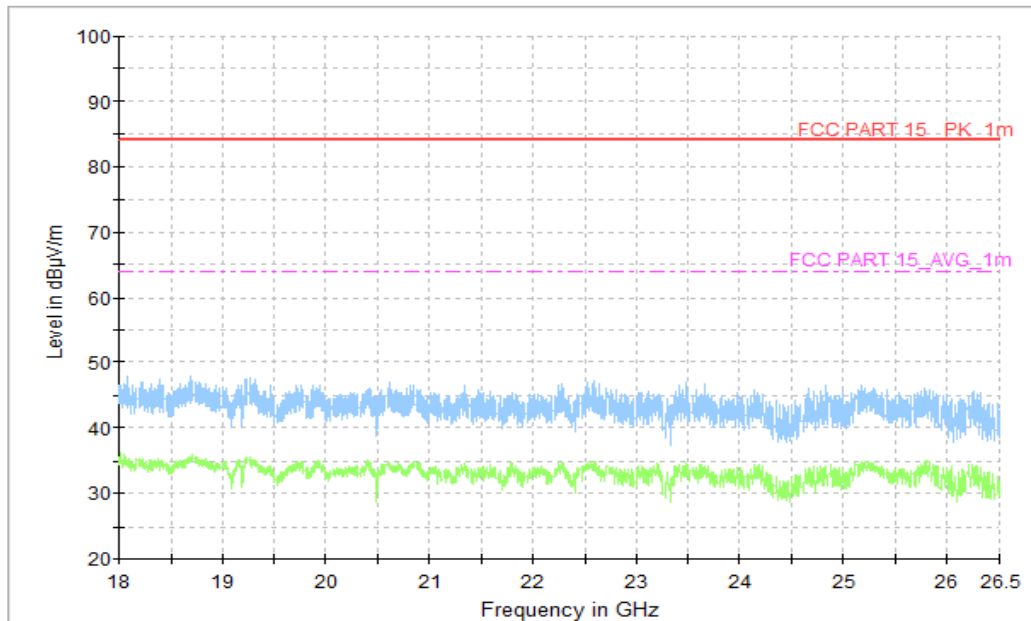


Figure A.1.15. Radiated Emission (WCDMA receiver Band5, 18GHz to 26.5GHz)

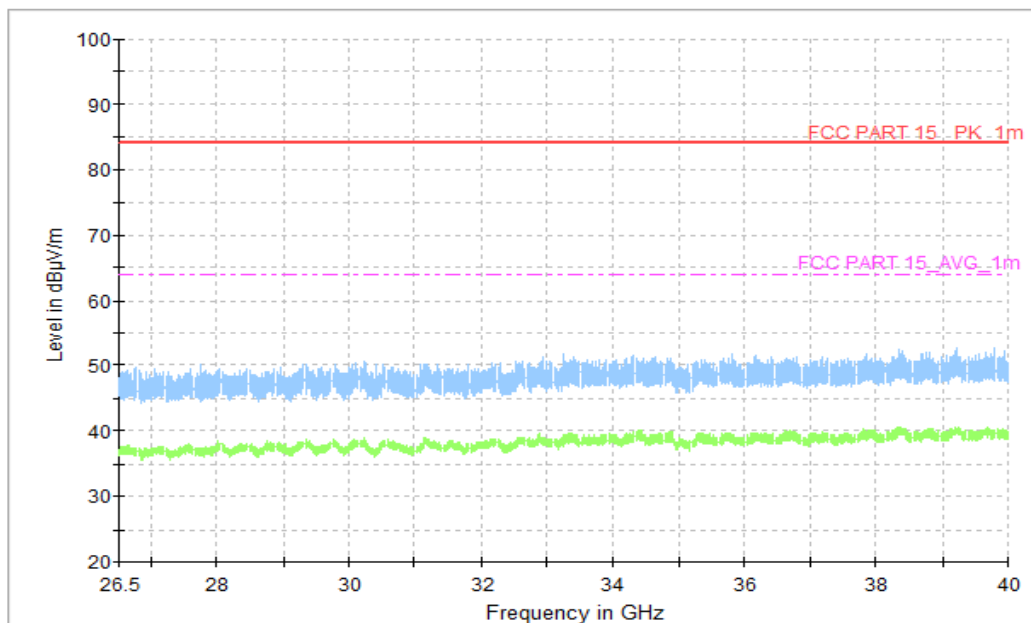


Figure A.1.16. Radiated Emission (WCDMA receiver Band5, 26.5GHz to 40GHz)

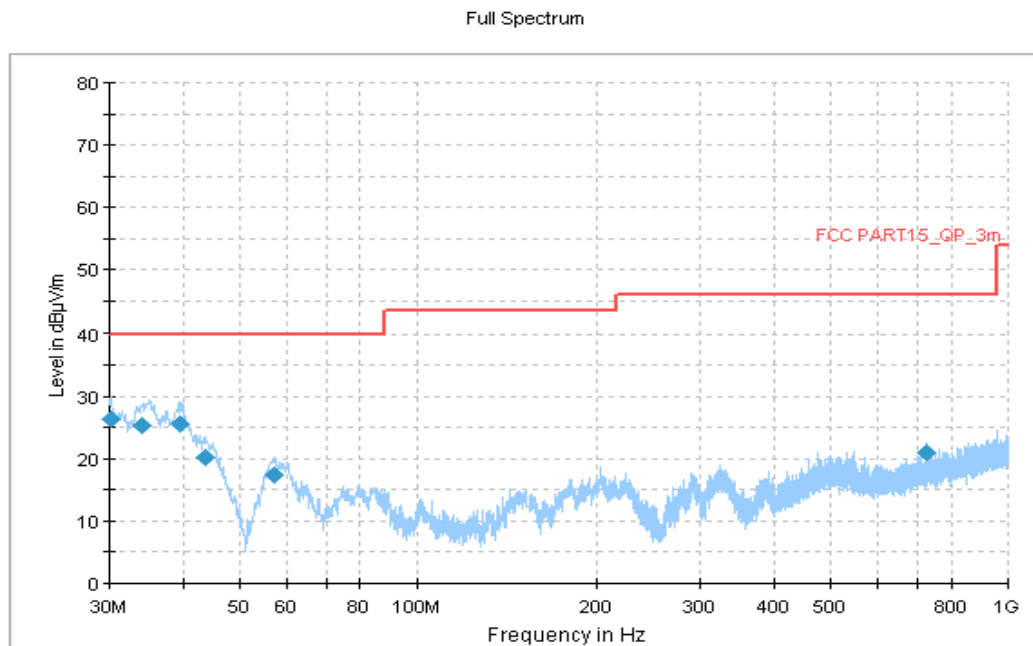


Figure A.1.17. Radiated Emission (LTE receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.107778	26.30	40.00	13.70	V	-17.4	43.70
34.095556	25.33	40.00	14.67	V	-19.6	44.93
39.430556	25.57	40.00	14.43	V	-22.7	48.27
43.795556	20.23	40.00	19.77	V	-25.4	45.63
57.052222	17.49	40.00	22.51	V	-30.8	48.29
728.885000	20.95	46.02	25.07	H	-12.7	33.65

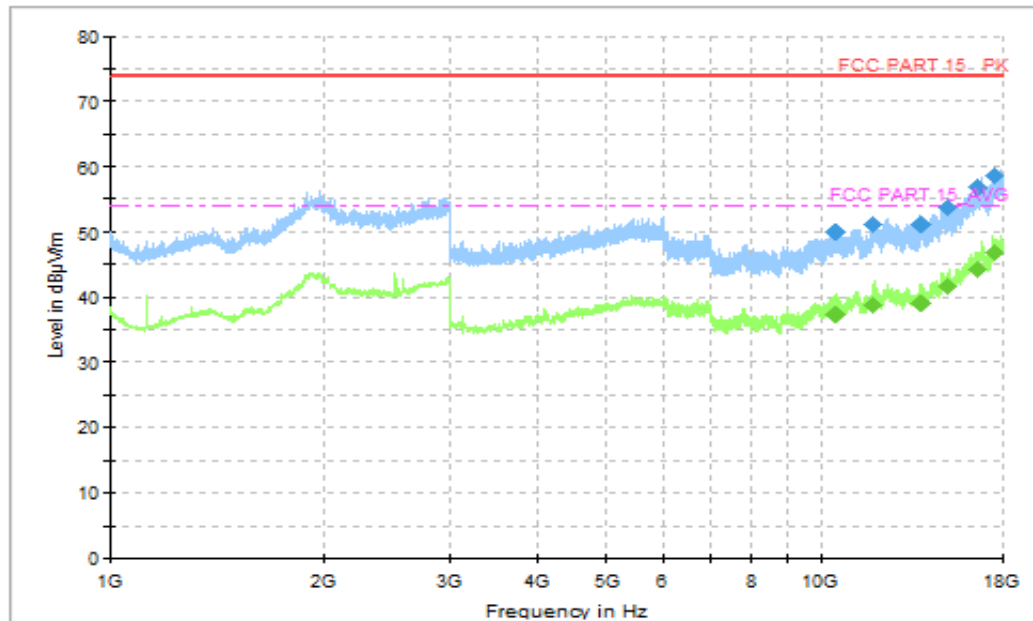


Figure A.1.18. Radiated Emission (LTE receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10499.500000	49.90	74.00	24.10	V	10.8	39.10
11871.000000	51.05	74.00	22.95	H	12.7	38.35
13810.500000	51.21	74.00	22.79	H	13.1	38.11
15130.000000	53.93	74.00	20.07	H	15.1	38.83
16571.500000	56.72	74.00	17.28	V	18.9	37.82
17607.000000	58.81	74.00	15.20	V	21.4	37.41

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10499.500000	37.43	54.00	16.57	V	10.8	26.63
11871.000000	38.98	54.00	15.02	H	12.7	26.28
13810.500000	39.22	54.00	14.78	H	13.1	26.12
15130.000000	41.61	54.00	12.39	H	15.1	26.51
16571.500000	44.34	54.00	9.66	V	18.9	25.44
17607.000000	46.76	54.00	7.24	V	21.4	25.36

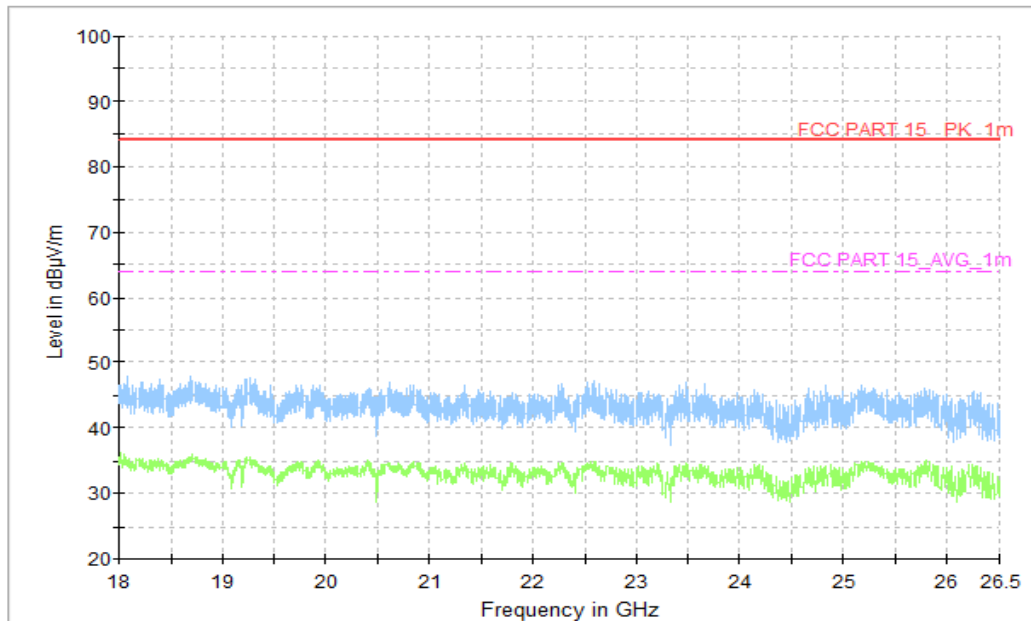


Figure A.1.19. Radiated Emission ((LTE receiver Band 5, 18GHz to 26.5GHz)

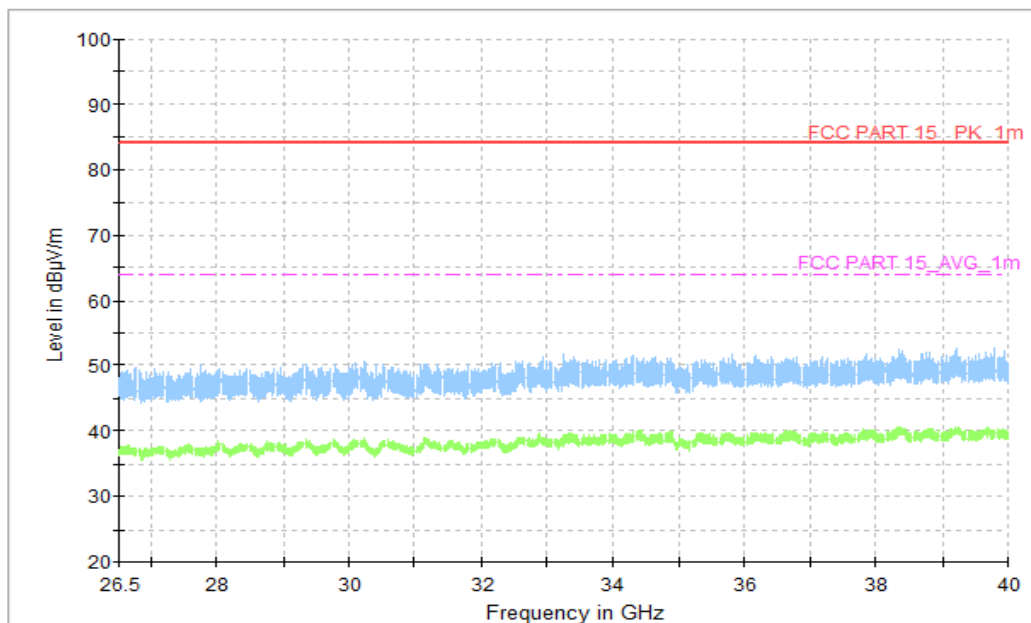


Figure A.1.20. Radiated Emission ((LTE receiver Band 5, 26.5GHz to 40GHz)

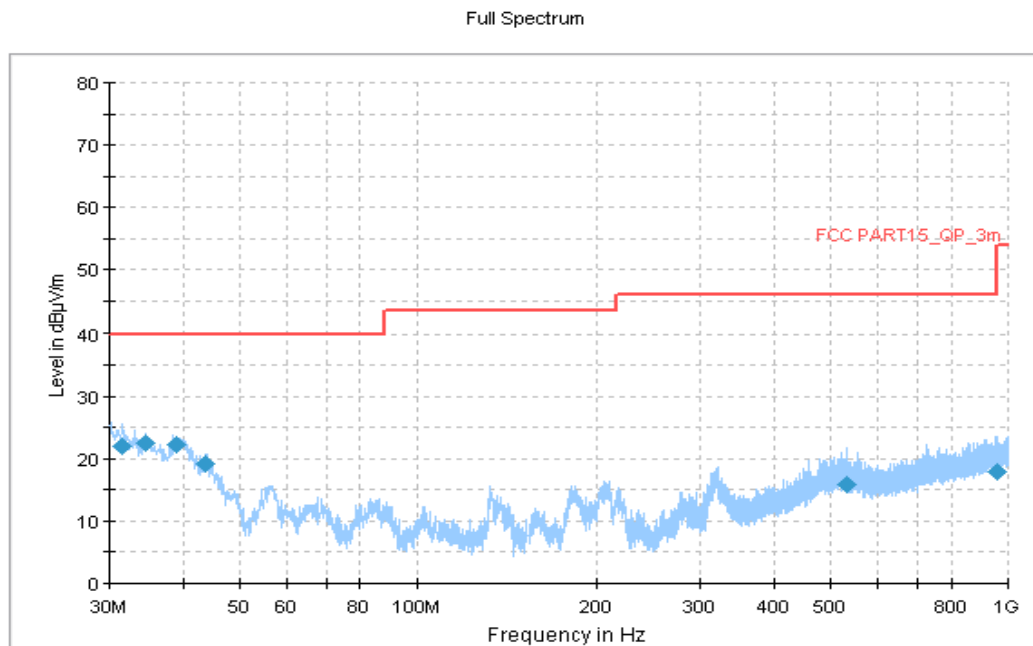


Figure A.1.21. Radiated Emission (LTE receiver Band 12, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
31.508889	22.05	40.00	17.95	V	-18.3	40.35
34.526667	22.60	40.00	17.40	V	-19.8	42.4
39.053333	22.28	40.00	17.72	V	-22.4	44.68
43.795556	19.16	40.00	20.84	V	-25.4	44.56
530.681667	15.73	46.02	30.29	H	-16.2	31.93
960.553333	17.86	53.98	36.12	V	-9.7	27.56

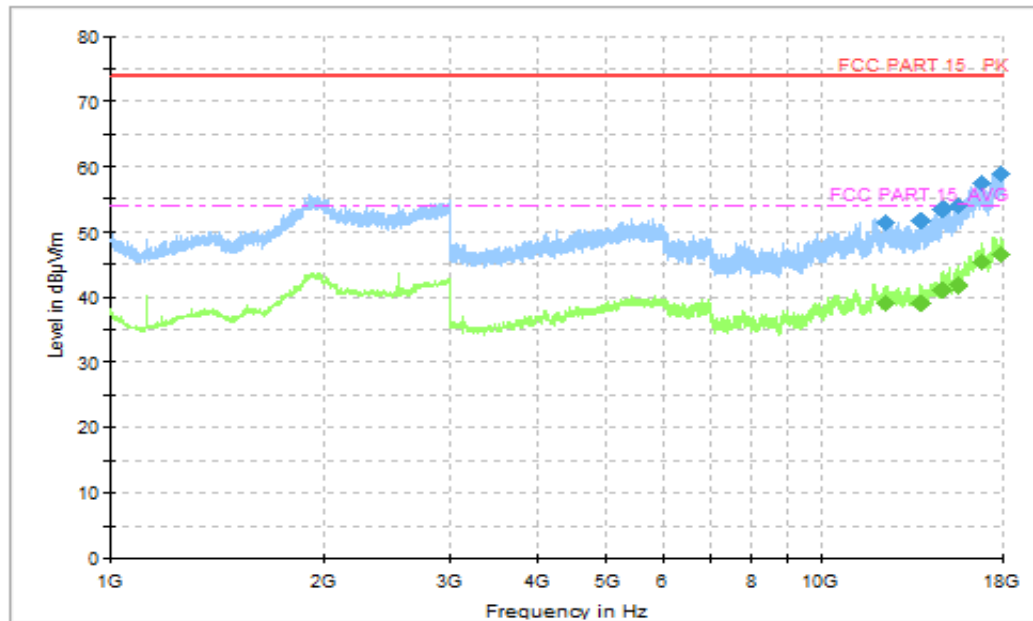


Figure A.1.22. Radiated Emission (LTE receiver Band 12, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
12382.500000	51.29	74.00	22.71	V	13.3	37.99
13832.000000	51.62	74.00	22.38	V	12.9	38.72
14807.000000	53.54	74.00	20.46	V	15.5	38.04
15647.500000	54.14	74.00	19.86	H	15.1	39.04
16892.500000	57.60	74.00	16.40	H	19.1	38.5
17915.500000	58.85	74.00	15.15	H	21.6	37.25

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
12382.500000	39.09	54.00	14.91	V	13.3	25.79
13832.000000	39.22	54.00	14.78	V	12.9	26.32
14807.000000	41.22	54.00	12.78	V	15.5	25.72
15647.500000	41.86	54.00	12.14	H	15.1	26.76
16892.500000	45.46	54.00	8.54	H	19.1	26.36
17915.500000	46.54	54.00	7.46	H	21.6	24.94

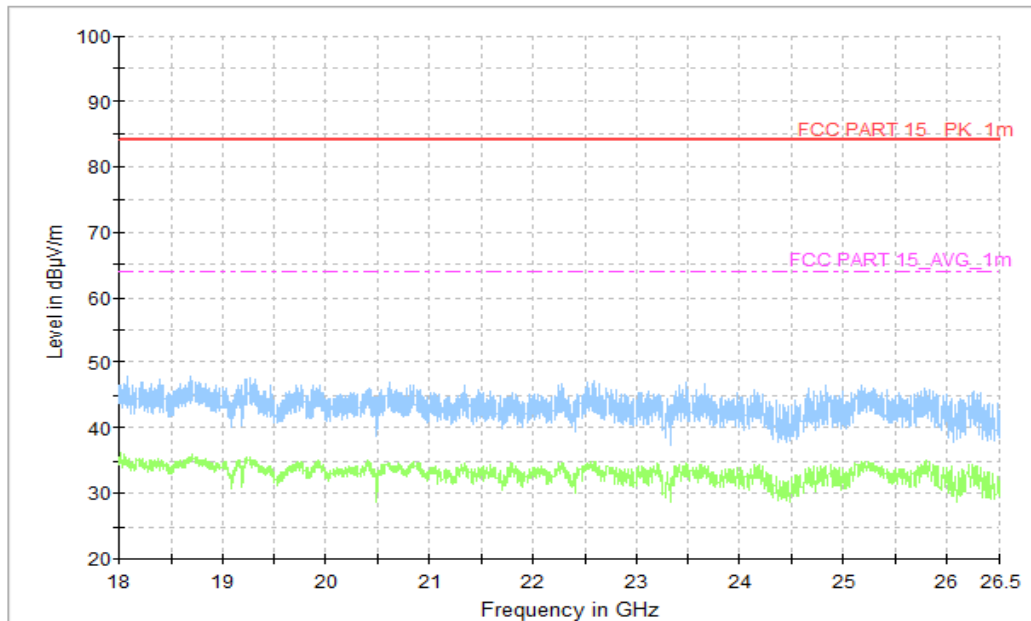


Figure A.1.23. Radiated Emission ((LTE receiver Band 12, 18GHz to 26.5GHz)

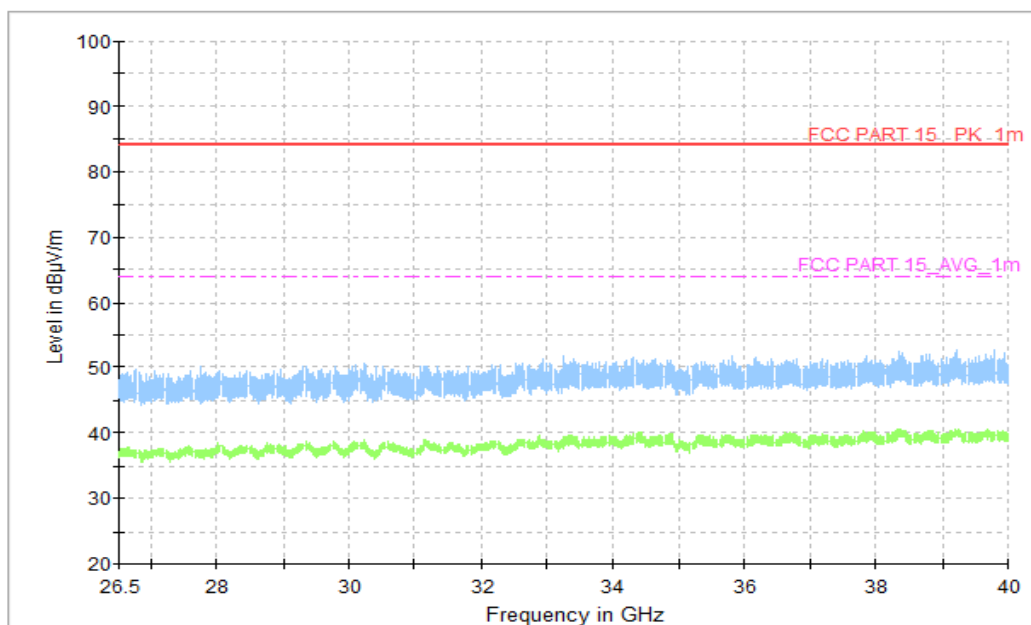


Figure A.1.24. Radiated Emission ((LTE receiver Band 12, 26.5GHz to 40GHz)

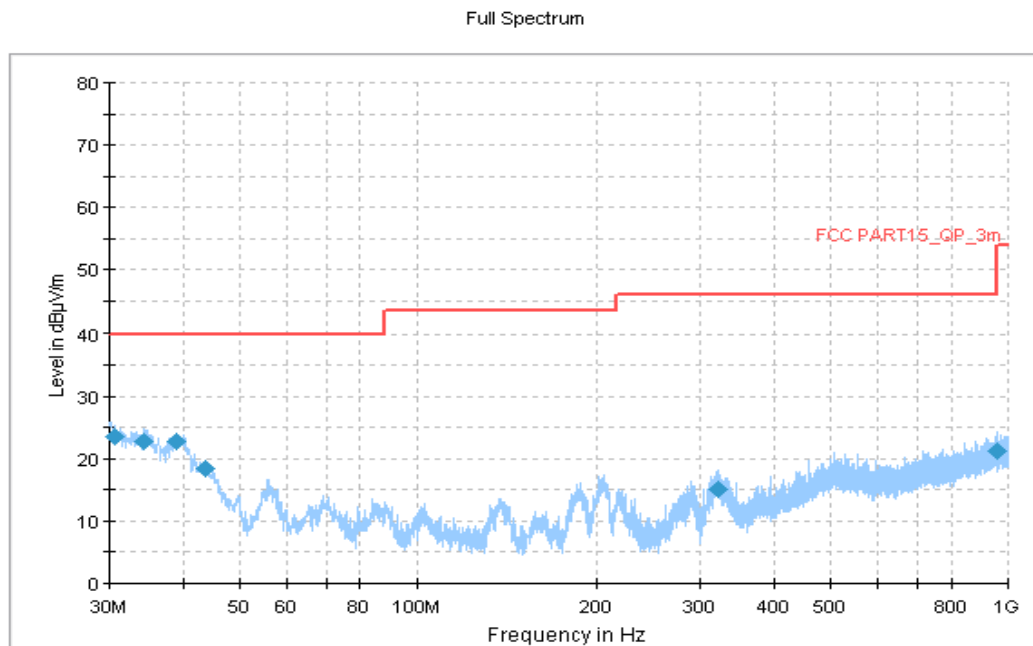


Figure A.1.25. Radiated Emission (LTE receiver Band 13, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.592778	23.47	40.00	16.53	V	-17.7	41.17
34.257222	22.76	40.00	17.24	V	-19.7	42.46
39.053333	22.71	40.00	17.29	V	-22.4	45.11
43.795556	18.52	40.00	21.48	V	-25.4	43.92
322.993889	15.04	46.02	30.98	H	-21.1	36.14
957.320000	21.09	46.02	24.93	V	-9.6	30.69

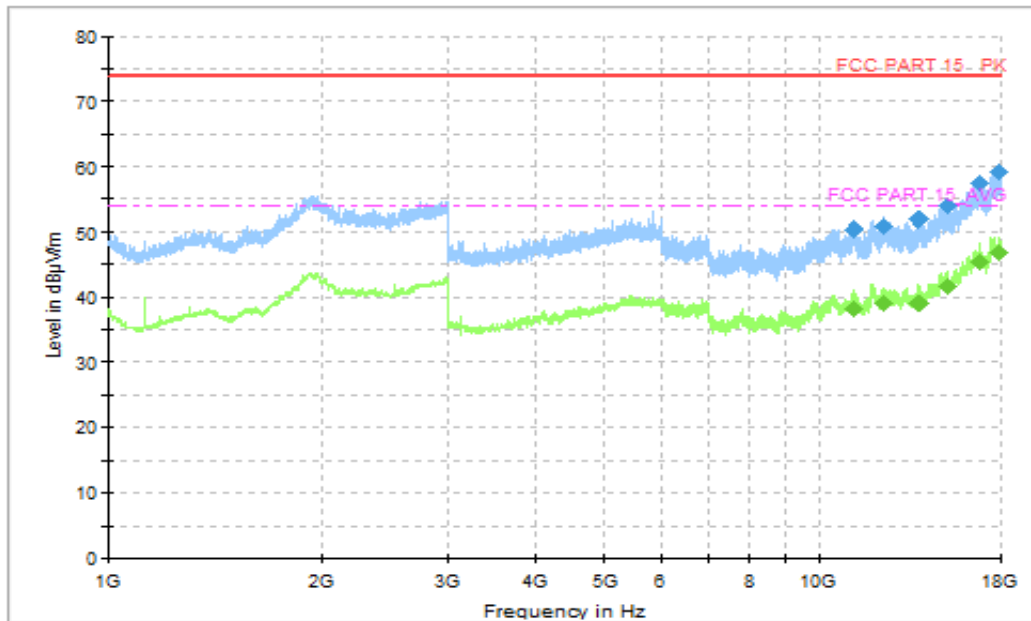


Figure A.1.26. Radiated Emission (LTE receiver Band 13, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
11197.000000	50.36	74.00	23.64	V	11.7	38.66
12361.500000	50.96	74.00	23.04	V	13.5	37.46
13821.000000	51.86	74.00	22.14	V	13.0	38.86
15149.000000	54.08	74.00	19.92	H	15.0	39.08
16857.500000	57.40	74.00	16.60	H	19.2	38.2
17938.500000	59.28	74.00	14.72	V	21.8	37.48

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
11197.000000	38.16	54.00	15.84	V	11.7	26.46
12361.500000	39.03	54.00	14.97	V	13.5	25.53
13821.000000	39.20	54.00	14.80	V	13.0	26.20
15149.000000	41.66	54.00	12.34	H	15.0	26.66
16857.500000	45.48	54.00	8.52	H	19.2	26.28
17938.500000	46.71	54.00	7.29	V	21.8	24.91

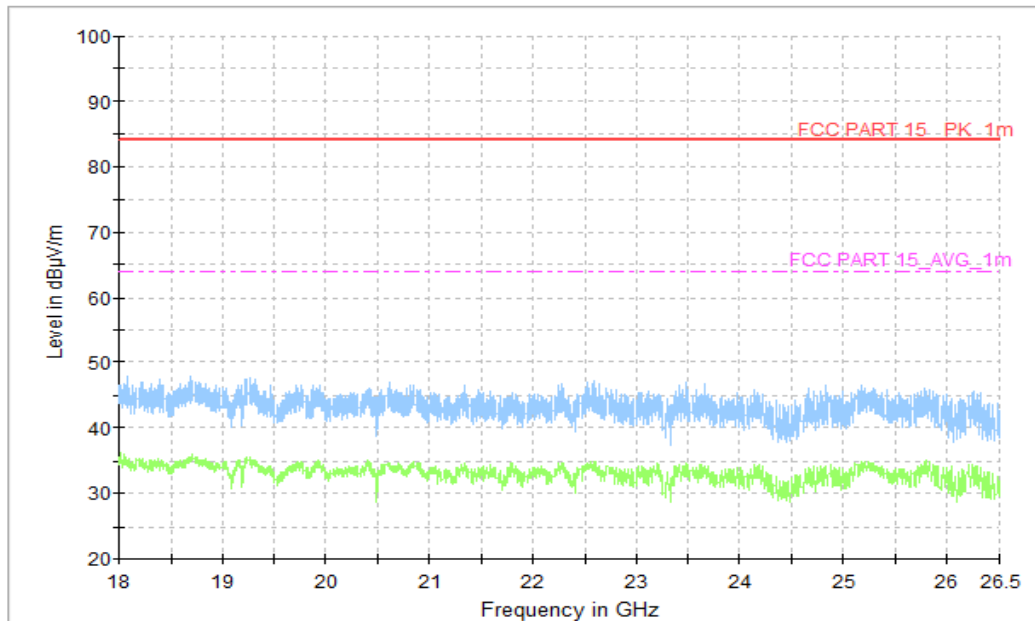


Figure A.1.27. Radiated Emission ((LTE receiver Band 13, 18GHz to 26.5GHz)

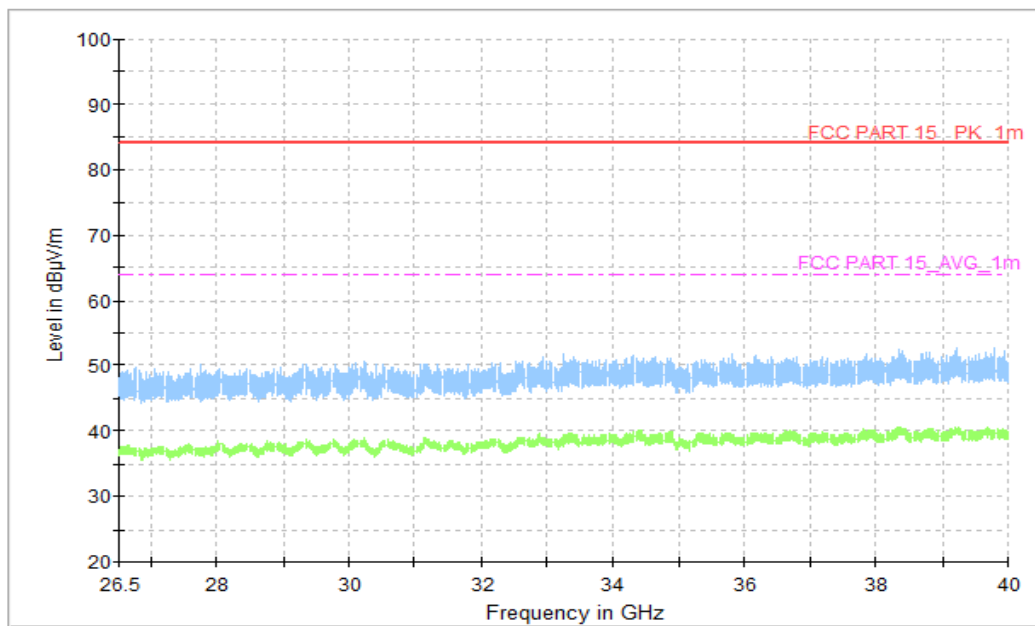


Figure A.1.28. Radiated Emission ((LTE receiver Band 13, 26.5GHz to 40GHz)

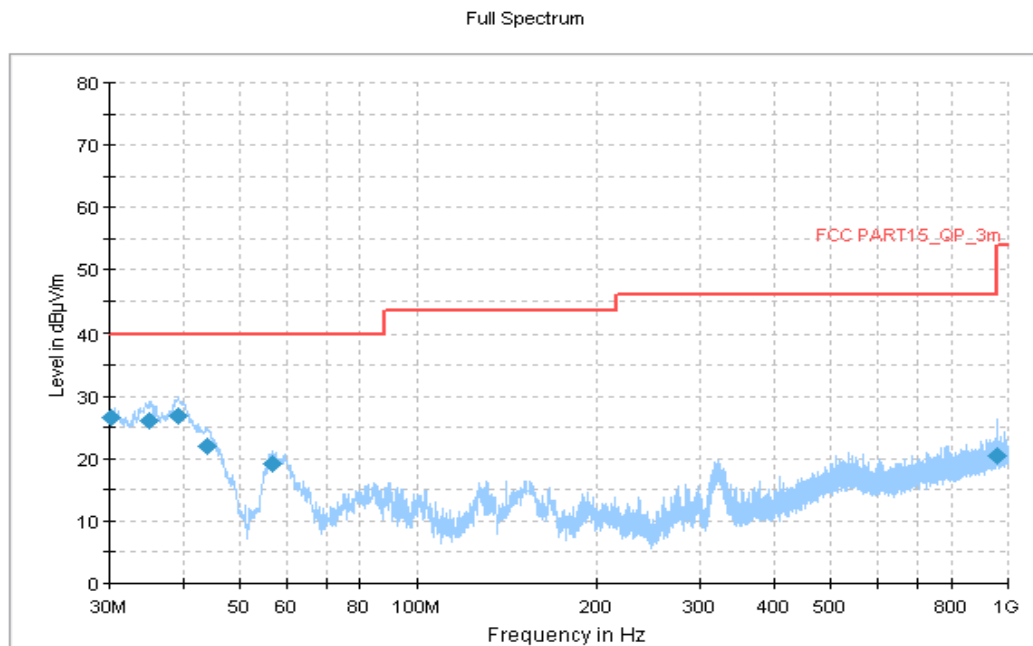


Figure A.1.29. Radiated Emission (LTE receiver Band 17, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.269444	26.63	40.00	13.37	V	-17.5	44.13
35.173333	26.02	40.00	13.98	V	-20.2	46.22
39.215000	26.81	40.00	13.19	V	-22.5	49.31
44.011111	21.94	40.00	18.06	V	-25.5	47.44
56.782778	19.08	40.00	20.93	V	-30.9	49.98
956.673333	20.46	46.02	25.56	V	-9.6	30.06

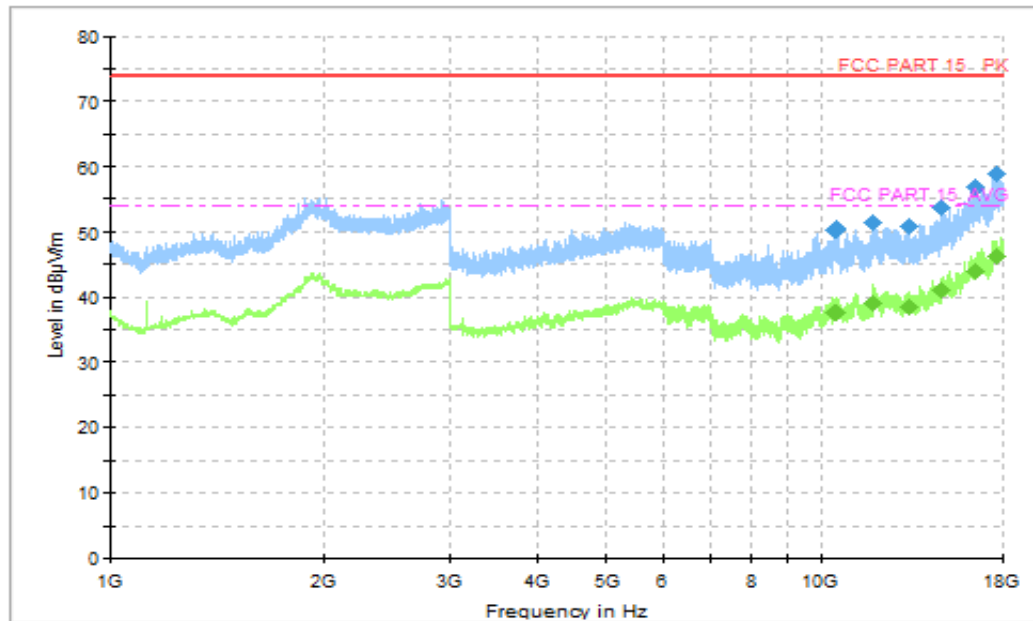


Figure A.1.30. Radiated Emission (LTE receiver Band 17, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10472.500000	50.33	74.00	23.67	H	10.9	39.43
11854.000000	51.38	74.00	22.62	H	12.6	38.78
13339.500000	50.91	74.00	23.09	H	13.1	37.81
14782.500000	53.80	74.00	20.20	V	15.5	38.30
16474.500000	56.77	74.00	17.23	V	18.6	38.17
17690.000000	58.88	74.00	15.12	H	21.1	37.78

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10472.500000	37.56	54.00	16.44	H	10.9	26.66
11854.000000	39.07	54.00	14.93	H	12.6	26.47
13339.500000	38.40	54.00	15.60	H	13.1	25.30
14782.500000	41.14	54.00	12.86	V	15.5	25.64
16474.500000	43.98	54.00	10.02	V	18.6	25.38
17690.000000	46.15	54.00	7.85	H	21.1	25.05

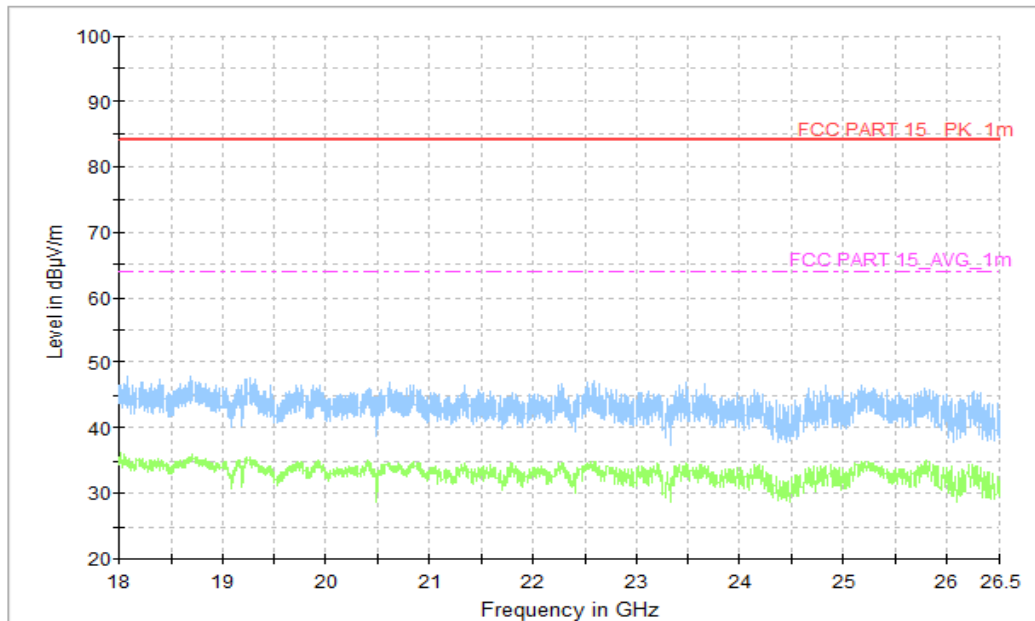


Figure A.1.31. Radiated Emission ((LTE receiver Band 17, 18GHz to 26.5GHz)

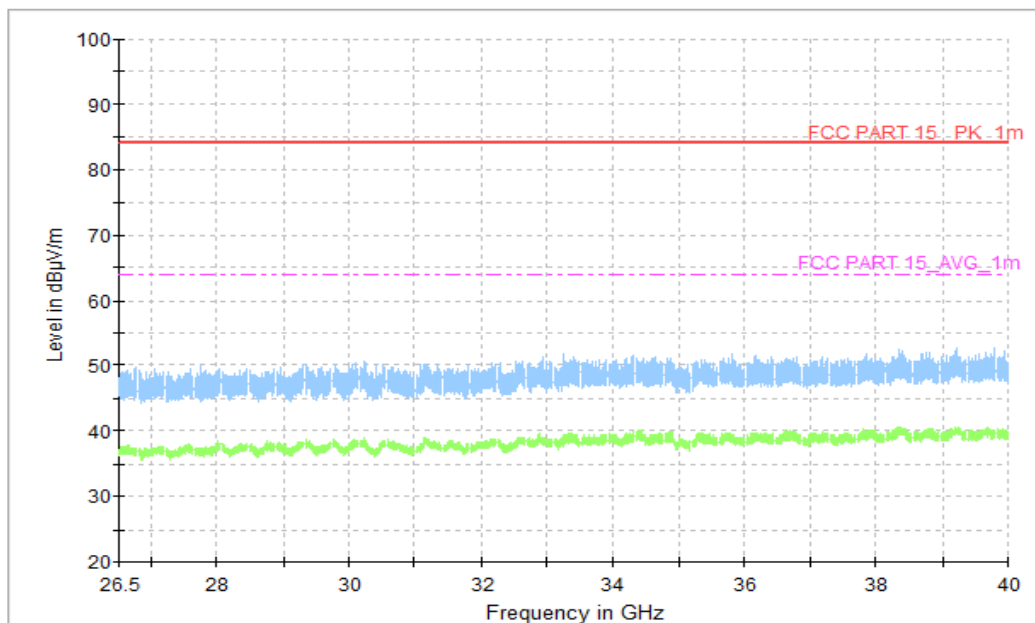


Figure A.1.32. Radiated Emission ((LTE receiver Band 17, 26.5GHz to 40GHz)

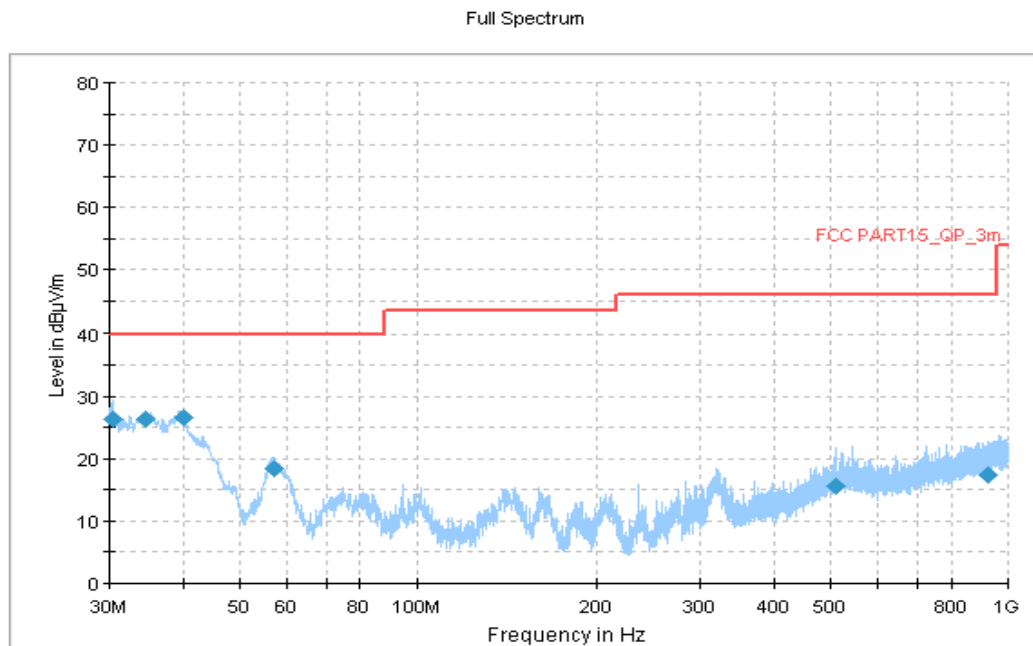


Figure A.1.33. Radiated Emission (LTE receiver Band 26, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.323333	26.42	40.00	13.58	V	-17.5	43.92
34.472778	26.32	40.00	13.68	V	-19.8	46.12
40.077222	26.59	40.00	13.41	V	-23.1	49.69
57.052222	18.47	40.00	21.53	V	-30.8	49.27
510.796667	15.62	46.02	30.40	V	-16.2	31.82
922.938889	17.49	46.02	28.53	H	-10.2	27.69

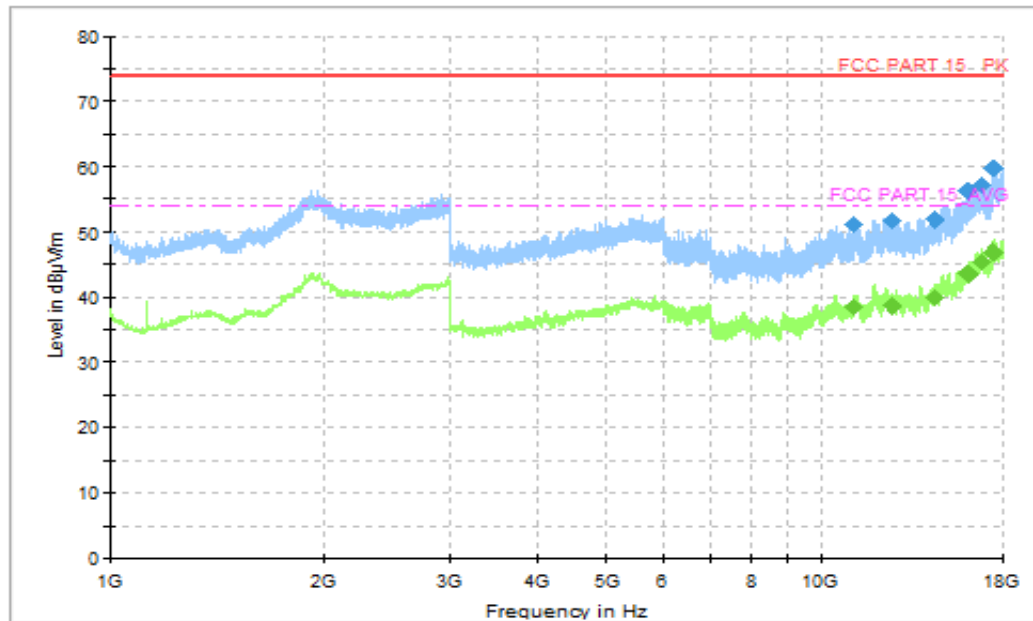


Figure A.1.34. Radiated Emission (LTE receiver Band 26, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
11150.000000	51.10	74.00	22.90	V	11.6	39.50
12613.500000	51.50	74.00	22.50	H	12.7	38.8
14517.500000	51.90	74.00	22.10	H	14.0	37.90
16125.000000	56.20	74.00	17.80	H	16.9	39.30
16890.500000	57.23	74.00	16.77	H	19.1	38.13
17517.500000	59.69	74.00	14.31	H	21.7	37.99

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
11150.000000	38.39	54.00	15.61	V	11.6	26.79
12613.500000	38.64	54.00	15.36	H	12.7	25.94
14517.500000	39.84	54.00	14.16	H	14.0	25.84
16125.000000	43.52	54.00	10.48	H	16.9	26.62
16890.500000	45.44	54.00	8.56	H	19.1	26.34
17517.500000	46.97	54.00	7.03	H	21.7	25.27

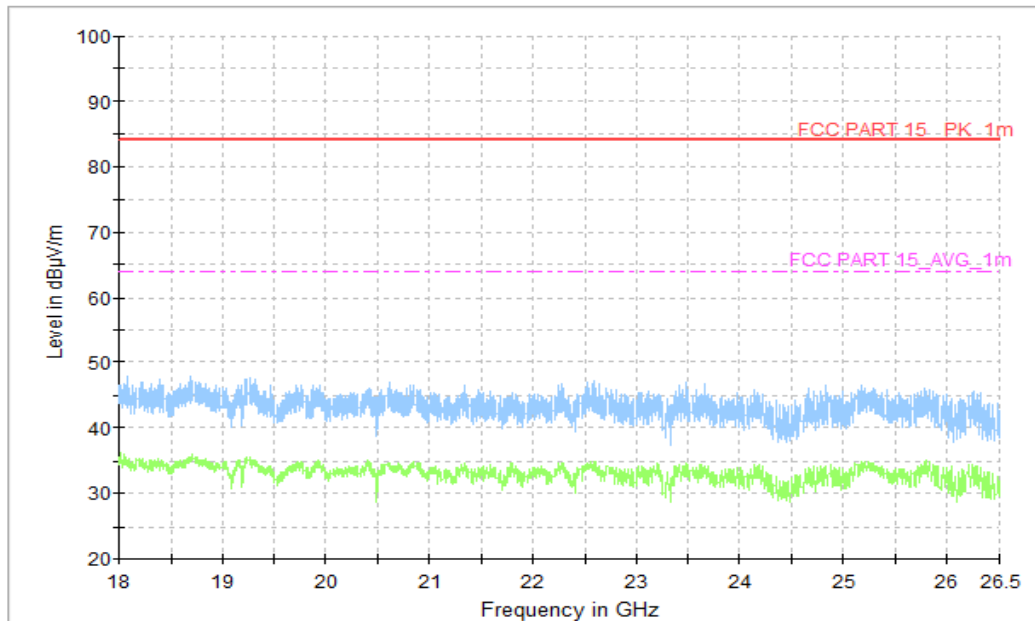


Figure A.1.35. Radiated Emission (LTE receiver Band 26, 18GHz to 26.5GHz)

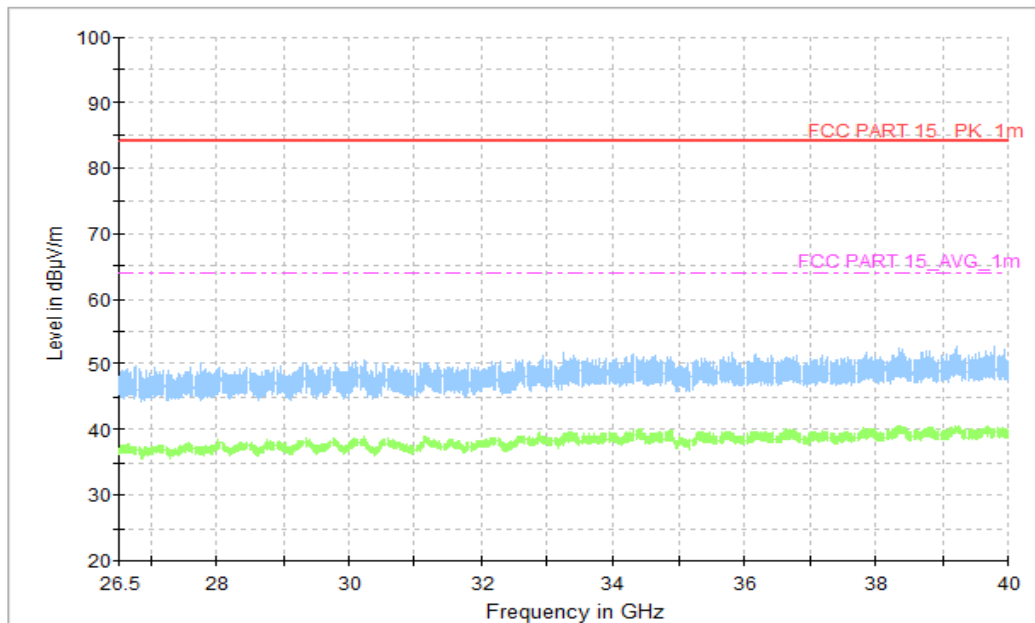


Figure A.1.36. Radiated Emission (LTE receiver Band 26, 26.5GHz to 40GHz)

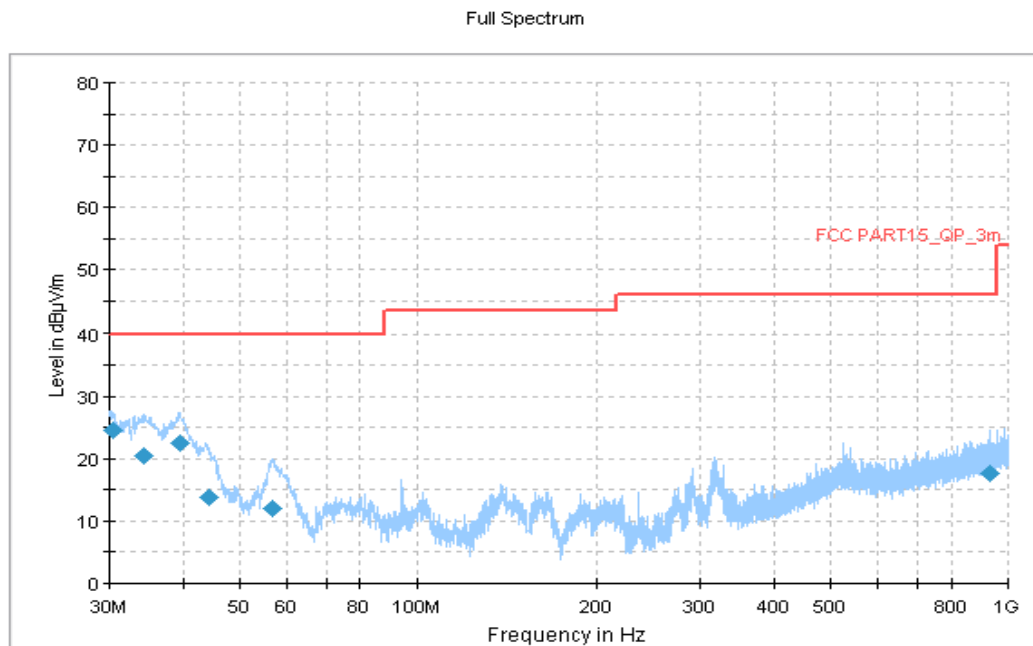


Figure A.1.37. Radiated Emission (NR receiver Band n5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.431111	24.47	40.00	15.53	V	-17.6	42.07
34.203333	20.42	40.00	19.58	V	-19.7	40.12
39.430556	22.38	40.00	17.62	V	-22.7	45.08
44.226667	13.92	40.00	26.08	V	-25.7	39.62
56.621111	11.89	40.00	28.11	V	-30.9	42.79
933.016111	17.56	46.02	28.46	H	-10.1	27.66

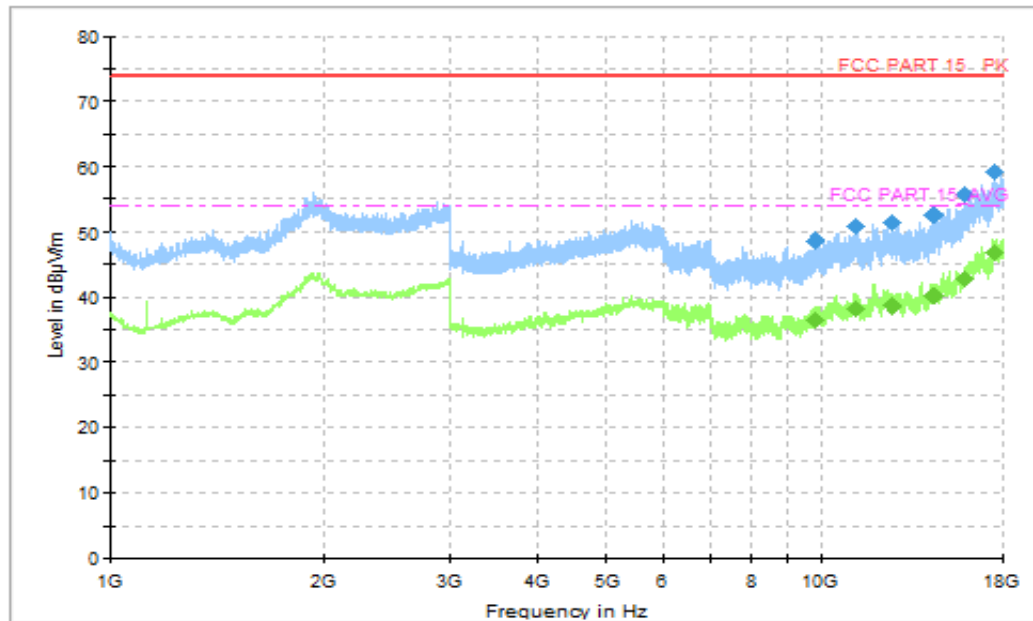


Figure A.1.38. Radiated Emission (NR receiver Band n5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9810.500000	48.80	74.00	25.20	H	9.7	39.10
11187.000000	50.78	74.00	23.22	V	11.7	39.08
12545.000000	51.27	74.00	22.73	V	12.7	38.57
14416.000000	52.70	74.00	21.30	V	14.1	38.60
15917.000000	55.70	74.00	18.30	H	15.9	39.8
17543.500000	59.20	74.00	14.80	V	21.6	37.60

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9810.500000	36.54	54.00	17.46	H	9.7	26.84
11187.000000	38.14	54.00	15.86	V	11.7	26.44
12545.000000	38.76	54.00	15.24	V	12.7	26.06
14416.000000	40.06	54.00	13.94	V	14.1	25.96
15917.000000	42.70	54.00	11.30	H	15.9	26.8
17543.500000	46.76	54.00	7.24	V	21.6	25.16

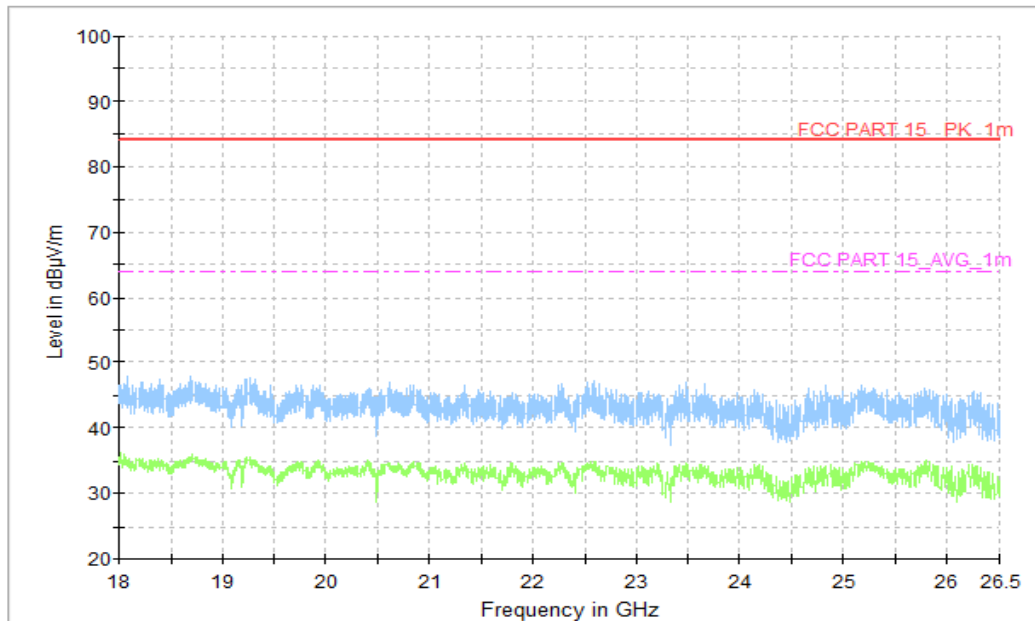


Figure A.1.39. Radiated Emission (NR receiver Band n5, 18GHz to 26.5GHz)

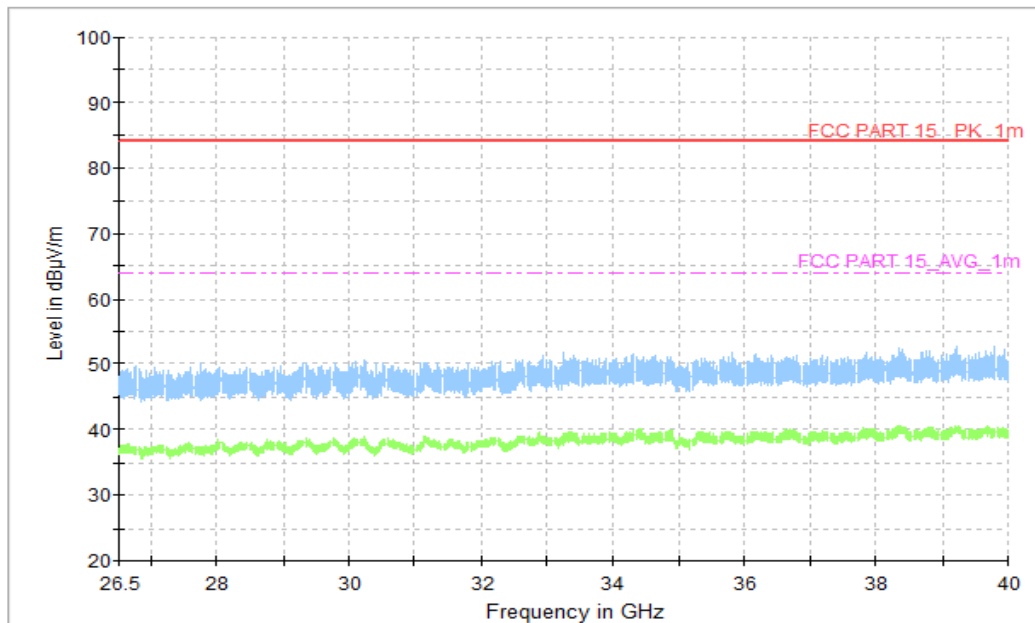


Figure A.1.40. Radiated Emission (NR receiver Band n5, 26.5GHz to 40GHz)

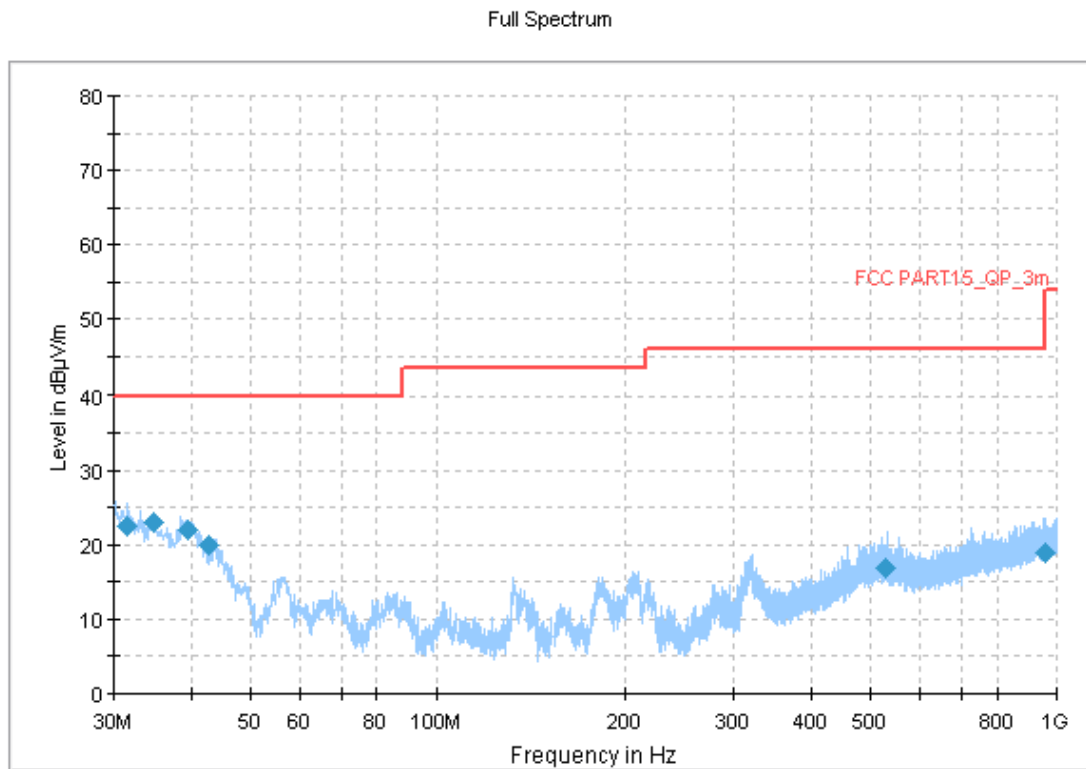


Figure A.1.41. Radiated Emission (NR receiver Band n26, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
31.508889	22.45	40.00	17.55	V	-18.3	42.07
34.826667	22.90	40.00	17.10	V	-19.8	40.12
39.653333	22.08	40.00	17.92	V	-22.4	45.08
42.795556	19.86	40.00	20.14	V	-25.4	39.62
529.681667	16.83	46.02	29.19	H	-16.2	42.79
960.953333	18.86	53.98	35.12	V	-9.7	27.66

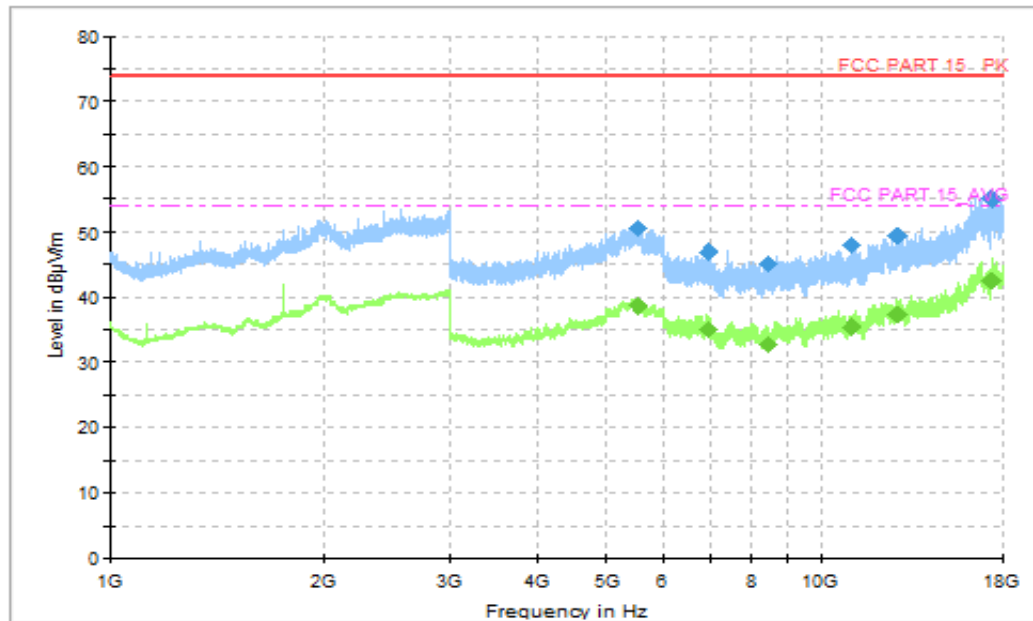


Figure A.1.42. Radiated Emission (NR receiver Band n26, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
5516.000000	50.54	74.00	23.46	H	7.2	39.10
6943.500000	47.00	74.00	27.00	V	8.9	39.08
8417.500000	44.96	74.00	29.04	V	7.6	38.57
11075.500000	47.87	74.00	26.13	H	11.0	38.60
12788.000000	49.30	74.00	24.70	V	12.8	39.8
17344.500000	55.01	74.00	18.99	V	19.5	37.60

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
5516.000000	38.63	54.00	15.37	H	7.2	26.84
6943.500000	34.95	54.00	19.05	V	8.9	26.44
8417.500000	32.67	54.00	21.33	V	7.6	26.06
11075.500000	35.51	54.00	18.49	H	11.0	25.96
12788.000000	37.31	54.00	16.69	V	12.8	26.8
17344.500000	42.59	54.00	11.41	V	19.5	25.16

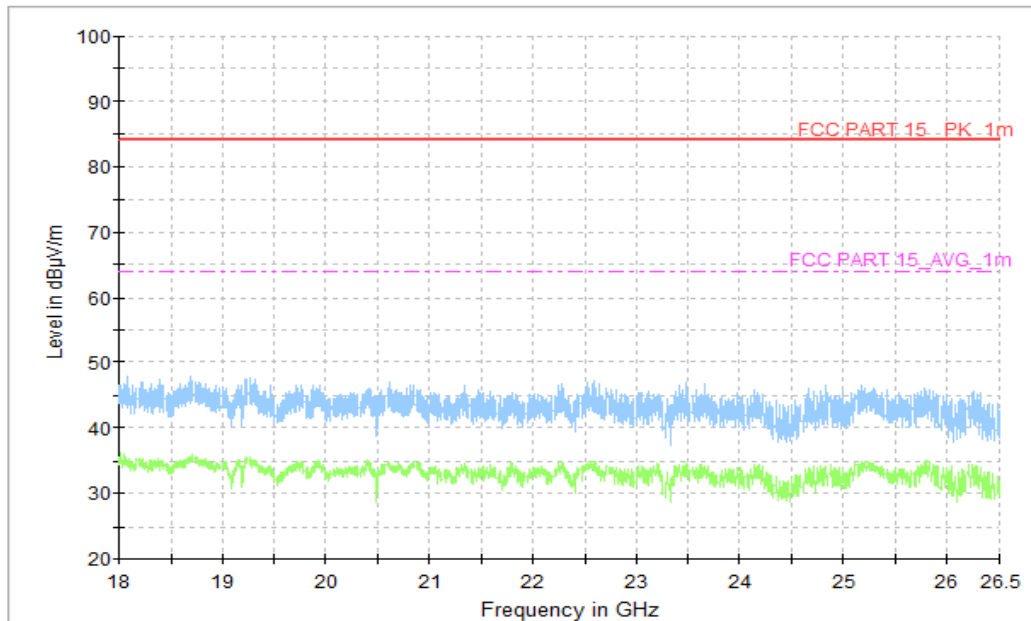


Figure A.1.43. Radiated Emission (NR receiver Band n26, 18GHz to 26.5GHz)

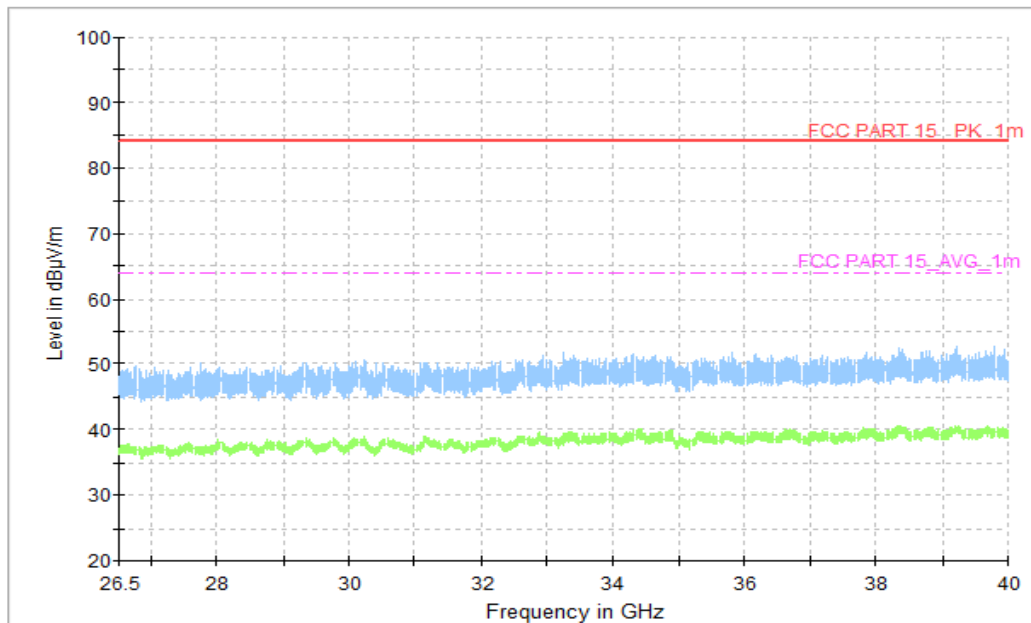


Figure A.1.44. Radiated Emission (NR receiver Band n26, 26.5GHz to 40GHz)

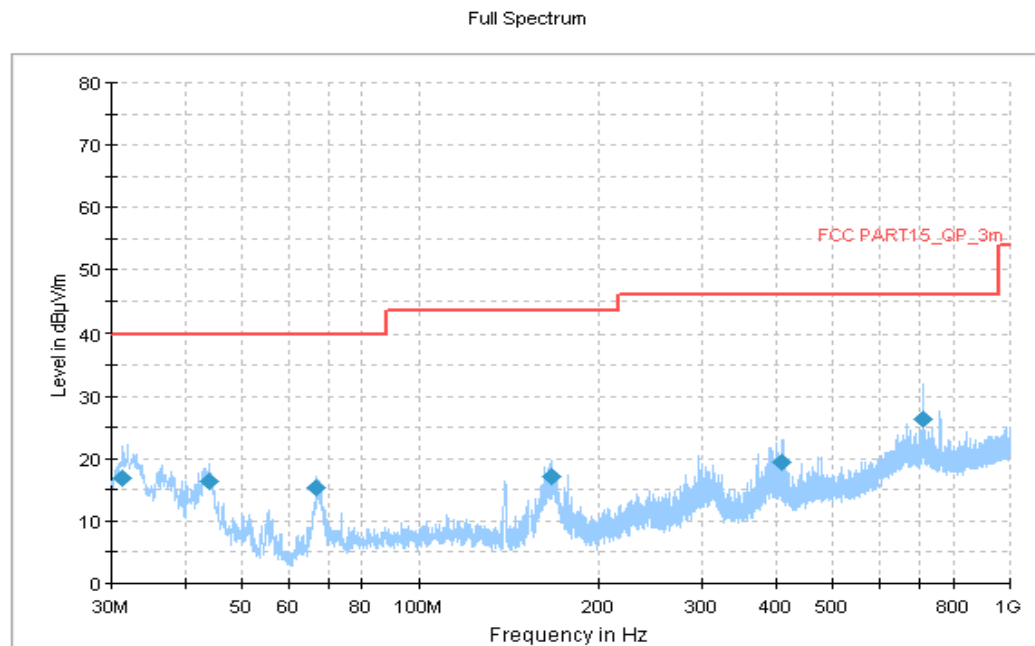


Figure A.1.45. Radiated Emission (Data Transfer: EUT TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
31.347222	16.80	40.00	23.20	H	-18.2	35.00
43.957222	16.34	40.00	23.66	H	-25.5	41.84
66.967778	15.40	40.00	24.60	H	-28.1	43.50
166.285000	17.14	43.52	26.38	H	-26.3	43.44
409.916667	19.54	46.02	36.48	H	-18.5	38.04
710.670556	26.36	46.02	19.66	H	-12.8	39.16

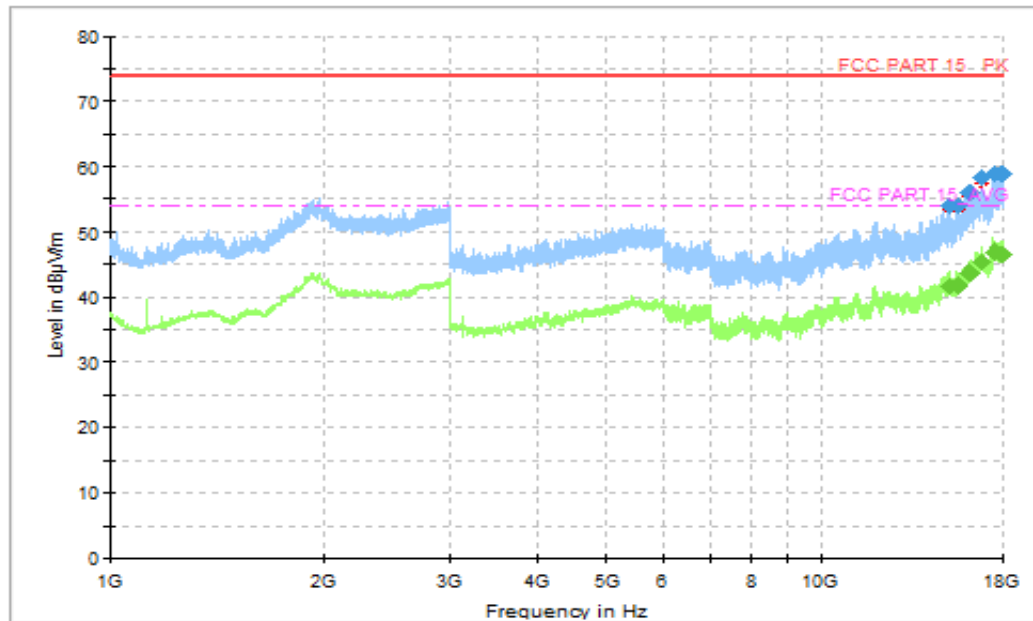


Figure A.1.46. Radiated Emission (Data Transfer: EUT TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
15163.500000	53.95	74.00	20.05	H	14.9	39.05
15665.000000	53.97	74.00	20.03	V	15.2	38.77
16161.000000	56.11	74.00	17.89	V	16.9	39.21
16891.500000	58.13	74.00	15.88	H	19.1	39.03
17531.000000	59.05	74.00	14.95	V	21.7	37.35
17951.500000	58.89	74.00	15.11	V	21.8	37.09

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
15163.500000	41.50	54.00	12.50	H	14.9	26.60
15665.000000	41.88	54.00	12.12	V	15.2	26.68
16161.000000	43.74	54.00	10.26	V	16.9	26.84
16891.500000	45.49	54.00	8.51	H	19.1	26.39
17531.000000	46.88	54.00	7.12	V	21.7	25.18
17951.500000	46.59	54.00	7.41	V	21.8	24.79

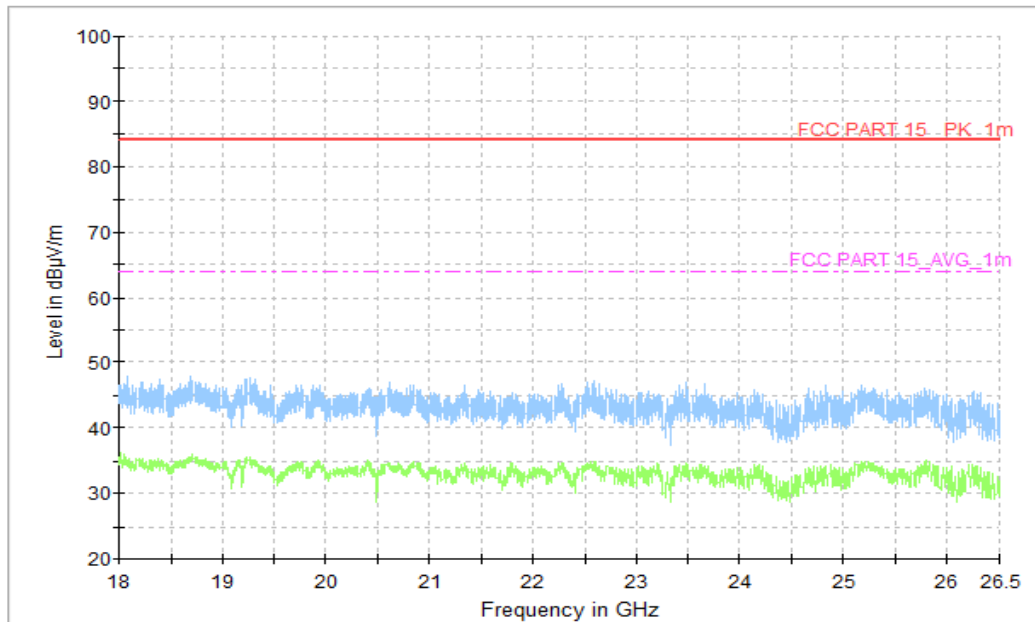


Figure A.1.47. Radiated Emission (Data Transfer: EUT TO PC, 18GHz to 26.5GHz)

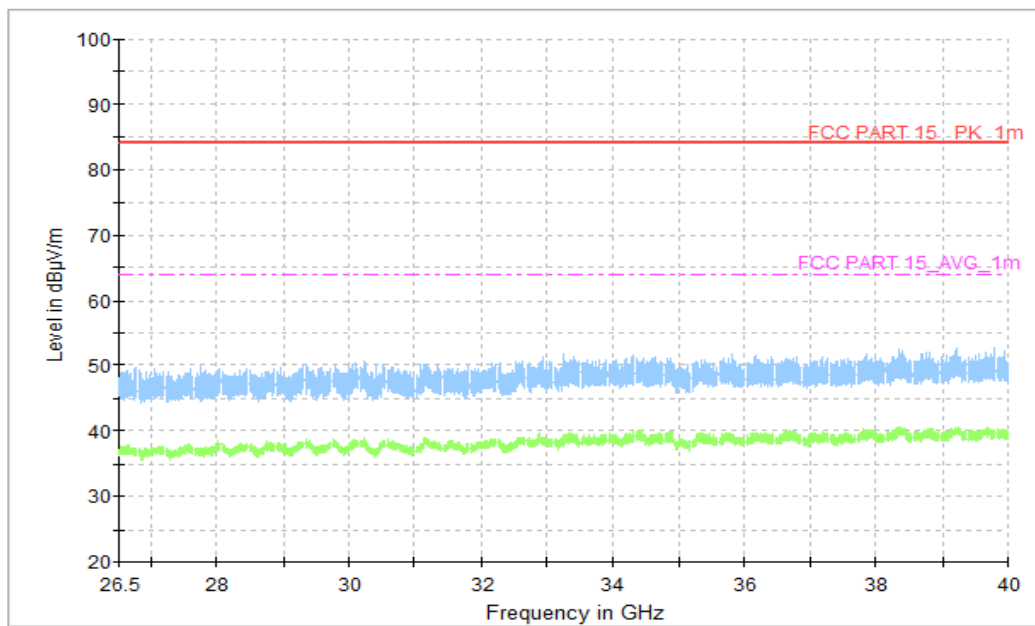


Figure A.1.48. Radiated Emission (Data Transfer: EUT TO PC, 26.5GHz to 40GHz)

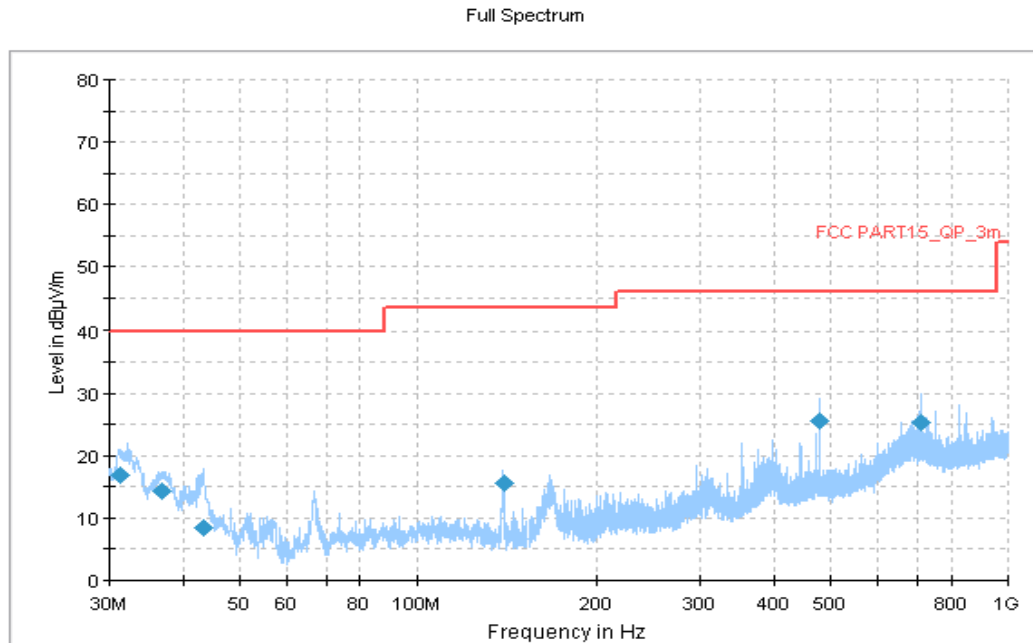


Figure A.1.49. Radiated Emission (Data Transfer: PC TO EUT, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
31.347222	16.88	40.00	23.12	V	-18.2	35.08
36.897778	14.26	40.00	25.74	V	-21.1	35.36
43.364444	8.47	40.00	31.53	H	-25.1	33.57
139.286667	15.60	43.52	27.92	H	-25.4	41.00
479.972222	25.67	46.02	20.35	H	-16.8	42.47
709.862222	25.25	46.02	20.77	H	-12.8	38.05

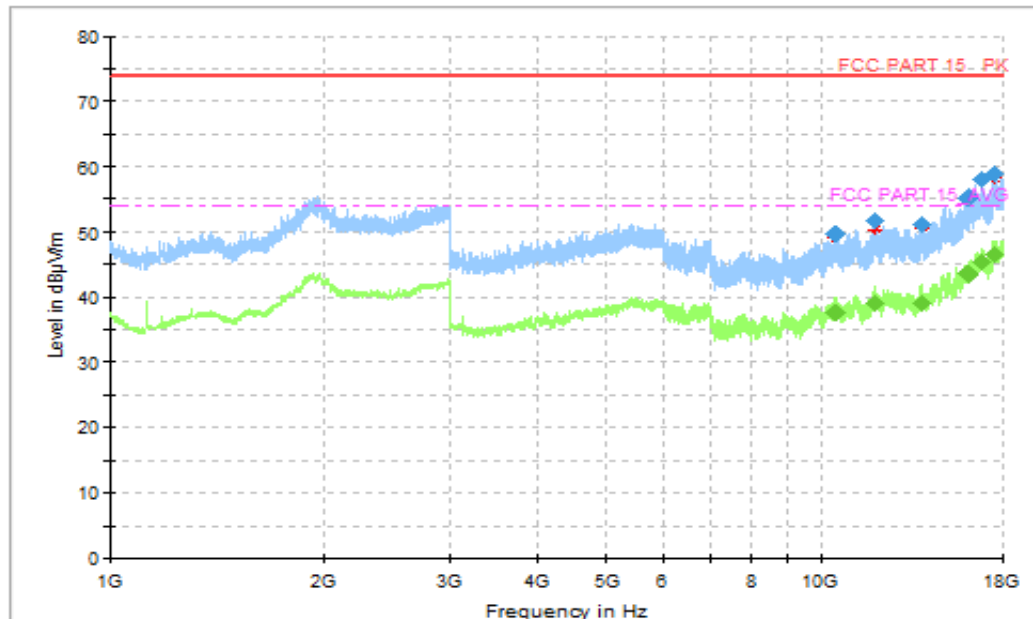


Figure A.1.50. Radiated Emission (Data Transfer: PC TO EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10479.500000	49.61	74.00	24.39	H	10.9	38.71
11945.000000	51.68	74.00	22.32	H	12.7	38.98
13906.500000	51.11	74.00	22.89	V	12.5	38.61
16123.500000	55.35	74.00	18.65	V	16.9	38.45
16904.500000	58.02	74.00	15.98	V	19.1	38.92
17549.500000	59.07	74.00	14.93	H	21.6	37.47

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10479.500000	37.74	54.00	16.26	H	10.9	26.84
11945.000000	39.23	54.00	14.77	H	12.7	26.53
13906.500000	39.10	54.00	14.90	V	12.5	26.60
16123.500000	43.43	54.00	10.57	V	16.9	26.53
16904.500000	45.50	54.00	8.50	V	19.1	26.4
17549.500000	46.46	54.00	7.54	H	21.6	24.86

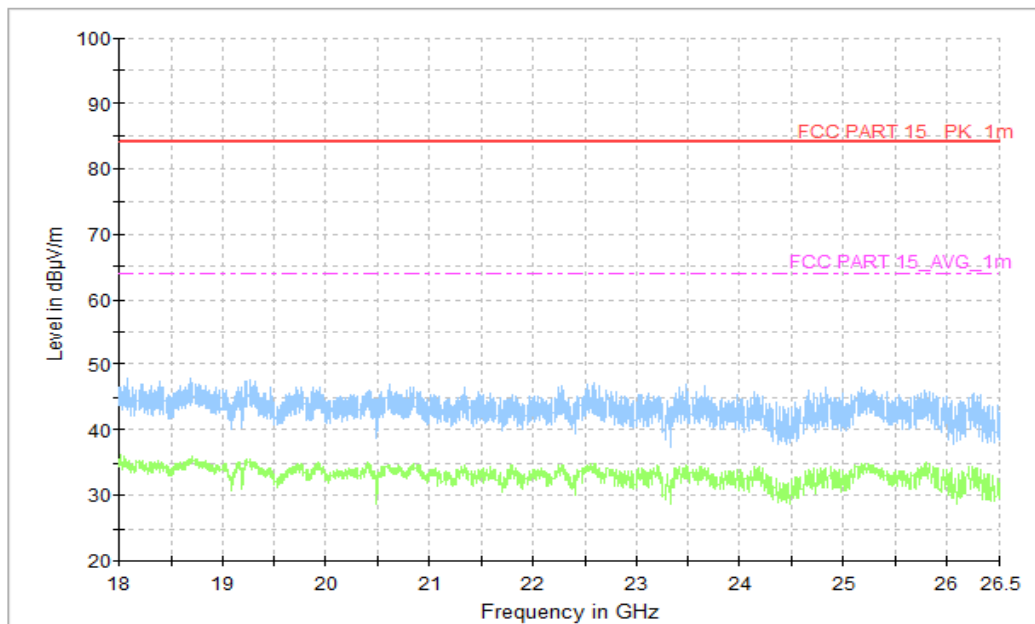


Figure A.1.51. Radiated Emission (Data Transfer: PC TO EUT, 18GHz to 26.5GHz)

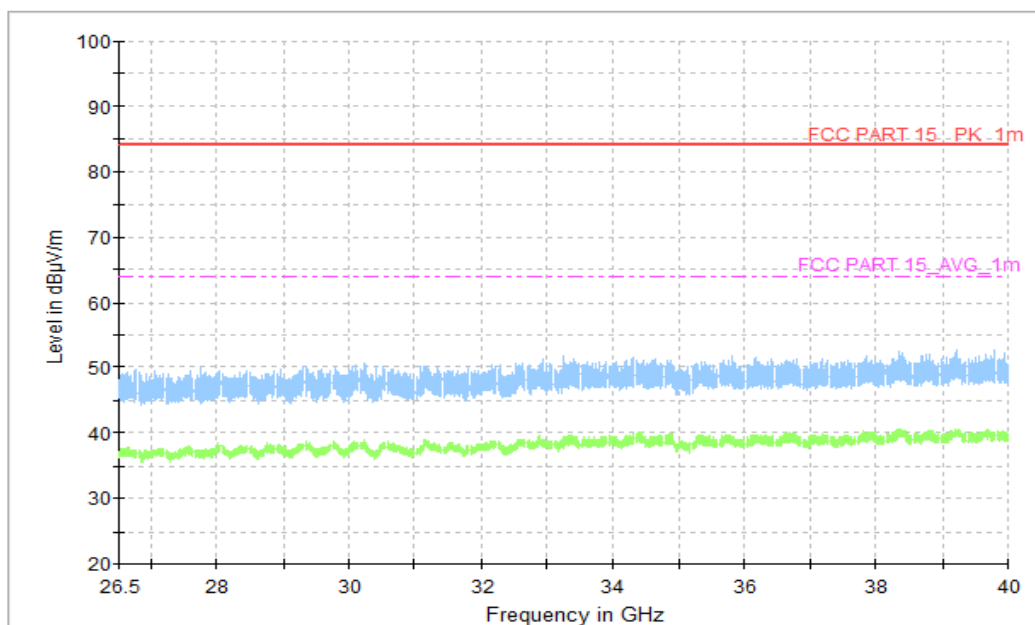


Figure A.1.52. Radiated Emission (Data Transfer: PC TO EUT, 26.5GHz to 40GHz)

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.

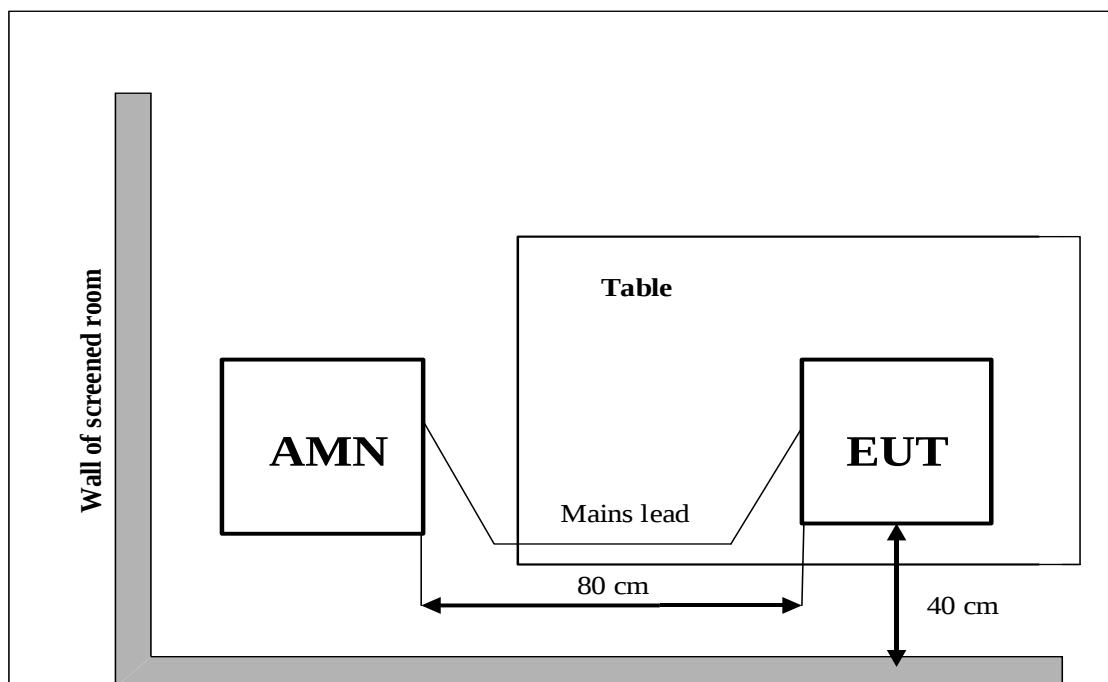
Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

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 (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
			UT18aa/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.				

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT18aa/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.				

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT18aa/Set.1	
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)	Conclusion
			UT18aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.4.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT18aa/Set.2	
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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT18aa/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

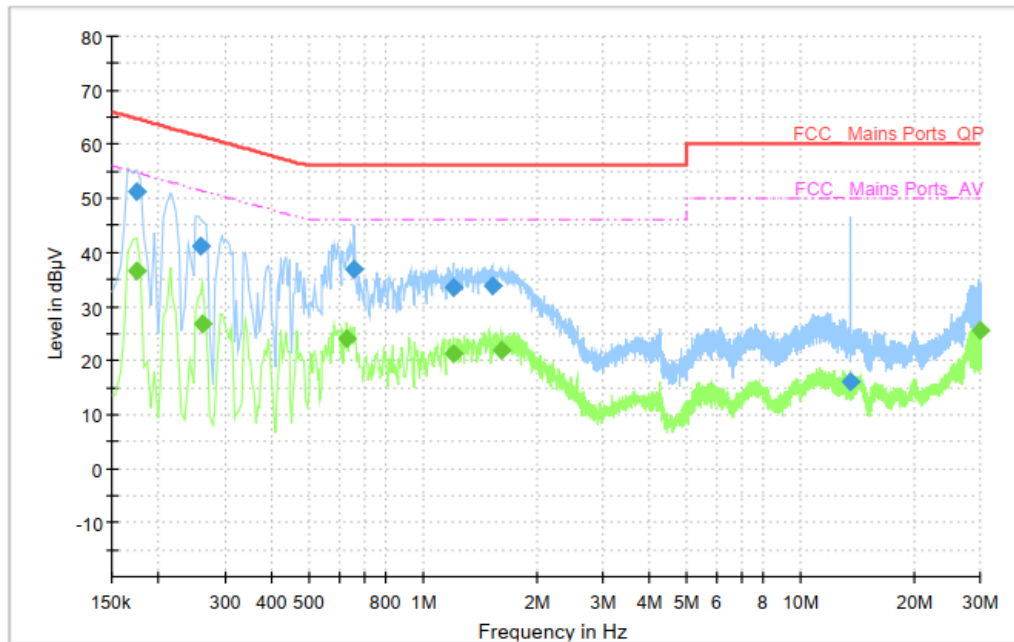


Figure A.2.1. Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.174000	51.27	64.77	13.50	L1	10	41.27
0.258000	41.06	61.50	20.44	N	10	31.06
0.658000	36.95	56.00	19.05	N	10	26.95
1.206000	33.59	56.00	22.41	N	10	23.59
1.526000	33.93	56.00	22.07	N	10	23.93
13.562000	16.09	60.00	43.91	L1	10	6.09

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.174000	36.52	54.77	18.25	L1	10	26.52
0.262000	26.83	51.37	24.54	L1	10	16.83
0.630000	24.14	46.00	21.86	L1	10	14.14
1.206000	21.37	46.00	24.63	N	10	11.37
1.622000	21.80	46.00	24.20	N	10	11.8
29.974000	25.43	50.00	24.57	L1	10	15.43

AC Input Port/ Voltage: 240V/60Hz

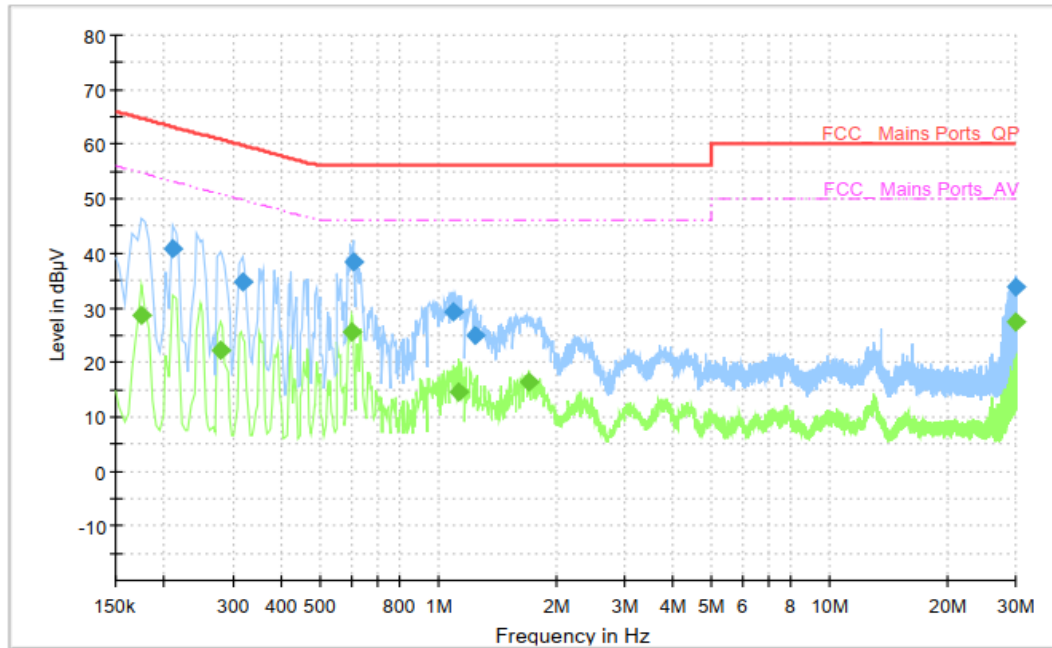


Figure A.2.2. Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.210000	40.96	63.21	22.25	N	10	30.96
0.318000	34.60	59.76	25.16	N	10	24.6
0.606000	38.47	56.00	17.53	N	10	28.47
1.094000	29.16	56.00	26.84	N	10	19.16
1.250000	25.03	56.00	30.97	L1	10	15.03
29.874000	33.94	60.00	26.06	N	10	23.94

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.174000	28.53	54.77	26.24	L1	10	18.53
0.278000	22.06	50.88	28.81	L1	10	12.06
0.602000	25.62	46.00	20.38	N	10	15.62
1.130000	14.62	46.00	31.38	N	10	4.62
1.702000	16.31	46.00	29.69	L1	10	6.31
29.874000	27.47	50.00	22.53	N	10	17.47

AC Input Port/ Voltage: 120V/60Hz

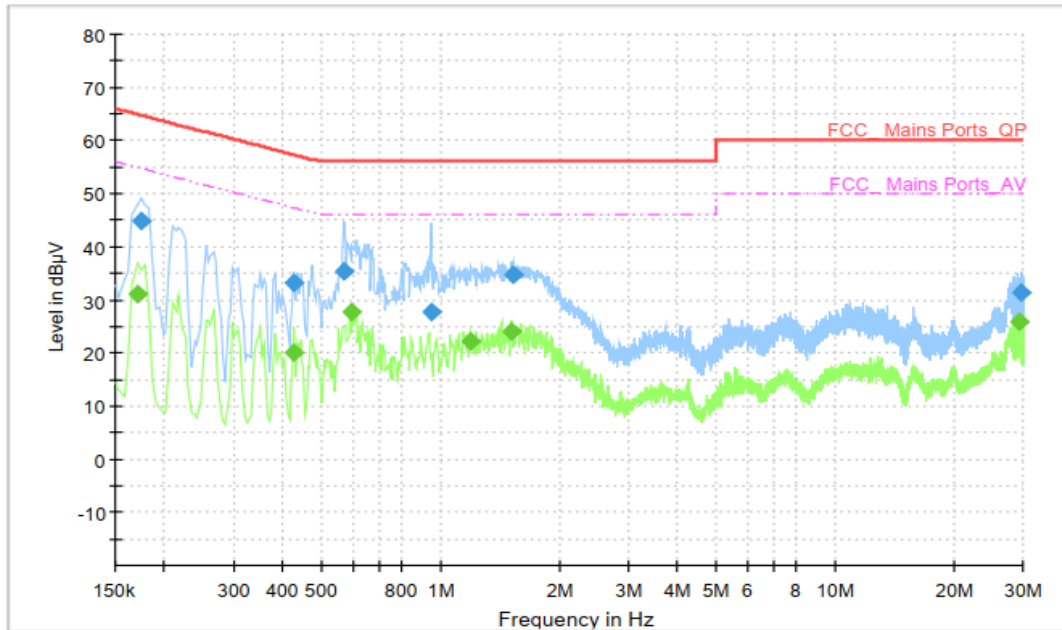


Figure A.2.3. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.174000	44.87	64.77	19.90	N	10	34.87
0.426000	33.16	57.33	24.17	L1	10	23.16
0.570000	35.43	56.00	20.57	N	10	25.43
0.946000	27.83	56.00	28.17	L1	10	17.83
1.526000	34.59	56.00	21.41	N	10	24.59
29.674000	31.31	60.00	28.69	L1	10	21.31

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.170000	31.19	54.96	23.78	L1	10	21.19
0.426000	19.94	47.33	27.39	L1	10	9.94
0.598000	27.72	46.00	18.28	N	10	17.72
1.198000	22.35	46.00	23.65	N	10	12.35
1.518000	23.92	46.00	22.08	N	10	13.92
29.282000	25.97	50.00	24.03	L1	10	15.97

AC Input Port/ Voltage: 240V/60Hz

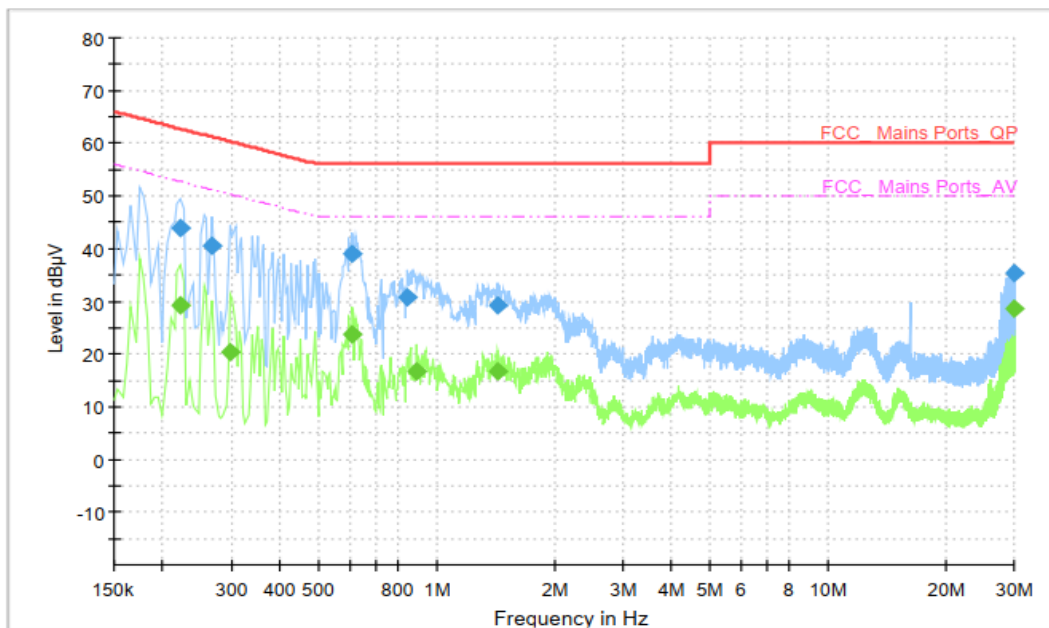


Figure A.2.4. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.222000	43.99	62.74	18.75	N	10	33.99
0.266000	40.66	61.24	20.58	N	10	30.66
0.610000	39.09	56.00	16.91	L1	10	29.09
0.846000	30.65	56.00	25.35	L1	10	20.65
1.434000	29.28	56.00	26.72	L1	10	19.28
29.874000	35.20	60.00	24.80	N	10	25.20

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.222000	29.35	52.74	23.39	N	10	19.35
0.298000	20.31	50.30	29.98	N	10	10.31
0.610000	23.65	46.00	22.35	N	10	13.65
0.890000	16.83	46.00	29.17	N	10	6.83
1.442000	16.62	46.00	29.38	N	10	6.62
29.874000	28.55	50.00	21.45	N	10	18.55

AC Input Port/ Voltage: 120V/60Hz

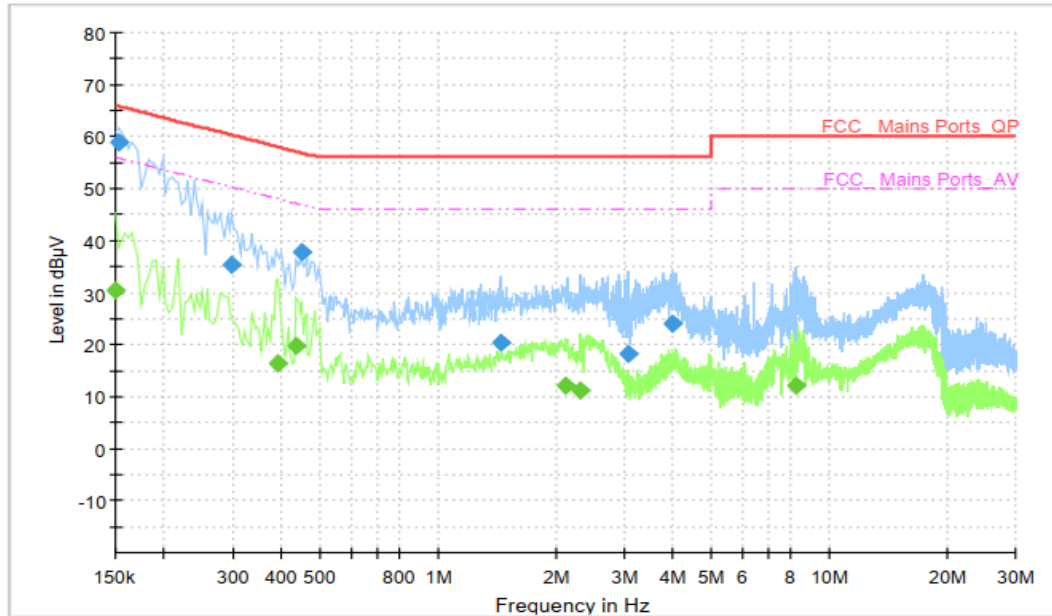


Figure A.2.5. Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.154000	58.85	65.78	6.93	L1	10	48.85
0.298000	35.26	60.30	25.04	N	10	25.26
0.450000	37.69	56.88	19.19	N	10	27.69
1.446000	20.37	56.00	35.63	N	10	10.37
3.058000	18.08	56.00	37.92	N	10	8.08
4.002000	24.05	56.00	31.95	N	10	14.05

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.150000	30.52	56.00	25.48	L1	10	20.52
0.390000	16.28	48.06	31.79	L1	10	6.28
0.434000	19.77	47.18	27.41	L1	10	9.77
2.114000	12.21	46.00	33.79	N	10	2.21
2.322000	11.11	46.00	34.89	L1	10	1.11
8.270000	12.05	50.00	37.95	L1	10	2.05

AC Input Port/ Voltage: 240V/60Hz

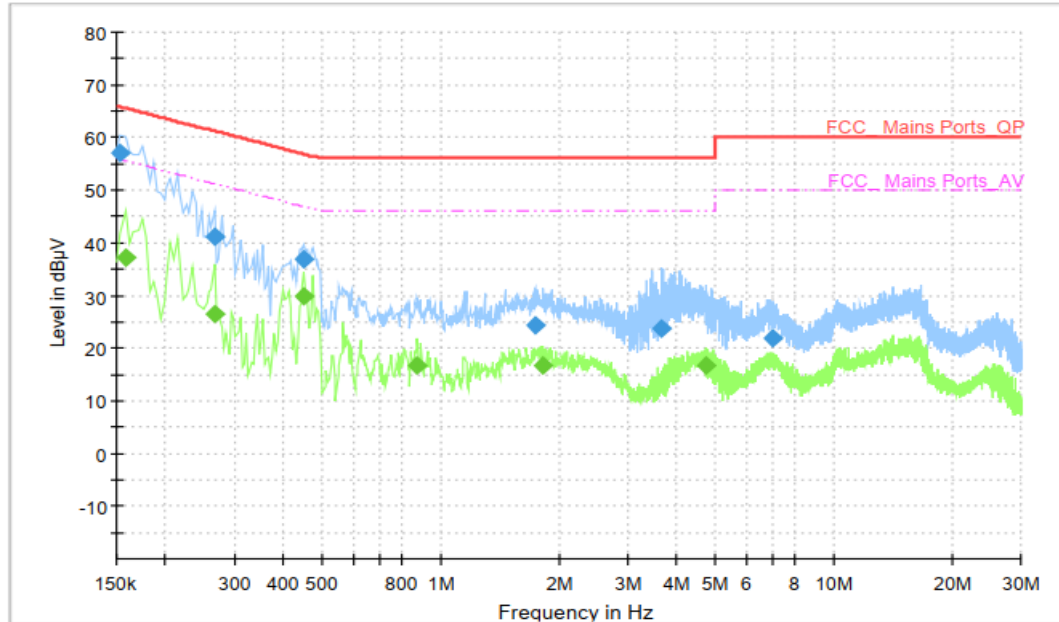


Figure A.2.6. Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.154000	56.91	65.78	8.87	N	10	46.91
0.266000	41.12	61.24	20.12	L1	10	31.12
0.450000	36.90	56.88	19.97	N	10	26.90
1.738000	24.32	56.00	31.68	N	10	14.32
3.670000	23.71	56.00	32.29	N	10	13.71
7.010000	21.93	60.00	38.08	N	10	11.93

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.158000	37.14	55.57	18.43	L1	10	27.14
0.266000	26.50	51.24	24.74	L1	10	16.5
0.450000	29.73	46.88	17.15	N	10	19.73
0.874000	16.58	46.00	29.42	N	10	6.58
1.826000	16.69	46.00	29.31	N	10	6.69
4.726000	16.82	46.00	29.18	N	10	6.82

****END OF REPORT****