TEST REPORT

No.25T04N000942-008-EMC

for

Sonim Technologies, Inc.

5G feature phone

Model Name：X530(S1501),X530(S1601),X530(S1504),

X530(S1604),X530(S1502),X530(S1602),X530(S1503),X530(S1603),X

530(S1510),X530(S1610)

With

Hardware Version: V1.0

Software Version: X53.0-01-15.0-10.07.00

FCC ID:WYPS1501

Issued Date: 2025-08-26

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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REPORT HISTORY

Report Number	Revision	Description	Issue Date
25T04N000942-008-EMC	Rev.0	1st edition	2025-08-26

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

CONTENTS

1. SUMMARY OF TEST REPORT 4
1.1. TEST ITEMS 4
1.2. TEST STANDARDS 4
1.3. TEST RESULT 4
1.4. TESTING LOCATION 4
1.5. PROJECT DATA 4
1.6. SIGNATURE 4
2. CLIENT INFORMATION 5
2.1. APPLICANT INFORMATION 5
2.2. MANUFACTURER INFORMATION 5
3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) 6
3.1. ABOUT EUT 6
3.2. INTERNAL IDENTIFICATION OF EUT 6
3.3. INTERNAL IDENTIFICATION OF AE 6
3.4. EUT SET-UPS 7
3.5. GENERAL DESCRIPTION 8
4. REFERENCE DOCUMENTS 9
4.1. REFERENCE DOCUMENTS FOR TESTING 9
5. LABORATORY ENVIRONMENT 10
6. SUMMARY OF TEST RESULTS 11
6.1. TESTING ENVIRONMENT 11
6.2. SUMMARY OF MEASUREMENT RESULTS 11
6.3. STATEMENT 11
7. MEASUREMENT UNCERTAINTY 12
8. MEASURING APPARATUS UTILIZED 12
9. TEST ACCESSORY UTILIZED 13
10. MEASURING SOFTWARE 13
ANNEX A: MEASUREMENT RESULTS 14
A.1 RADIATED EMISSION (§ 15.109(A)) 14
A.2 CONDUCTED EMISSION (§ 15.107(A)) 70

1. SUMMARY OF TEST REPORT

1.1. Test Items

Description	5G feature phone
Model Name	X530(S1501),X530(S1601),X530(S1504), X530(S1604),X530(S1502),X530(S1602),X530(S1503),X530(S1603) ,X530(S1510),X530(S1610)
Applicant's name	Sonim Technologies, Inc.
Manufacturer's Name	Sonim Technologies, Inc.

1.2. Test Standards

FCC Part 15, Subpart B (10-1-2024 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: 2025-06-27 Testing End Date: 2025-07-24

1.6. Signature

Huang Kaiyang	**Huang Yuqing**
(Prepared this test report)	**(Reviewed this test report)**

Cao Junfei

(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name:	Sonim Technologies, Inc.
Address:	4445 Eastgate Mall,Suite 200,San Diego, CA 92121,USA
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2.2. Manufacturer Information

Company Name:	Sonim Technologies, Inc.
Address:	4445 Eastgate Mall,Suite 200,San Diego, CA 92121,USA
Contact	Avena.Xu /TA manager
Email	Avena.xu@sonimtech.com
Tel.	001-650-378-8100
Fax	001-650-378-8100

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

3.1. About EUT

Description	5G feature phone
Model Name	X530(S1501),X530(S1601),X530(S1504), X530(S1604),X530(S1502),X530(S1602),X530(S1503),X530(S1603),X530(S1510),X530(S1610)
FCC ID	WYPS1501
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	016724000005162	V1.0	X53.0-01-15.0-10.07.00	2025-06-11
UT12aa	016724000008182	V1.0	X53.0-01-15.0-10.07.00	2025-06-11
UT22aa	016725000004022	V1.0	X53.0-01-15.0-10.07.00	2025-07-03
UT23aa	016725000004204	V1.0	X53.0-01-15.0-10.07.00	2025-07-03

*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	BAT-03500-11S
Manufacturer	Tianjin Lishen Juyuan New Energy Technology Co.,Ltd.
Capacity	3500mAh
Nominal Voltage	3.87V

AE2

Model	M18-C018US
Manufacturer	ZhongshanMLSElectricalApplianceCo.,Ltd.
Specification	American Standard Charger

AE3

Model	UL21394
Manufacturer	SUNTOPS ELECTRONICS CO.,LTD.

*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

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 5G feature phone with internal antenna.
It supports WCDMA bands 1/2/4/5/8, LTE bands 1/2/3/4/5/7/8/12/13/14/20/25/26/28/29/30/38/41/42/43/48/66/71, NR Bands n2/n5/n7/n14/n25/n28/n38/n41/n48/n66/n71/n77/n78
This report evaluates the following frequency bands in accordance with FCC regulations: WCDMA Bands 2/4/5; LTE Bands 2/4/5/7/12/13/14/25/26/30/38/41/42/43/48/66/71; NR Bands n2/n5/n7/n14/n25/n38/n41/n48/n66/n71/n77/n78.
Manual and specifications of the EUT were provided to fulfill the test.
Samples (EUT+AE) undergoing test were selected by the Client. Relevant information is provided by the client.

This report also serves as a record of X530(S1601),X530(S1504), X530(S1604), X530(S1502), X530(S1602), X530(S1503), X530(S1603), X530(S1510), X530(S1610), the tables below show all the differences between X530(S1501), X530(S1601), X530(S1504), X530(S1604), X530(S1502), X530(S1602), X530(S1503), X530(S1603), X530(S1510) and X530(S1610).

	SKU1 with knob		SKU2 without knob	Difference
HW	HW1- S1501, S1504, S1502, S1503, S1510 are same HW.		HW1- S1601, S1604, S1602, S1603, S1610 are same HW.	HW different in knob housing.
SW	SW1	S1501 and S1601 are same SW for carrier 1.		SW difference is only carrier customization and no RF features change.
	SW2	S1504 and S1604 are the same SW for carrier 2.		
	SW3	S1502 and S1602 are the same SW for carrier 3.		
	SW4	S1503 and S1603 are the same SW for carrier 4.		
	SW5	S1510 and S1610 are the same SW for carrier 5.		

X530(S1601) the following tests need to be performed:

NO.	Test item	EUT ID	Operating mode
1	Conducted Emission	UT23aa	Video Player
2	Radiated Emission	UT22aa	WCDMA receiver Band 5

Other results are cited from the initial report.

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	(10-1-2024 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 ℃, Max. = 35 ℃
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 ℃, Max. = 35 ℃
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	2.90dB(*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	00227733	ETS-Lindgren	2026.08.01	3 years
6.	LISN	ENV216	102067	R&S	2025.10.06	1 year
7.	LISN	ESH3-Z6	100501	R&S	2025.12.13	1 year
8.	LISN	ESH3-Z6	100506	R&S	2025.12.13	1 year
9.	Anechoic Chamber	FACT3-2.0	1285	ETS-Lindgren	2027.05.27	2 years
10.	Universal Radio Communication Tester	CMU200	114544	R&S	2025.08.27	1 year
11.	Universal Radio Communication Tester	CMW500	168719	R&S	2026.04.01	1 year
12.	Universal Radio Communication Tester	MT8821C	6272459665	Anritsu	2025.11.27	1 year
13.	Universal Radio Communication Tester	MT8000A	6272478348	Anritsu	2025.11.27	1 year
14.	Horn Antenna	QSH-SL-18-26-S-20	17013	Q-par	2026.02.01	3 years
15.	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.

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.

NR 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: WCDMA B5, LTE Band 5, LTE Band 12, LTE Band 13, LTE Band 14, LTE Band 26, LTE Band 71, NR SA n5, NR SA n71.

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

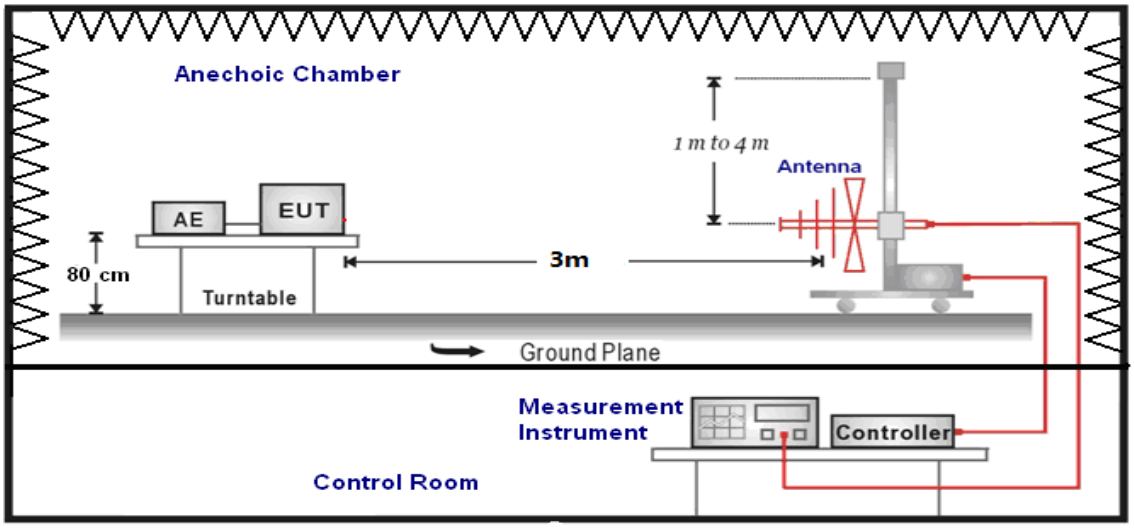
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

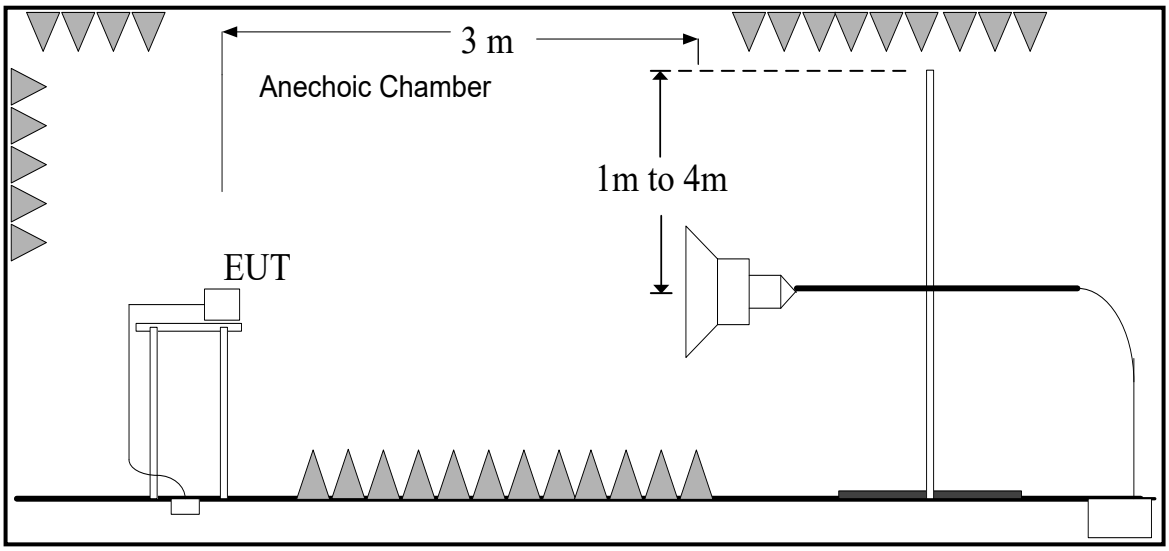
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

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) UT12aa/Set.1	Conclusion
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) UT12aa/Set.1	Conclusion
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) UT12aa/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) UT12aa/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.	

WCDMA receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/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) UT12aa/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.	

LTE receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/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) UT12aa/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 12

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/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) UT12aa/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) UT12aa/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) UT12aa/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 14

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/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) UT12aa/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.	

LTE receiver Band 26

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.1	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) UT12aa/Set.1	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.	

LTE receiver Band 71

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.1	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) UT12aa/Set.1	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.	

NR receiver SA n5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.1	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) UT12aa/Set.1	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.	

NR receiver SA n71

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.1	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) UT12aa/Set.1	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.	

Data Transfer: EUT TO PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.2	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.2	Conclusion
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 (dBμV/m)	Result (dBμV/m) UT12aa/Set.2	Conclusion
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 (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.2	Conclusion
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.	

Data Transfer: PC TO TF

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.2	Conclusion
30-88	40.00	See Figure A.1.53.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.54.	P
18000 to 26500	63.54	83.54	See Figure A.1.55.	
26500 to 40000	63.54	83.54	See Figure A.1.56.	

Data Transfer: TF TO PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.2	Conclusion
30-88	40.00	See Figure A.1.57.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT12aa/Set.2	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.58.	P
18000 to 26500	63.54	83.54	See Figure A.1.59.	
26500 to 40000	63.54	83.54	See Figure A.1.60.	

WCDMA receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT22aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.61.	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) UT22aa/Set.1	Conclusion
1000 to 18000	54.00	74.00	See Figure A.1.62.	P
18000 to 26500	63.54	83.54	See Figure A.1.63.	
26500 to 40000	63.54	83.54	See Figure A.1.64.	

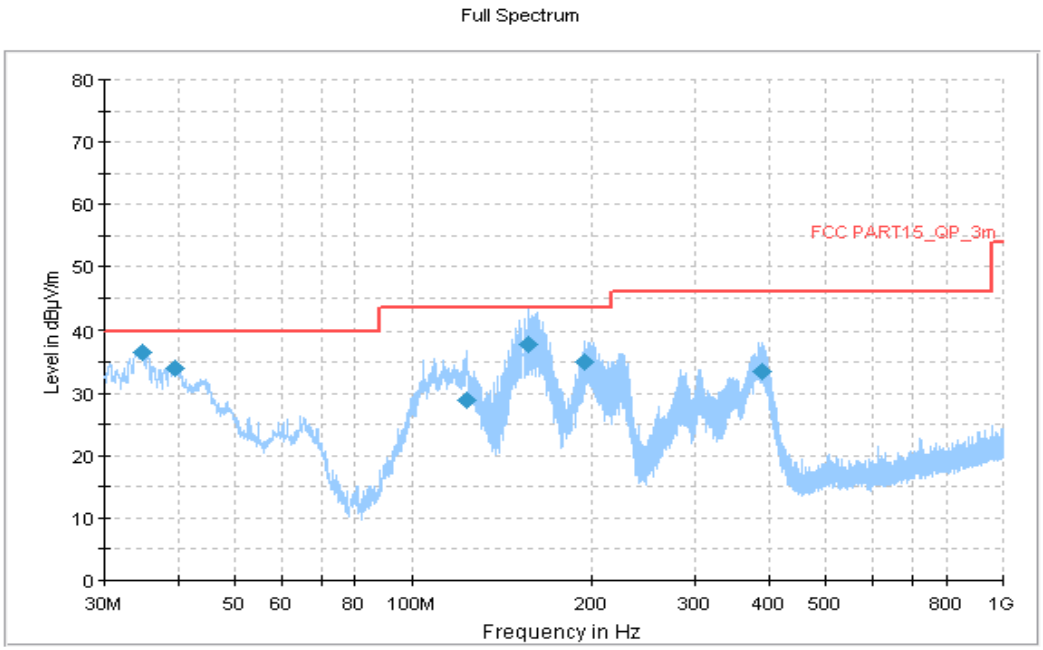


Figure A.1.1. Radiated Emission (Camera, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
34.850000	36.49	40.00	3.51	V	-20.0	56.49
39.646111	33.95	40.00	6.05	V	-22.8	56.75
123.712778	28.81	43.52	14.71	V	-24.5	53.31
156.046111	37.88	43.52	5.64	H	-26.5	64.38
194.684444	34.98	43.52	8.54	H	-26.7	61.68
389.600556	33.47	46.02	12.55	V	-19.0	52.47

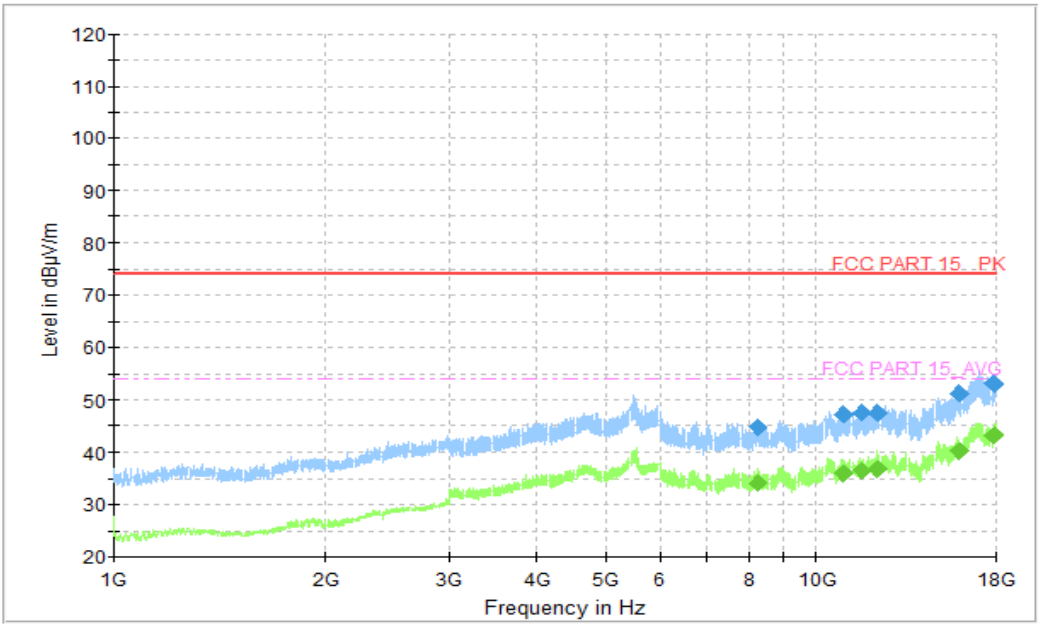


Figure A.1.2. Radiated Emission (Camera, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8271.230769	44.90	74.00	29.10	H	6.0	38.90
10932.000000	47.37	74.00	26.63	H	9.5	37.87
11618.769231	47.45	74.00	26.55	V	9.9	37.55
12245.076923	47.61	74.00	26.39	V	10.9	36.71
15968.769231	51.26	74.00	22.74	V	14.1	37.16
17905.846154	53.16	74.00	20.84	H	18.8	34.36

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8271.230769	33.96	54.00	20.04	H	6.0	27.96
10932.000000	35.99	54.00	18.01	H	9.5	26.49
11618.769231	36.50	54.00	17.50	V	9.9	26.60
12245.076923	36.76	54.00	17.24	V	10.9	25.86
15968.769231	40.16	54.00	13.84	V	14.1	26.06
17905.846154	43.16	54.00	10.84	H	18.8	24.36

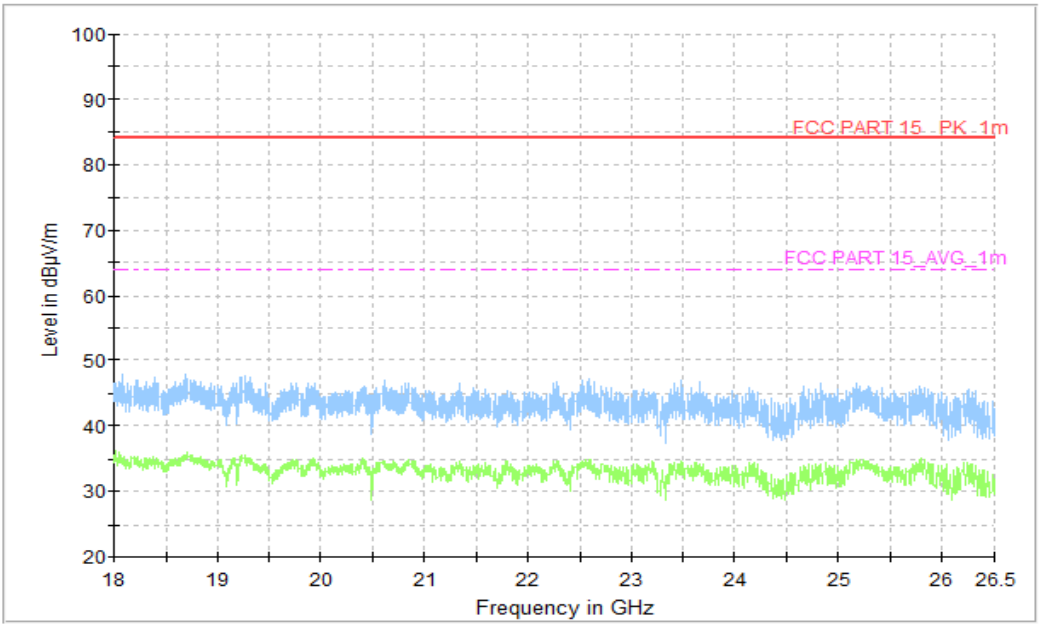


Figure A.1.3. Radiated Emission (Camera , 18GHz to 26.5GHz)

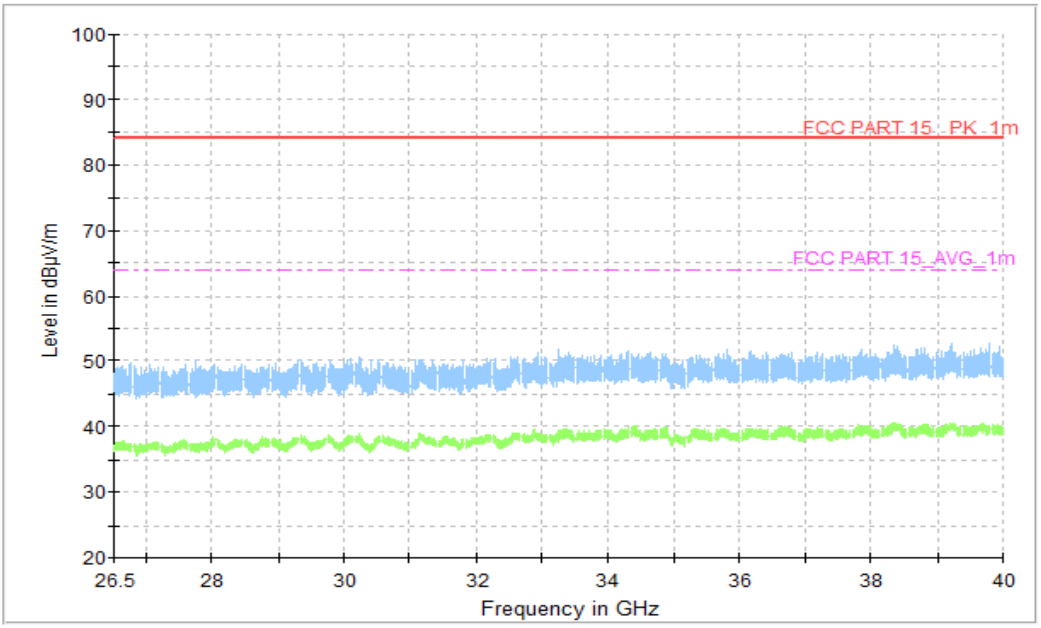


Figure A.1.4. Radiated Emission (Camera , 26.5GHz to 40GHz)

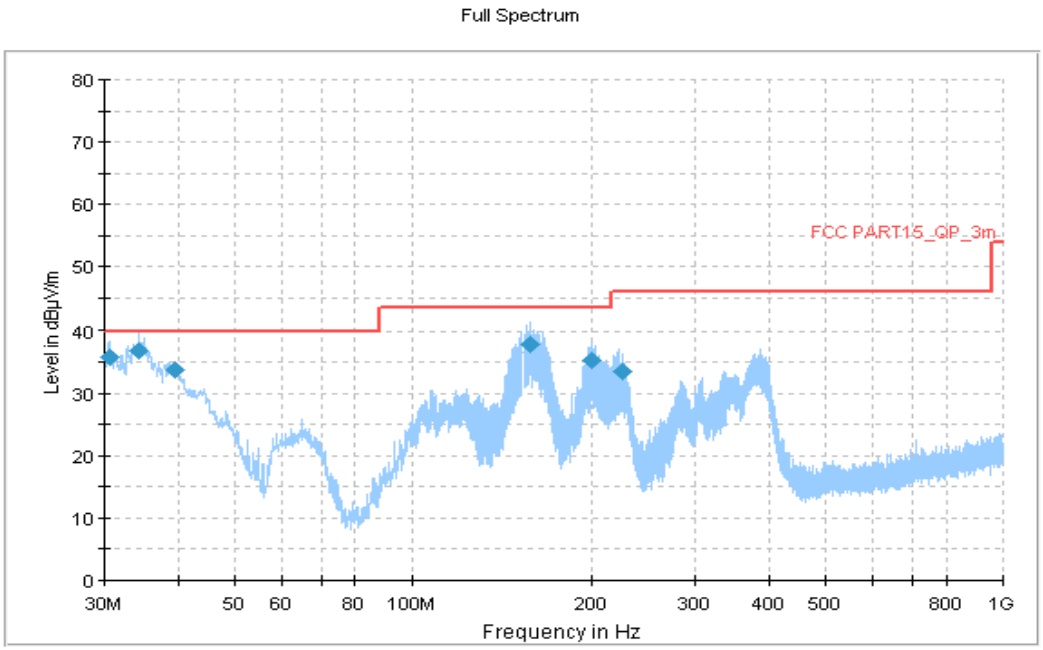


Figure A.1.5. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.862222	35.89	40.00	4.11	V	-17.9	53.79
34.149444	36.49	40.00	3.51	V	-19.6	56.09
39.753889	34.15	40.00	5.85	V	-22.9	57.05
108.462222	30.15	43.52	13.37	V	-24.3	54.45
154.537222	36.91	43.52	6.61	H	-26.4	63.31
202.713889	36.25	43.52	7.27	H	-25.9	62.15

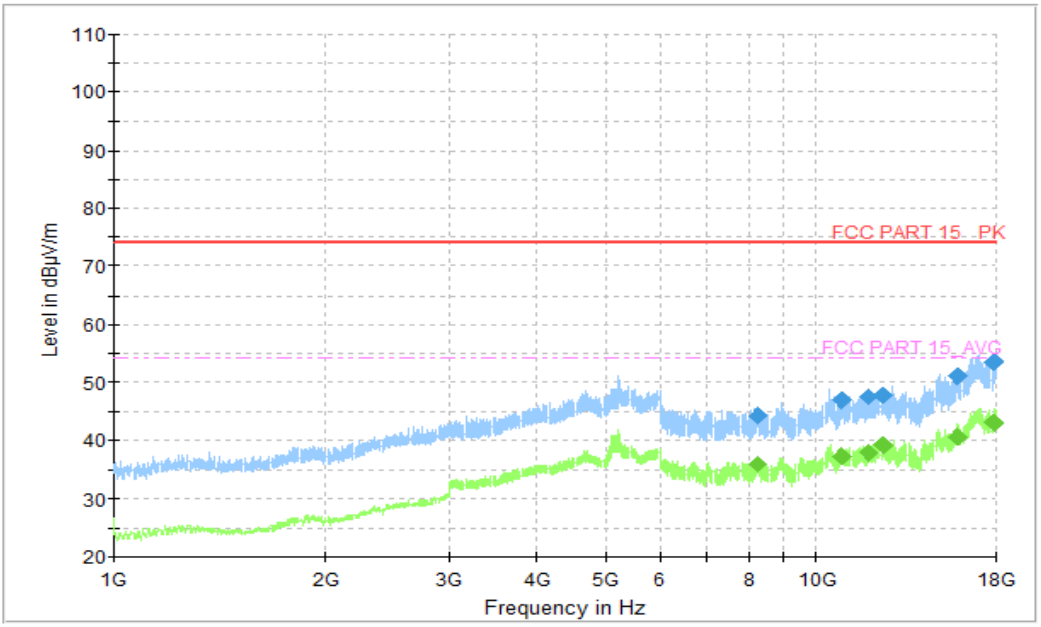


Figure A.1.6. Radiated Emission (Video Player, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8262.923077	44.35	74.00	29.65	V	5.9	38.45
10843.384615	46.92	74.00	27.08	V	9.2	37.72
11866.615385	47.58	74.00	26.42	H	10.1	37.48
12451.384615	47.79	74.00	26.21	H	11.4	36.39
15872.307692	51.01	74.00	22.99	V	14.0	37.01
17935.846154	53.69	74.00	20.31	H	19.0	34.69

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8262.923077	35.89	54.00	18.11	V	5.9	29.99
10843.384615	37.27	54.00	16.73	V	9.2	28.07
11866.615385	37.83	54.00	16.17	H	10.1	27.73
12451.384615	39.13	54.00	14.87	H	11.4	27.73
15872.307692	40.76	54.00	13.24	V	14.0	26.76
17935.846154	43.08	54.00	10.92	H	19.0	24.08

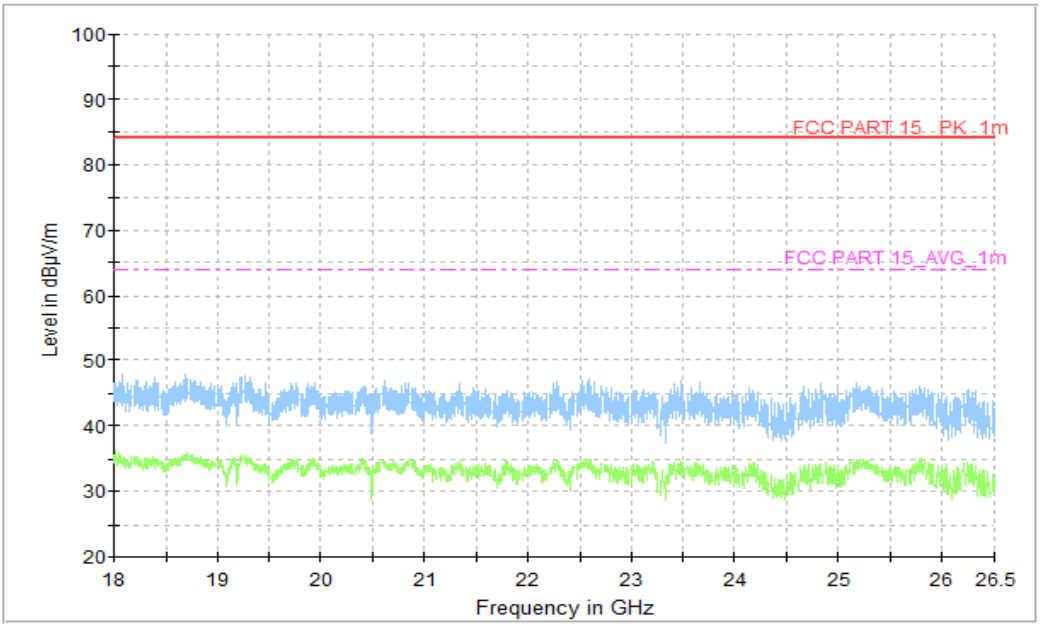


Figure A.1.7. Radiated Emission (Video Player , 18GHz to 26.5GHz)

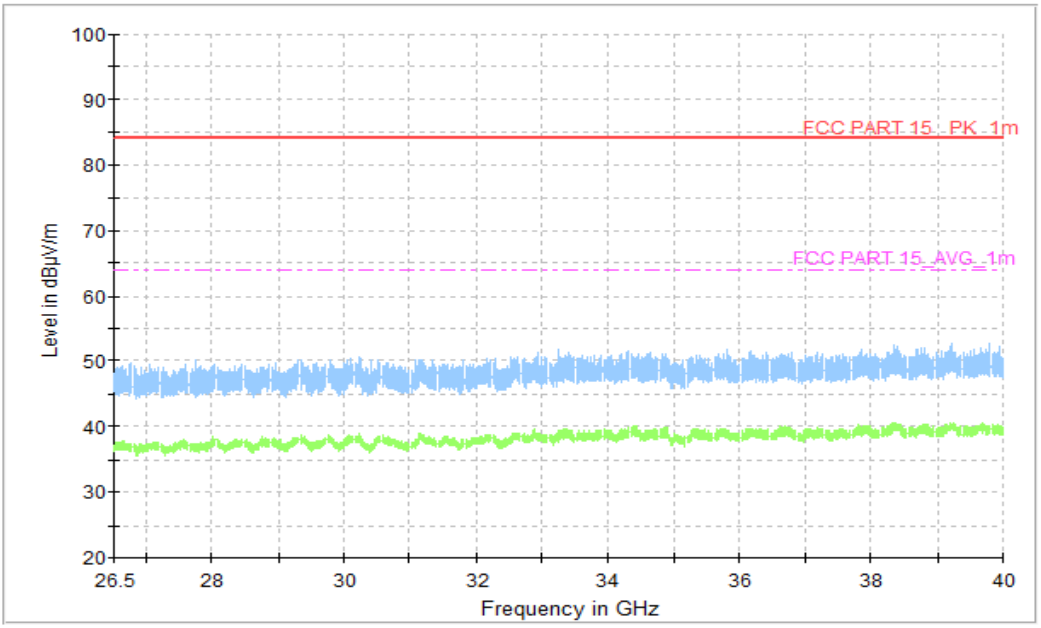


Figure A.1.8. Radiated Emission (Video Player , 26.5GHz to 40GHz)

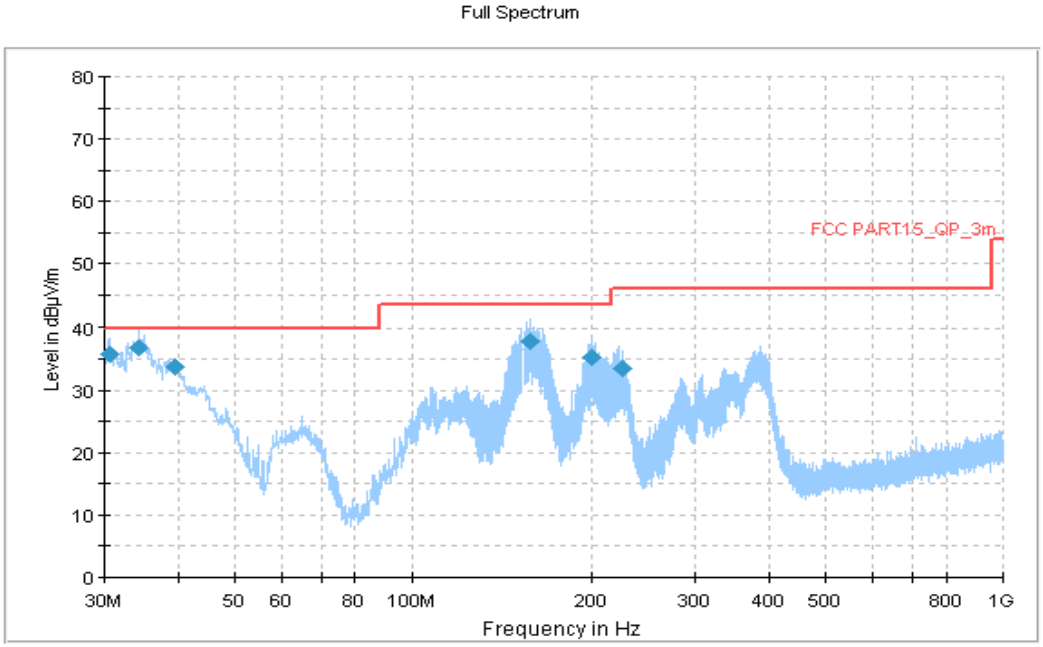


Figure A.1.9. Radiated Emission (WCDMA receiver Band5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.538889	35.88	40.00	4.12	V	-17.7	53.58
34.311111	36.69	40.00	3.31	V	-19.7	56.39
39.484444	33.83	40.00	6.17	V	-22.7	56.53
157.501111	37.80	43.52	5.72	H	-26.4	64.20
200.450556	35.24	43.52	8.28	H	-26.0	61.24
225.347222	33.55	46.02	12.47	H	-25.3	58.85

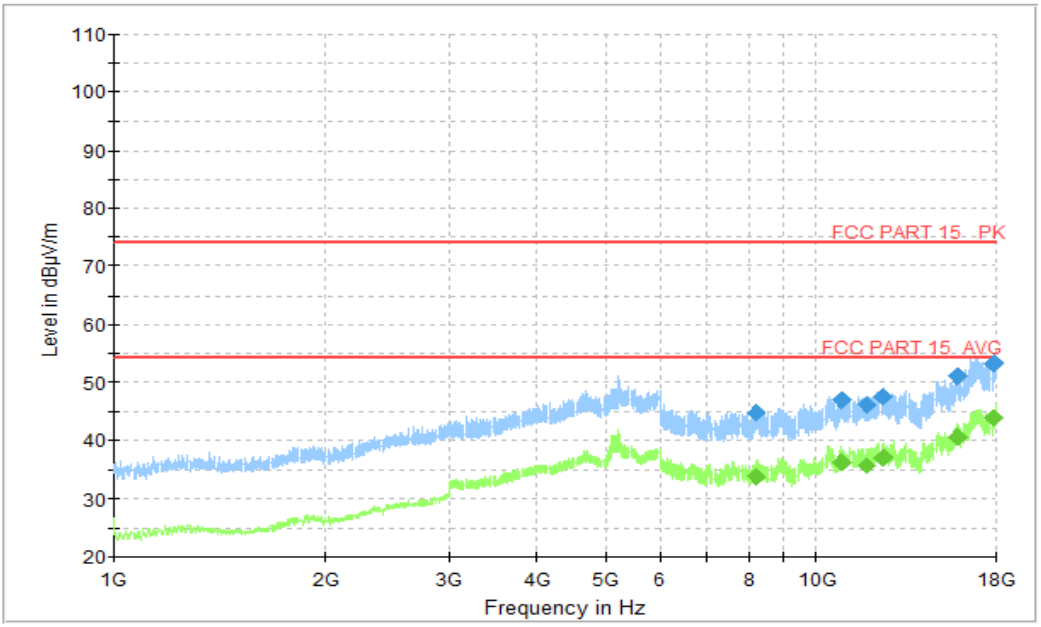


Figure A.1.10. Radiated Emission (WCDMA receiver Band5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8228.769231	44.64	74.00	29.36	V	5.9	51.30
10884.923077	47.08	74.00	26.92	V	9.3	50.00
11827.384615	46.25	74.00	27.75	V	10.0	48.20
12423.230769	47.53	74.00	26.47	H	11.4	46.90
15929.538462	51.12	74.00	22.88	V	14.1	46.40
17938.153846	53.44	74.00	20.56	H	19.0	43.70

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8228.769231	33.68	54.00	20.32	V	5.9	38.30
10884.923077	36.11	54.00	17.89	V	9.3	37.60
11827.384615	35.73	54.00	18.27	V	10.0	34.90
12423.230769	37.06	54.00	16.94	H	11.4	33.10
15929.538462	40.63	54.00	13.37	V	14.1	32.60
17938.153846	43.87	54.00	10.13	H	19.0	30.90

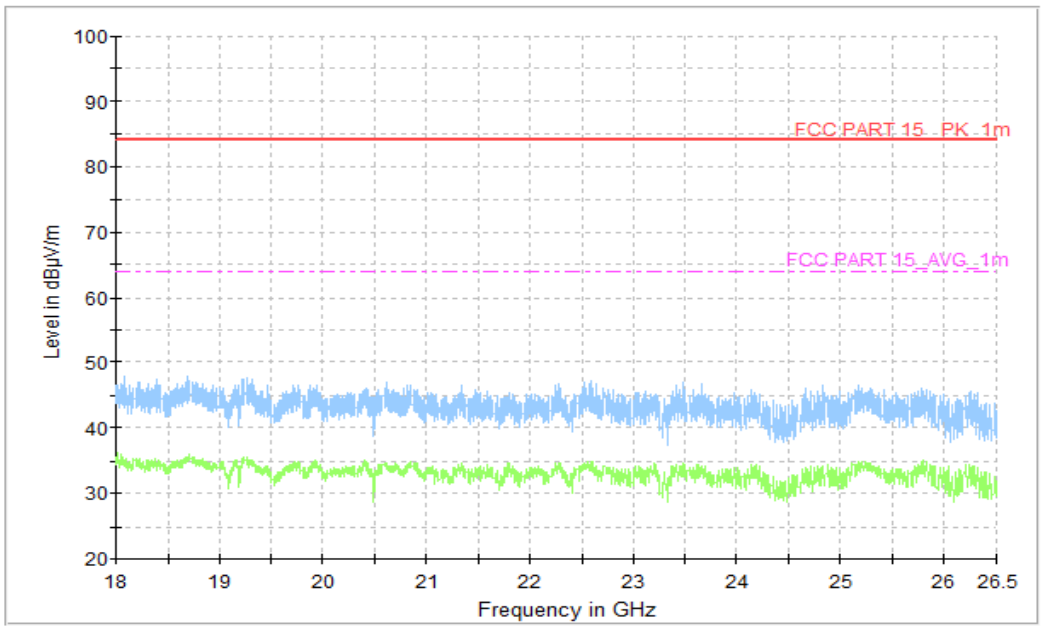


Figure A.1.11. Radiated Emission (WCDMA receiver Band5, 18GHz to 26.5GHz)

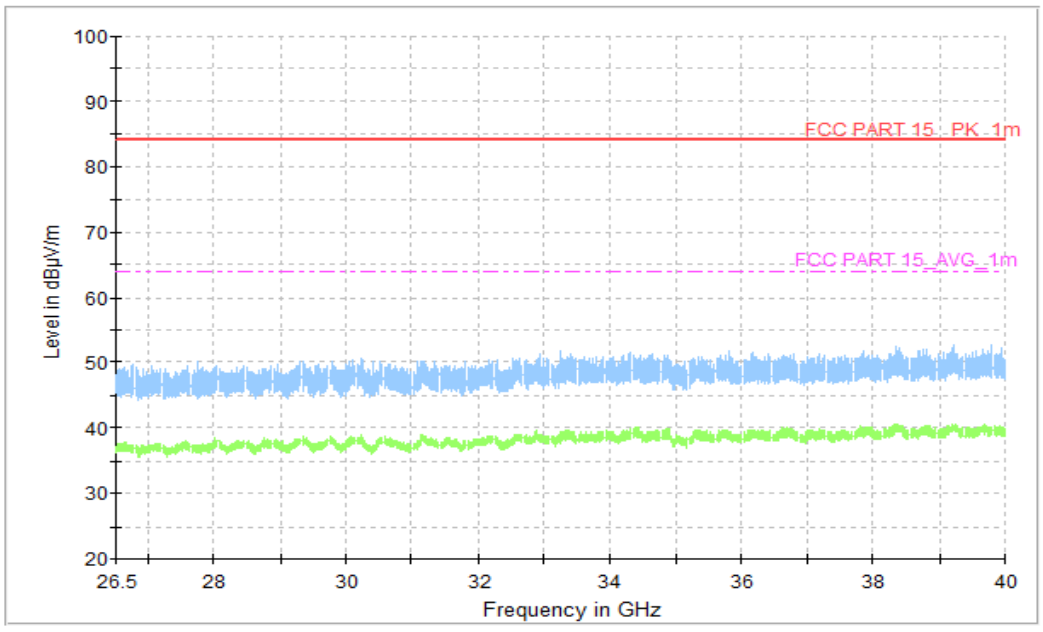


Figure A.1.12. Radiated Emission (WCDMA receiver Band5, 26.5GHz to 40GHz)

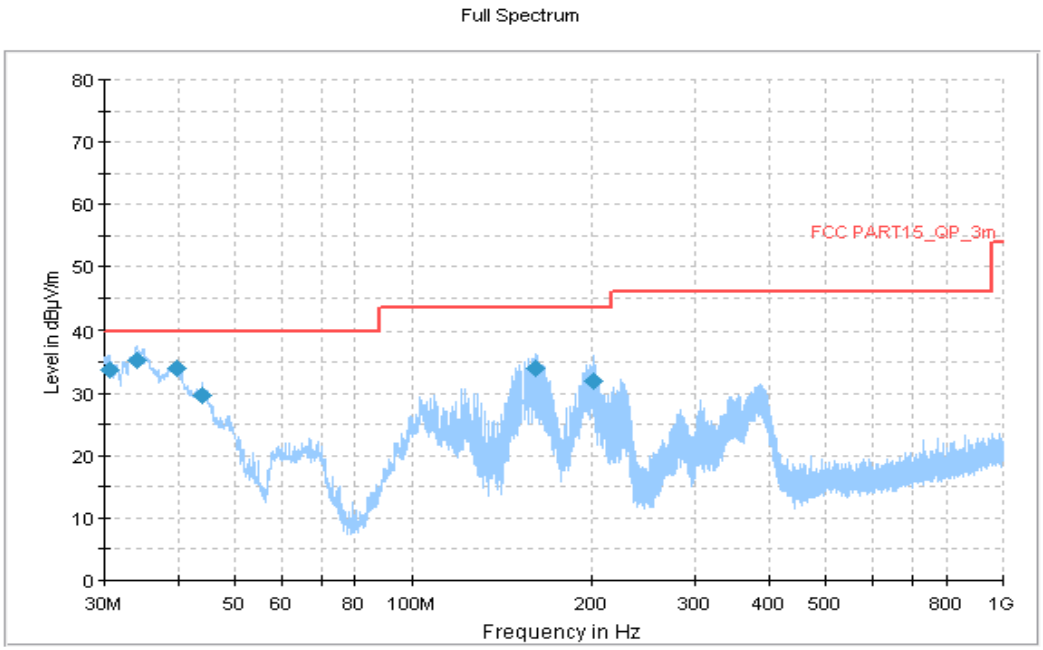


Figure A.1.13. Radiated Emission (LTE receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.592778	33.82	40.00	6.18	V	-17.7	51.52
33.987778	35.25	40.00	4.75	V	-19.6	54.85
39.700000	33.98	40.00	6.02	V	-22.8	56.78
43.957222	29.70	40.00	10.30	V	-25.5	55.20
160.303333	33.97	43.52	9.55	H	-26.4	60.37
202.282778	31.85	43.52	11.67	H	-25.9	57.75

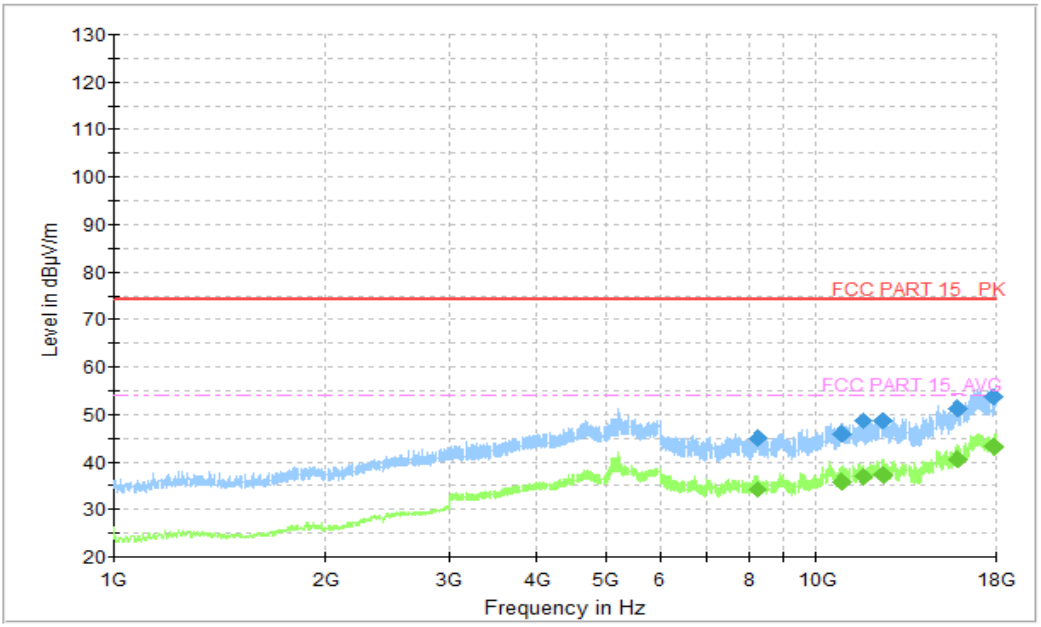


Figure A.1.14. Radiated Emission (LTE receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8269.846154	44.89	74.00	29.11	H	5.9	38.99
10870.153846	46.07	74.00	27.93	V	9.3	36.77
11644.615385	48.56	74.00	25.44	V	9.9	38.66
12434.769231	48.52	74.00	25.48	H	11.4	37.12
15911.538462	51.29	74.00	22.71	H	14.1	37.19
17922.461539	53.75	74.00	20.25	V	18.9	34.85

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8269.846154	34.17	54.00	19.83	H	5.9	28.27
10870.153846	35.83	54.00	18.17	V	9.3	26.53
11644.615385	36.76	54.00	17.24	V	9.9	26.86
12434.769231	37.22	54.00	16.78	H	11.4	25.82
15911.538462	40.68	54.00	13.32	H	14.1	26.58
17922.461539	43.23	54.00	10.77	V	18.9	24.33

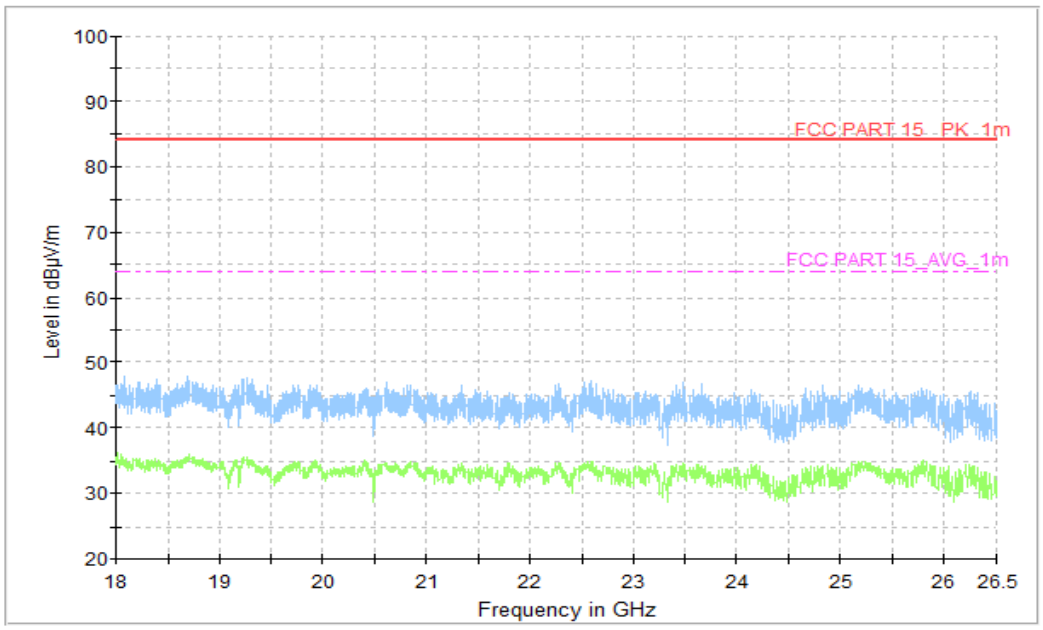


Figure A.1.15. Radiated Emission (LTE receiver Band 5 , 18GHz to 26.5GHz)

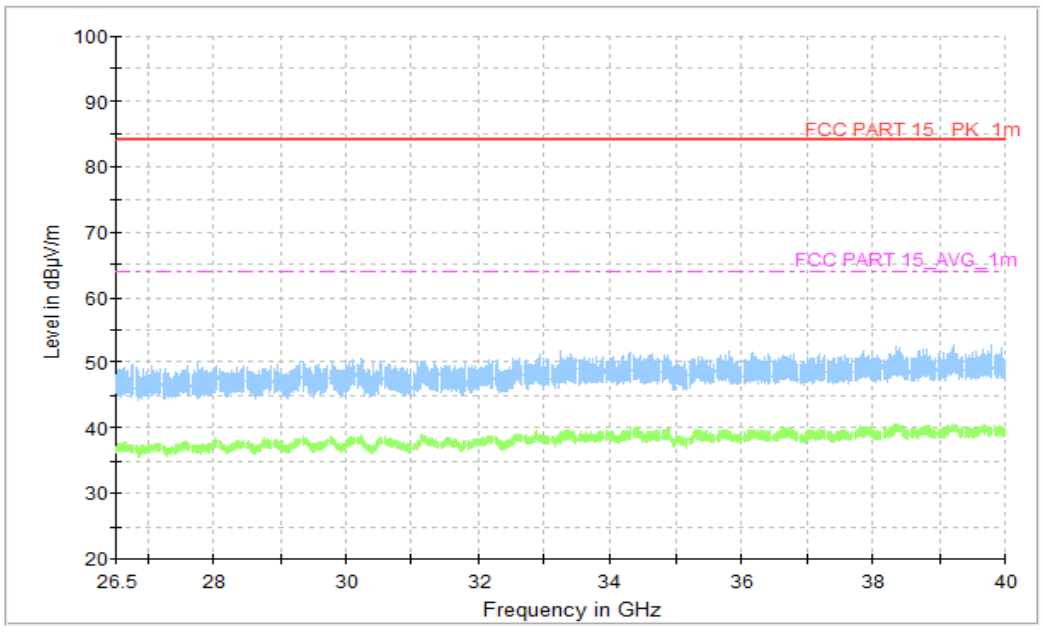


Figure A.1.16. Radiated Emission (LTE receiver Band 5 , 26.5GHz to 40GHz)

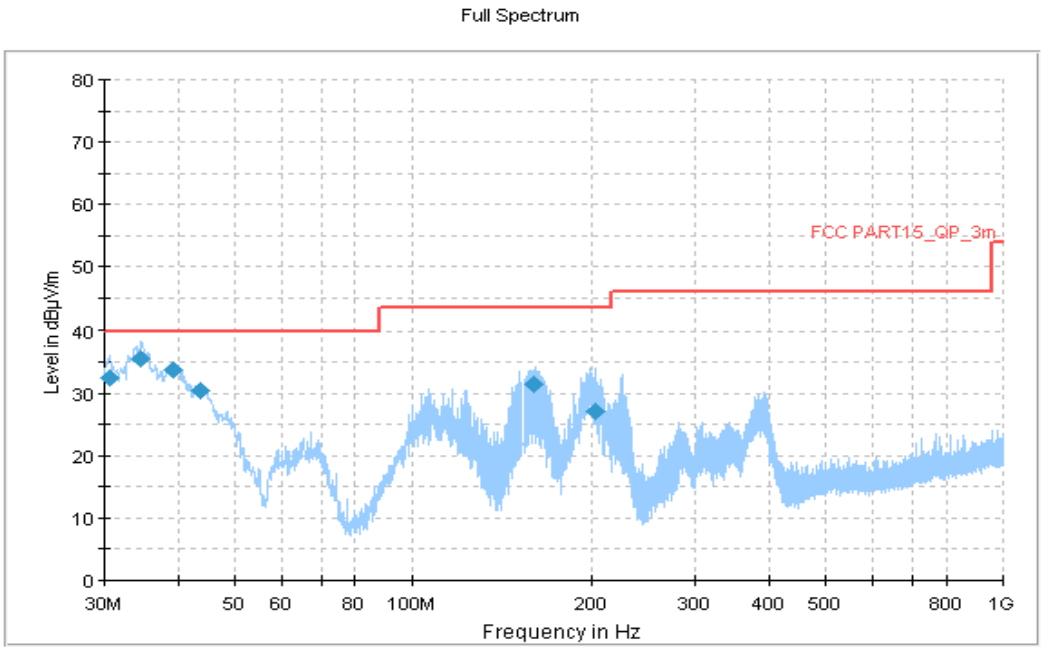


Figure A.1.17. Radiated Emission (LTE receiver Band 12, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.592778	32.58	40.00	7.42	V	-17.7	50.28
34.634444	35.50	40.00	4.50	V	-19.9	55.4
39.268889	33.66	40.00	6.34	V	-22.6	56.26
43.526111	30.37	40.00	9.63	V	-25.2	55.57
159.387222	31.54	43.52	11.98	H	-26.3	57.84
202.713889	27.16	43.52	16.36	H	-25.9	53.06

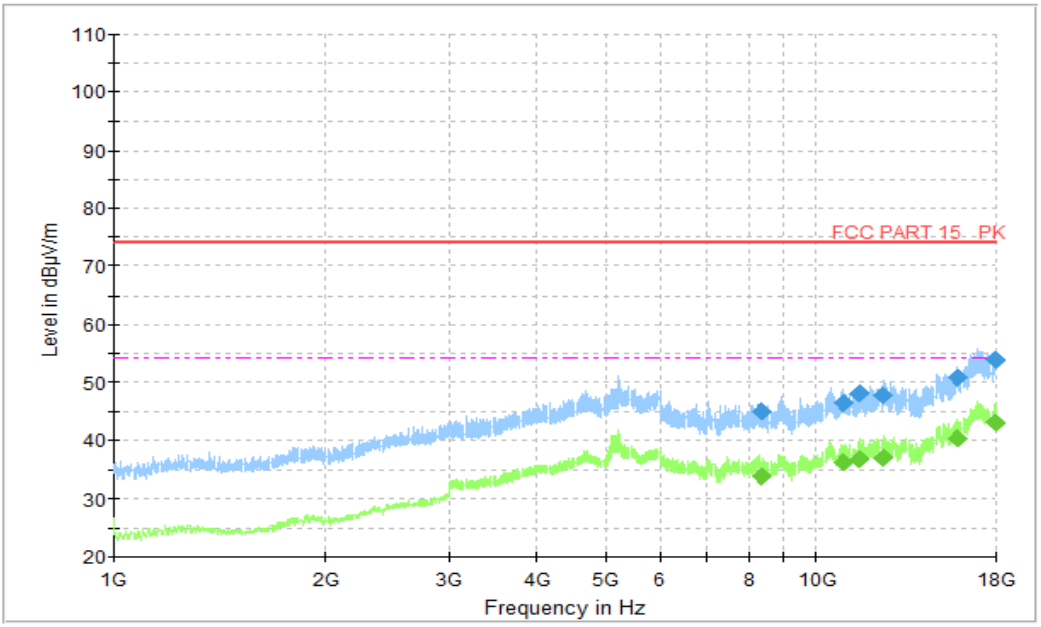


Figure A.1.18. Radiated Emission (LTE receiver Band 12, 1GHz to 18GHz)

Final_Results_PK

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

Final_Results_AVG

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

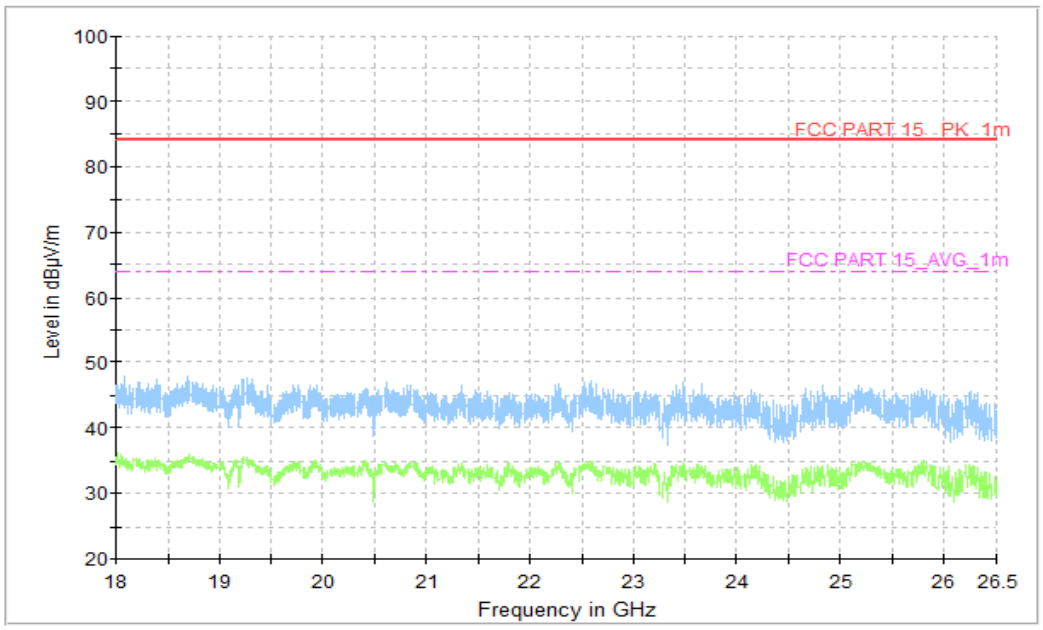


Figure A.1.19. Radiated Emission (LTE receiver Band 12, 18GHz to 26.5GHz)

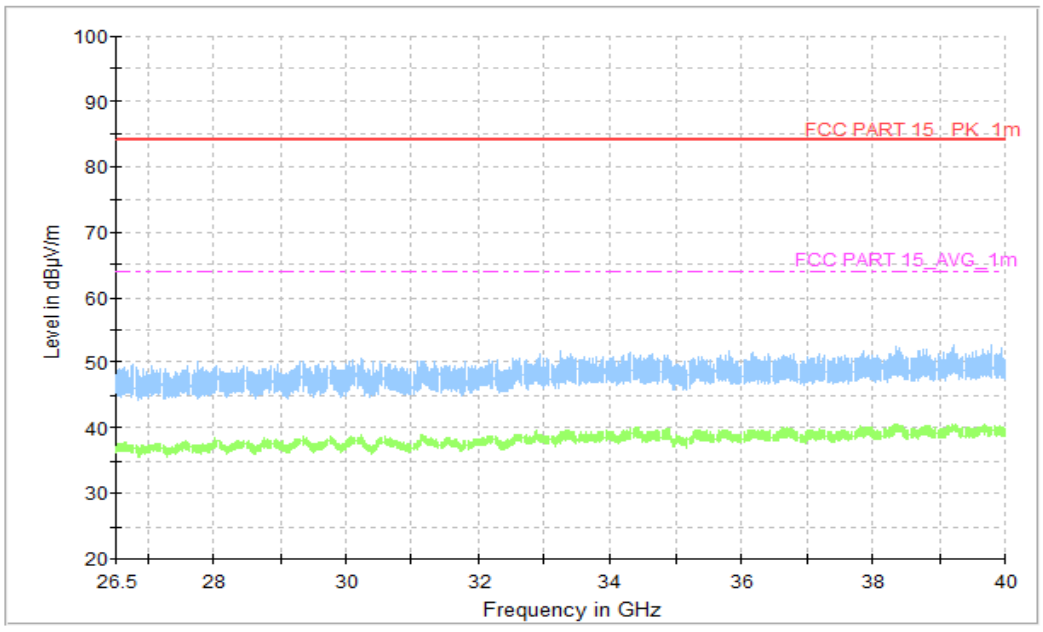


Figure A.1.20. Radiated Emission (LTE receiver Band 12, 26.5GHz to 40GHz)

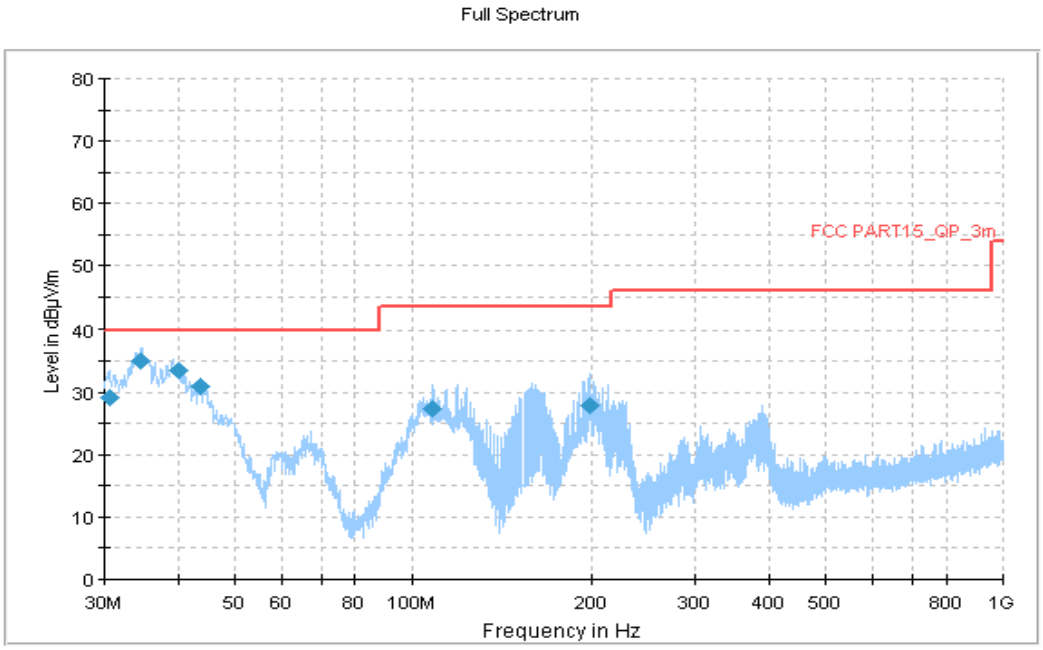


Figure A.1.21. Radiated Emission (LTE receiver Band 13, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.592778	29.04	40.00	10.96	V	-17.7	46.74
34.688333	34.90	40.00	5.10	V	-19.9	54.8
40.023333	33.54	40.00	6.46	V	-23.0	56.54
43.795556	30.95	40.00	9.05	V	-25.4	56.35
108.192778	27.23	43.52	16.29	V	-24.3	51.53
199.157222	27.87	43.52	15.65	H	-26.3	54.17

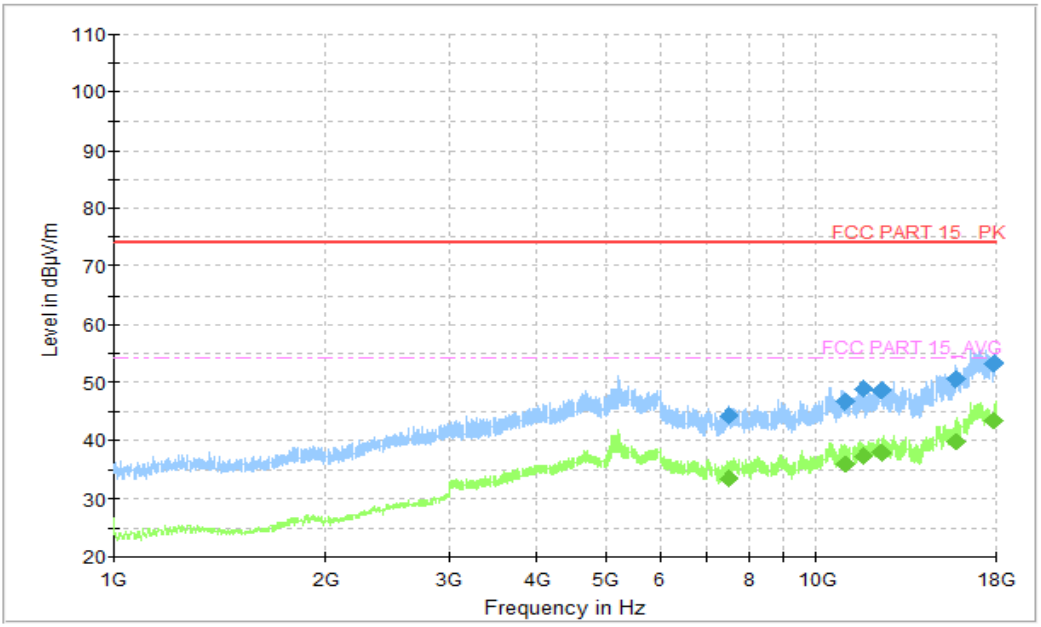


Figure A.1.22. Radiated Emission (LTE receiver Band 13, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7506.923077	44.29	74.00	29.71	H	5.7	38.59
10965.230769	46.76	74.00	27.24	V	9.6	37.16
11646.000000	48.78	74.00	25.22	H	9.9	38.88
12394.153846	48.76	74.00	25.24	H	11.3	37.46
15807.692308	50.47	74.00	23.53	H	14.0	36.47
17906.307692	53.25	74.00	20.75	V	18.8	34.45

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7506.923077	33.55	54.00	20.45	H	5.7	27.85
10965.230769	36.07	54.00	17.93	V	9.6	26.47
11646.000000	37.29	54.00	16.71	H	9.9	27.39
12394.153846	37.85	54.00	16.15	H	11.3	26.55
15807.692308	39.69	54.00	14.31	H	14.0	25.69
17906.307692	43.27	54.00	10.73	V	18.8	24.47

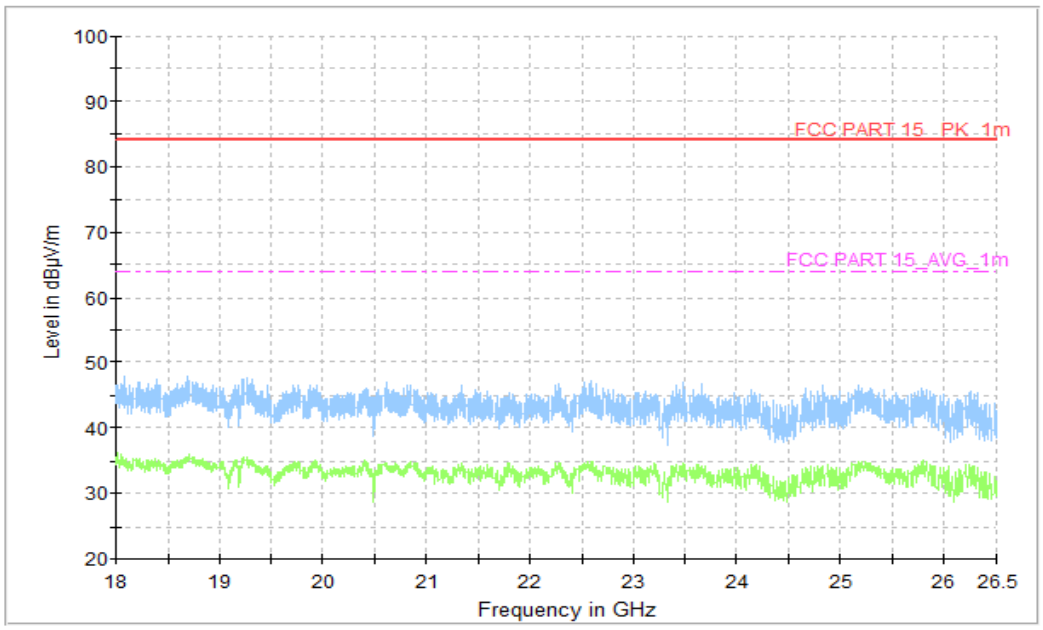


Figure A.1.23. Radiated Emission (LTE receiver Band 13, 18GHz to 26.5GHz)

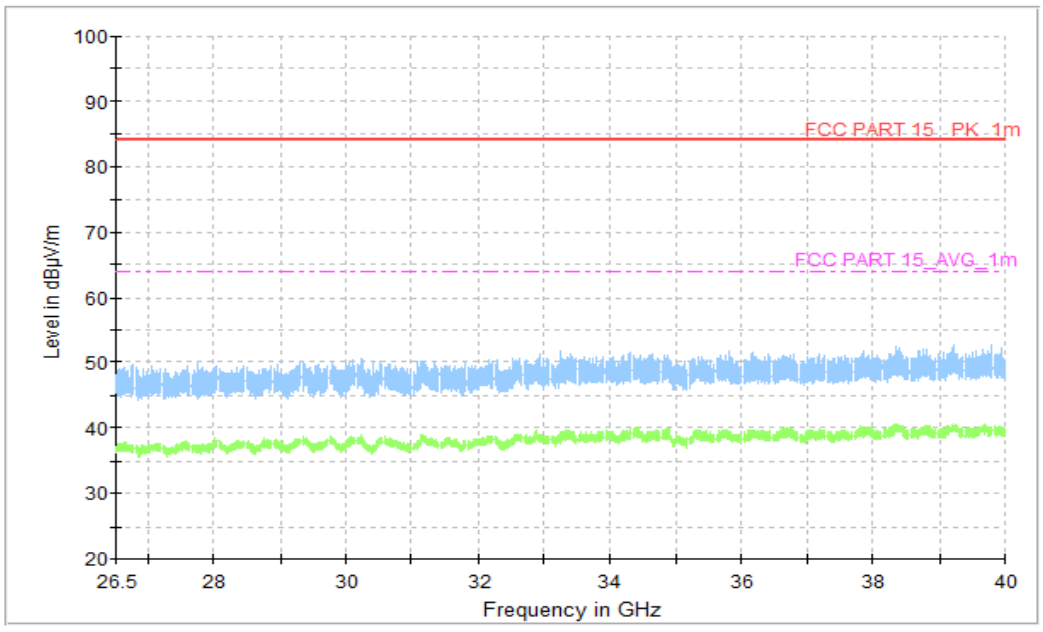


Figure A.1.24. Radiated Emission (LTE receiver Band 13, 26.5GHz to 40GHz)

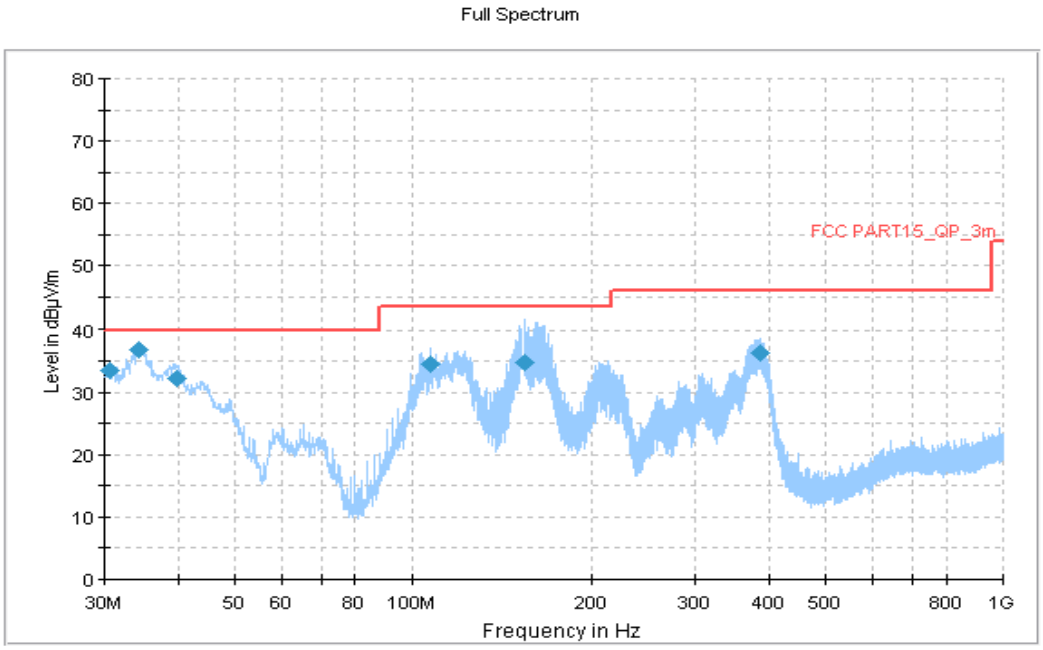


Figure A.1.25. Radiated Emission (LTE receiver Band 14, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.700556	33.46	40.00	6.54	V	-17.8	51.26
34.418889	36.77	40.00	3.23	V	-19.8	56.57
39.700000	32.24	40.00	7.76	V	-22.8	55.04
107.492222	34.46	43.52	9.06	V	-24.3	58.76
153.944444	34.84	43.52	8.68	V	-26.4	61.24
388.037778	36.35	46.02	9.67	H	-19.1	55.45

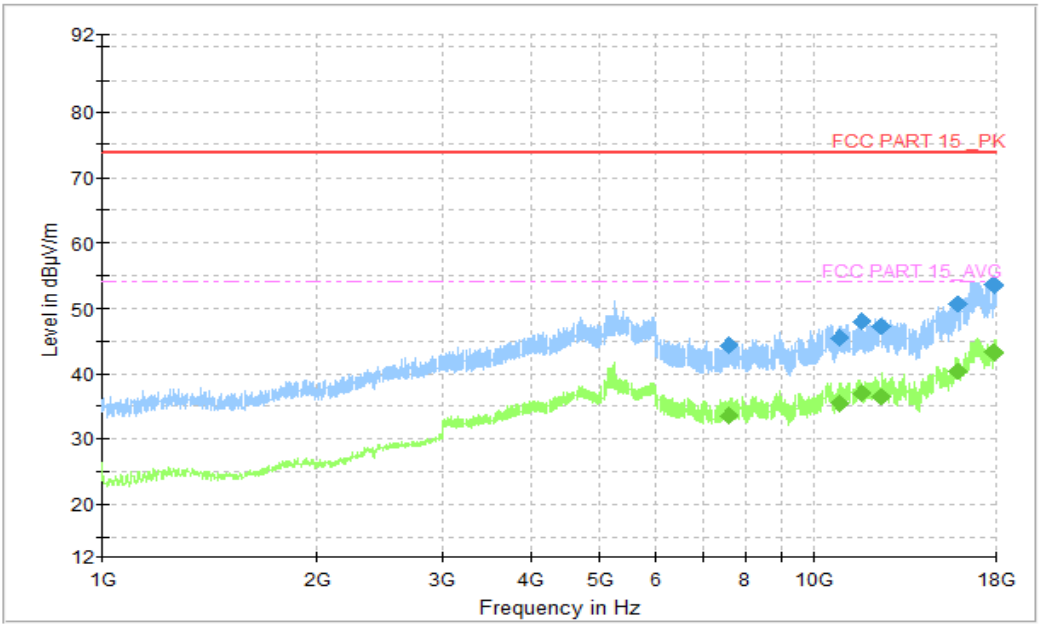


Figure A.1.26. Radiated Emission (LTE receiver Band 14, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7599.230769	44.39	74.00	29.61	H	5.7	38.69
10845.230769	45.54	74.00	28.46	H	9.2	36.34
11638.153846	47.91	74.00	26.09	V	9.9	38.01
12416.769231	47.29	74.00	26.71	V	11.4	35.89
15903.230769	50.68	74.00	23.32	H	14.1	36.58
17913.692308	53.62	74.00	20.38	H	18.9	34.72

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7599.230769	33.54	54.00	20.46	H	5.7	27.84
10845.230769	35.57	54.00	18.43	H	9.2	26.37
11638.153846	36.87	54.00	17.13	V	9.9	26.97
12416.769231	36.41	54.00	17.59	V	11.4	25.01
15903.230769	40.41	54.00	13.59	H	14.1	26.31
17913.692308	43.41	54.00	10.59	H	18.9	24.51

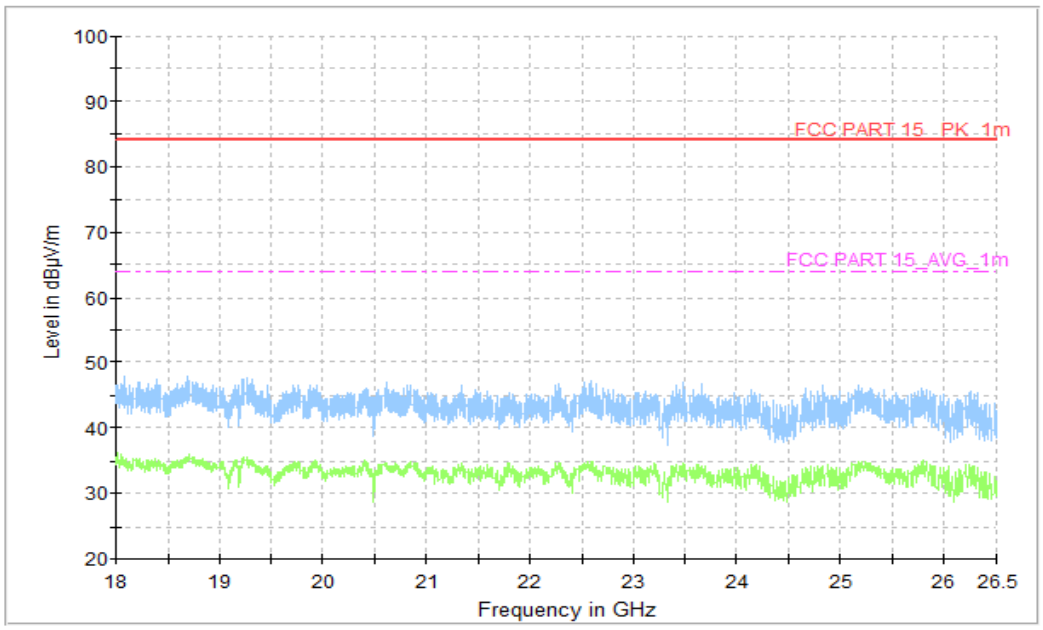


Figure A.1.27. Radiated Emission (LTE receiver Band 14, 18GHz to 26.5GHz)

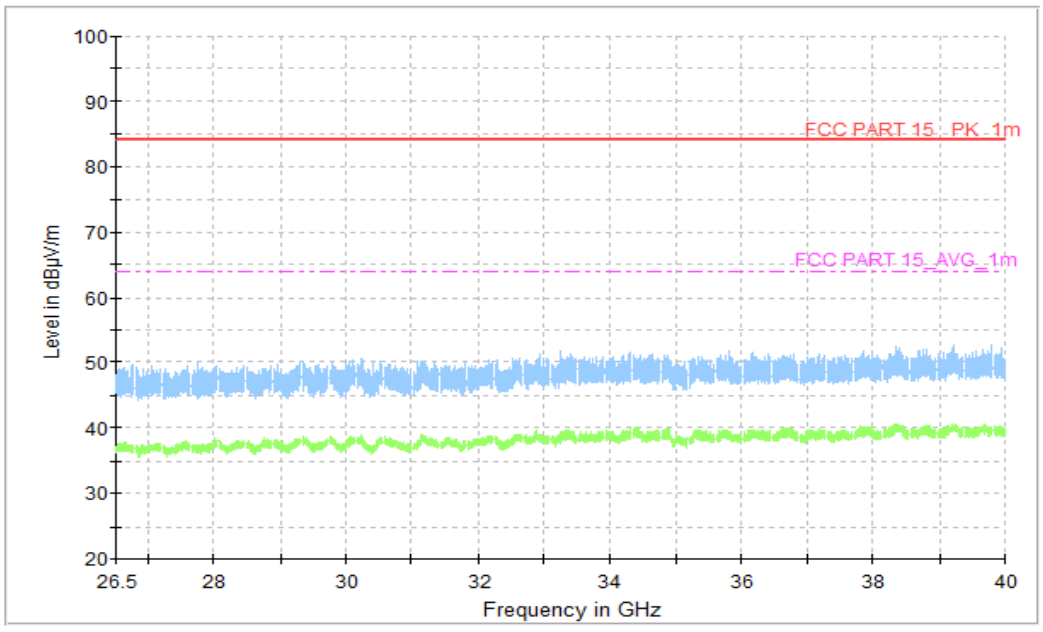


Figure A.1.28. Radiated Emission (LTE receiver Band 14, 26.5GHz to 40GHz)

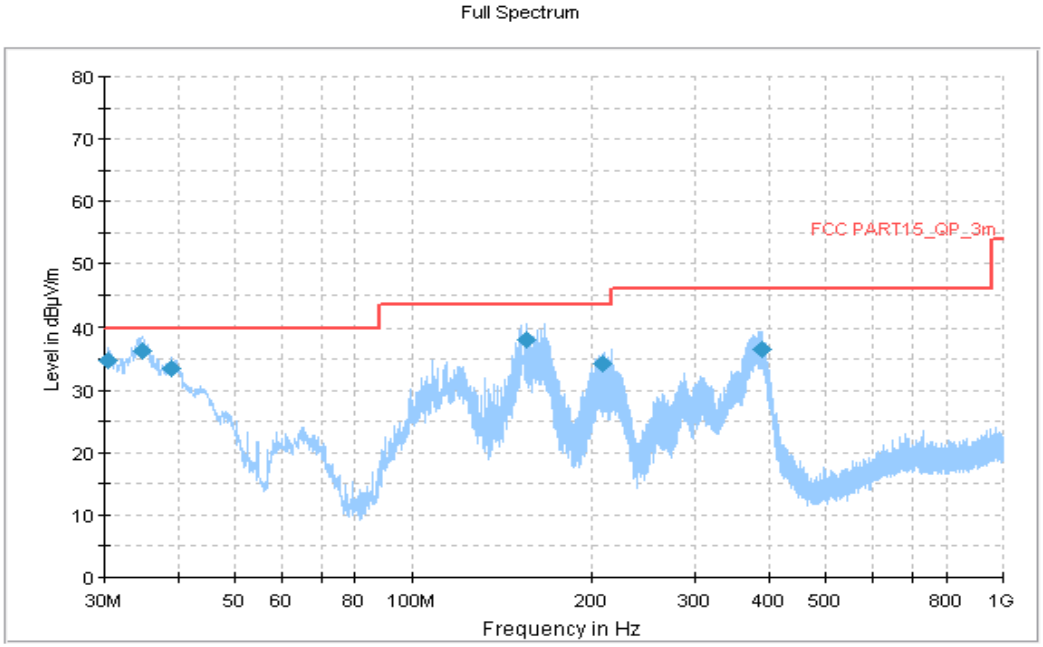


Figure A.1.29. Radiated Emission (LTE receiver Band 26, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.431111	34.72	40.00	5.28	V	-17.6	52.32
34.903889	36.20	40.00	3.80	V	-20.0	56.2
38.999444	33.47	40.00	6.53	V	-22.4	55.87
155.453333	37.97	43.52	5.55	V	-26.4	64.37
208.857222	34.37	43.52	9.15	H	-25.7	60.07
389.654444	36.60	46.02	9.42	H	-19.0	55.60

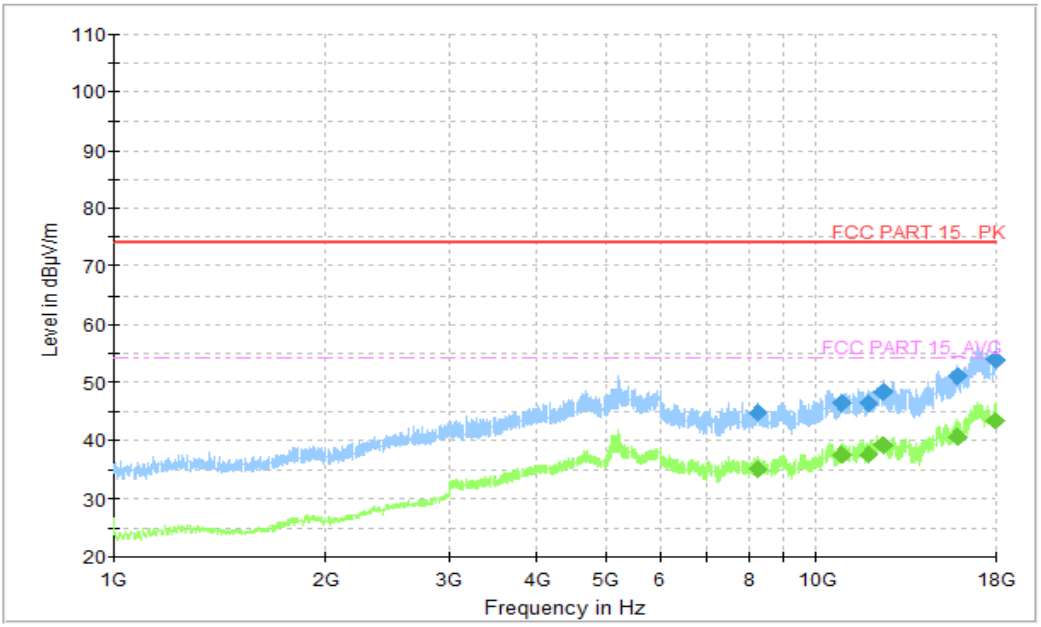


Figure A.1.30. Radiated Emission (LTE receiver Band 26, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8262.000000	44.66	74.00	29.34	H	5.9	38.76
10869.230769	46.33	74.00	27.67	H	9.3	37.03
11867.076923	46.53	74.00	27.47	H	10.1	36.43
12460.615385	48.32	74.00	25.68	V	11.4	36.92
15863.076923	51.02	74.00	22.98	V	14.0	37.02
17996.307692	53.86	74.00	20.14	V	19.2	34.66

Final_Results_AVG

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

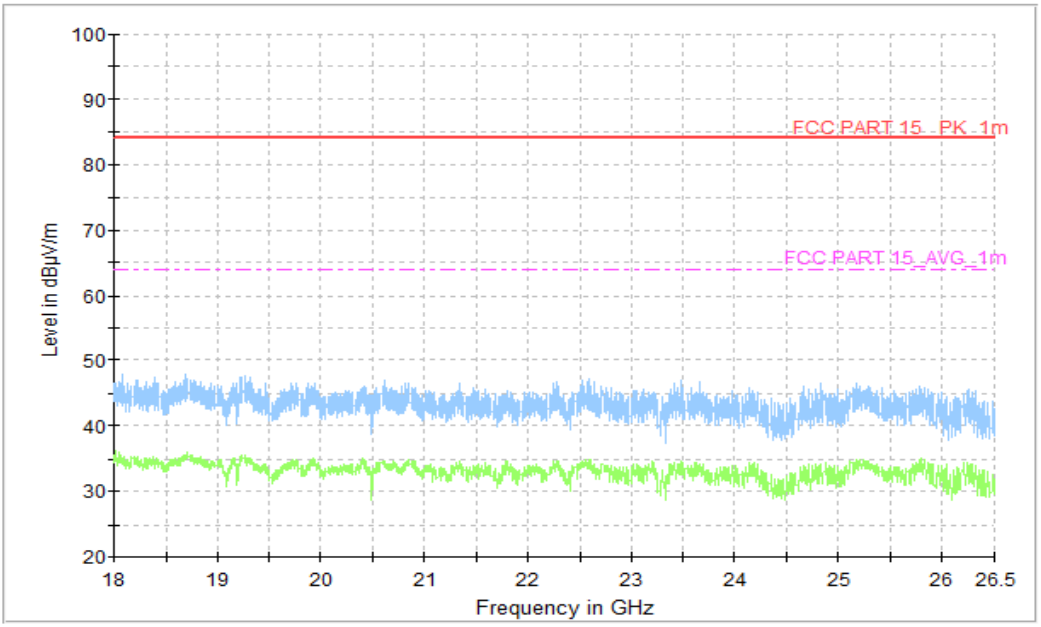


Figure A.1.31. Radiated Emission (LTE receiver Band 26, 18GHz to 26.5GHz)

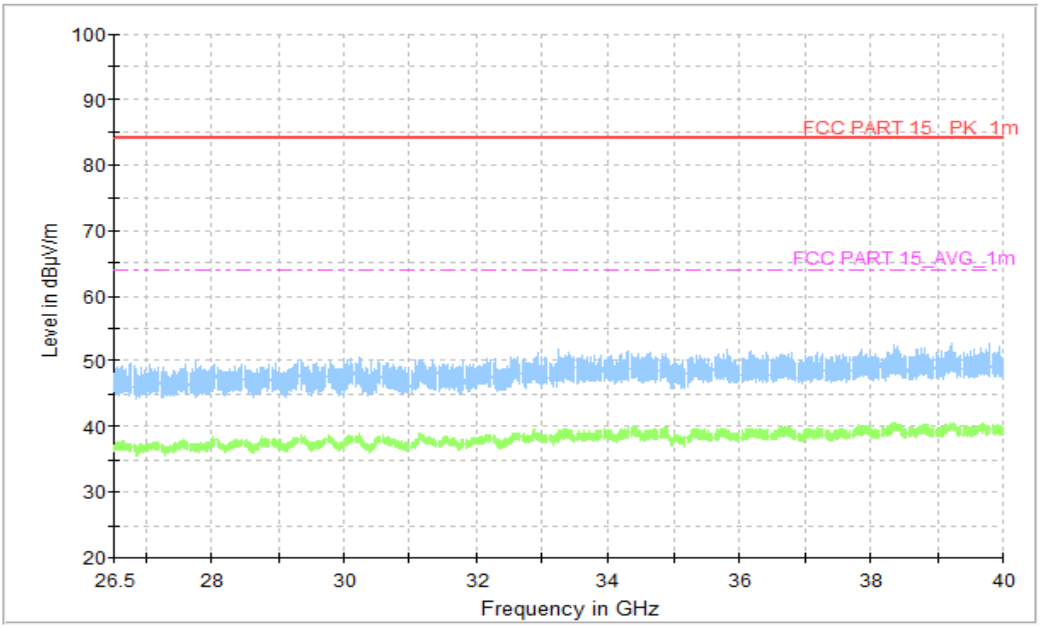


Figure A.1.32. Radiated Emission (LTE receiver Band 26, 26.5GHz to 40GHz)

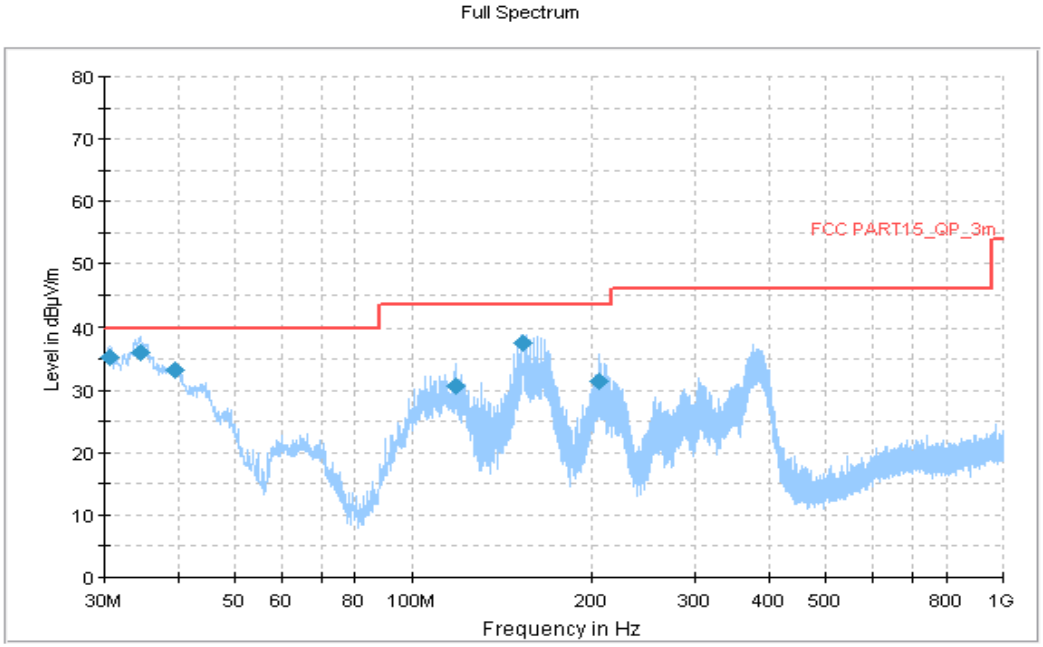


Figure A.1.33. Radiated Emission (LTE receiver Band 71, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.592778	35.21	40.00	4.79	V	-17.7	52.91
34.526667	36.08	40.00	3.92	V	-19.8	55.88
39.430556	33.24	40.00	6.76	V	-22.7	55.94
118.755000	30.69	43.52	12.83	V	-24.2	54.89
153.351667	37.57	43.52	5.95	V	-26.4	63.97
206.001111	31.54	43.52	11.98	H	-25.7	57.24

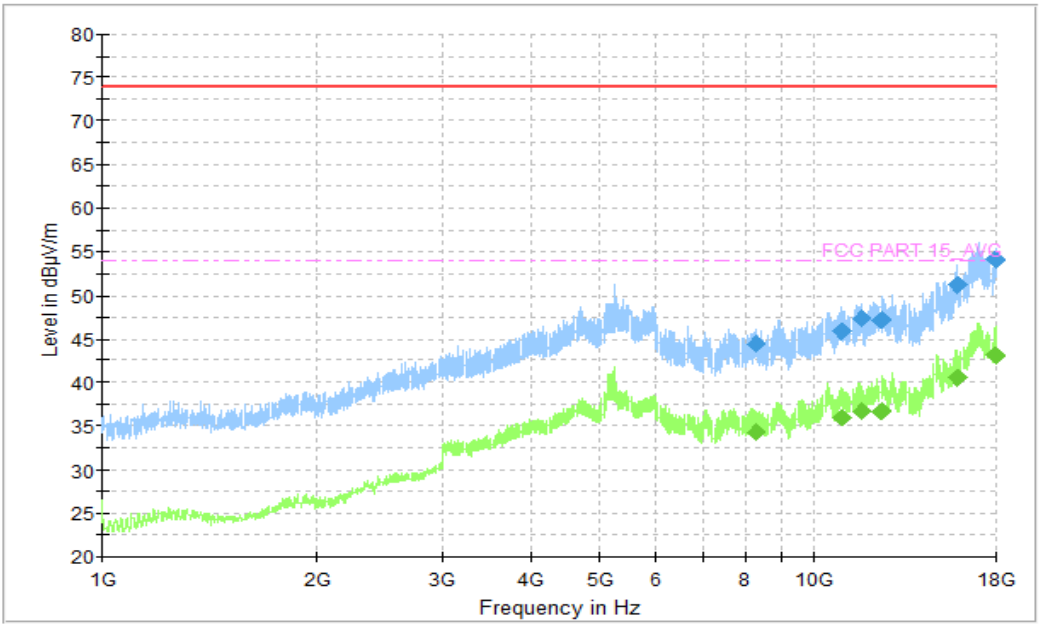


Figure A.1.34. Radiated Emission (LTE receiver Band 71, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8277.230769	44.46	74.00	29.54	V	6.0	38.46
10913.538462	45.95	74.00	28.05	V	9.4	36.55
11629.846154	47.38	74.00	26.62	H	9.9	37.48
12463.846154	47.13	74.00	26.87	H	11.4	35.73
15892.615385	51.12	74.00	22.88	V	14.0	37.12
17953.384615	54.13	74.00	19.87	H	19.0	35.13

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8277.230769	34.28	54.00	19.72	V	6.0	28.28
10913.538462	35.90	54.00	18.10	V	9.4	26.5
11629.846154	36.66	54.00	17.34	H	9.9	26.76
12463.846154	36.74	54.00	17.26	H	11.4	25.34
15892.615385	40.62	54.00	13.38	V	14.0	26.62
17953.384615	43.05	54.00	10.95	H	19.0	24.05

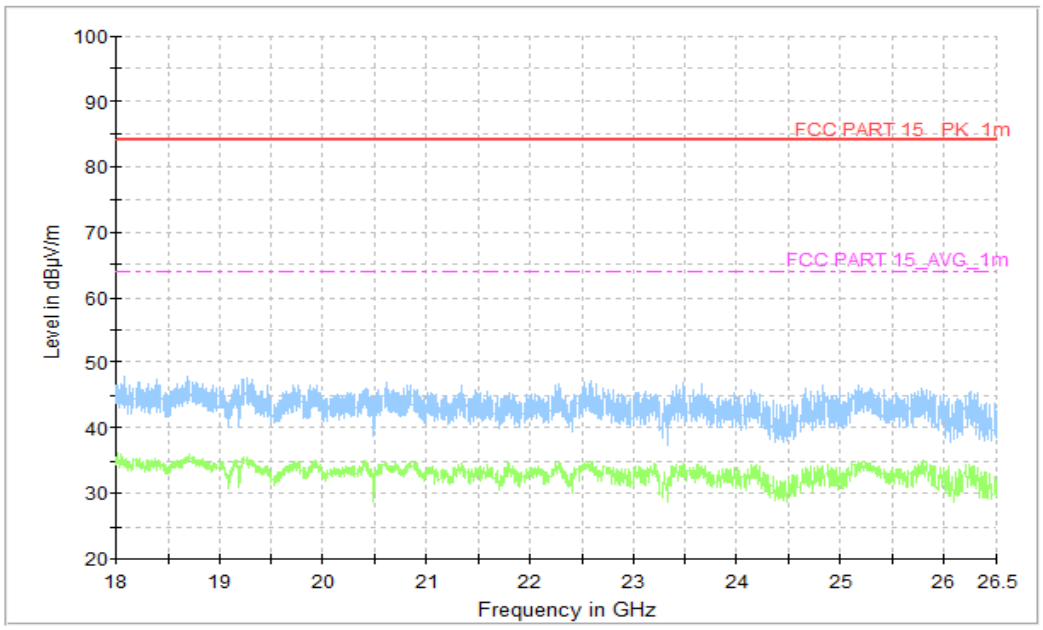


Figure A.1.35. Radiated Emission (LTE receiver Band 71, 18GHz to 26.5GHz)

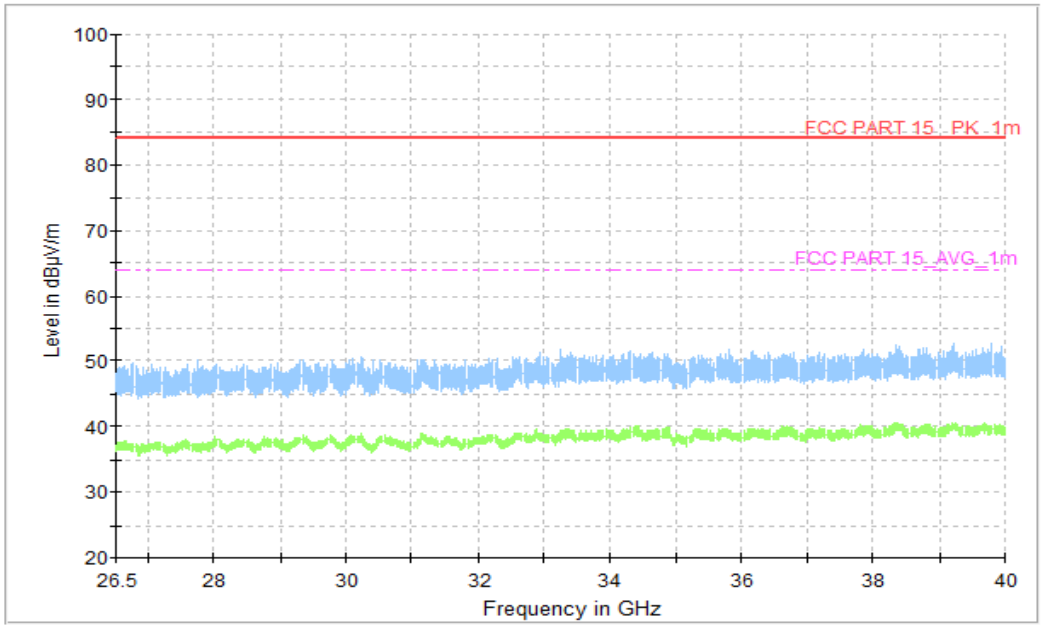


Figure A.1.36. Radiated Emission (LTE receiver Band 71, 26.5GHz to 40GHz)

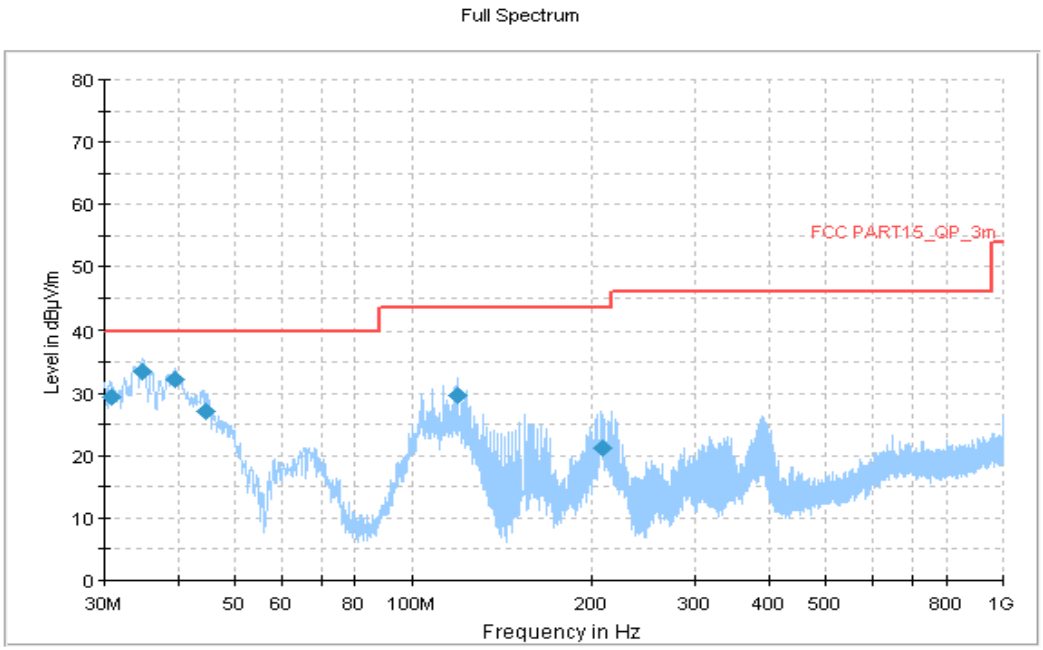


Figure A.1.37. Radiated Emission (NR receiver SA n5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.754444	29.45	40.00	10.55	V	-17.8	47.25
34.796111	33.49	40.00	6.51	V	-20.0	53.49
39.484444	32.20	40.00	7.80	V	-22.7	54.90
44.765556	27.15	40.00	12.85	V	-26.1	53.25
119.132222	29.63	43.52	13.89	V	-24.2	53.83
209.072778	21.15	43.52	22.37	H	-25.7	46.85

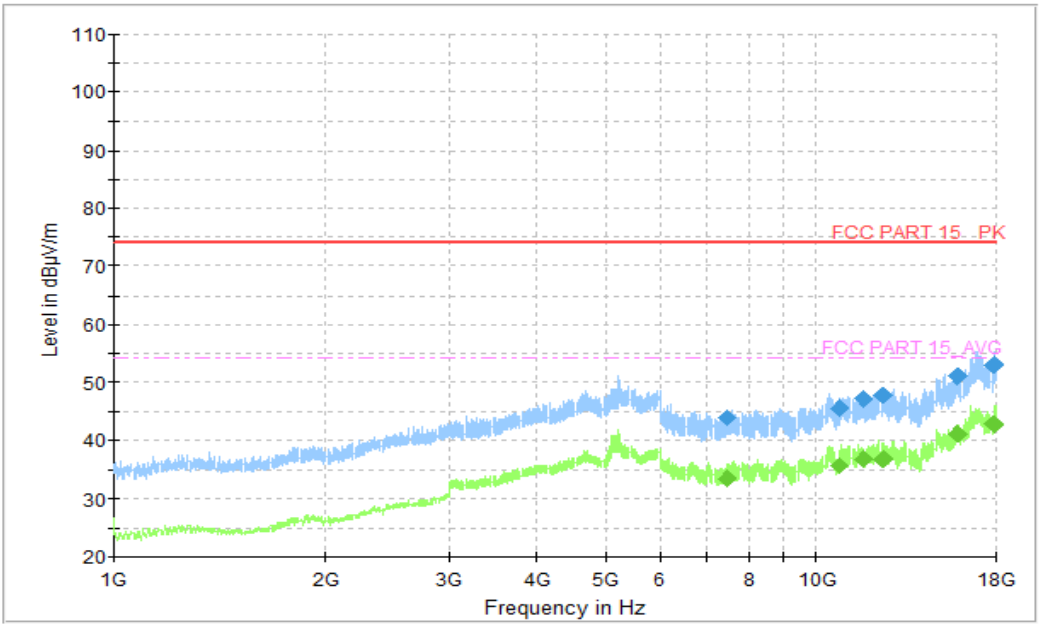


Figure A.1.38. Radiated Emission (NR receiver SA n5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7476.000000	43.87	74.00	30.13	H	5.7	38.17
10806.461539	45.63	74.00	28.37	H	9.1	36.53
11676.000000	47.34	74.00	26.66	H	9.8	37.54
12432.923077	47.79	74.00	26.21	V	11.4	36.39
15877.846154	51.19	74.00	22.81	V	14.0	37.19
17903.076923	53.02	74.00	20.98	H	18.8	34.22

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7476.000000	33.58	54.00	20.42	H	5.7	27.88
10806.461539	35.59	54.00	18.41	H	9.1	26.49
11676.000000	36.79	54.00	17.21	H	9.8	26.99
12432.923077	36.80	54.00	17.20	V	11.4	25.40
15877.846154	41.13	54.00	12.87	V	14.0	27.13
17903.076923	42.86	54.00	11.14	H	18.8	24.06

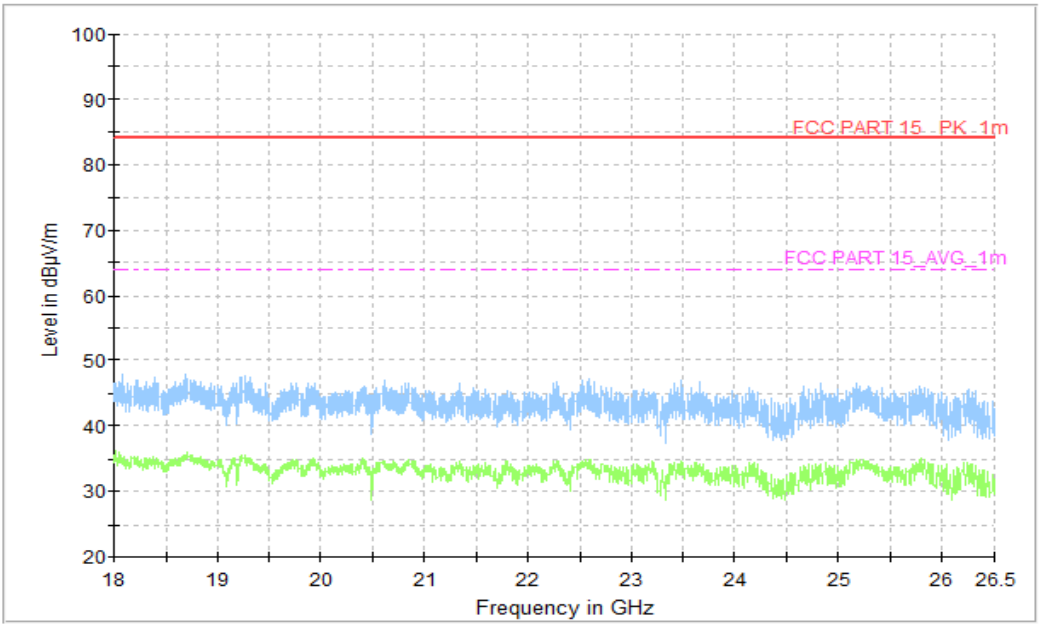


Figure A.1.39. Radiated Emission (NR receiver SA n5, 18GHz to 26.5GHz)

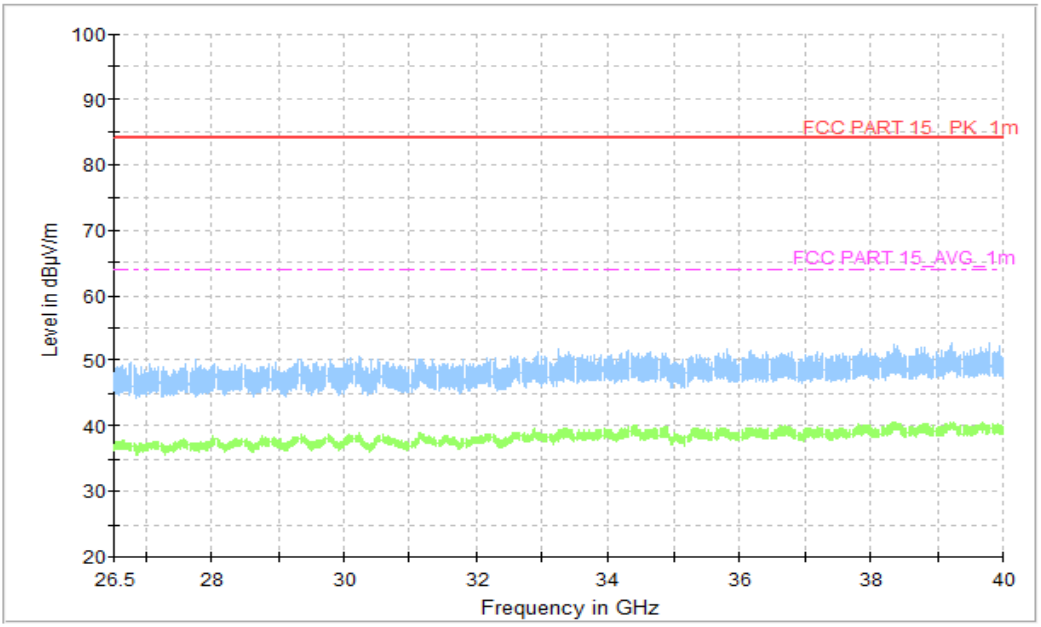


Figure A.1.40. Radiated Emission (NR receiver SA n5, 26.5GHz to 40GHz)

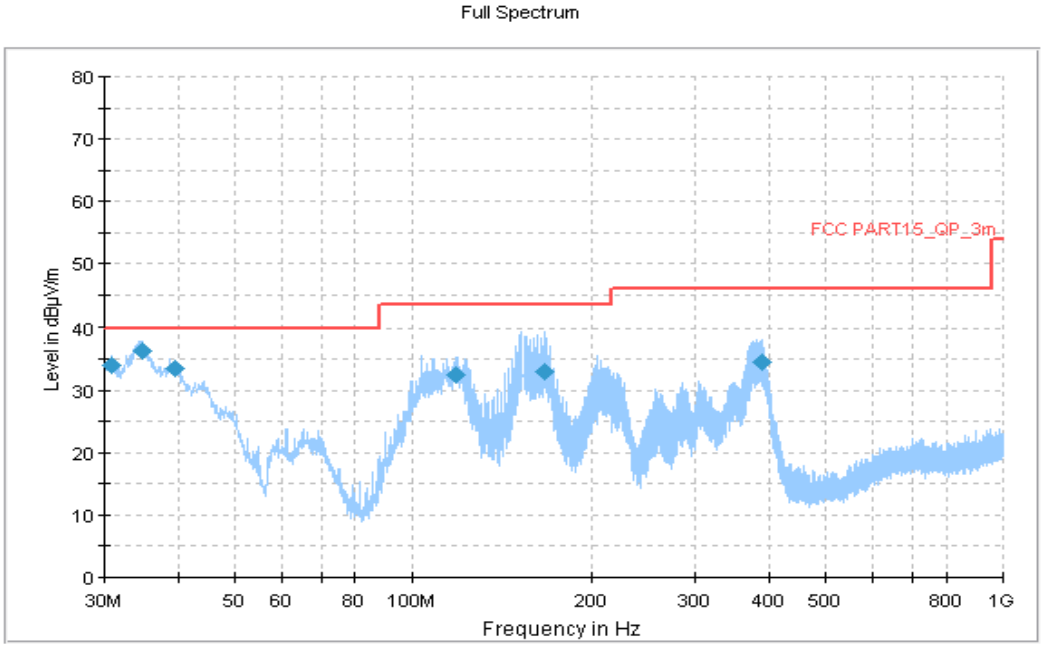


Figure A.1.41. Radiated Emission (NR receiver SA n71, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.754444	33.89	40.00	6.11	V	-17.8	51.69
34.742222	36.23	40.00	3.77	V	-19.9	56.13
39.646111	33.43	40.00	6.57	V	-22.8	56.23
118.162222	32.40	43.52	11.12	V	-24.2	56.60
166.069444	32.94	43.52	10.58	V	-26.4	59.34
389.277222	34.50	46.02	11.52	H	-19.0	53.50

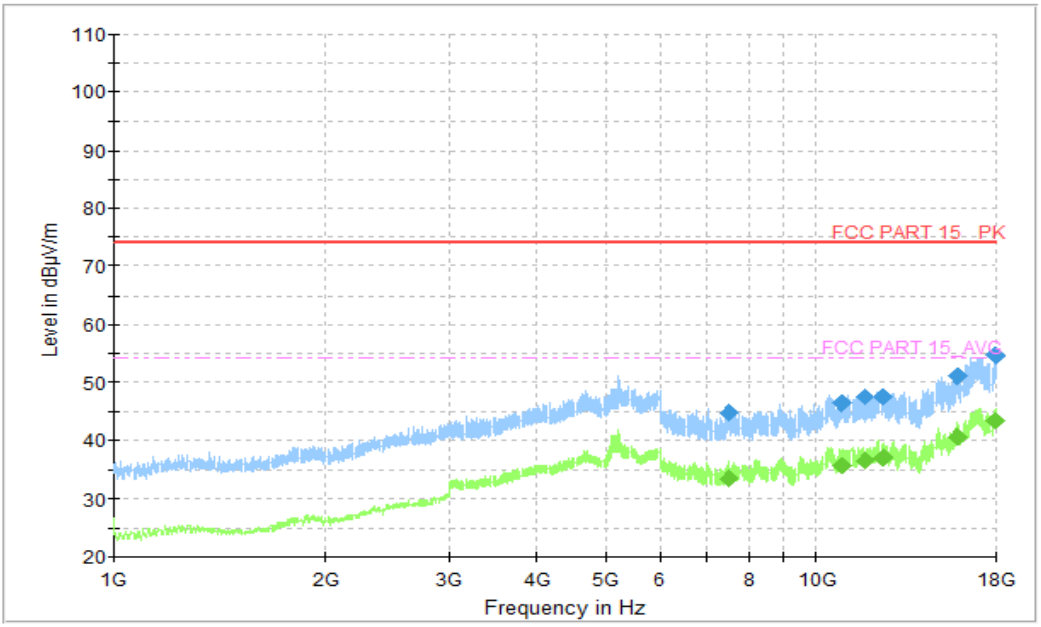


Figure A.1.42. Radiated Emission (NR receiver SA n71, 1GHz to 18GHz)

Final_Results_PK

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

Final_Results_AVG

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

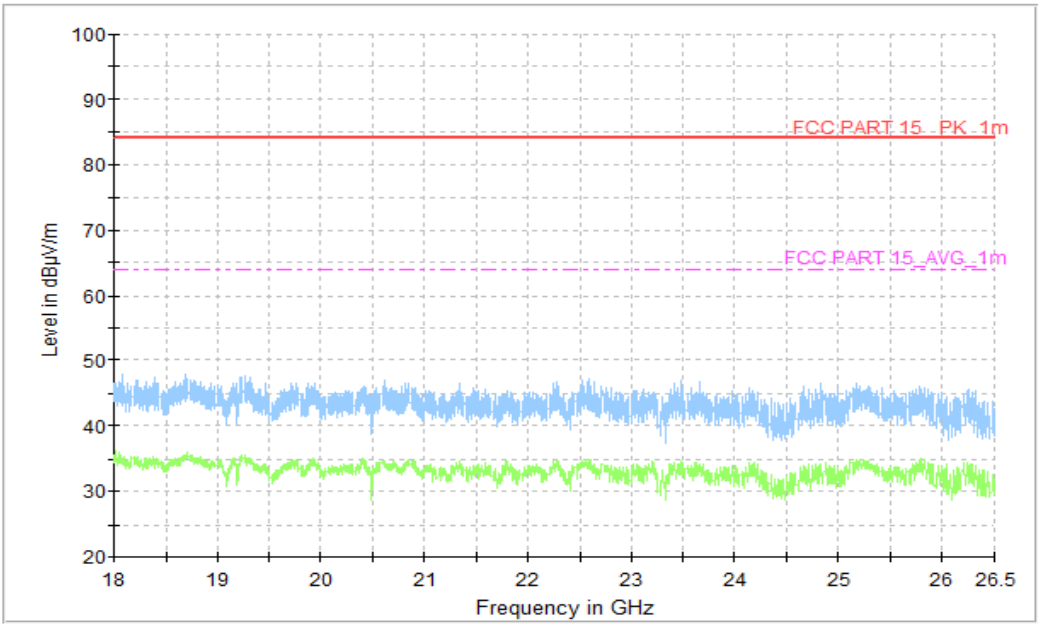


Figure A.1.43. Radiated Emission (NR receiver SA n71, 18GHz to 26.5GHz)

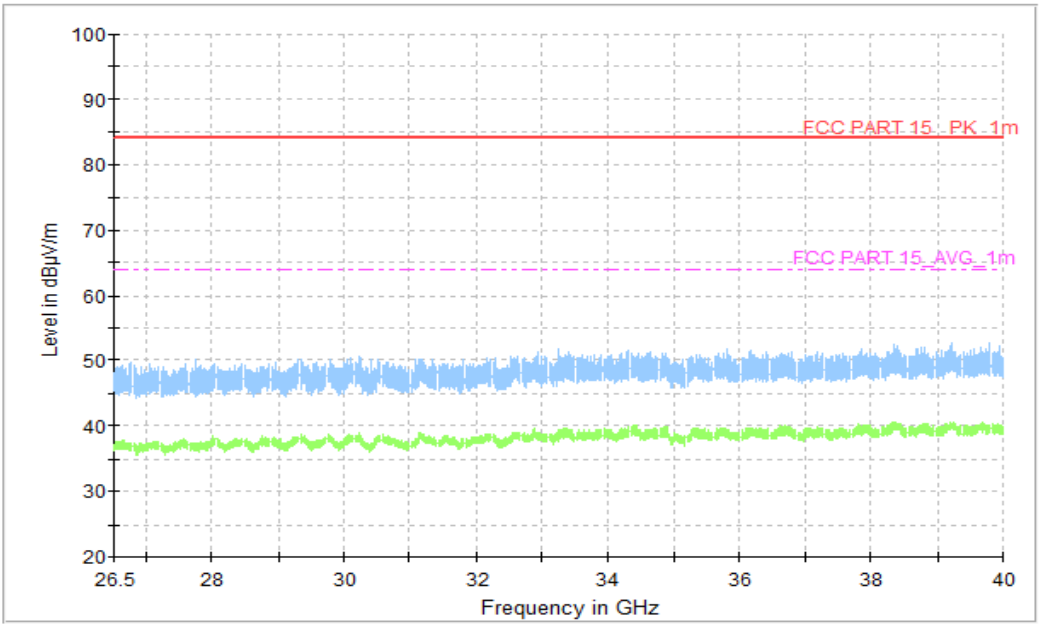


Figure A.1.44. Radiated Emission (NR receiver SA n71, 26.5GHz to 40GHz)

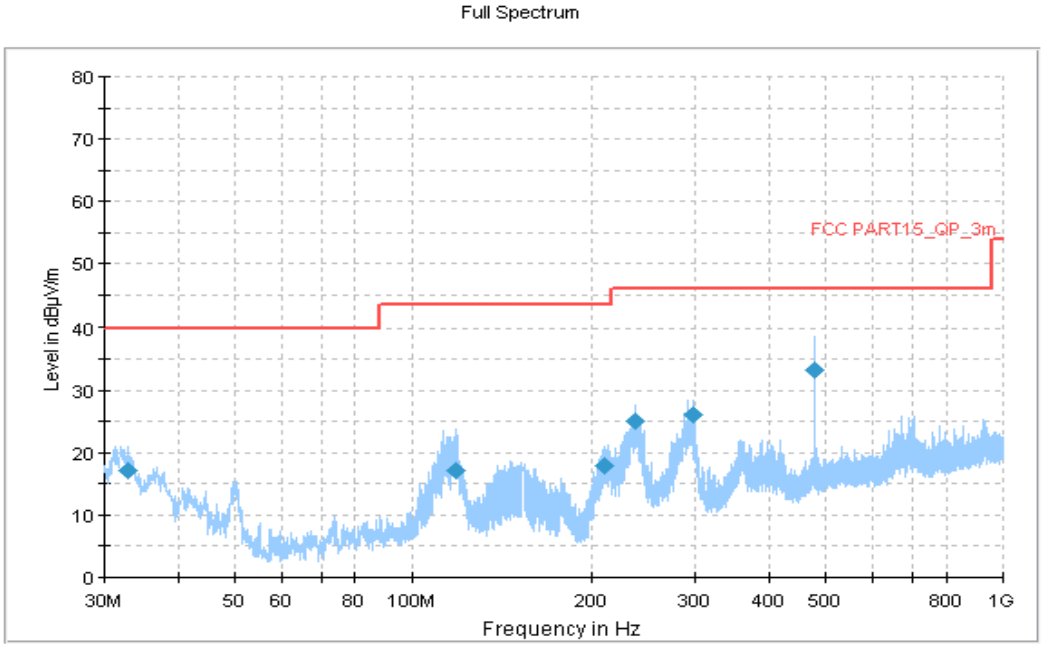


Figure A.1.45. Radiated Emission (Data Transfer: EUT TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.910000	17.09	40.00	22.91	V	-19.1	36.19
118.377778	17.10	43.52	26.42	V	-24.2	41.3
210.635556	17.83	43.52	25.69	V	-25.6	43.43
237.472222	25.17	46.02	20.85	V	-24.4	49.57
296.965556	26.12	46.02	19.90	H	-22.1	48.22
480.026111	33.18	46.02	12.84	H	-16.8	49.98

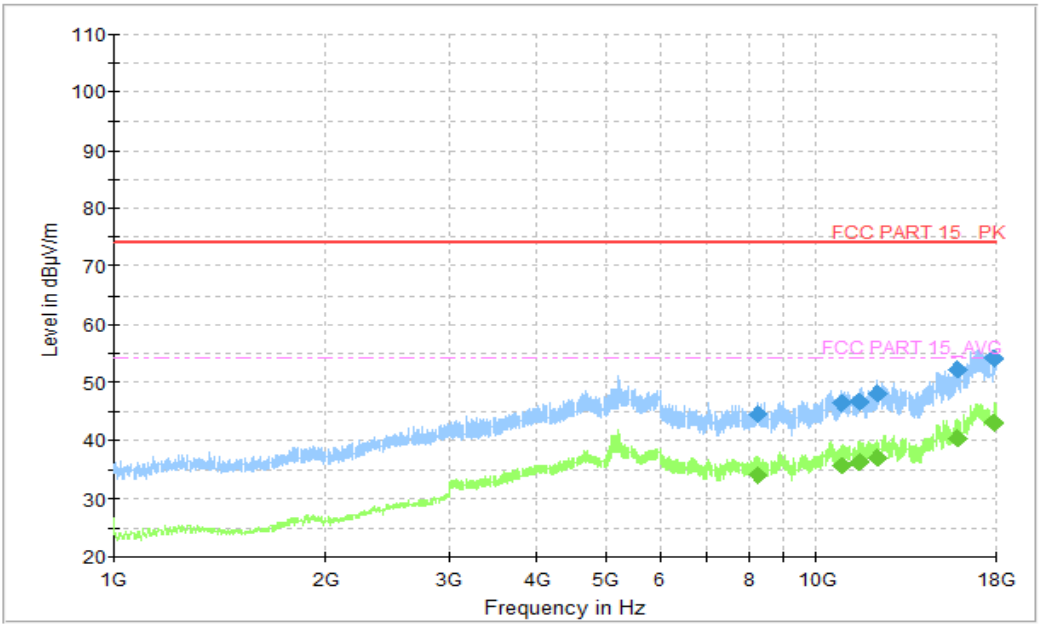


Figure A.1.46. Radiated Emission (Data Transfer: EUT TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8269.384616	44.57	74.00	29.43	V	5.9	38.67
10872.923077	46.45	74.00	27.55	H	9.3	37.15
11544.000000	46.62	74.00	27.38	H	10.0	36.62
12223.384615	48.07	74.00	25.93	V	10.9	37.17
15879.230769	52.08	74.00	21.92	H	14.0	38.08
17900.307692	54.12	74.00	19.88	V	18.8	35.32

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8269.384616	34.04	54.00	19.96	V	5.9	28.14
10872.923077	35.77	54.00	18.23	H	9.3	26.47
11544.000000	36.37	54.00	17.63	H	10.0	26.37
12223.384615	36.97	54.00	17.03	V	10.9	26.07
15879.230769	40.46	54.00	13.54	H	14.0	26.46
17900.307692	43.01	54.00	10.99	V	18.8	24.21

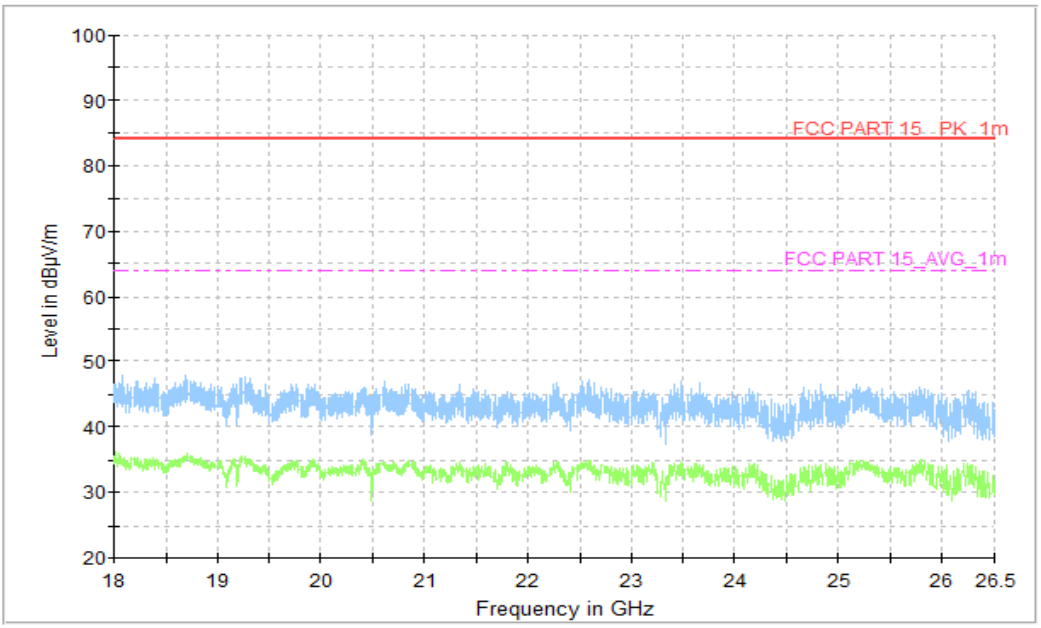


Figure A.1.47. Radiated Emission (Data Transfer: EUT TO PC, 18GHz to 26.5GHz)

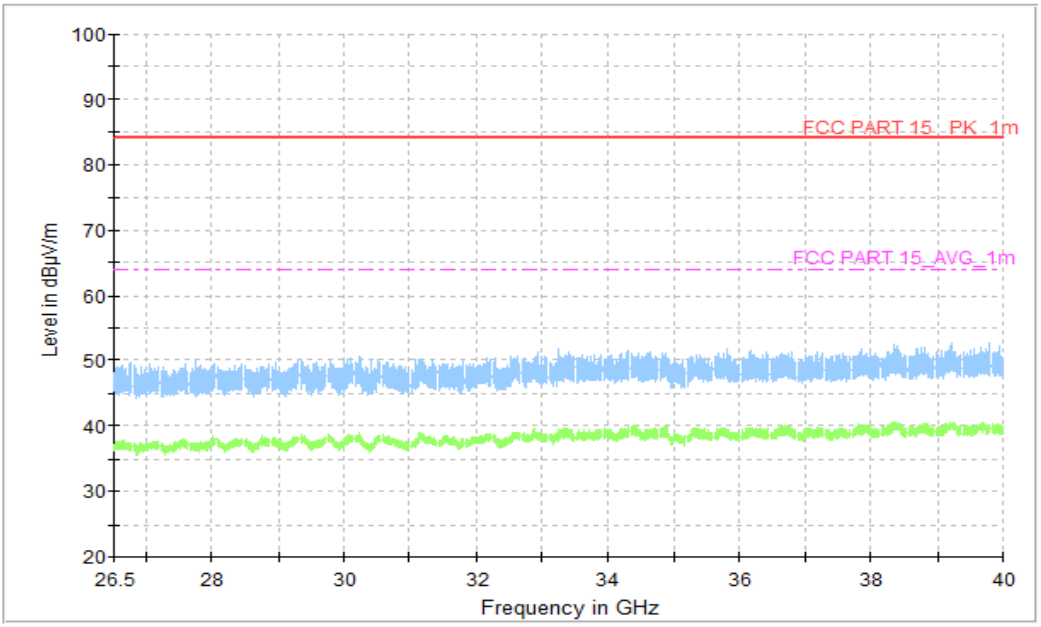


Figure A.1.48. Radiated Emission (Data Transfer: EUT TO PC, 26.5GHz to 40GHz)

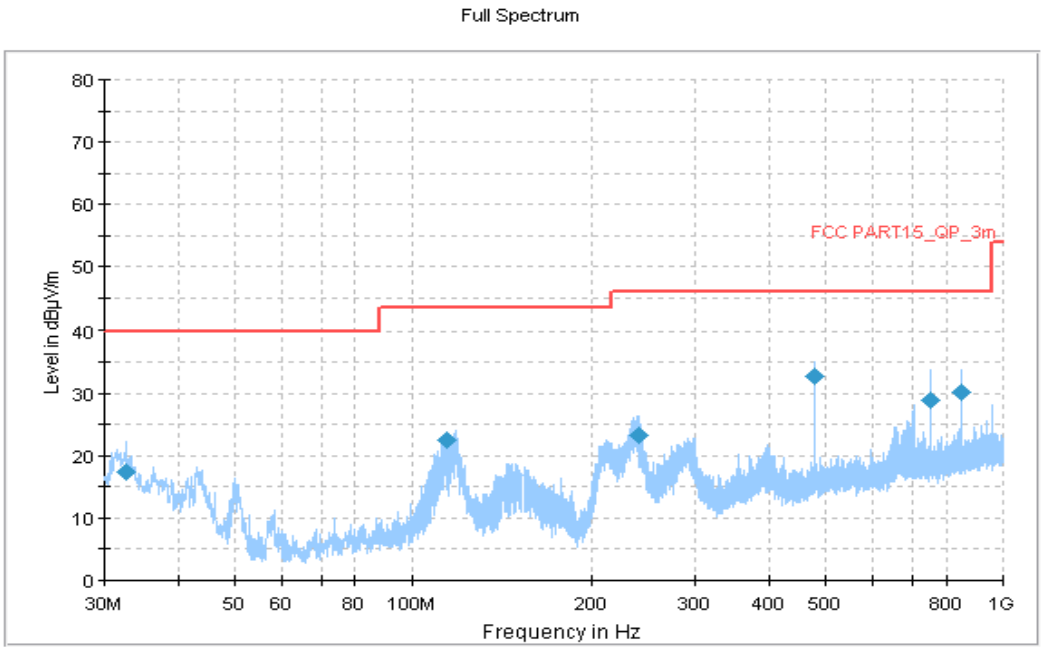


Figure A.1.49. Radiated Emission (Data Transfer: PC TO EUT, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.694444	17.26	40.00	22.74	V	-18.9	36.16
114.120556	22.48	43.52	21.04	V	-24.1	46.58
240.490000	23.16	46.02	22.86	V	-24.3	47.46
479.972222	32.74	46.02	13.28	V	-16.8	49.54
754.212778	28.90	46.02	17.12	H	-12.3	41.2
847.063333	30.09	46.02	15.93	H	-11.0	41.09

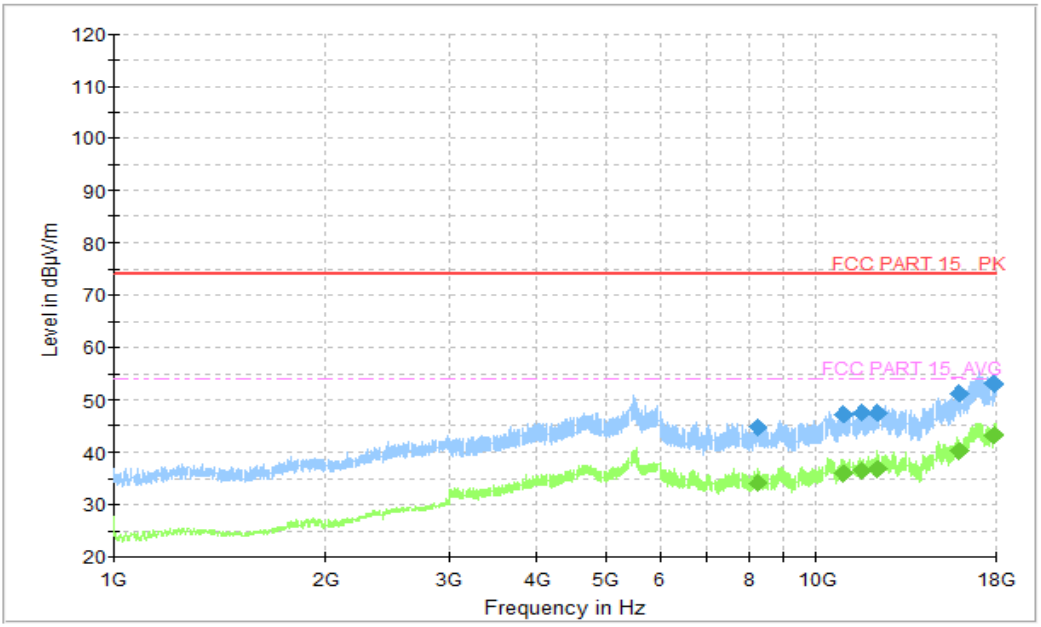


Figure A.1.50. Radiated Emission (Data Transfer: PC TO EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7596.461539	44.37	74.00	29.63	V	5.7	38.67
10871.538462	45.73	74.00	28.27	V	9.3	36.43
11577.230769	47.09	74.00	26.91	V	10.0	37.09
12540.461539	48.36	74.00	25.64	V	11.3	37.06
15738.461539	49.50	74.00	24.50	V	13.9	35.6
17903.538462	53.20	74.00	20.80	V	18.8	34.40

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7596.461539	33.80	54.00	20.20	V	5.7	28.10
10871.538462	35.80	54.00	18.20	V	9.3	26.5
11577.230769	36.32	54.00	17.68	V	10.0	26.32
12540.461539	36.57	54.00	17.43	V	11.3	25.27
15738.461539	39.40	54.00	14.60	V	13.9	25.5
17903.538462	43.03	54.00	10.97	V	18.8	24.23

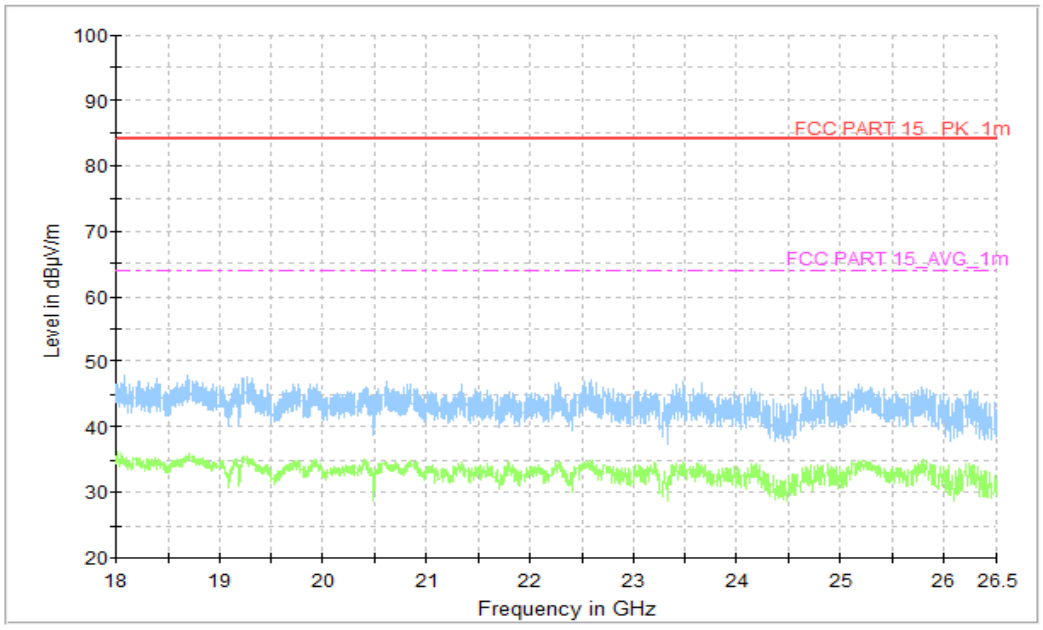


Figure A.1.51. Radiated Emission (Data Transfer: PC TO EUT, 18GHz to 26.5GHz)

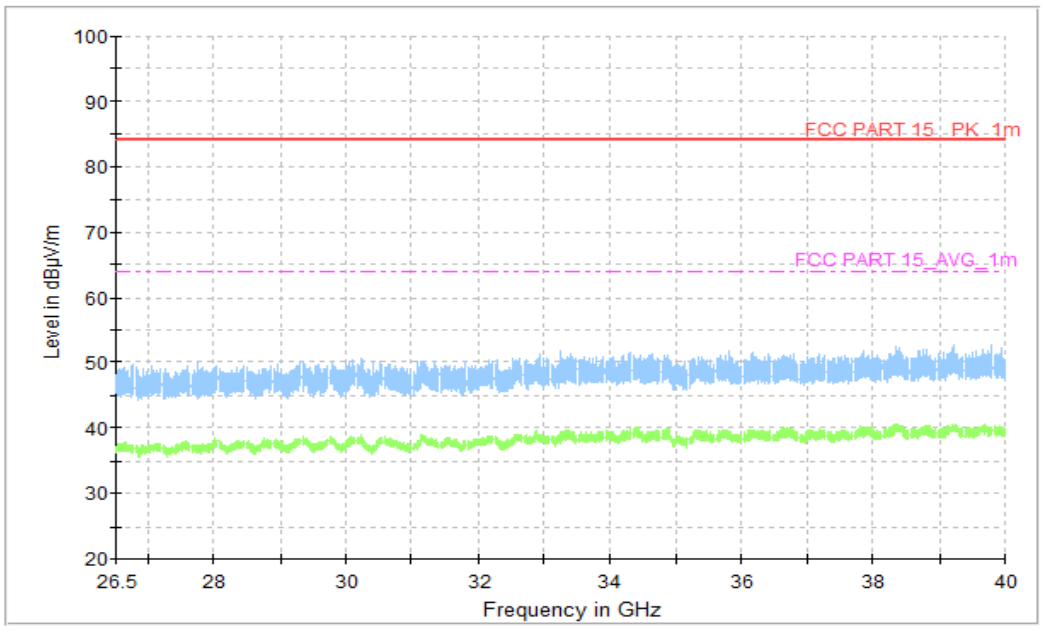


Figure A.1.52. Radiated Emission (Data Transfer: PC TO EUT, 26.5GHz to 40GHz)

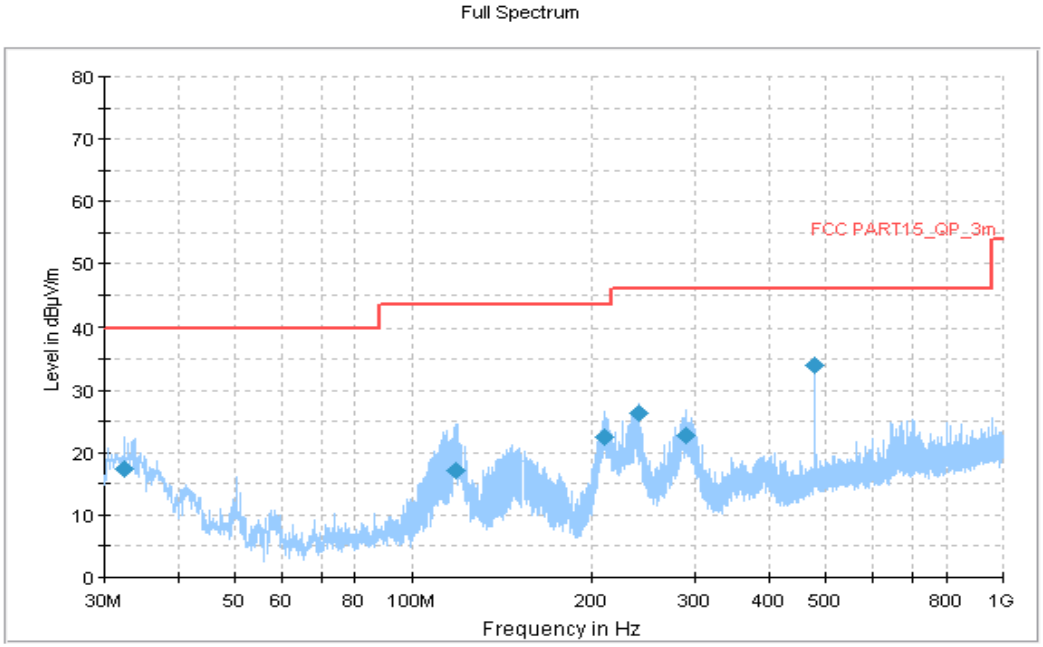


Figure A.1.53. Radiated Emission (Data Transfer: PC TO TF, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.371111	17.49	40.00	22.51	V	-18.8	36.29
118.162222	17.15	43.52	26.37	V	-24.2	41.35
210.096667	22.57	43.52	20.95	H	-25.6	48.17
239.951111	26.29	46.02	19.73	V	-24.3	50.59
290.229444	22.86	46.02	23.16	H	-22.4	45.26
480.026111	34.07	46.02	11.95	V	-16.8	50.87

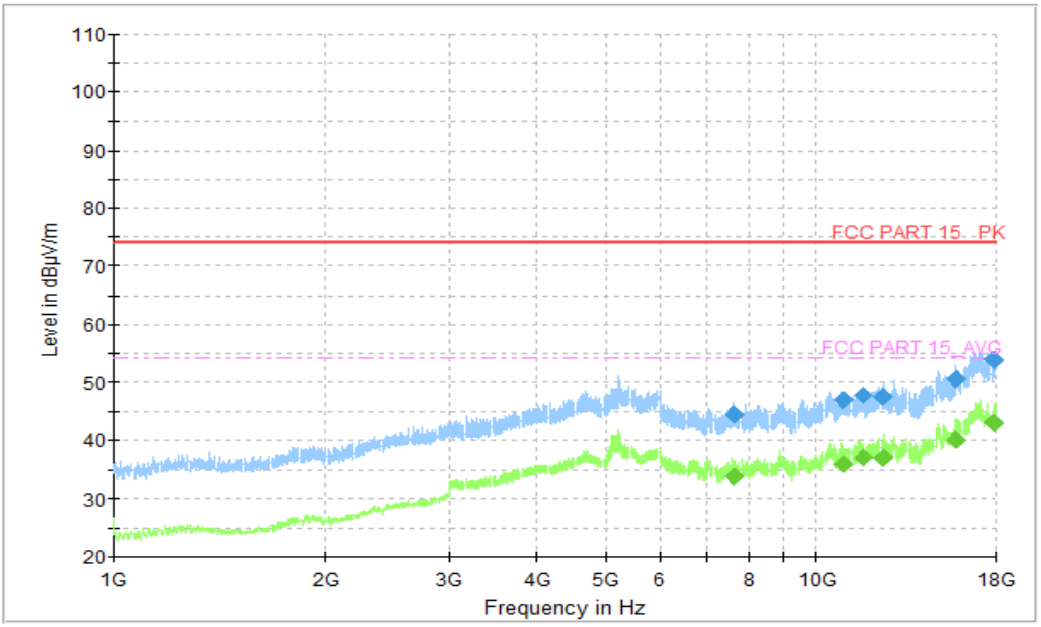


Figure A.1.54. Radiated Emission (Data Transfer: PC TO TF, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7653.230769	44.58	74.00	29.42	V	5.7	38.88
10915.846154	47.07	74.00	26.93	H	9.4	37.67
11663.076923	47.80	74.00	26.21	V	9.9	37.90
12448.153846	47.51	74.00	26.49	V	11.4	36.11
15793.846154	50.63	74.00	23.37	H	14.0	36.63
17904.000000	53.74	74.00	20.26	V	18.8	34.94

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7653.230769	33.67	54.00	20.33	V	5.7	27.97
10915.846154	36.05	54.00	17.95	H	9.4	26.65
11663.076923	36.99	54.00	17.01	V	9.9	27.09
12448.153846	36.98	54.00	17.02	V	11.4	25.58
15793.846154	40.07	54.00	13.93	H	14.0	26.07
17904.000000	43.08	54.00	10.92	V	18.8	24.28

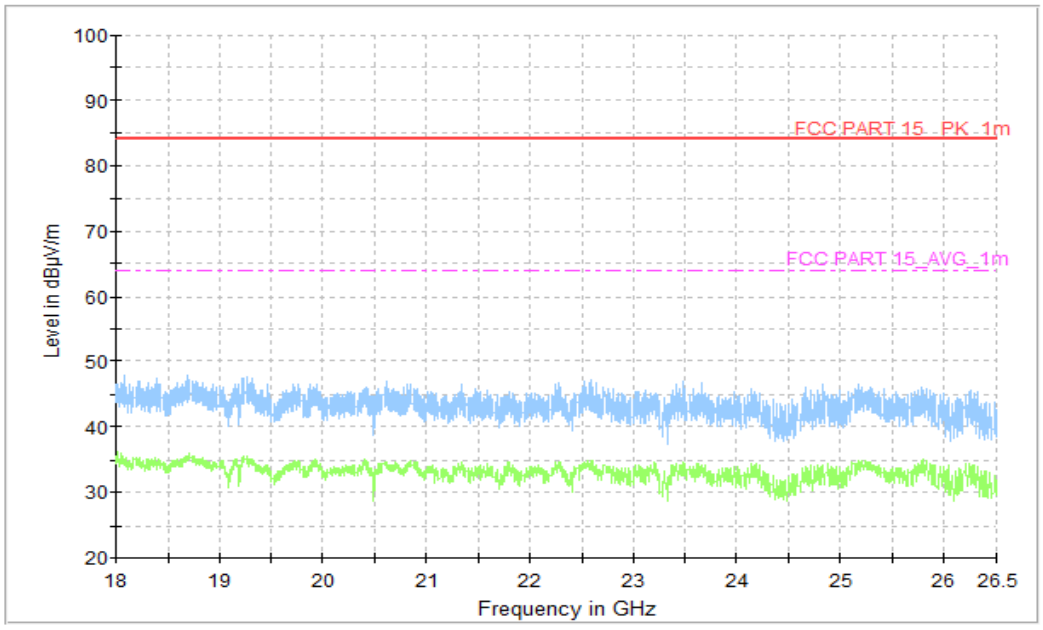


Figure A.1.55. Radiated Emission (Data Transfer: PC TO TF, 18GHz to 26.5GHz)

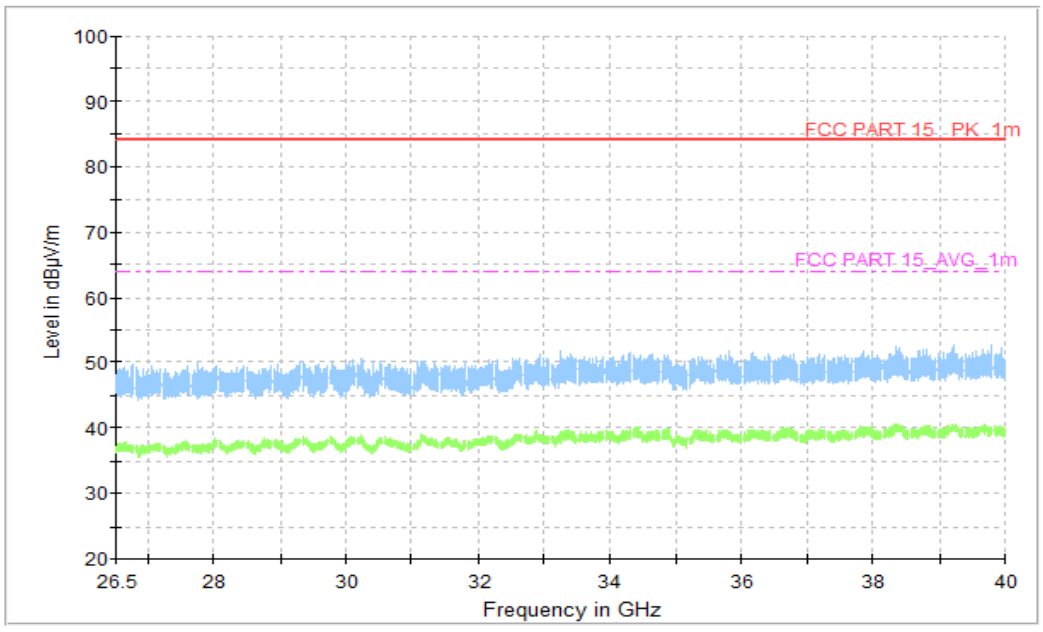


Figure A.1.56. Radiated Emission (Data Transfer: PC TO TF, 26.5GHz to 40GHz)

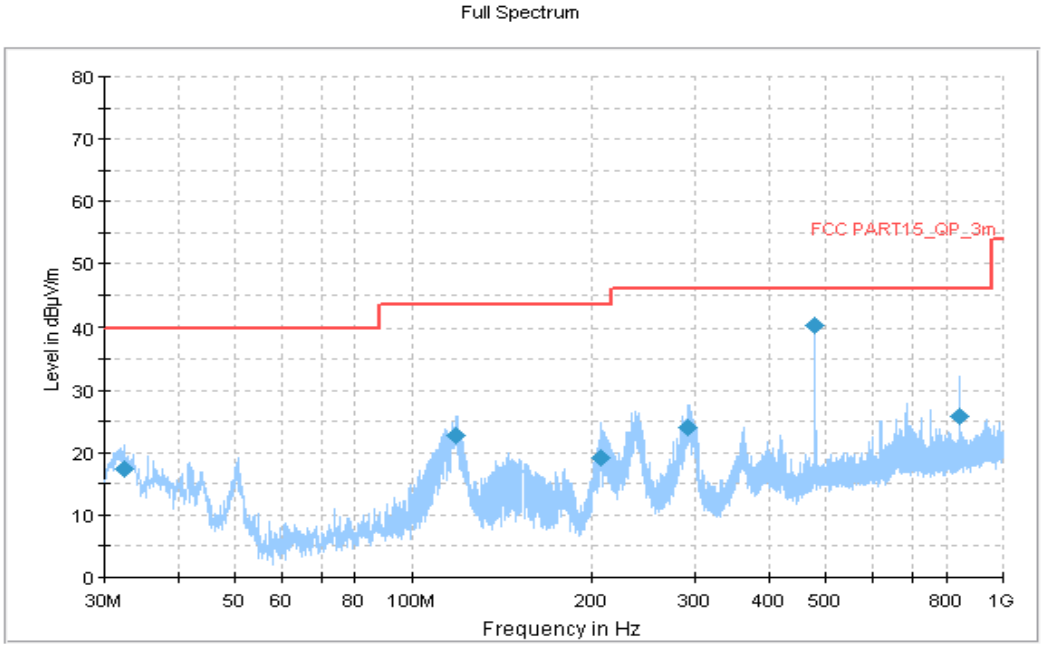


Figure A.1.57. Radiated Emission (Data Transfer: TF TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.371111	17.46	40.00	22.54	H	-18.8	36.26
118.431667	22.85	43.52	20.67	V	-24.2	47.05
207.240556	19.12	43.52	24.40	V	-25.7	44.82
290.768333	23.91	46.02	22.11	H	-22.4	46.31
480.026111	40.45	46.02	5.57	H	-16.8	57.25
845.770000	25.92	46.02	20.10	V	-11.0	36.92

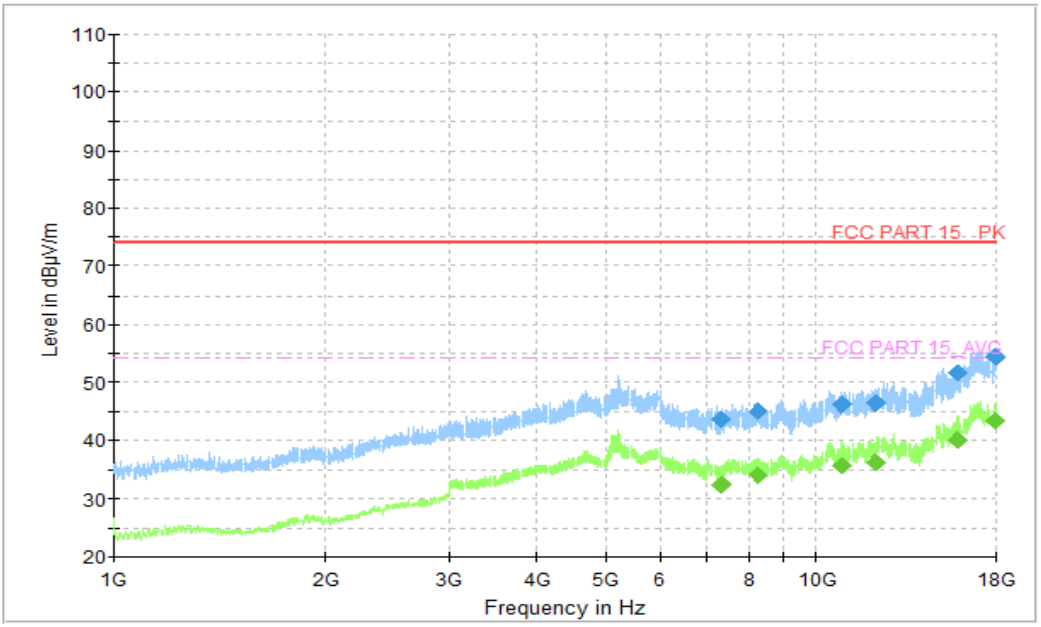


Figure A.1.58. Radiated Emission (Data Transfer: TF TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7319.538462	43.65	74.00	30.35	H	5.1	38.55
8248.153846	45.07	74.00	28.93	V	5.9	39.17
10872.923077	46.18	74.00	27.82	H	9.3	36.88
12129.230769	46.30	74.00	27.70	V	10.6	35.70
15864.461539	51.72	74.00	22.28	H	14.0	37.72
17971.384615	54.48	74.00	19.52	H	19.1	35.38

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
7319.538462	32.32	54.00	21.68	H	5.1	27.22
8248.153846	34.12	54.00	19.88	V	5.9	28.22
10872.923077	35.63	54.00	18.37	H	9.3	26.33
12129.230769	36.30	54.00	17.70	V	10.6	25.70
15864.461539	40.21	54.00	13.79	H	14.0	26.21
17971.384615	43.48	54.00	10.52	H	19.1	24.38

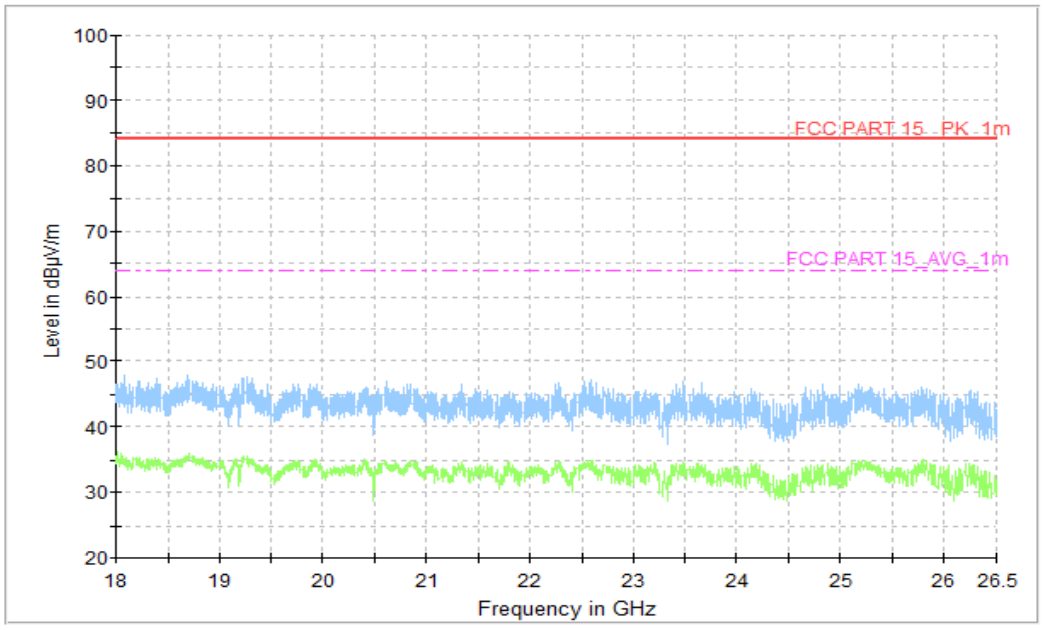


Figure A.1.59. Radiated Emission (Data Transfer: TF TO PC, 18GHz to 26.5GHz)

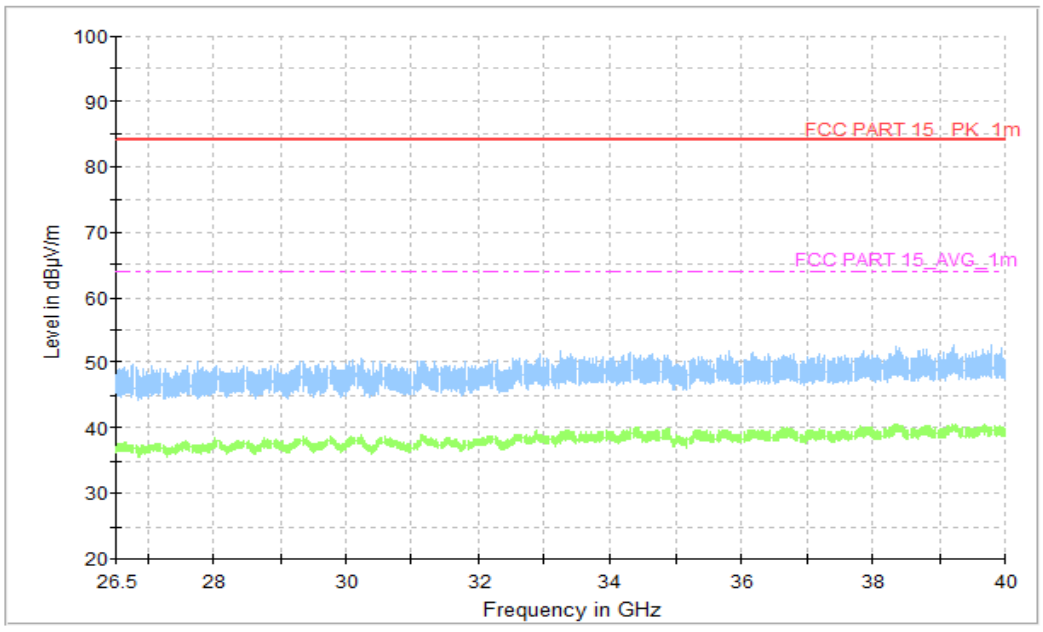


Figure A.1.60. Radiated Emission (Data Transfer: TF TO PC, 26.5GHz to 40GHz)

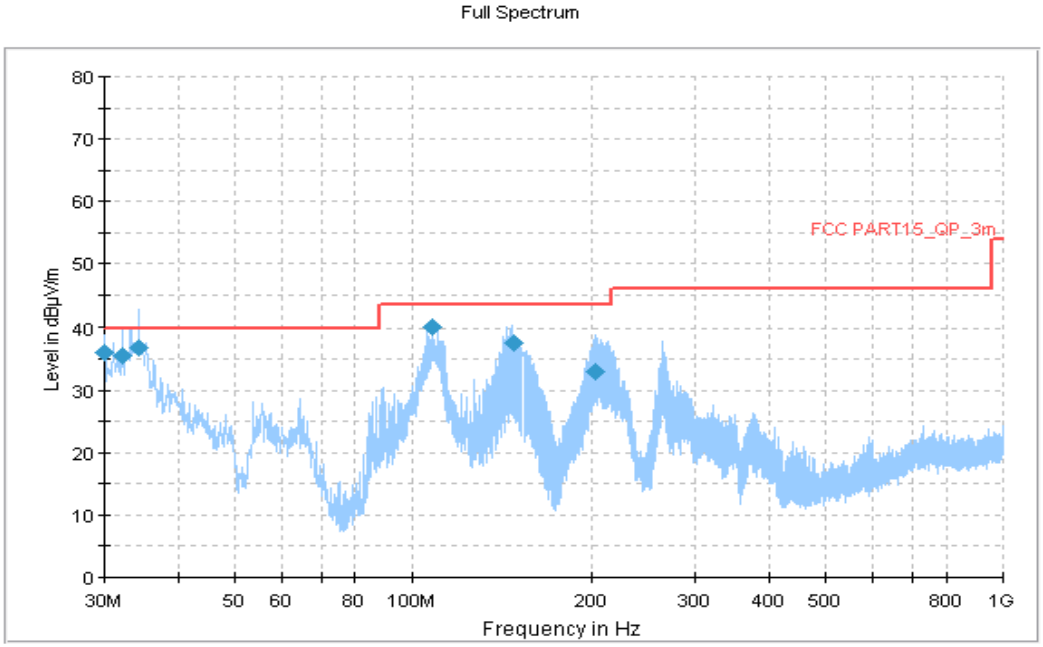


Figure A.1.61. Radiated Emission (WCDMA receiver Band5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.053889	36.15	40.00	3.85	V	-17.4	53.55
32.155556	35.44	40.00	4.56	V	-18.6	54.04
34.311111	36.87	40.00	3.13	V	-19.7	56.57
108.300556	40.12	43.52	3.40	V	-24.3	64.42
148.070556	37.58	43.52	5.94	V	-26.2	63.78
203.791667	32.95	43.52	10.57	V	-25.8	58.75

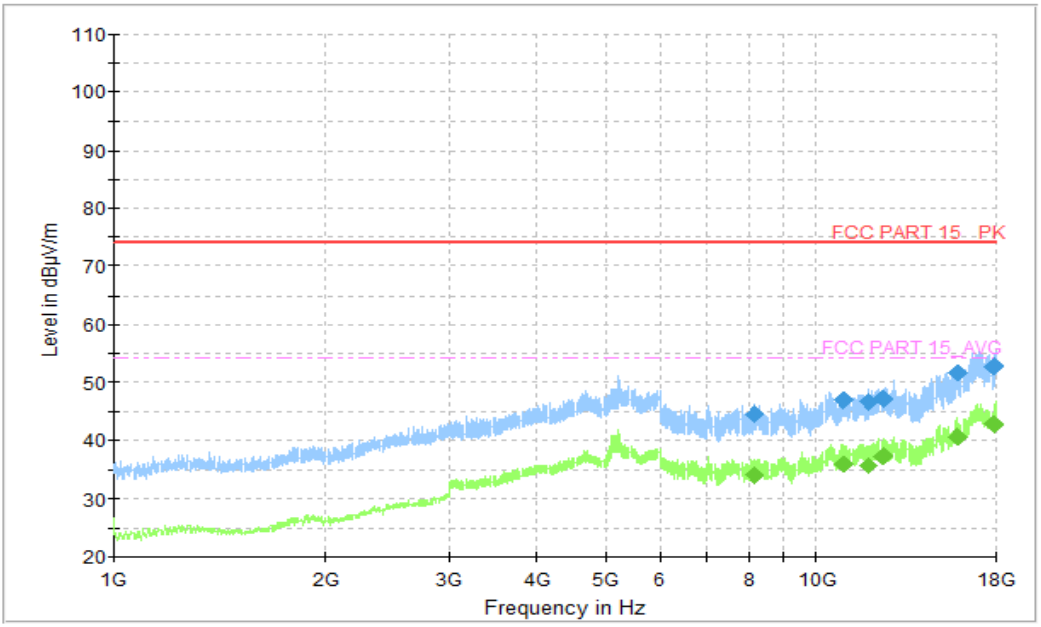


Figure A.1.62. Radiated Emission (WCDMA receiver Band5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8175.230769	44.46	74.00	29.54	H	6.0	51.30
10905.230769	47.09	74.00	26.91	V	9.4	50.00
11866.153846	46.72	74.00	27.28	V	10.1	48.20
12463.846154	47.34	74.00	26.66	V	11.4	46.90
15853.384615	51.58	74.00	22.42	H	14.0	46.40
17930.307692	52.81	74.00	21.19	V	18.9	43.70

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8175.230769	34.15	54.00	19.85	H	6.0	38.30
10905.230769	36.04	54.00	17.96	V	9.4	37.60
11866.153846	35.57	54.00	18.43	V	10.1	34.90
12463.846154	37.35	54.00	16.65	V	11.4	33.10
15853.384615	40.64	54.00	13.36	H	14.0	32.60
17930.307692	42.97	54.00	11.03	V	18.9	30.90

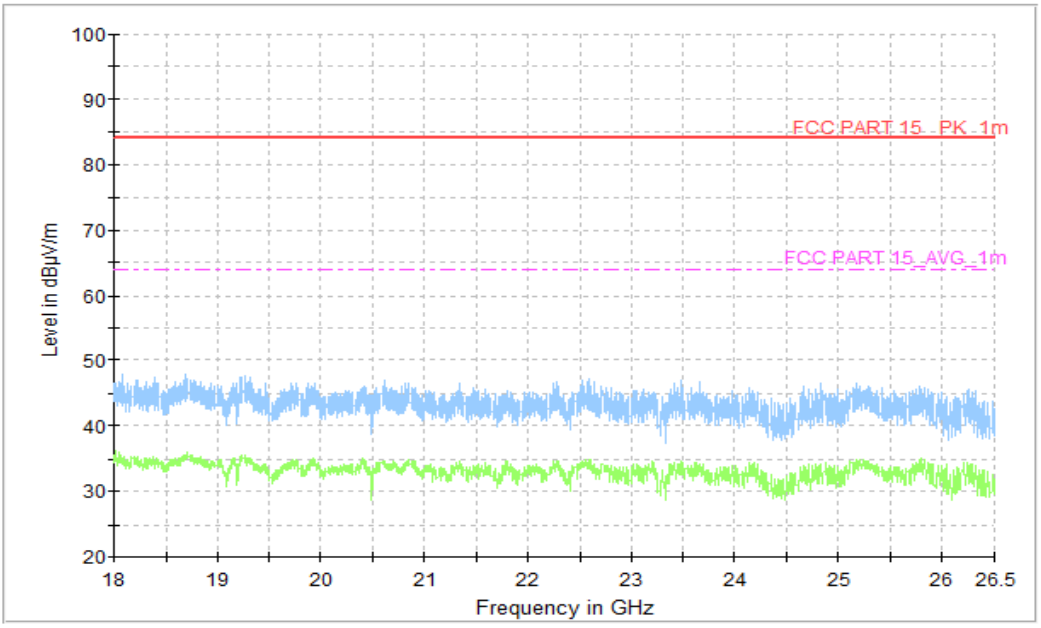


Figure A.1.63. Radiated Emission (WCDMA receiver Band5, 18GHz to 26.5GHz)

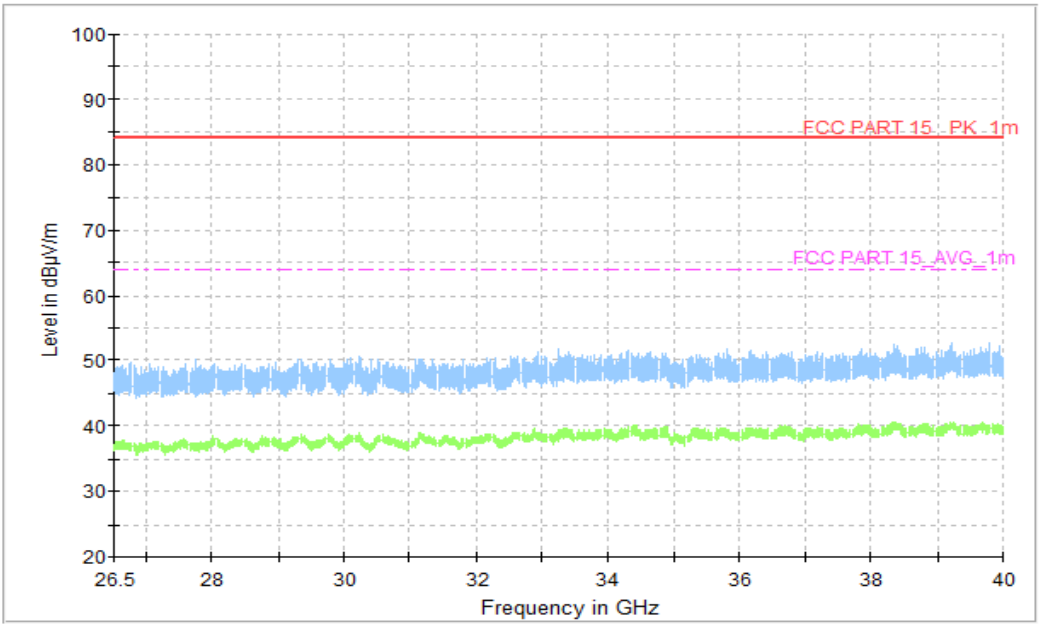


Figure A.1.64. Radiated Emission (WCDMA receiver Band5, 26.5GHz to 40GHz)

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.

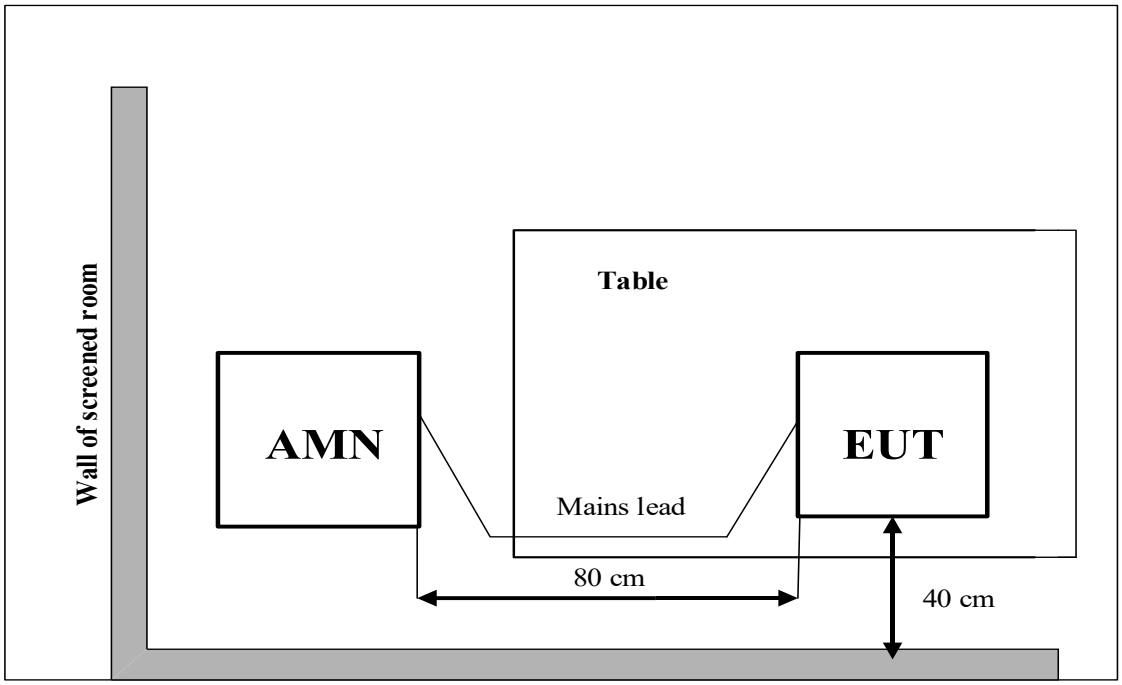
Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

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) UT09aa/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) UT09aa/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) UT09aa/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) UT09aa/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) UT09aa/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
			UT09aa/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.				

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT23aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.7.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT23aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.8.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

AC Input Port/ Voltage: 120V/60Hz

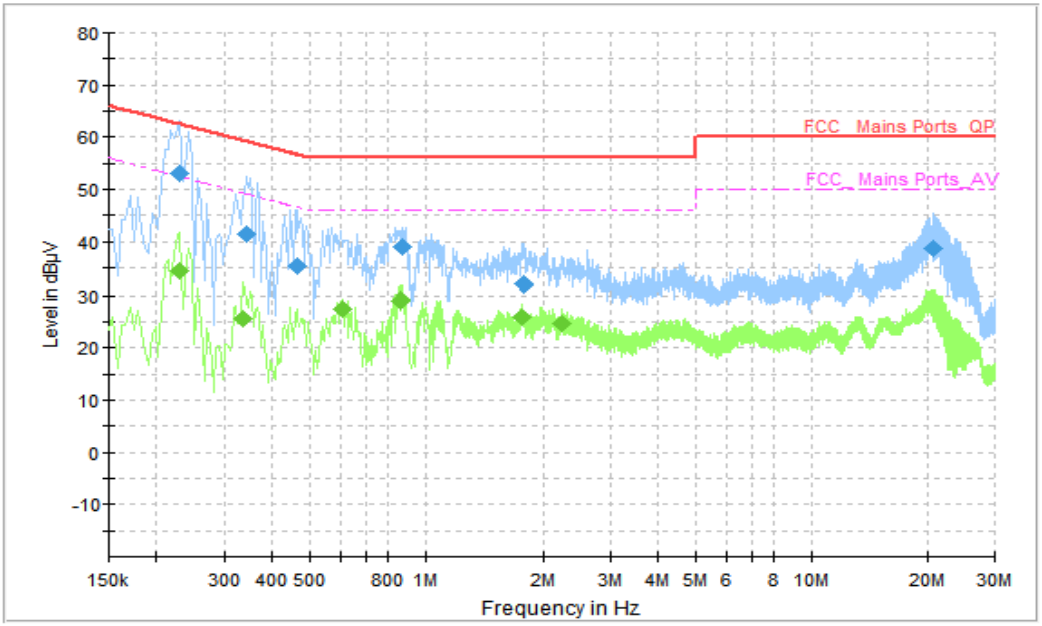


Figure A.2.1. Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.230000	53.07	62.45	9.38	N	10	43.07
0.342000	41.52	59.16	17.64	N	10	31.52
0.462000	35.34	56.66	21.32	N	10	25.34
0.874000	39.14	56.00	16.86	N	10	29.14
1.786000	32.08	56.00	23.92	L1	10	22.08
20.734000	38.70	60.00	21.30	L1	10	28.70

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.230000	34.37	52.45	18.08	N	10	24.37
0.334000	25.45	49.35	23.90	N	10	15.45
0.606000	27.51	46.00	18.49	N	10	17.51
0.858000	29.02	46.00	16.98	N	10	19.02
1.770000	26.02	46.00	19.98	N	10	16.02
2.238000	24.73	46.00	21.27	N	10	14.73

AC Input Port/ Voltage: 240V/60Hz

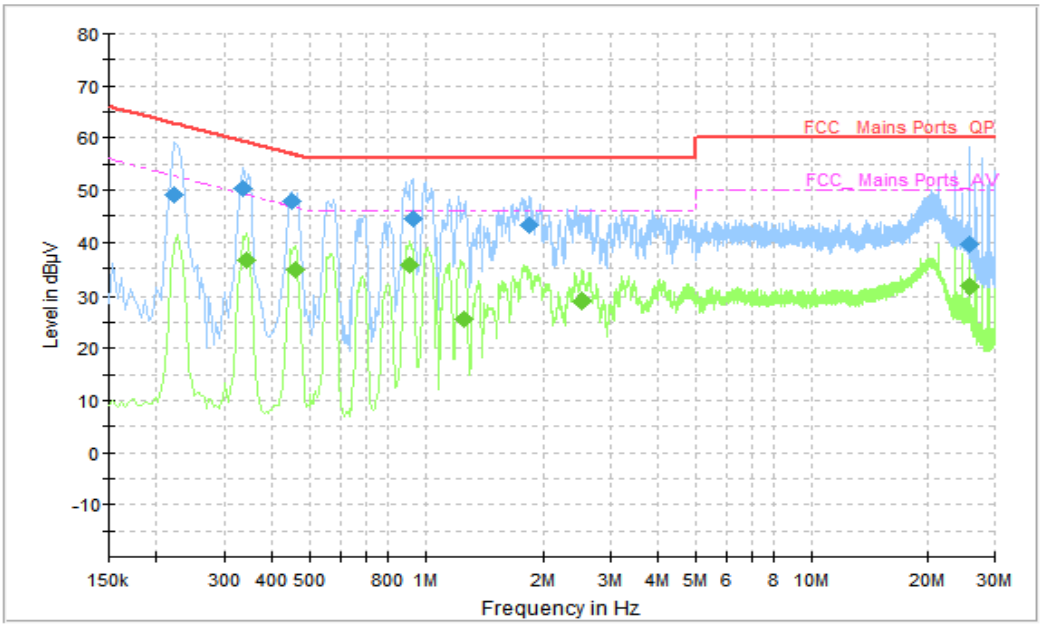


Figure A.2.2. Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.222000	49.10	62.74	13.64	N	10	39.10
0.334000	50.45	59.35	8.90	N	10	40.45
0.450000	47.97	56.88	8.90	N	10	37.97
0.926000	44.67	56.00	11.33	N	10	34.67
1.850000	43.21	56.00	12.79	N	10	33.21
25.694000	39.57	60.00	20.43	N	10	29.57

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.342000	36.53	49.16	12.63	L1	10	26.53
0.458000	34.62	46.73	12.11	L1	10	24.62
0.914000	35.71	46.00	10.29	L1	10	25.71
1.266000	25.42	46.00	20.58	L1	10	15.42
2.522000	28.84	46.00	17.16	L1	10	18.84
25.694000	31.63	50.00	18.37	N	10	21.63

AC Input Port/ Voltage: 120V/60Hz

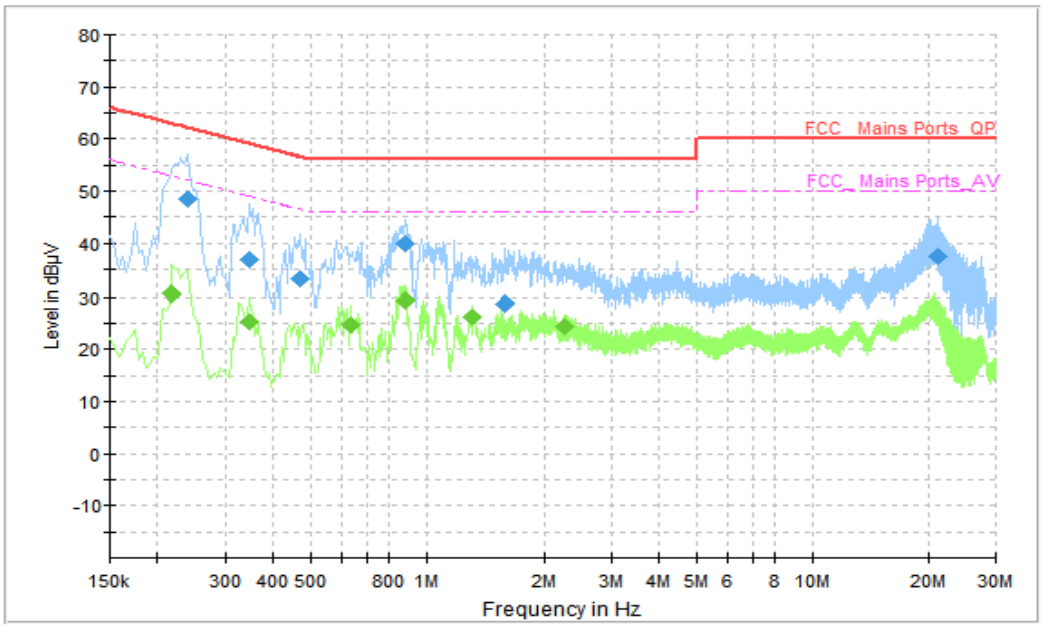


Figure A.2.3. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.238000	48.58	62.17	13.58	N	10	38.58
0.346000	37.03	59.06	22.03	N	10	27.03
0.470000	33.23	56.51	23.29	L1	10	23.23
0.882000	39.89	56.00	16.11	N	10	29.89
1.590000	28.74	56.00	27.26	L1	10	18.74
21.174000	37.58	60.00	22.42	L1	10	27.58

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.218000	30.54	52.90	22.35	L1	10	20.54
0.346000	25.25	49.06	23.81	N	10	15.25
0.638000	24.63	46.00	21.37	N	10	14.63
0.882000	29.38	46.00	16.62	N	10	19.38
1.318000	26.25	46.00	19.75	N	10	16.25
2.254000	24.31	46.00	21.69	N	10	14.31

AC Input Port/ Voltage: 240V/60Hz

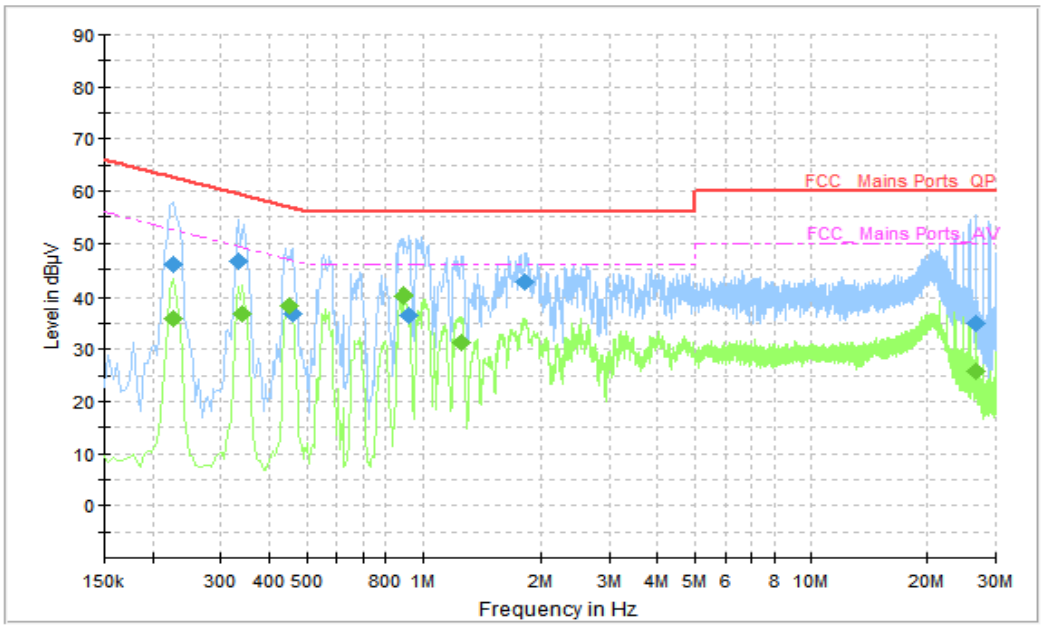


Figure A.2.4. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.226000	45.82	62.60	16.77	N	10	35.82
0.334000	46.58	59.35	12.77	N	10	36.58
0.462000	36.77	56.66	19.89	N	10	26.77
0.922000	36.61	56.00	19.39	N	10	26.61
1.814000	42.75	56.00	13.25	N	10	32.75
26.738000	35.00	60.00	25.00	N	10	25.00

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.226000	35.95	52.60	16.64	N	10	25.95
0.342000	36.76	49.16	12.39	L1	10	26.76
0.450000	38.20	46.88	8.68	L1	10	28.20
0.886000	40.01	46.00	5.99	L1	10	30.01
1.254000	31.23	46.00	14.77	L1	10	21.23
26.738000	25.76	50.00	24.24	N	10	15.76

AC Input Port/ Voltage: 120V/60Hz

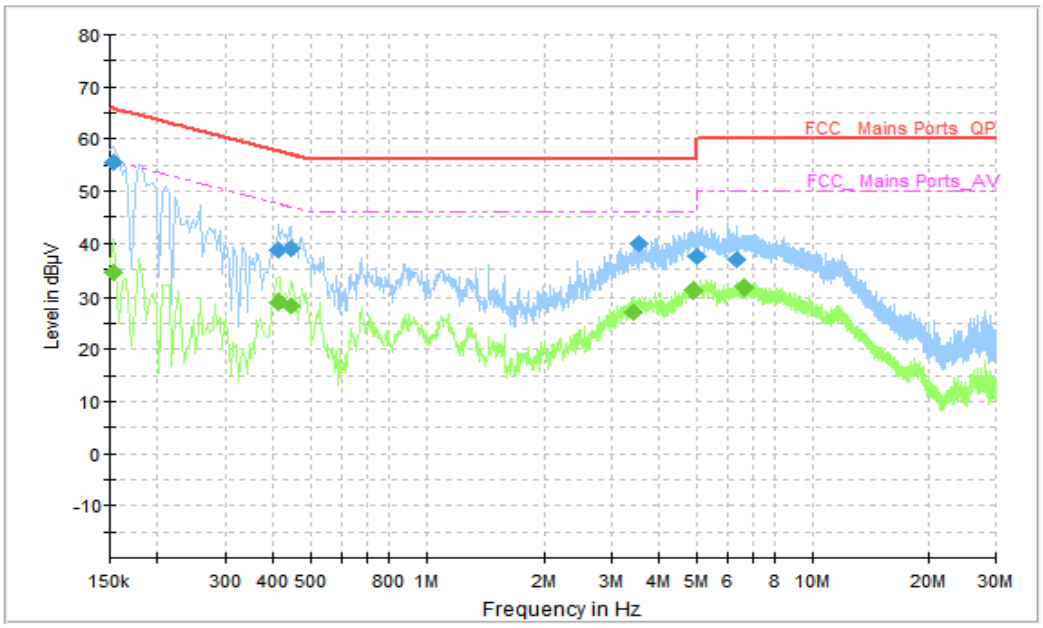


Figure A.2.5. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.154000	55.47	65.78	10.31	L1	10	45.47
0.410000	38.66	57.65	18.99	N	10	28.66
0.446000	39.03	56.95	17.92	N	10	29.03
3.522000	39.94	56.00	16.06	N	10	29.94
4.978000	37.54	56.00	18.46	N	10	27.54
6.350000	36.85	60.00	23.15	L1	10	26.85

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.154000	34.34	55.78	21.44	L1	10	24.34
0.410000	28.86	47.65	18.79	N	10	18.86
0.446000	28.35	46.95	18.60	N	10	18.35
3.410000	27.15	46.00	18.85	N	10	17.15
4.894000	31.18	46.00	14.82	L1	10	21.18
6.618000	31.72	50.00	18.28	L1	10	21.72

AC Input Port/ Voltage: 240V/60Hz

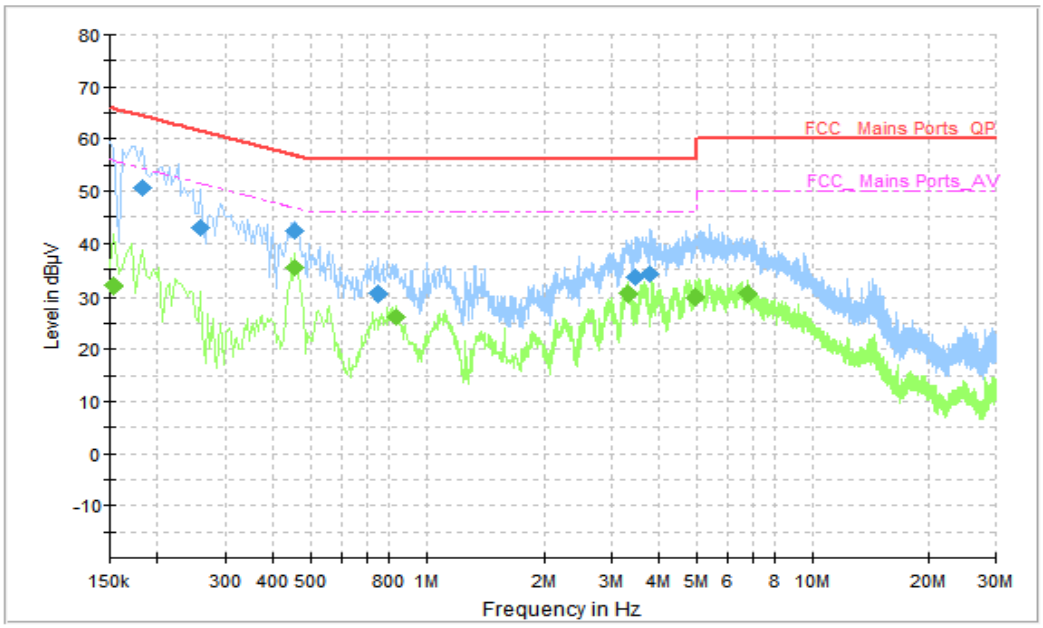


Figure A.2.6. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.182000	50.58	64.39	13.81	N	10	40.58
0.258000	42.86	61.50	18.63	L1	10	32.86
0.454000	42.46	56.80	14.34	L1	10	32.46
0.746000	30.56	56.00	25.44	N	10	20.56
3.442000	33.52	56.00	22.48	L1	10	23.52
3.766000	34.12	56.00	21.88	N	10	24.12

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.154000	32.01	55.78	23.77	N	10	22.01
0.454000	35.31	46.80	11.49	N	10	25.31
0.834000	26.05	46.00	19.95	N	10	16.05
3.322000	30.42	46.00	15.58	L1	10	20.42
4.962000	29.83	46.00	16.17	N	10	19.83
6.802000	30.42	50.00	19.58	L1	10	20.42

AC Input Port/ Voltage: 120V/60Hz

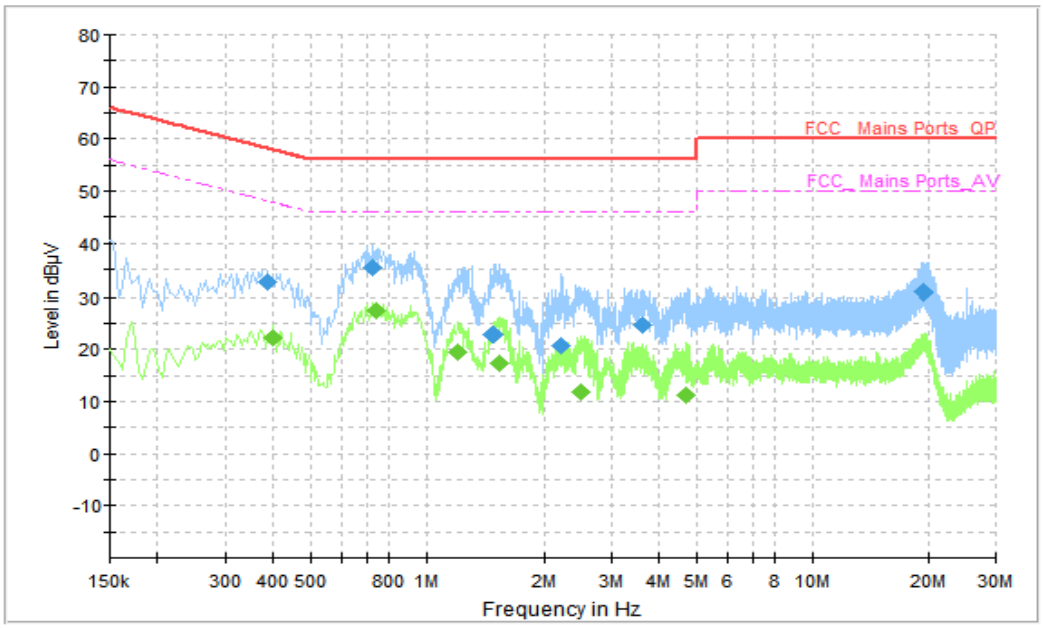


Figure A.2.7. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.386000	32.52	58.15	25.63	N	10	22.52
0.722000	35.27	56.00	20.73	N	10	25.27
1.482000	22.75	56.00	33.25	N	10	12.75
2.218000	20.77	56.00	35.23	N	10	10.77
3.614000	24.75	56.00	31.25	N	10	14.75
19.522000	30.82	60.00	29.18	N	10	20.82

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.398000	22.35	47.90	25.55	L1	10	12.35
0.742000	27.26	46.00	18.74	L1	10	17.26
1.210000	19.48	46.00	26.52	L1	10	9.48
1.526000	17.44	46.00	28.56	L1	10	7.44
2.502000	11.77	46.00	34.23	L1	10	1.77
4.706000	11.14	46.00	34.86	L1	10	1.14

AC Input Port/ Voltage: 240V/60Hz

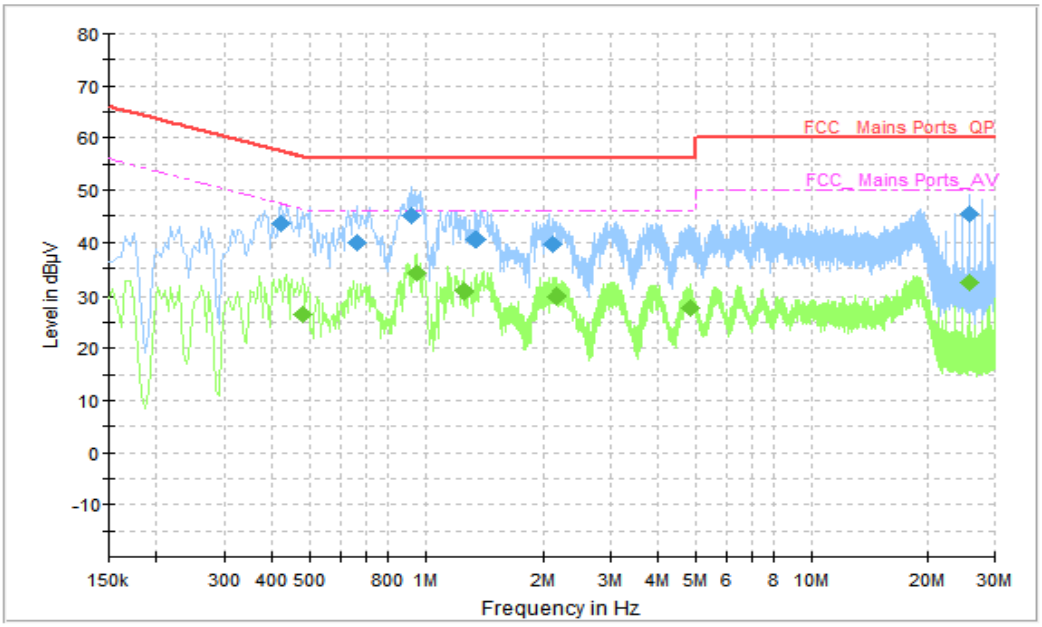


Figure A.2.8. Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.422000	43.67	57.41	13.73	N	10	33.67
0.662000	39.96	56.00	16.04	N	10	29.96
0.918000	45.23	56.00	10.77	N	10	35.23
1.350000	40.44	56.00	15.56	N	10	30.44
2.130000	39.67	56.00	16.33	N	10	29.67
25.678000	45.43	60.00	14.57	N	10	35.43

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.478000	26.46	46.37	19.91	N	10	16.46
0.946000	34.20	46.00	11.80	L1	10	24.2
1.254000	30.87	46.00	15.13	N	10	20.87
2.166000	29.73	46.00	16.27	N	10	19.73
4.818000	27.75	46.00	18.25	N	10	17.75
25.670000	32.22	50.00	17.78	N	10	22.22

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