



TEST REPORT

No.I22N00113-EMC

for

TCL Communication Ltd.

tablet PC

Model Name: 9132G

With

Hardware Version: PIO

Software Version: CS53

FCC ID: 2ACCJB177

Issued Date: 2022-03-16

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
I22N00113-EMC	Rev.0	1st edition	2022-03-16

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	tablet PC
Model Name	9132G
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

FCC Part 15, Subpart B (10-1-2020 Edition); ANSI C63.4-2014.

1.3. Test Result

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

1.4. Testing Location

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

1.5. Project data

Testing Start Date: 2022-02-15

Testing End Date: 2022-03-02

1.6. Signature

Liang Yong
(Prepared this test report)

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(Reviewed this test report)

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(Approved this test report)



2. CLIENT INFORMATION

2.1. Applicant Information

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2.2. Manufacturer Information

Company Name: TCL Communication Ltd.
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Email: peter.yang@tcl.com
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Fax: +86 755 3661 2000-81722



3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT

(AE)

3.1. About EUT

Description	tablet PC
Model Name	9132G
FCC ID	2ACCJB177
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
UT01aa	355493380000198	PIO	CS53	2022-02-10
UT03aa	355493380000164	PIO	CS53	2022-02-10

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

3.3. Internal Identification of AE

AE ID*	Description
AE1	Battery
AE2	Charger
AE3	USB Cable
AE4	Headset

AE1

Model	CAC4000018C7
Manufacturer	VEKEN
Capacity	4000mAh
Nominal Voltage	3.85 V

AE2

Model	CBA0058AGTC5
Manufacturer	PUAN

AE3-1

Model	CDA0000162C2
Manufacturer	SHENGHUA

AE3-2

Model	CDA0000162C1
Manufacturer	JUWEI

AE4

Model	Ha01
Manufacturer	/



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

AE: ancillary equipment

AE4: Just for testing.

3.4. EUT Set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT+AE1+AE2+AE3-1	
Set.2	EUT+AE1+AE2+AE3-2	
Set.3	EUT+AE1+AE2+AE3-1+AE4	
Set.4	EUT+AE1+AE2+AE3-2+AE4	
Set.5	EUT+AE1+AE3-1+PC	
Set.6	EUT+AE1+AE3-2+PC	



3.5. General Description

The Equipment Under Test (EUT) is a model of tablet PC.

It supports GSM 850/900/1800/1900MHz, WCDMA Bands 1/2/4/5/8, LTE Bands 1/2/3/4/5/7/8/12/13/17/20/28/38/40/41/66.

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

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

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

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



4. REFERENCE DOCUMENTS

4.1. Reference Documents for Testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices	(10-1-2020 Edition)
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

5. LABORATORY ENVIRONMENT

Semi-anechoic chamber did not exceed following limits along the EMC testing:

9.10m×6.10m×5.60m (L×W×H)

Temperature	Min. = 15 °C, Max. = 35°C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-18000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω
Normalised site attenuation (NSA)	<±4 dB, 3 m distance, from 30 to 1000 MHz

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

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. =20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz,>60dB; 1MHz-10000MHz,>90dB
Electrical insulation	>2MΩ
Ground system resistance	<4Ω

Fully-anechoic chamber did not exceed following limits along the EMC testing:

9.10m×6.10m×5.60m (L×W×H)

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

6. SUMMARY OF TEST RESULTS

6.1. Testing Environment

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

6.2. Summary of Measurement Results

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

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

6.3. Statement

6.3.1 Statements of conformity

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

7. MEASUREMENT UNCERTAINTY

Test item	Frequency ranges	Measurement uncertainty
Radiated Emission	30MHz-1GHz	4.86dB(k=2)
	1GHz-18GHz	4.82dB(k=2)
	18GHz-40GHz	2.90dB(k=2)
Conducted Emission	150kHz-30MHz	2.62dB(k=2)

8. MEASURING APPARATUS UTILIZED

No.	Name	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1.	Test Receiver	ESR7	101676	R&S	2022.11.24	1 year
2.	Test Receiver	ESCI	100702	R&S	2023.01.12	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2023.01.12	1 year
4.	BiLog Antenna	3142E	0224831	ETS-Lindgren	2024.05.27	3 years
5.	Horn Antenna	3117	00066577	ETS-Lindgren	2022.04.02	3 years
6.	LISN	ENV216	102067	R&S	2022.07.15	1 year
7.	Chamber	FACT3-2.0	1285	ETS-Lindgren	2023.05.29	2 years
8.	Software	EMC32	V10.50.40	R&S	/	/
9.	Universal Radio Communication Tester	CMU200	114545	R&S	2023.01.12	1 year
10.	Universal Radio Communication Tester	CMW500	152499	R&S	2022.07.15	1 year
11.	Horn Antenna	QSH-SL-18-2 6-S-20	17013	Q-par	2023.01.06	3 years
12.	Horn Antenna	QSH-SL-8-26- 40-K-20	17014	Q-par	2023.01.06	3 years
13.	Signal Generator	SMB100A	179725	R&S	2022.11.24	1 year



9. TEST ACCESSORY UTILIZED

No.	Name	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1.	PC	ThinkPad T480	PF-13LW0C	Lenovo	/	/
2.	Printer	P1008	VNF6C12491	HP	/	/
3.	Mouse	MOEUUOA	44NY517	Lenovo	/	/

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission (§15.109(a))

Reference

FCC: Part 15.109(a)

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator at a distance of 3 meters or 1 meter is tested. Tested in accordance with the procedures of ANSI C63.4 -2014, section 8.3. The EUT was placed on a non-conductive table. Below 18GHz the measurement antenna was placed at a distance of 3 meters from the EUT. Above 18GHz the measurement antenna was placed at a distance of 1 meters from the EUT. (According to Part 15.31(f)(1), 1m limit is calculated by extrapolation factor of 20 dB/decade) During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode:

Camera: At the beginning of measurement, the battery is completely discharged. The battery and charger are installed so that the EUT works well and keeping on taking photos.

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

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

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

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

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

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

This device contains the receivers which tune and operate between 30MHz-960MHz in the following bands:

GSM850MHz, WCDMA Band5, LTE Band 5, LTE Band 12, LTE Band 13, LTE Band 17.

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

case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

A.1.3 Measurement Limit

Limit from Part 15.109(a)

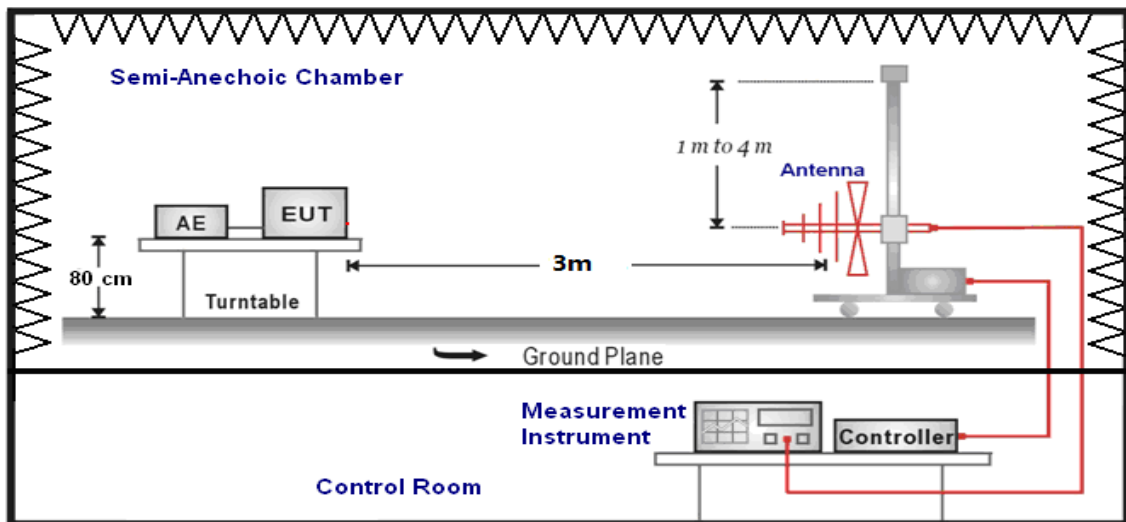
Frequency range (MHz)	Field strength limit ($\mu\text{V/m}$)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

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

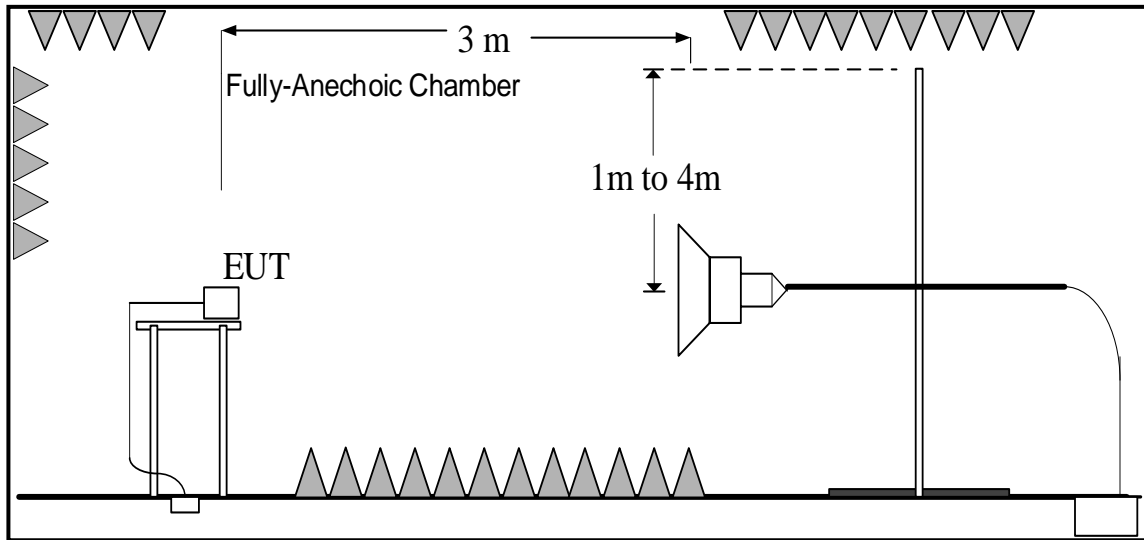
A.1.4 Test Condition

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} : PathLoss

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
		UT01aa/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
			UT01aa/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
		UT01aa/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
			UT01aa/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.	

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.3	
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
			UT01aa/Set.3	
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.	

GSM receiver 850MHz

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/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
			UT01aa/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.	

WCDMA receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/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
			UT01aa/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 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/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
			UT01aa/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 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/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
			UT01aa/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 13

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/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
			UT01aa/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 17

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/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
			UT01aa/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.	

Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.2	
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
			UT01aa/Set.2	
1000 to 18000	54.00	74.00	See Figure A.1.38.	P
18000 to 26500	63.54	83.54	See Figure A.1.39.	
26500 to 40000	63.54	83.54	See Figure A.1.40.	

Data Transfer: PC TO EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.5	
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
			UT01aa/Set.5	
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
		UT01aa/Set.5	
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
			UT01aa/Set.5	
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 TF Card

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.5	
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
			UT01aa/Set.5	
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: TF Card TO PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.5	
30-88	40.00	See Figure A.1.53.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.5	
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: EUT TO PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.6	
30-88	40.00	See Figure A.1.57.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.6	
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.	

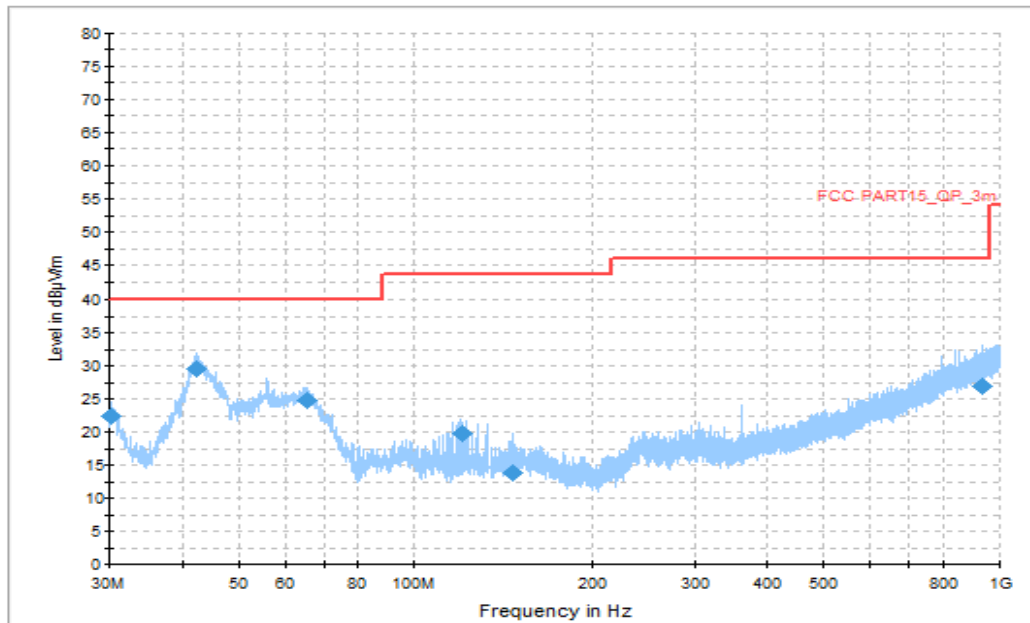


Figure A.1.1. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.242500	22.46	40.00	17.54	V	-23.73	46.19
42.319000	29.62	40.00	10.38	V	-21.91	51.53
65.259500	24.83	40.00	15.17	V	-23.90	48.73
120.986000	19.67	43.50	23.83	H	-24.08	43.75
145.963500	13.76	43.50	29.74	V	-22.82	36.58
935.058500	26.99	46.00	19.01	V	-9.08	36.07

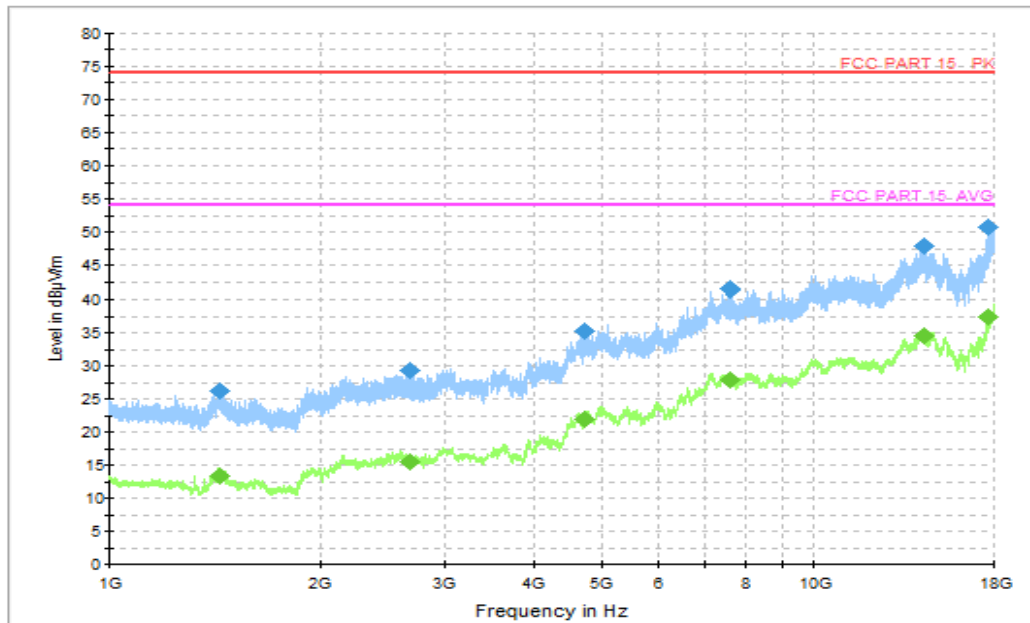


Figure A.1.2. Radiated Emission (Camera , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1434.000000	26.07	74.00	47.93	V	-19.85	45.92
2680.600000	29.29	74.00	44.71	H	-15.43	44.72
4713.600000	35.14	74.00	38.86	V	-7.26	42.40
7604.000000	41.44	74.00	32.56	H	-1.29	42.73
14341.500000	47.77	74.00	26.23	V	6.48	41.29
17694.400000	50.60	74.00	23.40	H	11.34	39.26

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1434.000000	13.29	54.00	40.71	V	-19.85	33.14
2680.600000	15.54	54.00	38.46	H	-15.43	30.97
4713.600000	21.84	54.00	32.16	V	-7.26	29.10
7604.000000	27.94	54.00	26.06	H	-1.29	29.23
14341.500000	34.48	54.00	19.52	V	6.48	28
17694.400000	37.36	54.00	16.64	H	11.34	26.02

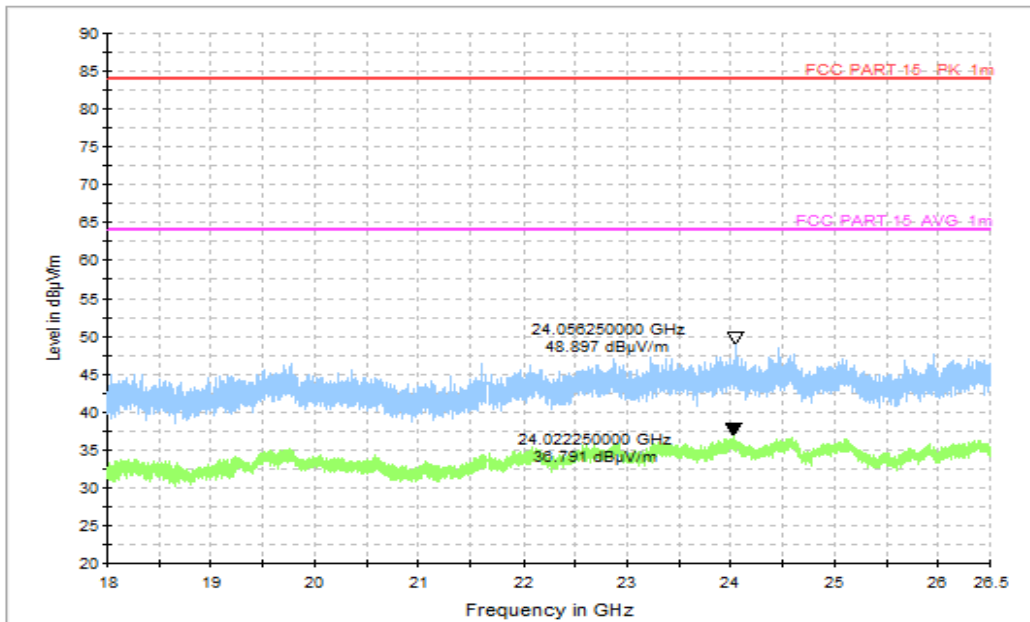


Figure A.1.3. Radiated Emission (Camera , 18GHz to 26.5GHz)

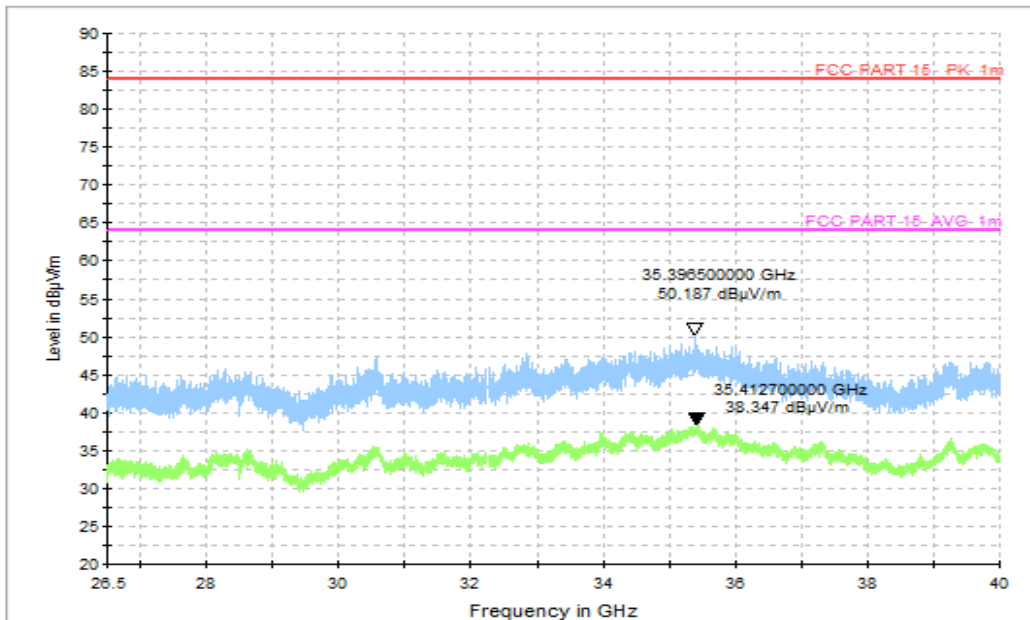


Figure A.1.4. Radiated Emission (Camera , 26.5GHz to 40GHz)

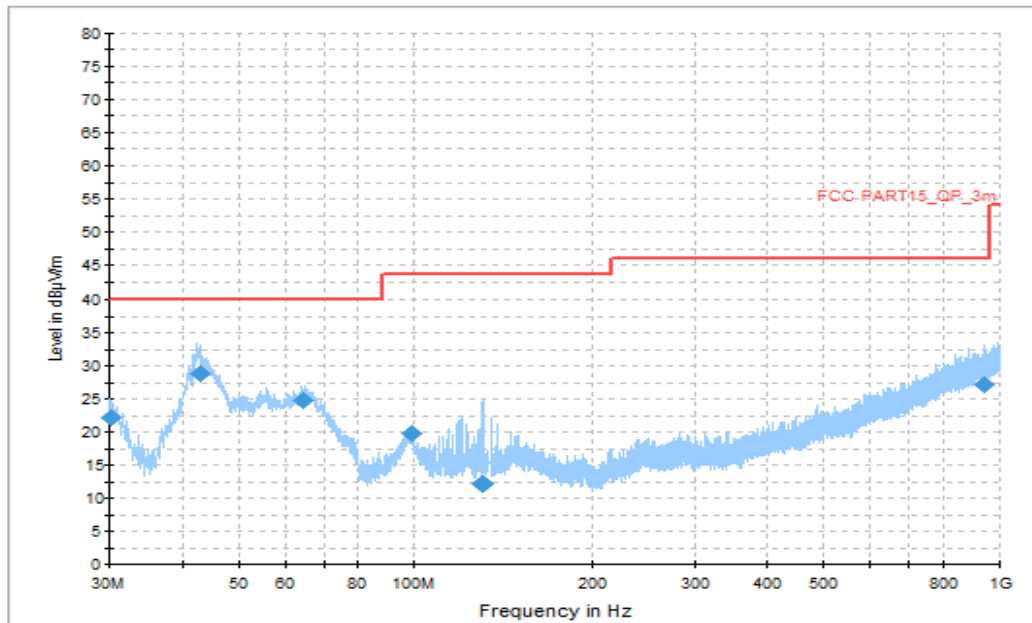


Figure A.1.5. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.291000	22.07	40.00	17.93	V	-23.73	45.80
42.949500	28.72	40.00	11.28	V	-21.94	50.66
64.726000	24.72	40.00	15.28	H	-23.81	48.53
99.209500	19.86	43.50	23.64	H	-26.18	46.04
130.977000	12.11	43.50	31.39	V	-23.45	35.56
943.012500	27.07	46.00	18.93	H	-8.95	36.02

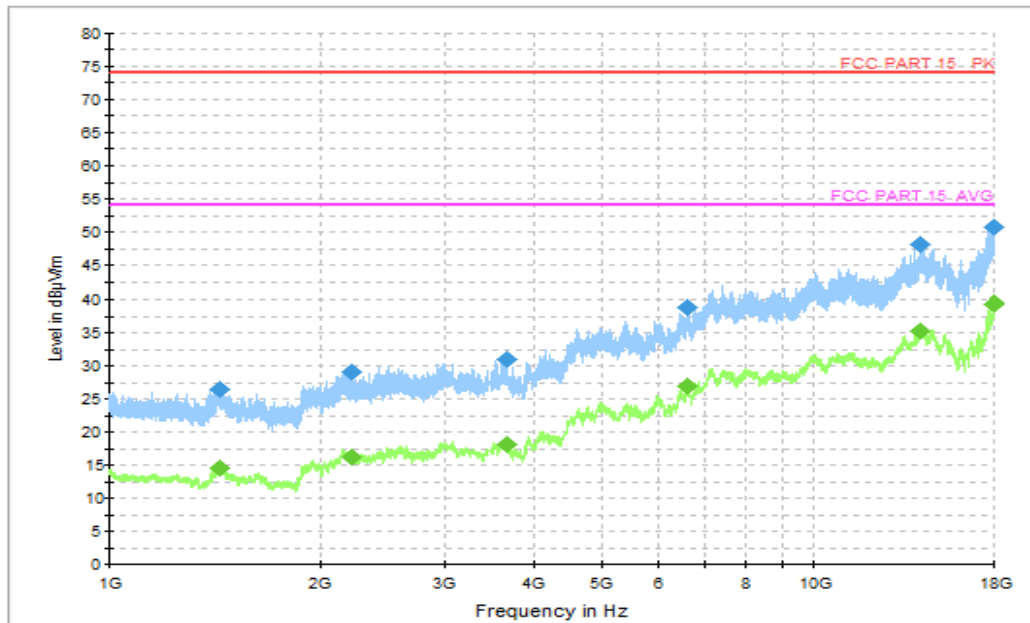


Figure A.1.6. Radiated Emission (Video Player , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1433.800000	26.42	74.00	47.58	H	-19.85	46.27
2208.000000	29.13	74.00	44.87	V	-15.95	45.08
3648.000000	31.06	74.00	42.94	H	-12.78	43.84
6618.400000	38.73	74.00	35.27	V	-4.00	42.73
14160.500000	48.16	74.00	25.84	V	6.93	41.23
17994.800000	50.62	74.00	23.38	V	12.88	37.74

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1433.800000	14.57	54.00	39.43	H	-19.85	34.42
2208.000000	16.25	54.00	37.75	V	-15.95	32.2
3648.000000	18.15	54.00	35.85	H	-12.78	30.93
6618.400000	26.94	54.00	27.06	V	-4.00	30.94
14160.500000	35.20	54.00	18.80	V	6.93	28.27
17994.800000	39.33	54.00	14.67	V	12.88	26.45

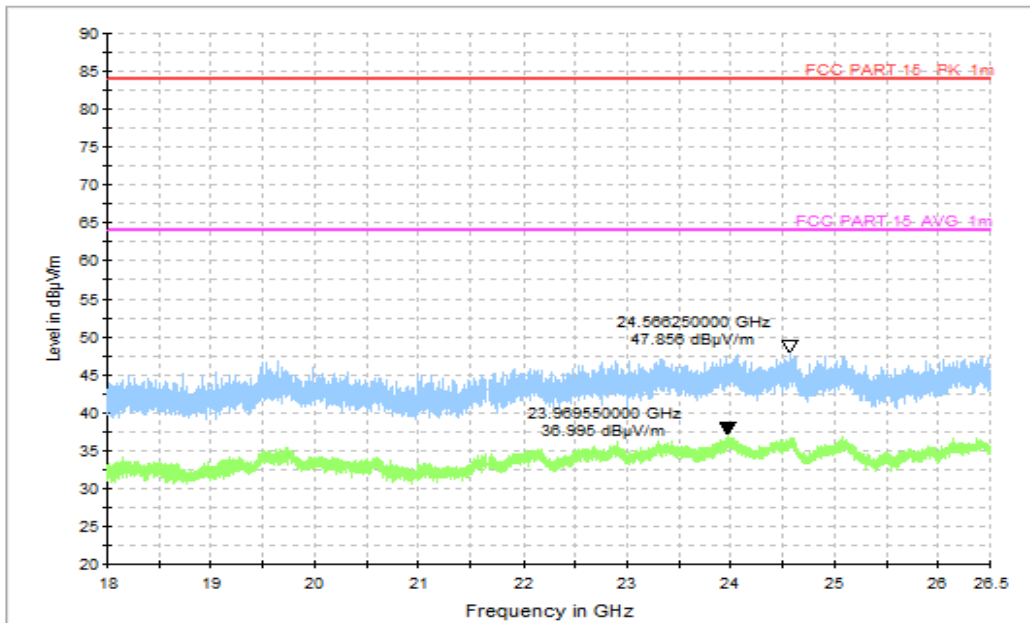


Figure A.1.7. Radiated Emission (Video Player , 18GHz to 26.5GHz)

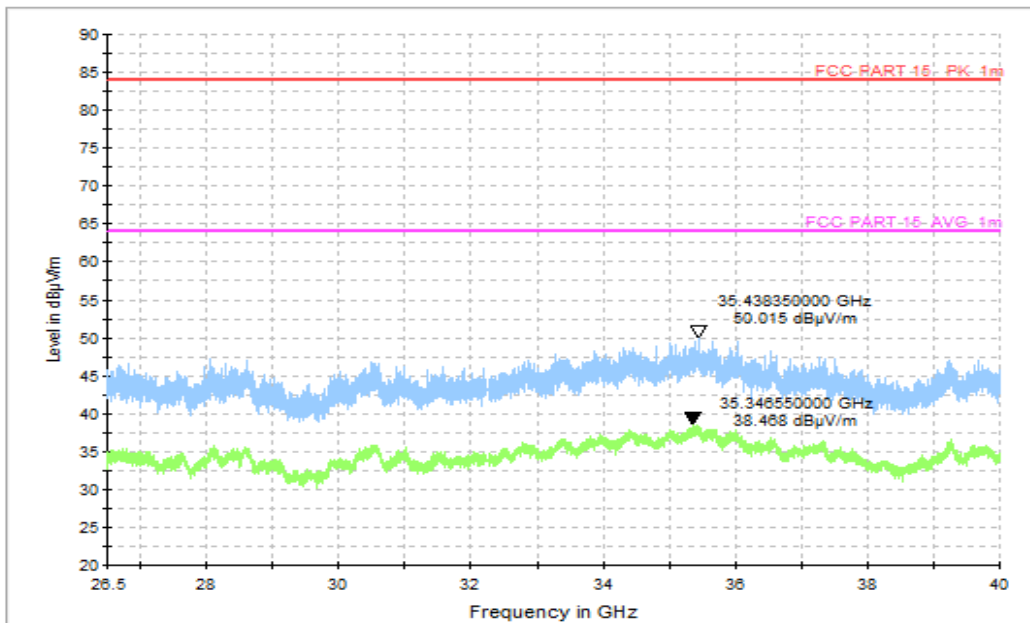
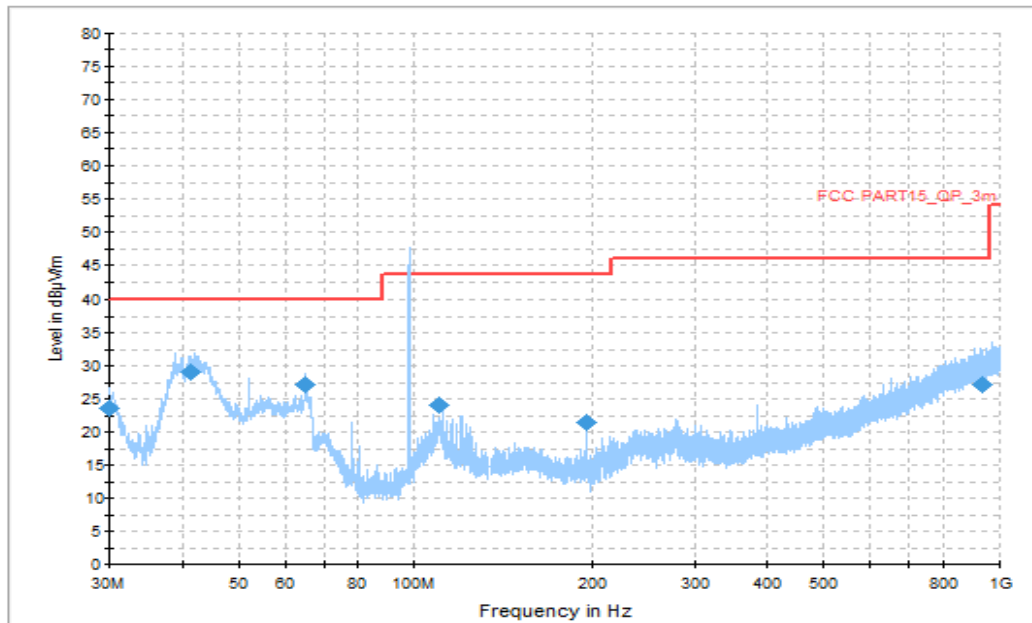


Figure A.1.8. Radiated Emission (Video Player , 26.5GHz to 40GHz)



Note: the spike over the limit is coming from the Signal Generator traffic carrier.

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

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.097000	23.46	40.00	16.54	V	-23.75	47.21
41.494500	29.07	40.00	10.93	V	-21.88	50.95
64.968500	27.03	40.00	12.97	H	-23.85	50.88
110.558500	24.04	43.50	19.46	H	-25.08	49.12
195.967000	21.39	43.50	22.11	H	-25.52	46.91
935.058500	27.02	46.00	18.98	V	-9.08	36.10

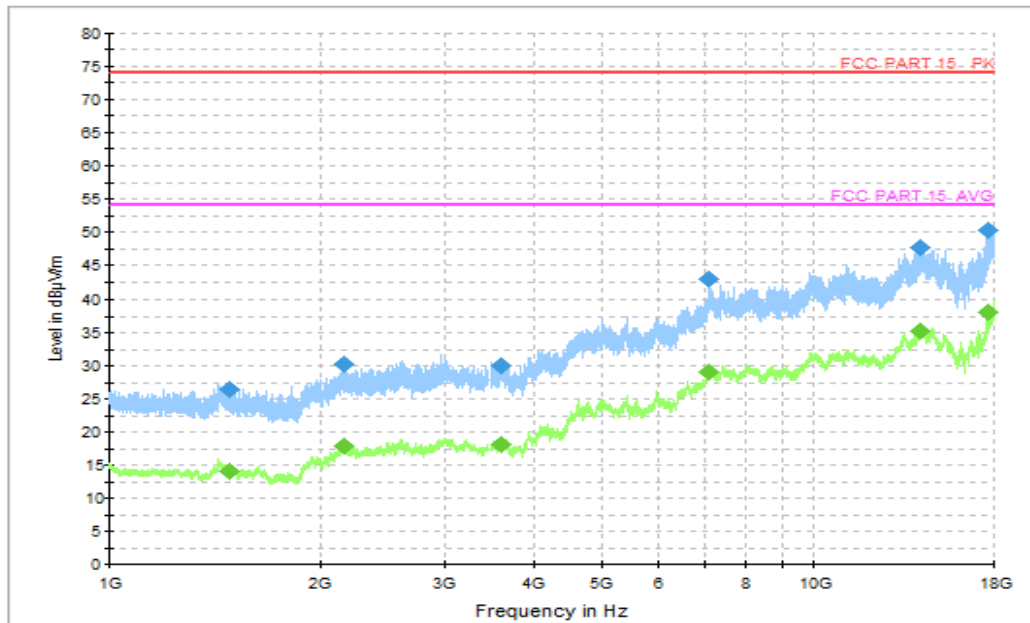


Figure A.1.10. Radiated Emission (FM receiver , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1478.000000	26.42	74.00	47.58	H	-19.96	46.38
2155.400000	30.13	74.00	43.87	V	-16.39	46.52
3591.200000	29.96	74.00	44.04	H	-12.99	42.95
7084.800000	42.74	74.00	31.26	H	-1.01	43.75
14163.500000	47.60	74.00	26.40	V	6.96	40.64
17701.200000	50.23	74.00	23.77	V	11.38	38.85

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1478.000000	14.00	54.00	40.00	H	-19.96	33.96
2155.400000	17.89	54.00	36.11	V	-16.39	34.28
3591.200000	18.21	54.00	35.79	H	-12.99	31.20
7084.800000	28.94	54.00	25.06	H	-1.01	29.95
14163.500000	35.30	54.00	18.70	V	6.96	28.34
17701.200000	38.21	54.00	15.79	V	11.38	26.83

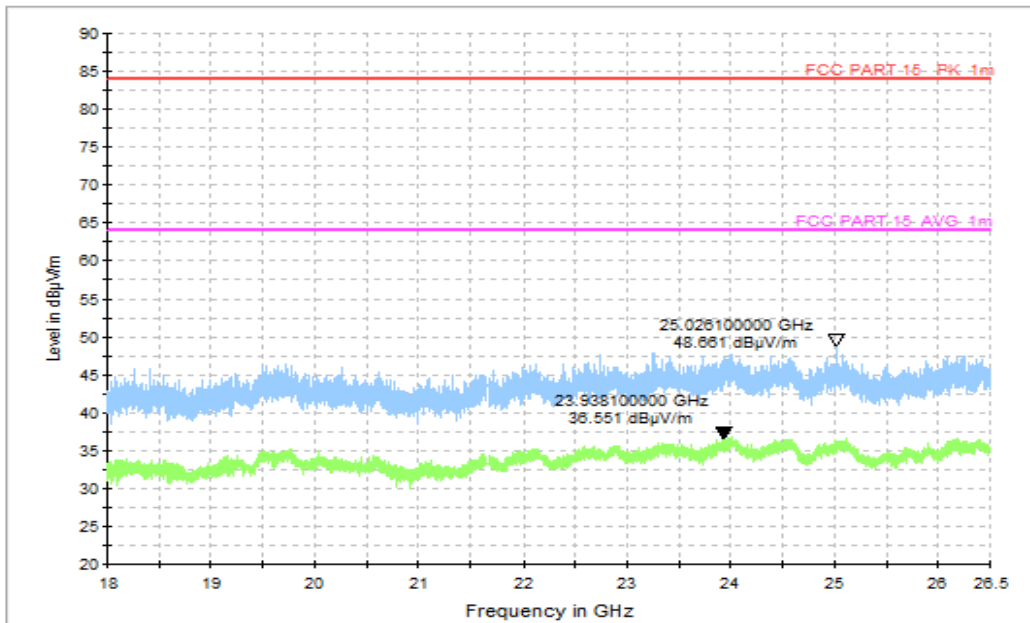


Figure A.1.11. Radiated Emission (FM receiver , 18GHz to 26.5GHz)

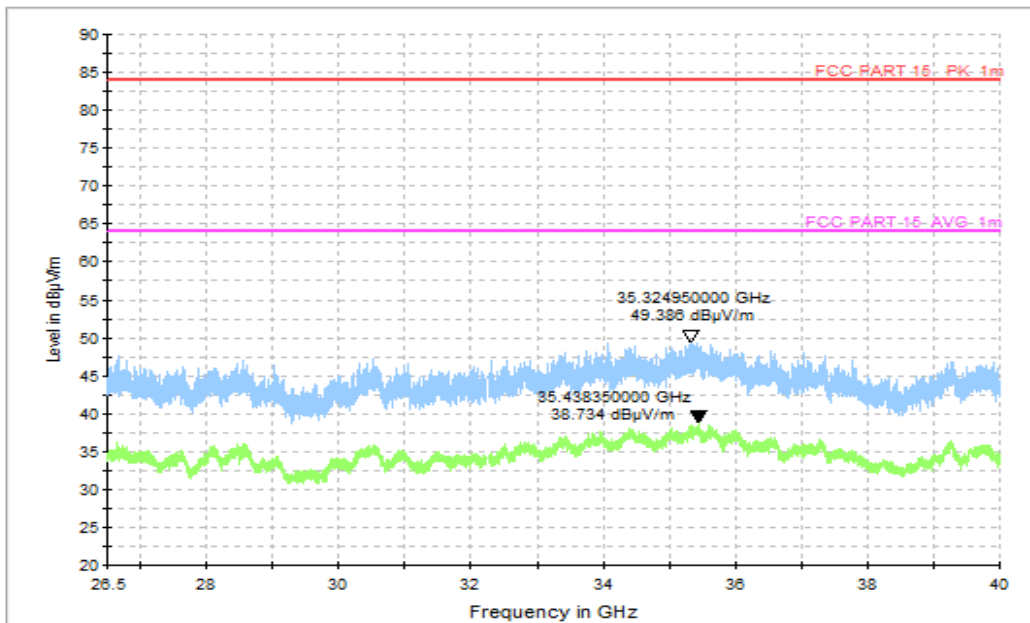


Figure A.1.12. Radiated Emission (FM receiver , 26.5GHz to 40GHz)

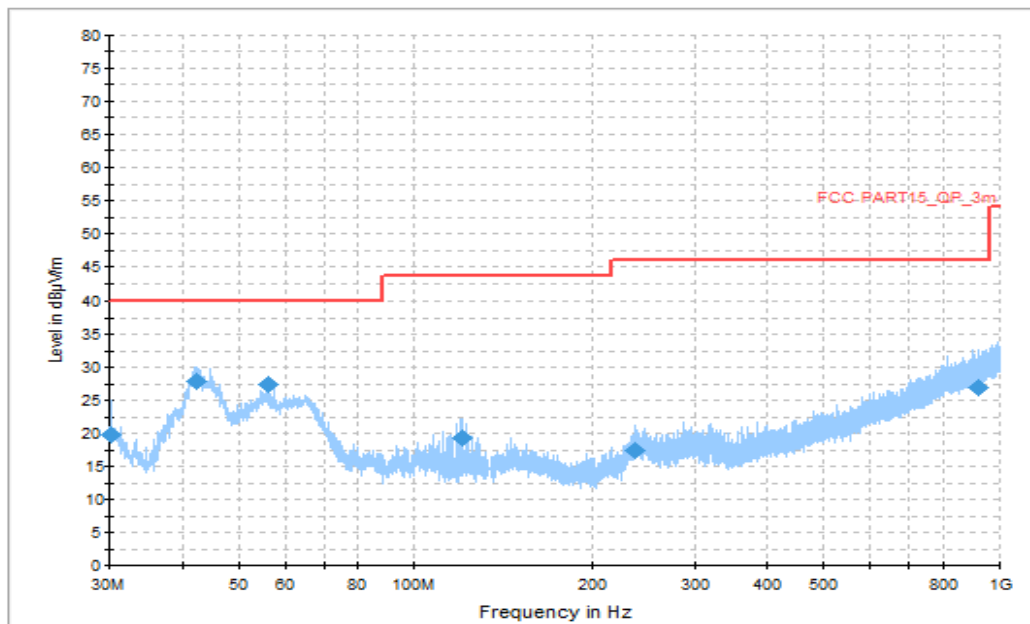


Figure A.1.13. Radiated Emission (GSM receiver 850MHz, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.242500	19.84	40.00	20.16	V	-23.73	43.57
42.270500	27.75	40.00	12.25	V	-21.91	49.66
55.996000	27.49	40.00	12.51	V	-22.69	50.18
121.131500	19.22	43.50	24.28	V	-24.07	43.29
236.513000	17.29	46.00	28.71	H	-23.81	41.1
919.490000	26.89	46.00	19.11	V	-9.20	36.09

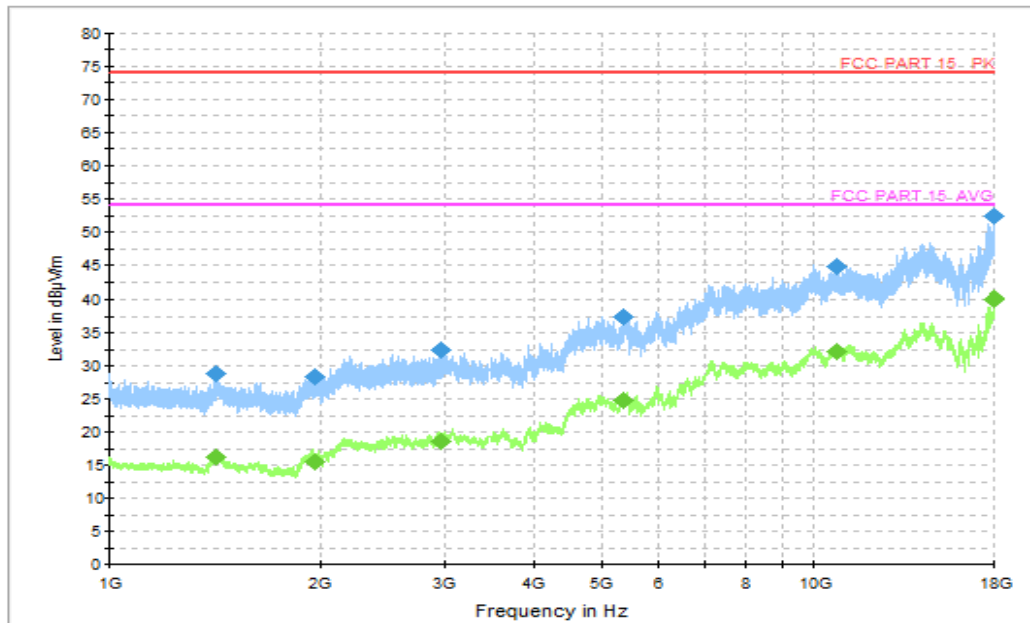


Figure A.1.14. Radiated Emission (GSM receiver 850MHz , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1416.600000	28.90	74.00	45.10	H	-19.84	48.74
1963.600000	28.43	74.00	45.60	V	-18.22	46.65
2971.800000	32.50	74.00	41.50	H	-14.32	46.82
5364.800000	37.33	74.00	36.70	H	-6.59	43.92
10788.000000	44.73	74.00	29.30	V	2.07	42.66
17999.200000	52.31	74.00	21.70	H	12.90	39.41

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1416.600000	16.12	54.00	37.90	H	-19.84	35.96
1963.600000	15.53	54.00	38.50	V	-18.22	33.75
2971.800000	18.67	54.00	35.30	H	-14.32	32.99
5364.800000	24.76	54.00	29.20	H	-6.59	31.35
10788.000000	32.23	54.00	21.80	V	2.07	30.16
17999.200000	39.94	54.00	14.10	H	12.90	27.04

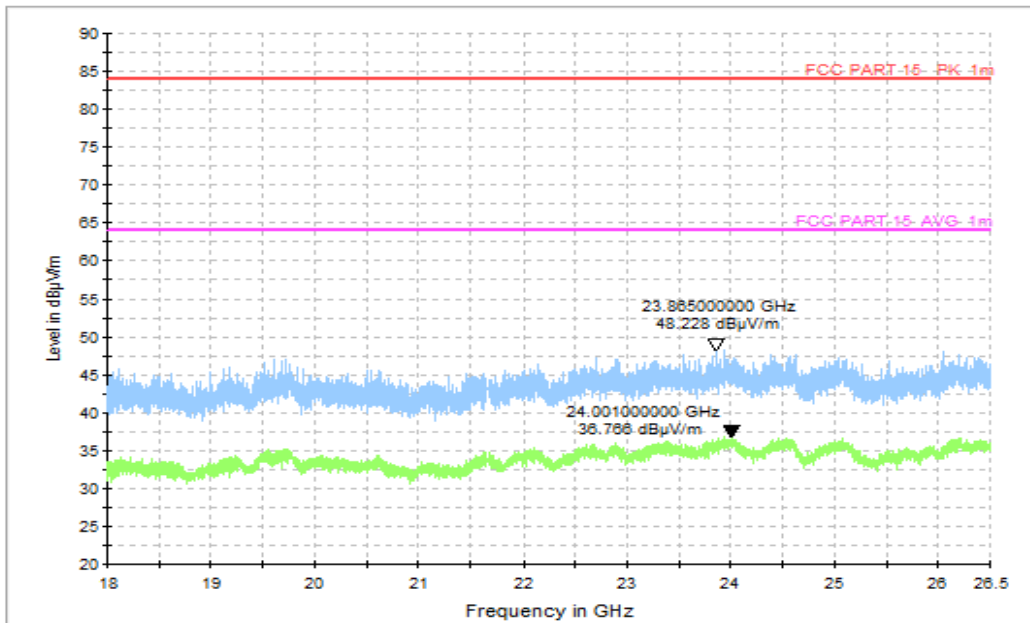


Figure A.1.15. Radiated Emission (GSM receiver 850MHz, 18GHz to 26.5GHz)

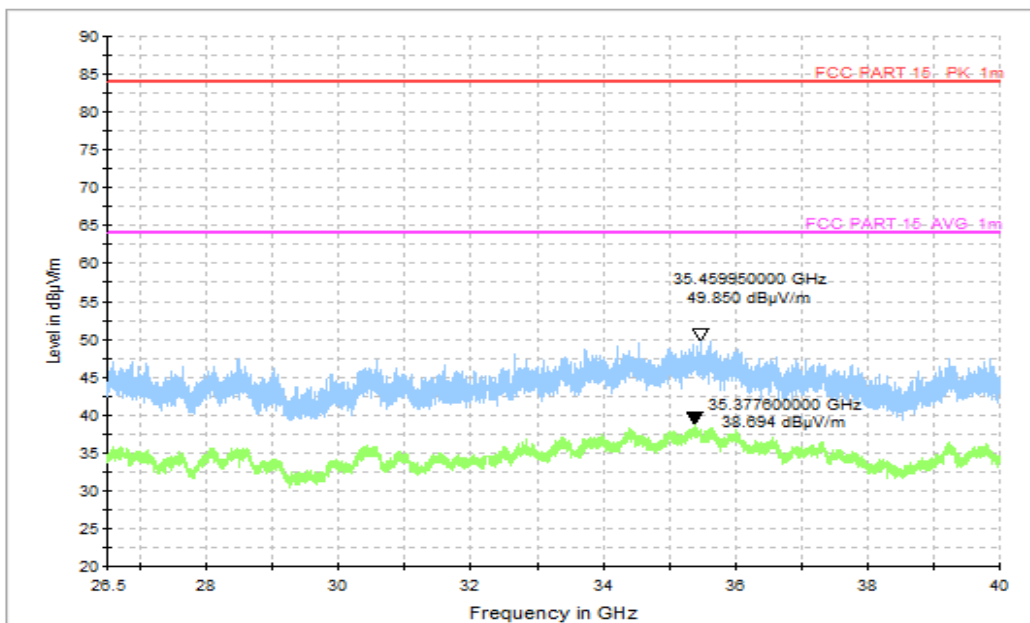


Figure A.1.16. Radiated Emission (GSM receiver 850MHz , 26.5GHz to 40GHz)

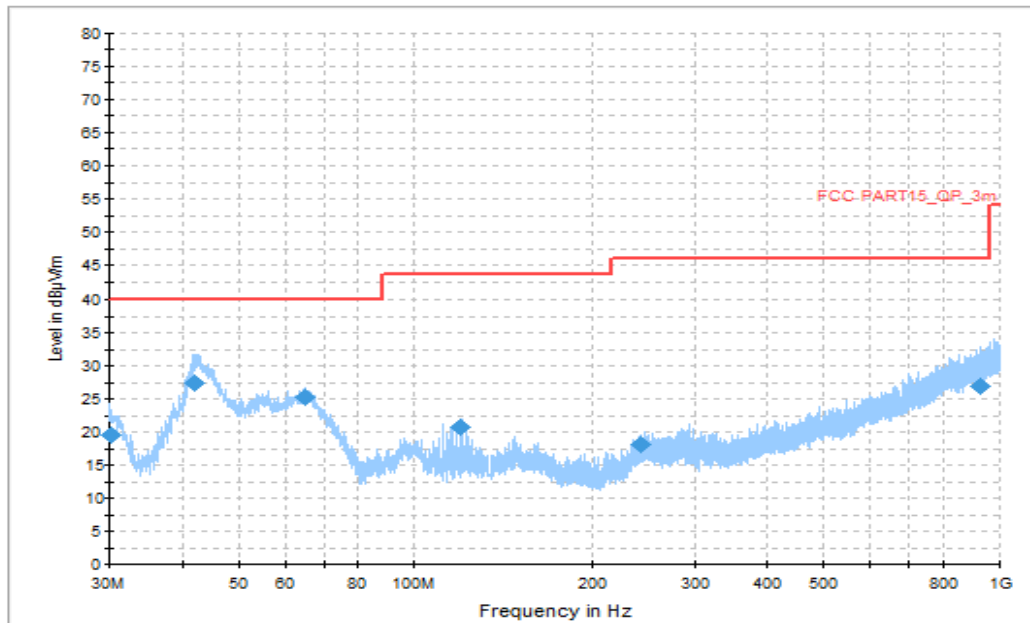


Figure A.1.17. Radiated Emission (WCDMA receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.242500	19.45	40.00	20.55	V	-23.73	43.18
41.931000	27.37	40.00	12.63	V	-21.90	49.27
65.114000	25.13	40.00	14.87	V	-23.87	49.00
119.579500	20.79	43.50	22.71	H	-24.18	44.97
242.769500	18.01	46.00	27.99	H	-23.61	41.62
926.474000	26.84	46.00	19.16	V	-9.16	36.00

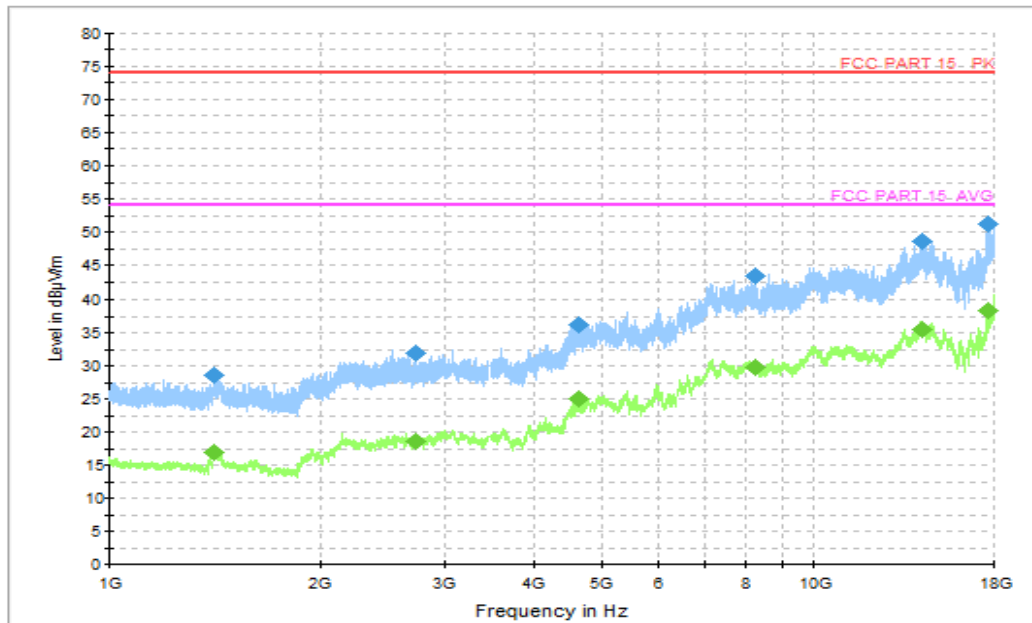


Figure A.1.18. Radiated Emission (WCDMA receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1407.800000	28.63	74.00	45.37	H	-19.83	48.46
2722.400000	31.95	74.00	42.05	V	-15.31	47.26
4613.600000	36.28	74.00	37.72	H	-8.81	45.09
8256.000000	43.44	74.00	30.56	H	-1.25	44.69
14228.000000	48.62	74.00	25.38	V	7.13	41.49
17705.200000	51.11	74.00	22.89	V	11.40	39.71

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1407.800000	16.79	54.00	37.21	H	-19.83	36.62
2722.400000	18.63	54.00	35.37	V	-15.31	33.94
4613.600000	24.93	54.00	29.07	H	-8.81	33.74
8256.000000	29.68	54.00	24.32	H	-1.25	30.93
14228.000000	35.56	54.00	18.44	V	7.13	28.43
17705.200000	38.33	54.00	15.67	V	11.40	26.93

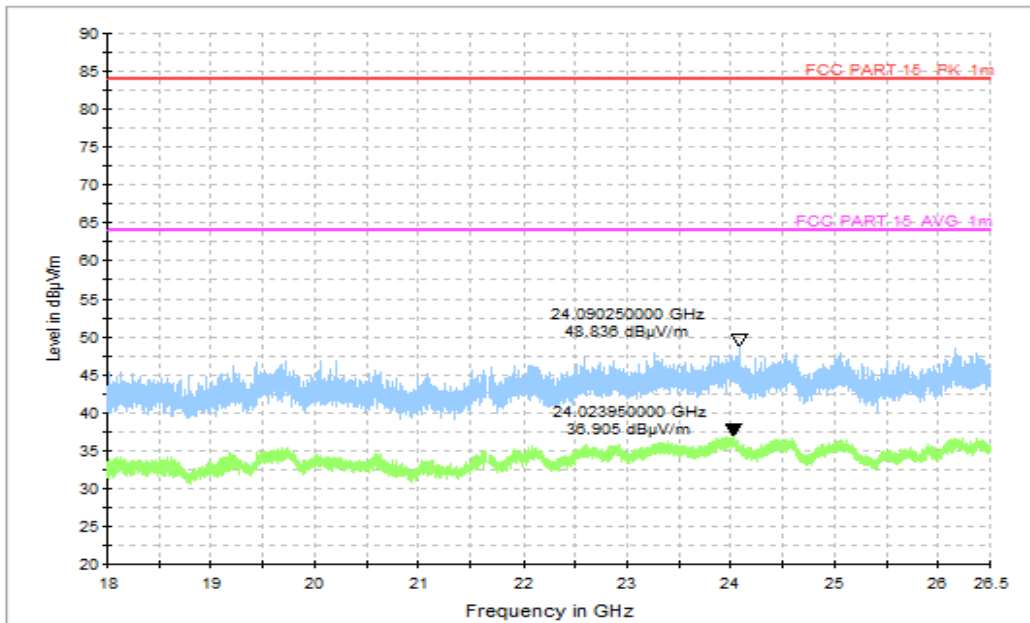


Figure A.1.19. Radiated Emission (WCDMA receiver Band 5, 18GHz to 26.5GHz)

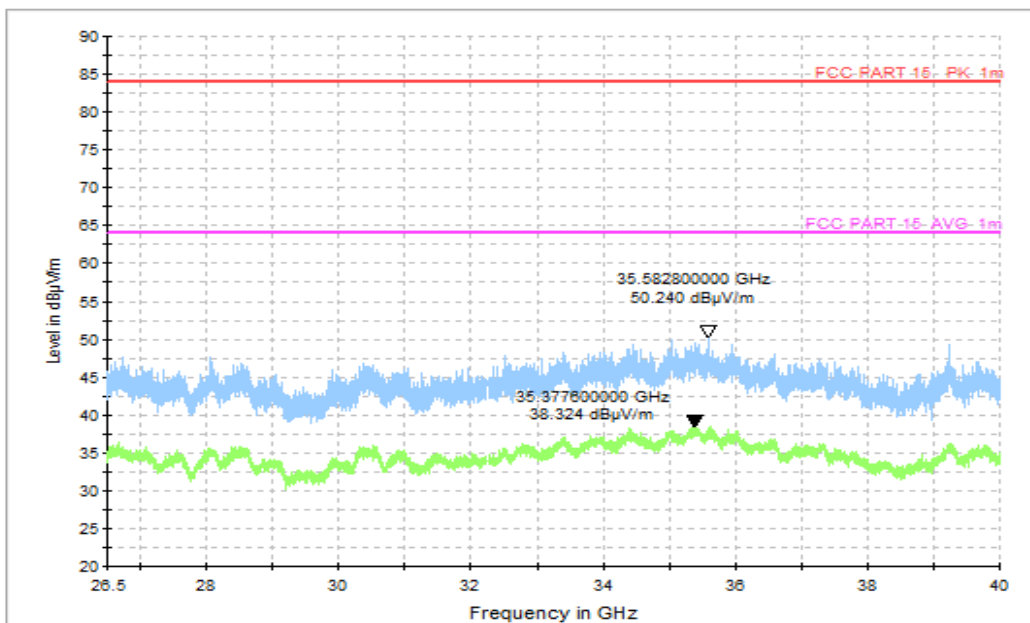


Figure A.1.20. Radiated Emission (WCDMA receiver Band 5, 26.5GHz to 40GHz)

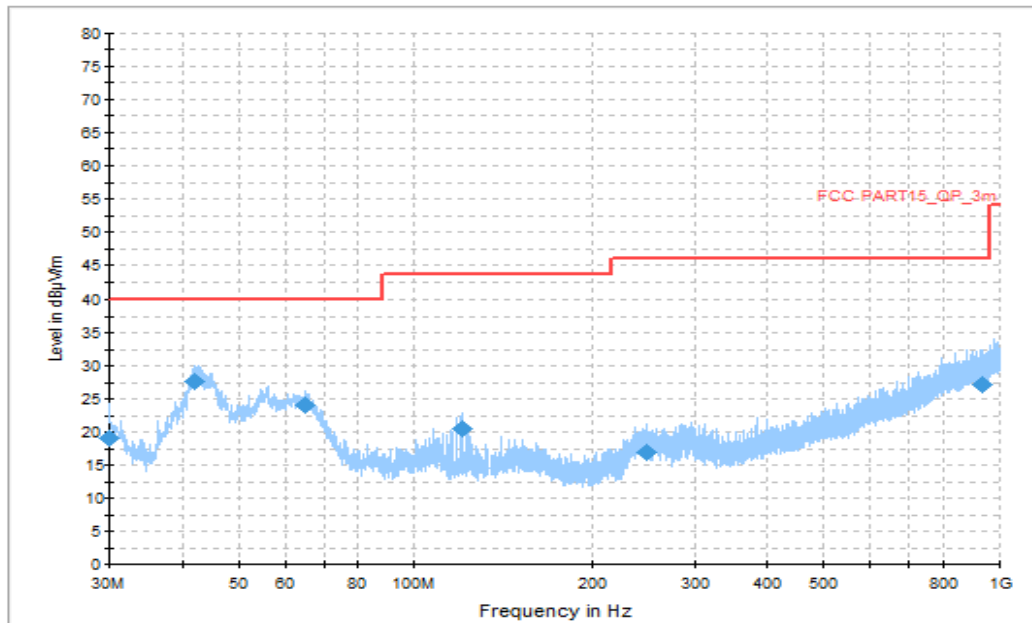


Figure A.1.21. Radiated Emission (LTE receiver Band 5, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	19.05	40.00	20.95	V	-23.76	42.81
41.931000	27.71	40.00	12.29	V	-21.90	49.61
65.114000	24.04	40.00	15.96	V	-23.87	47.91
121.131500	20.51	43.50	22.99	H	-24.07	44.58
248.444000	16.89	46.00	29.11	H	-23.68	40.57
933.167000	27.03	46.00	18.97	V	-9.10	36.13

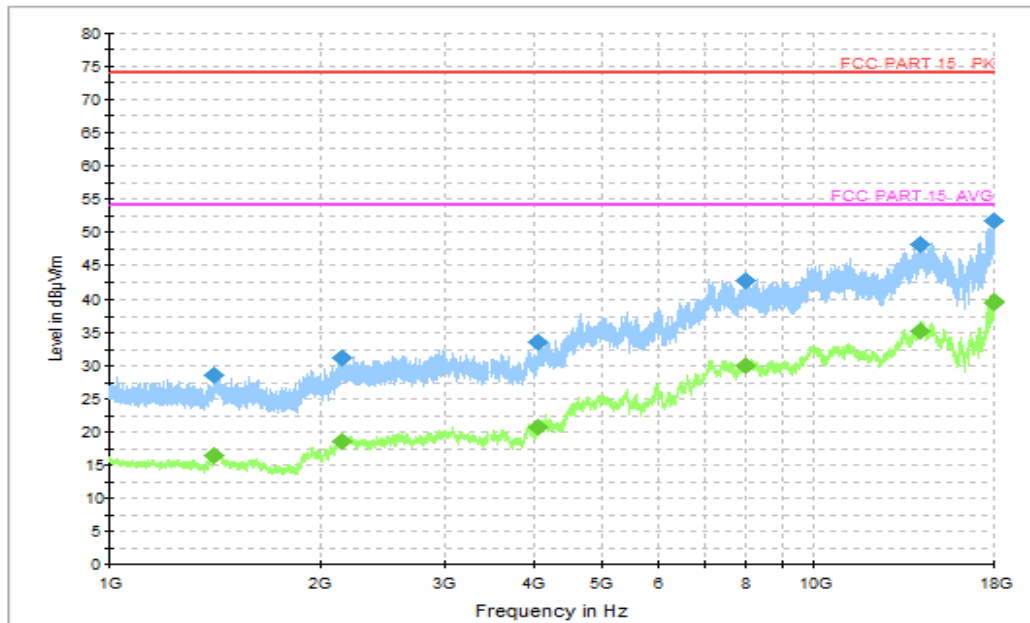


Figure A.1.22. Radiated Emission (LTE receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1411.800000	28.55	74.00	45.45	V	-19.84	48.39
2140.800000	31.10	74.00	42.90	H	-16.51	47.61
4051.200000	33.46	74.00	40.54	H	-10.93	44.39
7972.800000	42.53	74.00	31.47	V	-0.83	43.36
14127.000000	48.19	74.00	25.81	H	6.68	41.51
17991.200000	51.69	74.00	22.31	V	12.86	38.83

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1411.800000	16.40	54.00	37.60	V	-19.84	36.24
2140.800000	18.49	54.00	35.51	H	-16.51	35
4051.200000	20.60	54.00	33.40	H	-10.93	31.53
7972.800000	30.10	54.00	23.90	V	-0.83	30.93
14127.000000	35.17	54.00	18.83	H	6.68	28.49
17991.200000	39.48	54.00	14.52	V	12.86	26.62

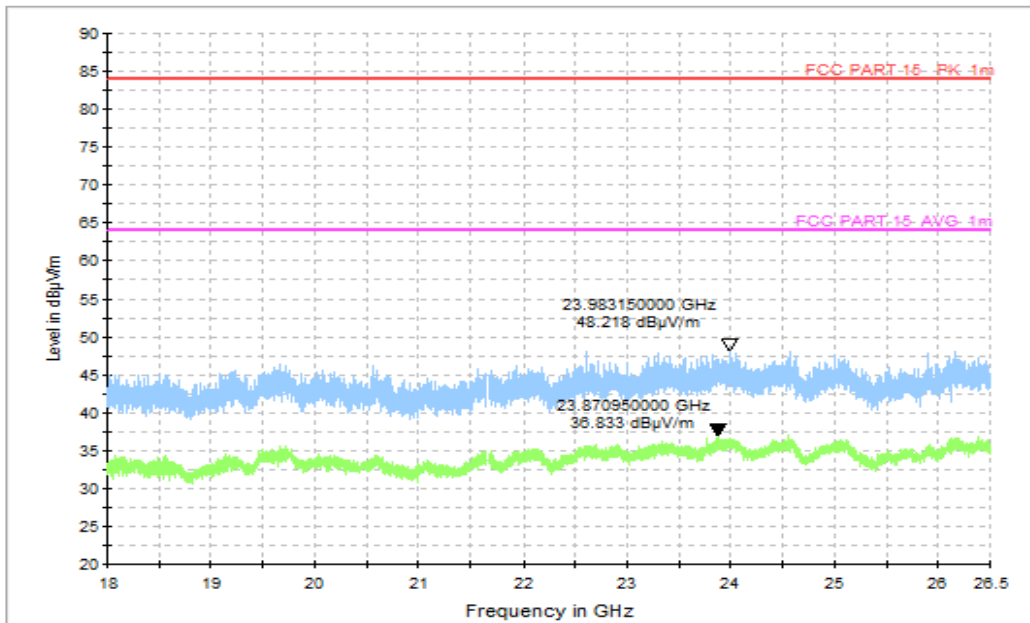


Figure A.1.23. Radiated Emission (LTE receiver Band 5, 18GHz to 26.5GHz)

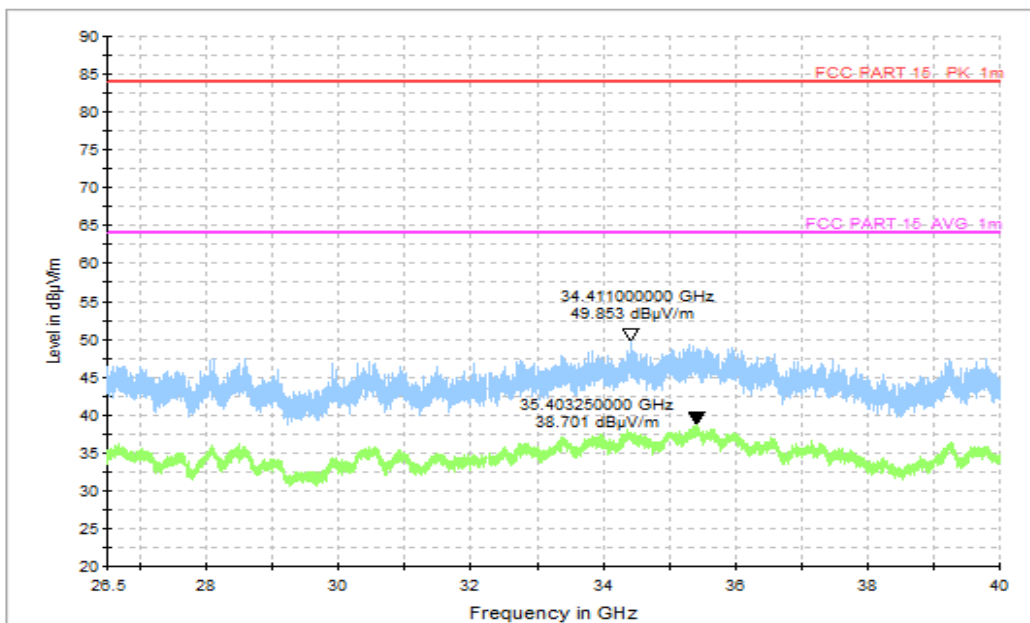


Figure A.1.24. Radiated Emission (LTE receiver Band 5, 26.5GHz to 40GHz)

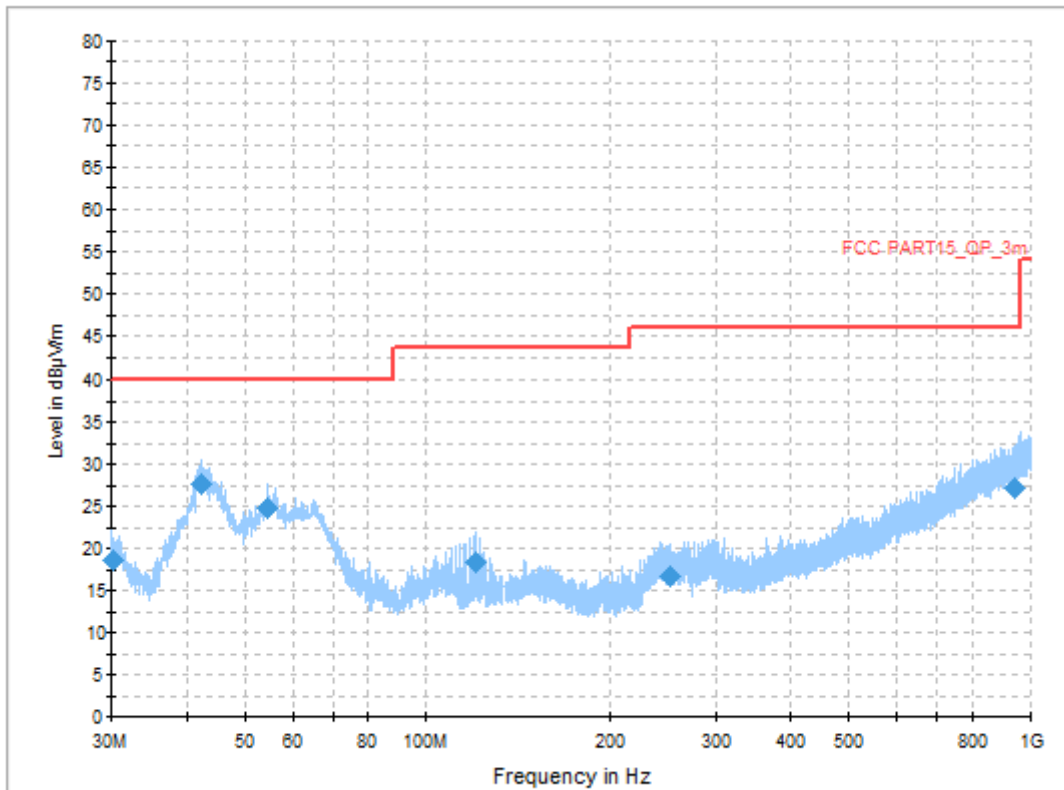


Figure A.1.25. Radiated Emission (LTE receiver Band 12, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.339500	18.69	40.00	21.31	V	-23.72	42.41
42.367500	27.65	40.00	12.35	V	-21.91	49.56
54.492500	24.83	40.00	15.17	V	-22.57	47.40
121.083000	18.34	43.50	25.16	V	-24.07	42.41
251.984500	16.68	46.00	29.32	H	-23.71	40.39
942.188000	27.06	46.00	18.94	H	-8.96	36.02

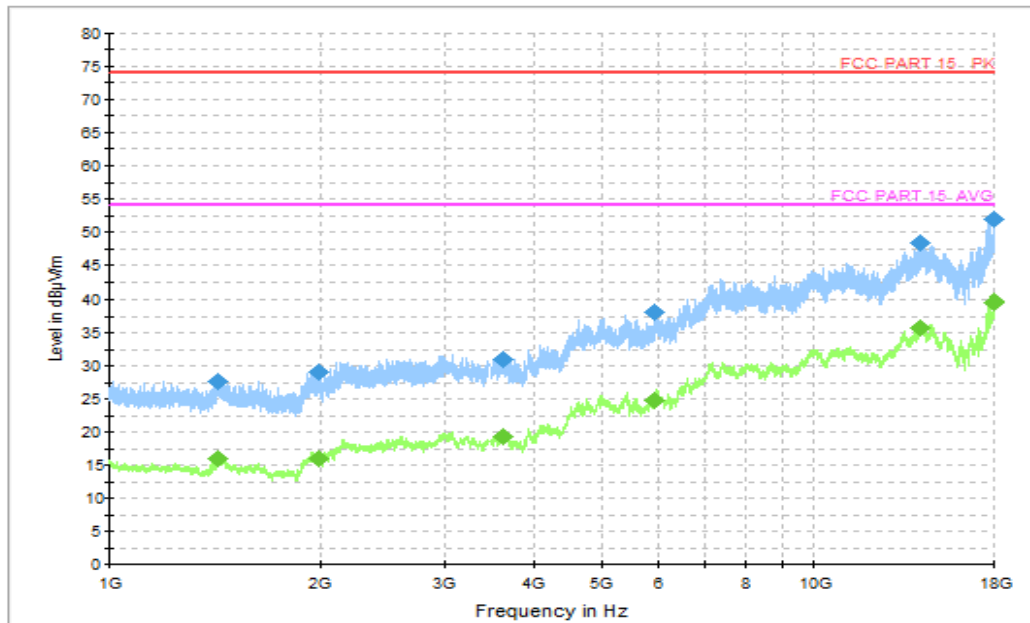


Figure A.1.26. Radiated Emission (LTE receiver Band 12, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1428.800000	27.51	74.00	46.49	V	-19.84	47.35
1989.600000	29.13	74.00	44.87	V	-18.28	47.41
3619.200000	31.00	74.00	43.00	V	-12.62	43.62
5937.600000	38.04	74.00	35.96	V	-5.59	43.63
14157.500000	48.33	74.00	25.67	H	6.91	41.42
17997.600000	51.88	74.00	22.12	H	12.90	38.98

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1428.800000	15.96	54.00	38.04	V	-19.84	35.80
1989.600000	15.96	54.00	38.04	V	-18.28	34.24
3619.200000	19.34	54.00	34.66	V	-12.62	31.96
5937.600000	24.69	54.00	29.31	V	-5.59	30.28
14157.500000	35.67	54.00	18.33	H	6.91	28.76
17997.600000	39.44	54.00	14.56	H	12.90	26.54

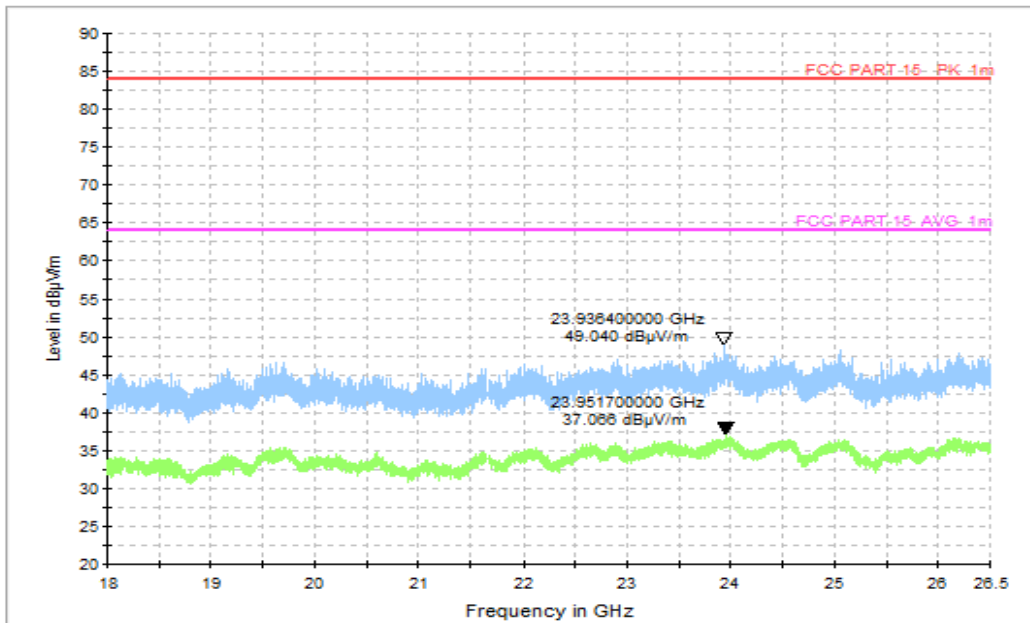


Figure A.1.27. Radiated Emission (LTE receiver Band 12, 18GHz to 26.5GHz)

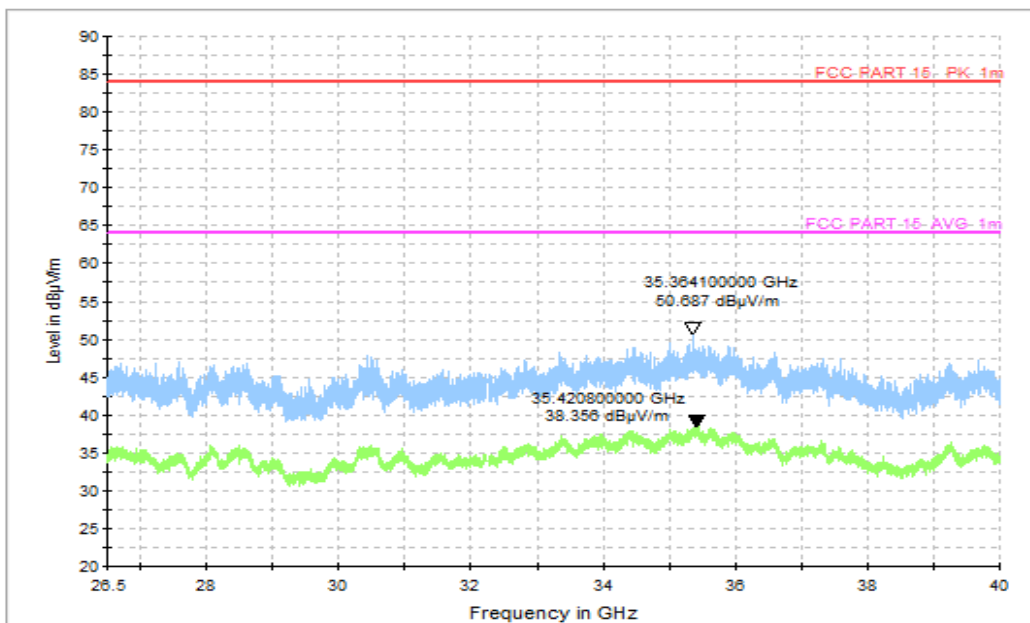


Figure A.1.28. Radiated Emission (LTE receiver Band 12, 26.5GHz to 40GHz)

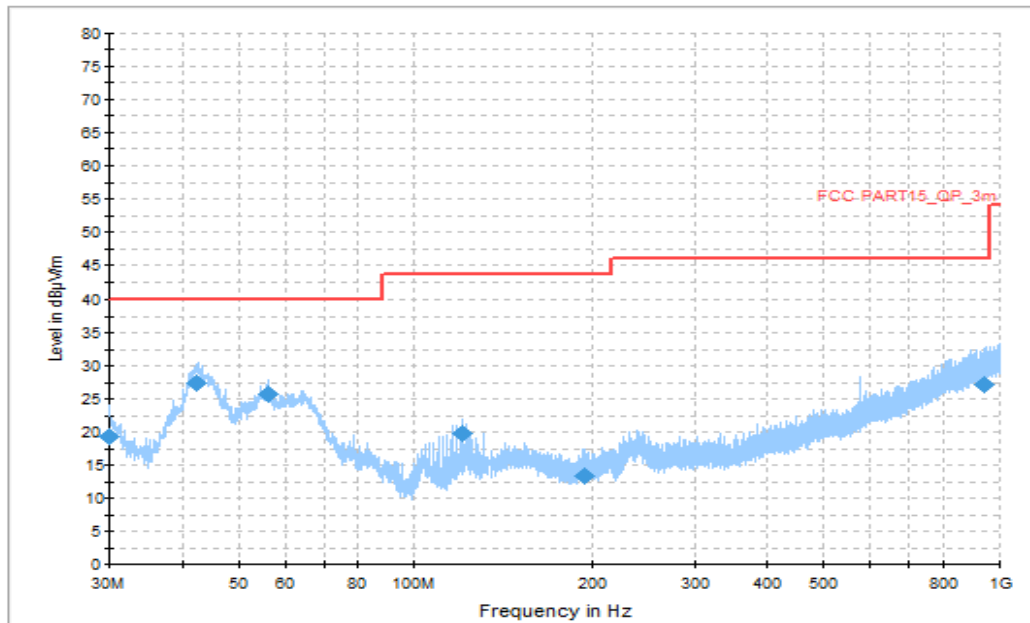


Figure A.1.29. Radiated Emission (LTE receiver Band 13, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.097000	19.40	40.00	20.60	H	-23.75	43.15
42.319000	27.39	40.00	12.61	H	-21.91	49.3
55.996000	25.73	40.00	14.27	V	-22.69	48.42
121.131500	19.86	43.50	23.64	H	-24.07	43.93
194.851500	13.28	43.50	30.22	H	-25.48	38.76
940.345000	27.10	46.00	18.90	H	-9.01	36.11

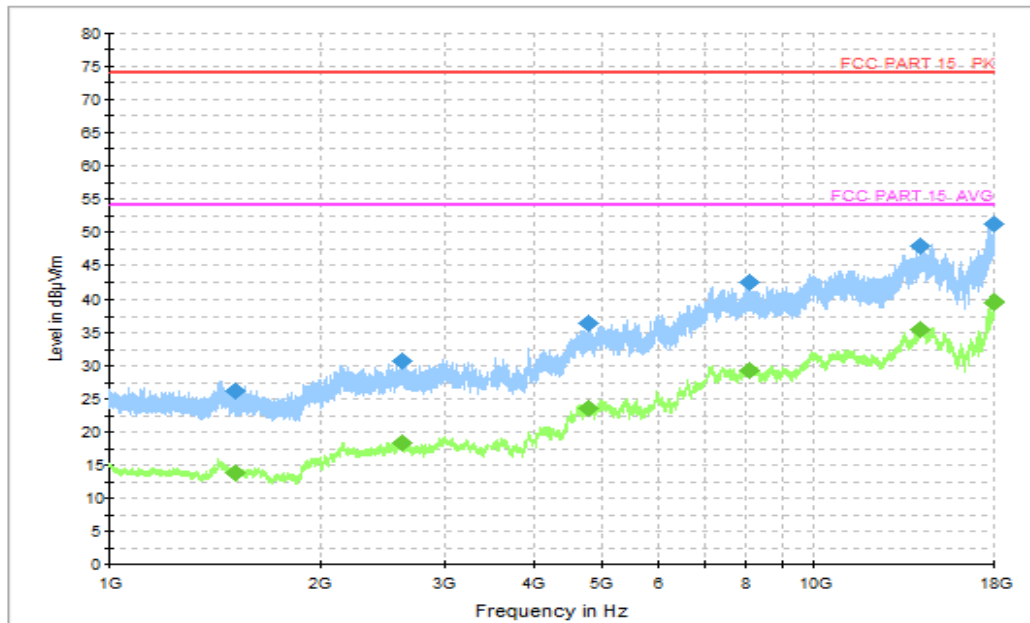


Figure A.1.30. Radiated Emission (LTE receiver Band 13, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1515.600000	26.16	74.00	47.84	H	-19.93	46.09
2602.800000	30.80	74.00	43.20	V	-15.55	46.35
4763.200000	36.47	74.00	37.53	V	-6.92	43.39
8091.200000	42.42	74.00	31.58	H	-0.73	43.15
14157.000000	47.81	74.00	26.19	H	6.91	40.9
17998.400000	51.12	74.00	22.88	H	12.90	38.22

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1515.600000	13.87	54.00	40.13	H	-19.93	33.80
2602.800000	18.36	54.00	35.64	V	-15.55	33.91
4763.200000	23.57	54.00	30.43	V	-6.92	30.49
8091.200000	29.36	54.00	24.64	H	-0.73	30.09
14157.000000	35.39	54.00	18.61	H	6.91	28.48
17998.400000	39.49	54.00	14.51	H	12.90	26.59

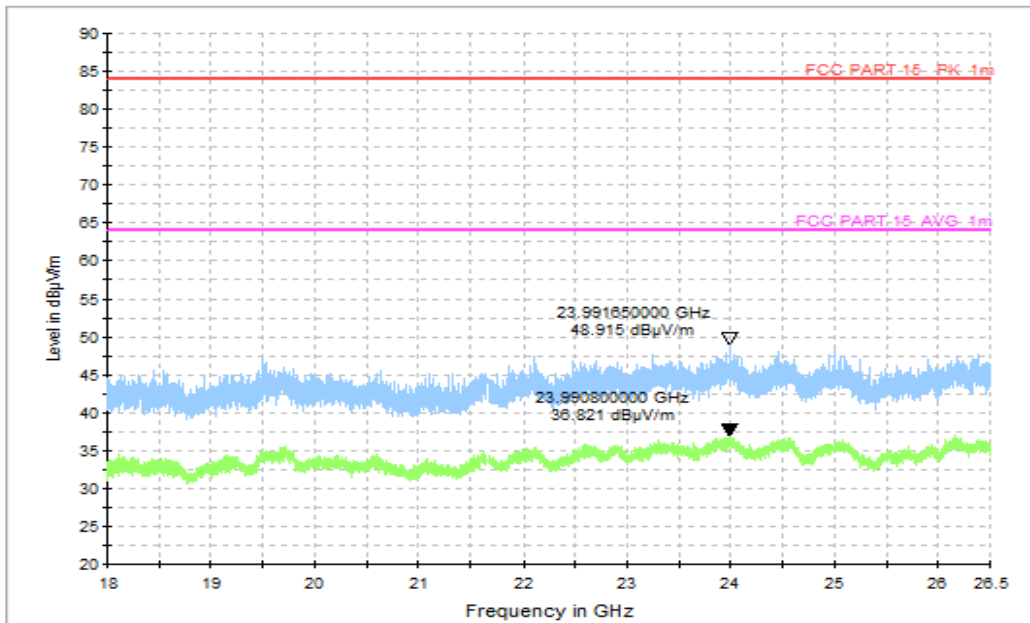


Figure A.1.31. Radiated Emission (LTE receiver Band 13, 18GHz to 26.5GHz)

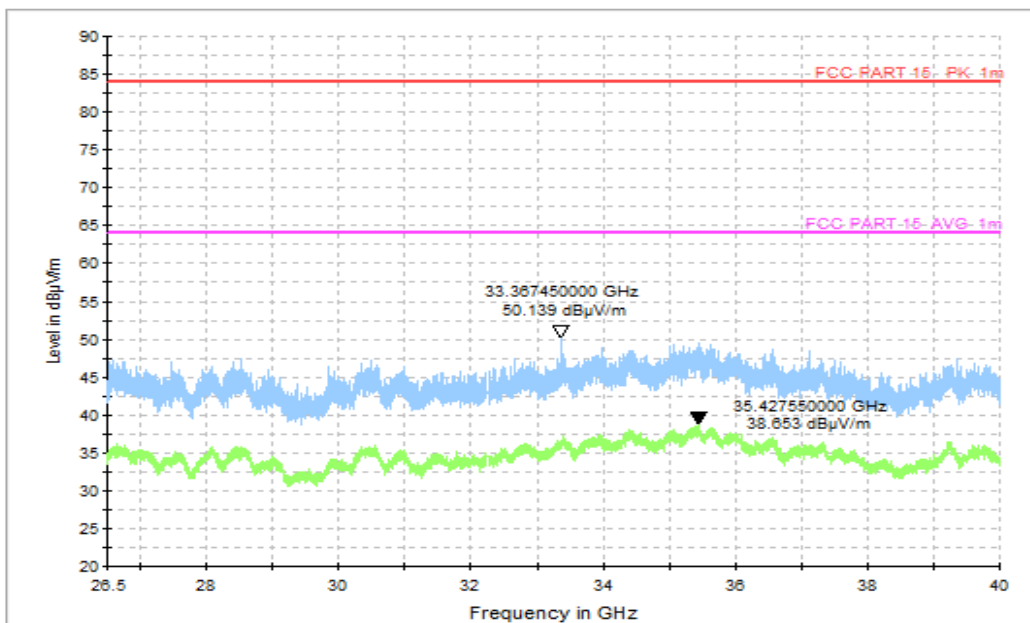


Figure A.1.32. Radiated Emission (LTE receiver Band 13, 26.5GHz to 40GHz)

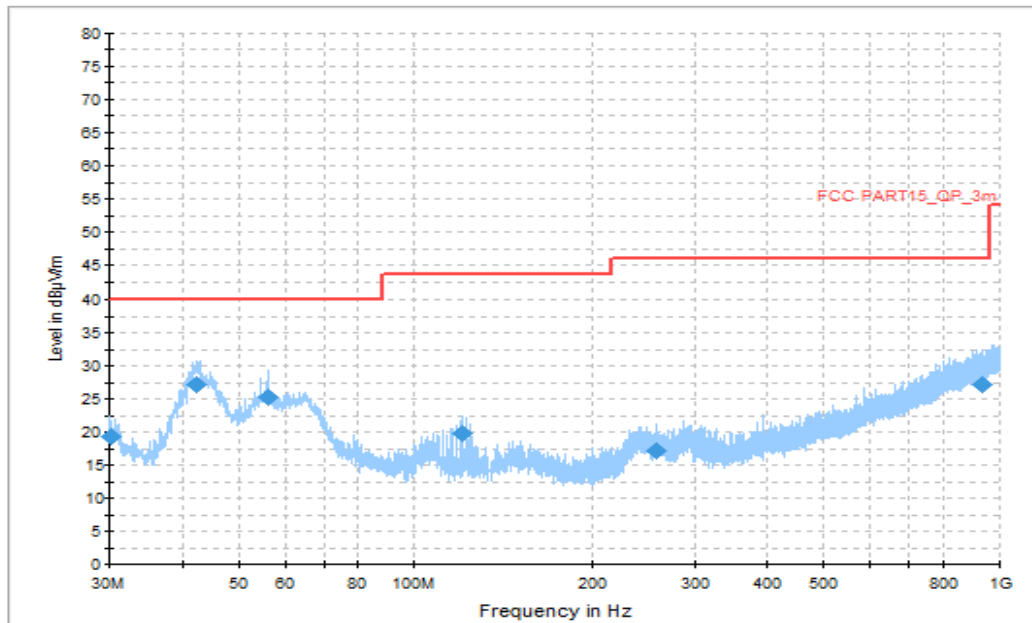


Figure A.1.33. Radiated Emission (LTE receiver Band 17, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.194000	19.28	40.00	20.72	V	-23.74	43.02
42.367500	27.25	40.00	12.75	V	-21.91	49.16
55.996000	25.29	40.00	14.71	H	-22.69	47.98
121.131500	19.79	43.50	23.71	H	-24.07	43.86
257.562000	17.23	46.00	28.77	H	-23.75	40.98
935.737500	27.05	46.00	18.95	V	-9.07	36.12

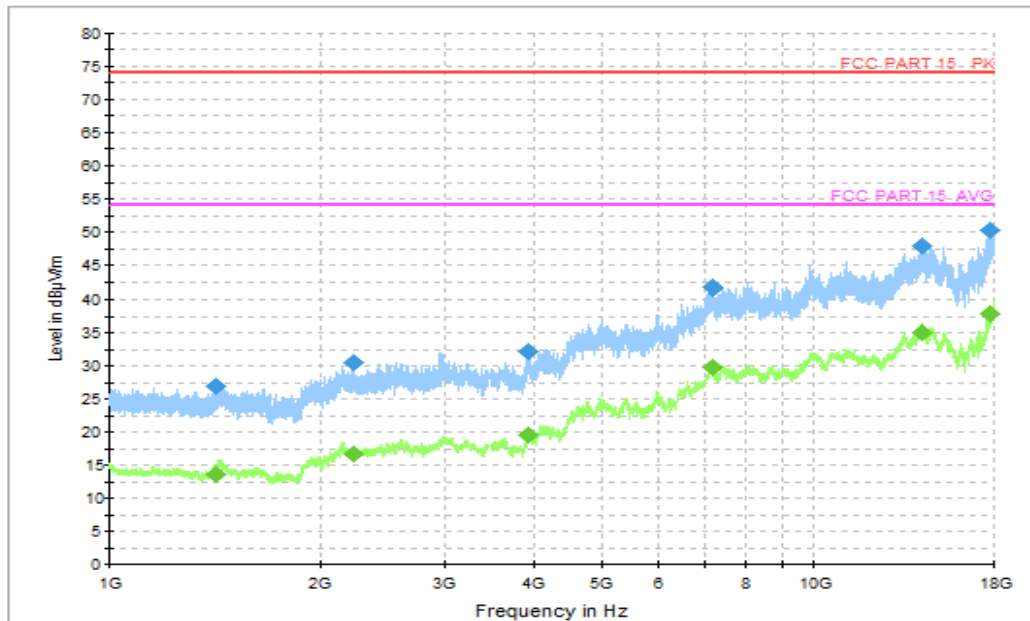


Figure A.1.34. Radiated Emission (LTE receiver Band 17, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1414.400000	26.96	74.00	47.04	V	-19.84	46.80
2226.400000	30.49	74.00	43.51	H	-16.02	46.51
3924.800000	32.05	74.00	41.95	H	-10.67	42.72
7152.000000	41.56	74.00	32.44	H	-0.93	42.49
14246.500000	47.82	74.00	26.18	H	7.02	40.8
17748.000000	50.16	74.00	23.84	H	11.62	38.54

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1414.400000	13.65	54.00	40.35	V	-19.84	33.49
2226.400000	16.74	54.00	37.26	H	-16.02	32.76
3924.800000	19.43	54.00	34.57	H	-10.67	30.10
7152.000000	29.86	54.00	24.14	H	-0.93	30.79
14246.500000	34.90	54.00	19.10	H	7.02	27.88
17748.000000	37.93	54.00	16.07	H	11.62	26.31

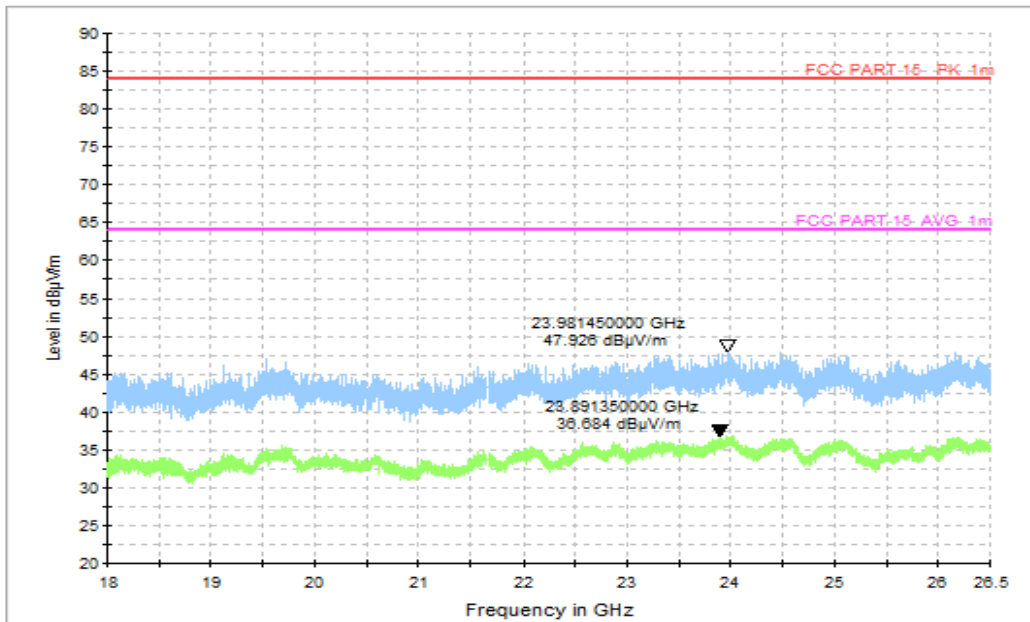


Figure A.1.35. Radiated Emission (LTE receiver Band 17, 18GHz to 26.5GHz)

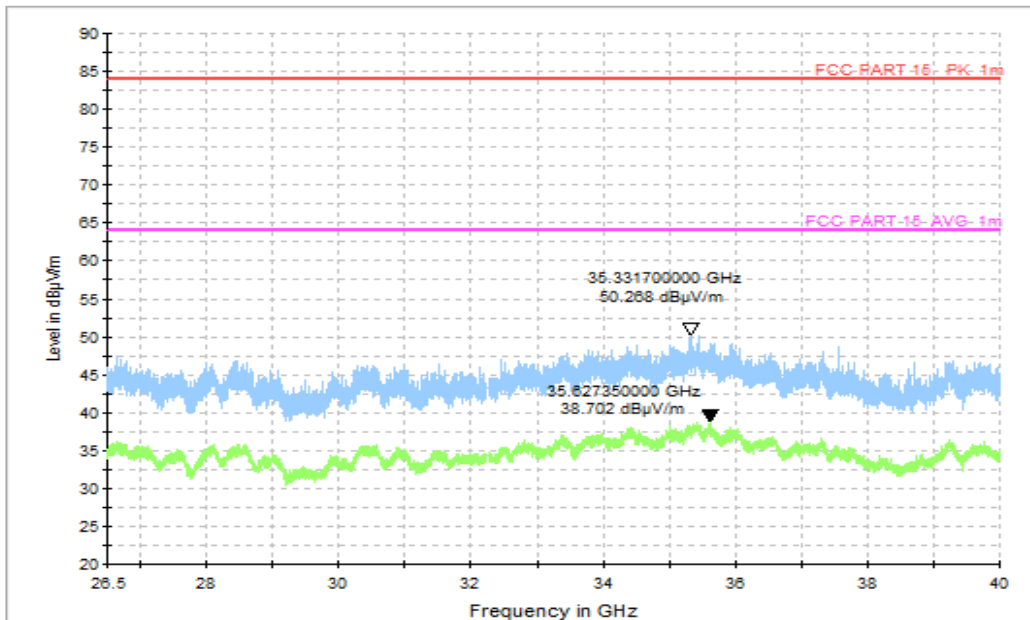


Figure A.1.36. Radiated Emission (LTE receiver Band 17, 26.5GHz to 40GHz)

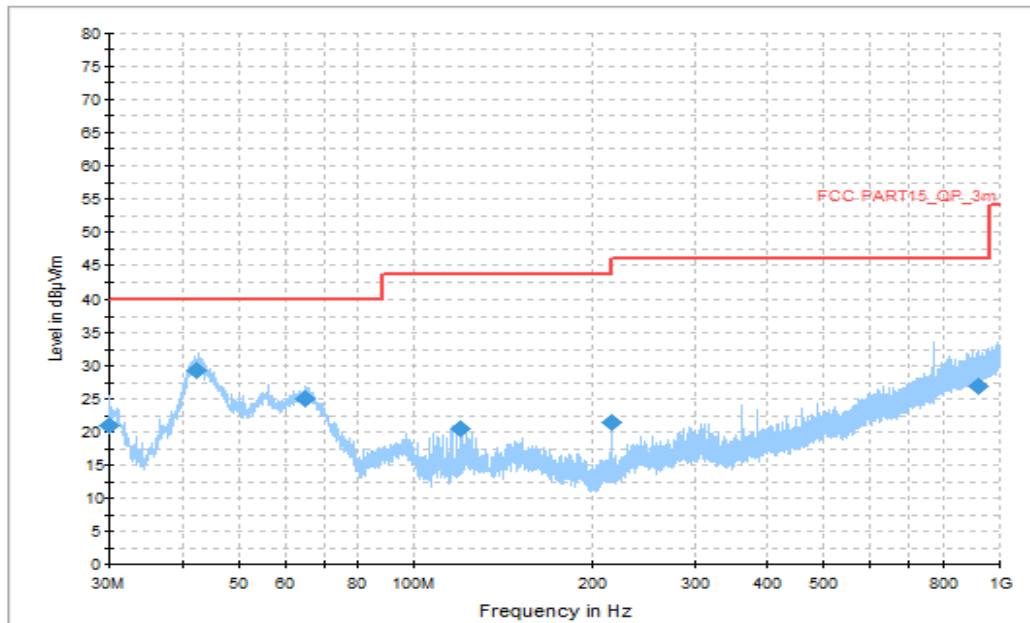


Figure A.1.37. Radiated Emission (Camera, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.048500	20.88	40.00	19.12	V	-23.76	44.64
42.270500	29.21	40.00	10.79	H	-21.91	51.12
65.017000	25.00	40.00	15.00	V	-23.86	48.86
119.628000	20.49	43.50	23.01	H	-24.18	44.67
215.997500	21.45	43.50	22.05	V	-25.12	46.57
918.277500	26.91	46.00	19.09	H	-9.22	36.13

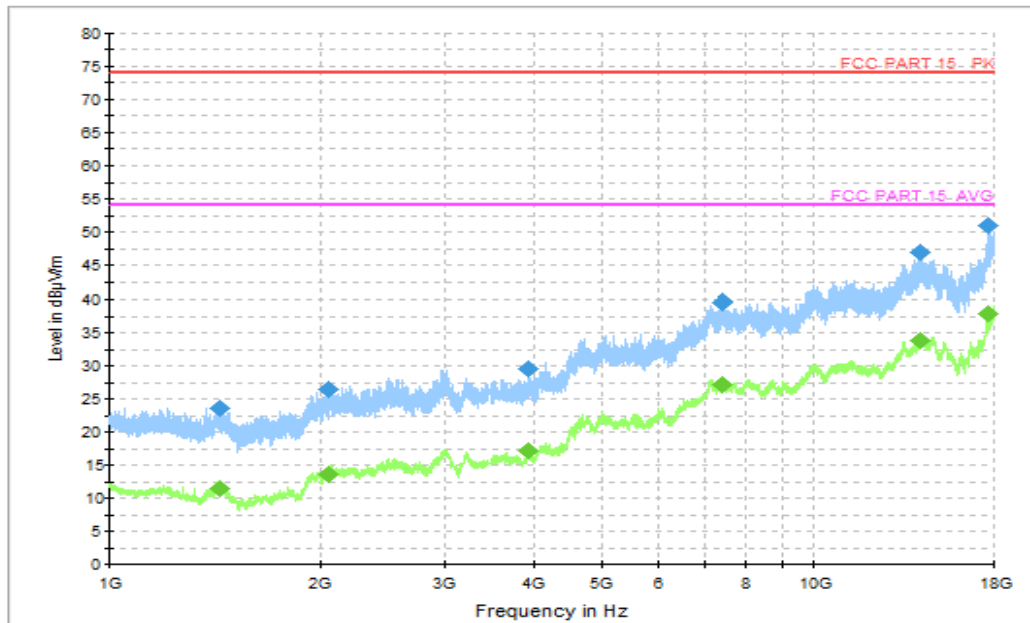


Figure A.1.38. Radiated Emission (Camera, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1433.200000	23.67	74.0	50.33	H	-19.85	43.52
2052.000000	26.48	74.0	47.52	V	-17.53	44.01
3931.200000	29.49	74.0	44.51	H	-10.77	40.26
7396.800000	39.41	74.0	34.59	V	-0.49	39.90
14153.000000	46.95	74.0	27.05	H	6.88	40.07
17706.800000	50.96	74.0	23.04	V	11.41	39.55

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1433.200000	11.36	54.00	42.64	H	-19.85	31.21
2052.000000	13.56	54.00	40.44	V	-17.53	31.09
3931.200000	17.06	54.00	36.94	H	-10.77	27.83
7396.800000	27.04	54.00	26.96	V	-0.49	27.53
14153.000000	33.87	54.00	20.13	H	6.88	26.99
17706.800000	37.75	54.00	16.25	V	11.41	26.34

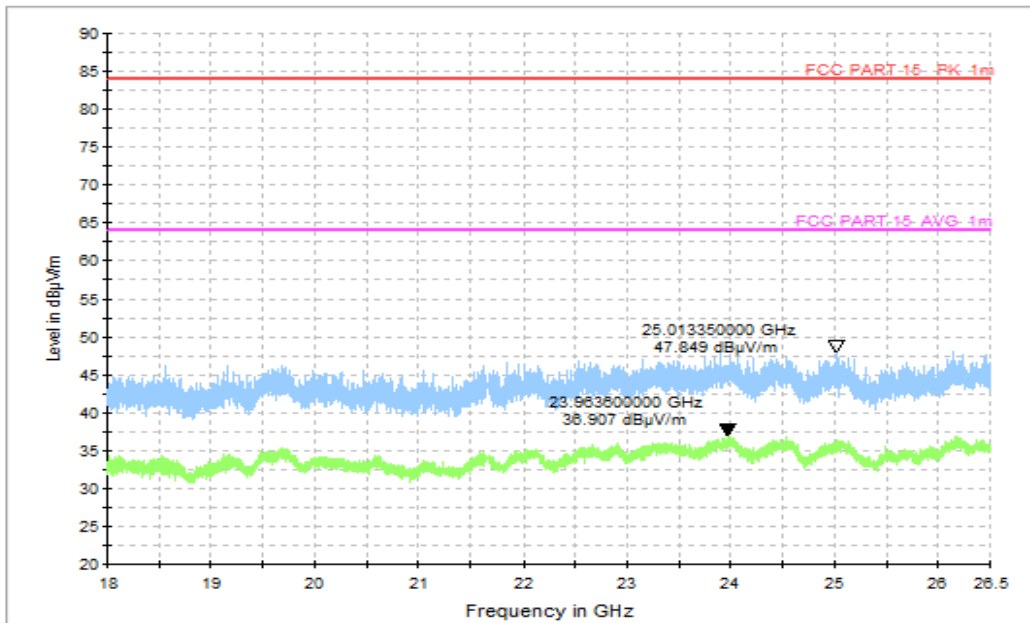


Figure A.1.39. Radiated Emission (Camera, 18GHz to 26.5GHz)

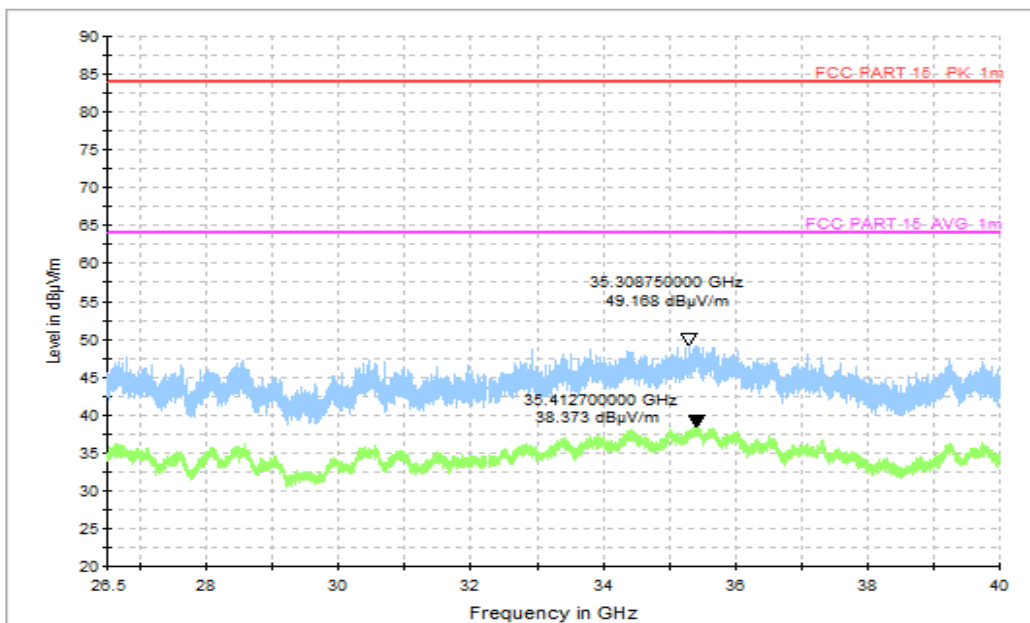


Figure A.1.40. Radiated Emission (Camera, 26.5GHz to 40GHz)

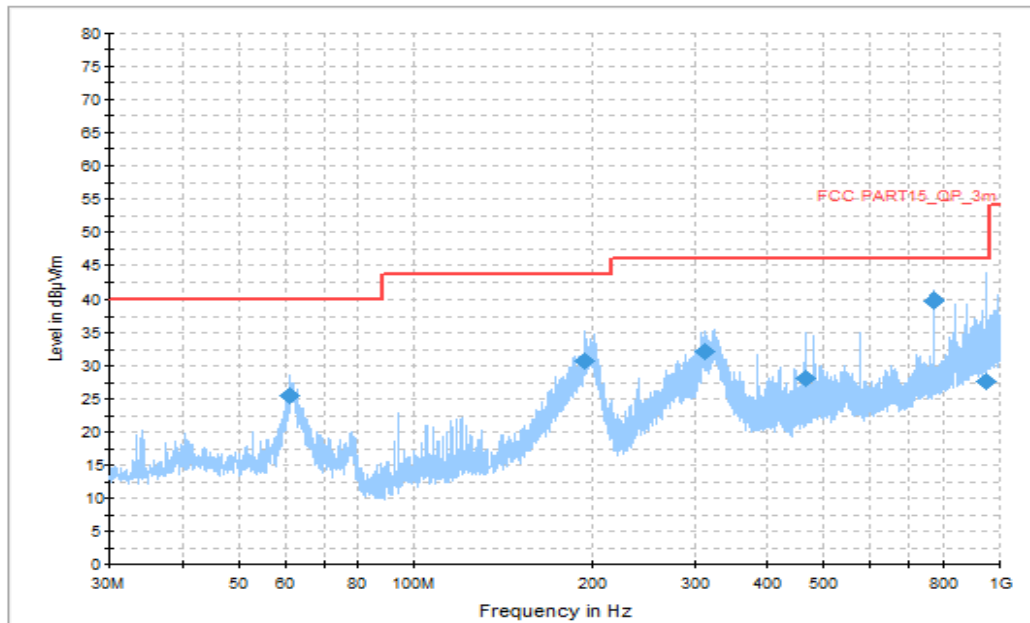


Figure A.1.41. Radiated Emission (Data Transfer: PC TO EUT, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
61.234000	25.49	40.00	14.51	V	-23.22	48.71
194.900000	30.74	43.50	12.76	H	-25.48	56.22
312.124500	32.05	46.00	13.95	H	-22.17	54.22
464.511500	28.04	46.00	17.96	H	-17.72	45.76
768.024500	39.85	46.00	6.15	H	-11.83	51.68
948.590000	27.55	46.00	18.45	V	-8.82	36.37

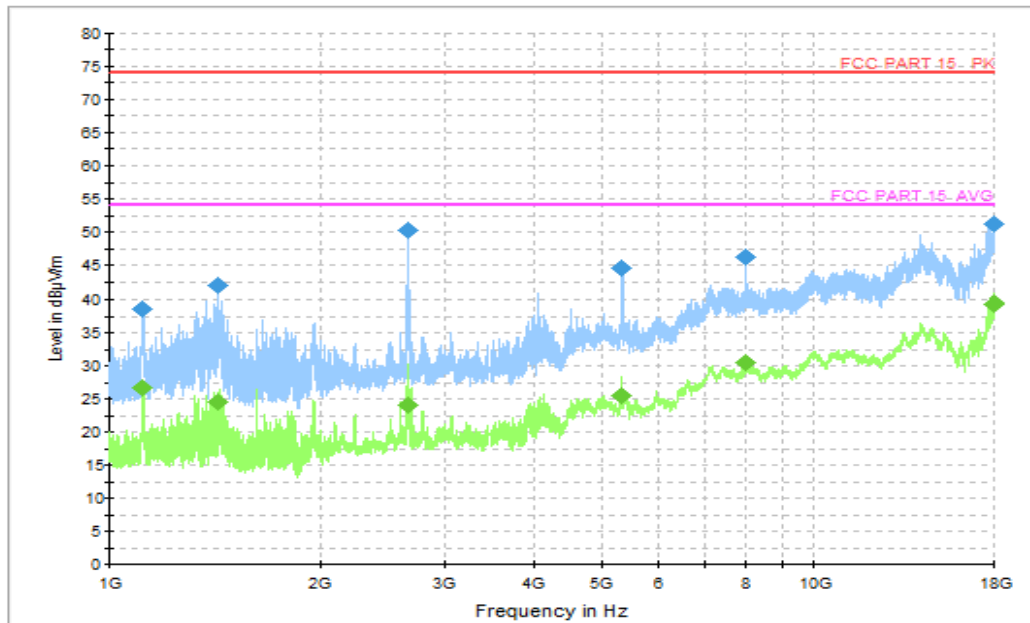


Figure A.1.42. Radiated Emission (Data Transfer: PC TO EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1117.200000	38.55	74.00	35.45	H	-20.89	59.44
1426.600000	41.82	74.00	32.18	V	-19.84	61.66
2662.000000	50.20	74.00	23.80	V	-15.42	65.62
5318.400000	44.63	74.00	29.37	V	-6.73	51.36
8000.800000	46.20	74.00	27.80	V	-0.67	46.87
17990.000000	51.15	74.00	22.85	H	12.86	38.29

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1117.200000	26.69	54.00	27.31	H	-20.89	47.58
1426.600000	24.47	54.00	29.53	V	-19.84	44.31
2662.000000	23.95	54.00	30.05	V	-15.42	39.37
5318.400000	25.57	54.00	28.43	V	-6.73	32.30
8000.800000	30.49	54.00	23.51	V	-0.67	31.16
17990.800000	39.37	54.00	14.63	V	12.86	26.51

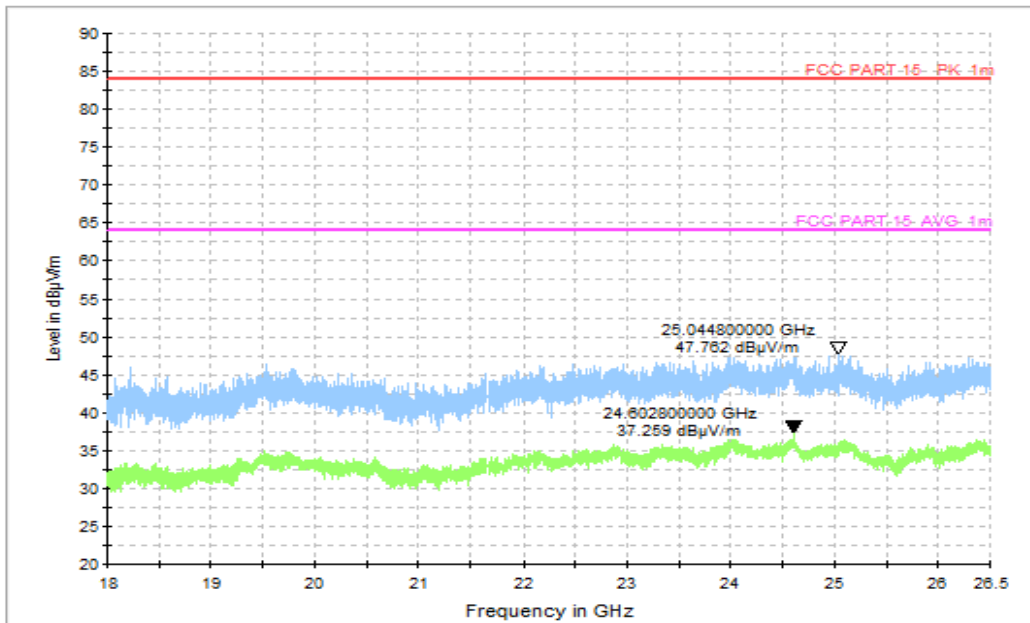


Figure A.1.43. Radiated Emission (Data Transfer: PC TO EUT, 18GHz to 26.5GHz)

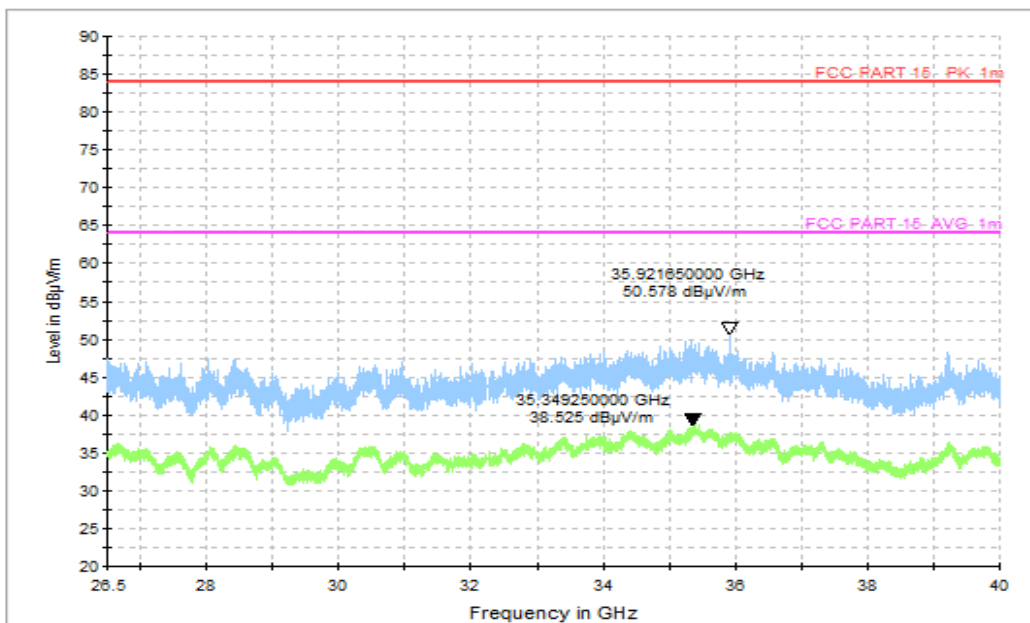


Figure A.1.44. Radiated Emission (Data Transfer: PC TO EUT, 26.5GHz to 40GHz)

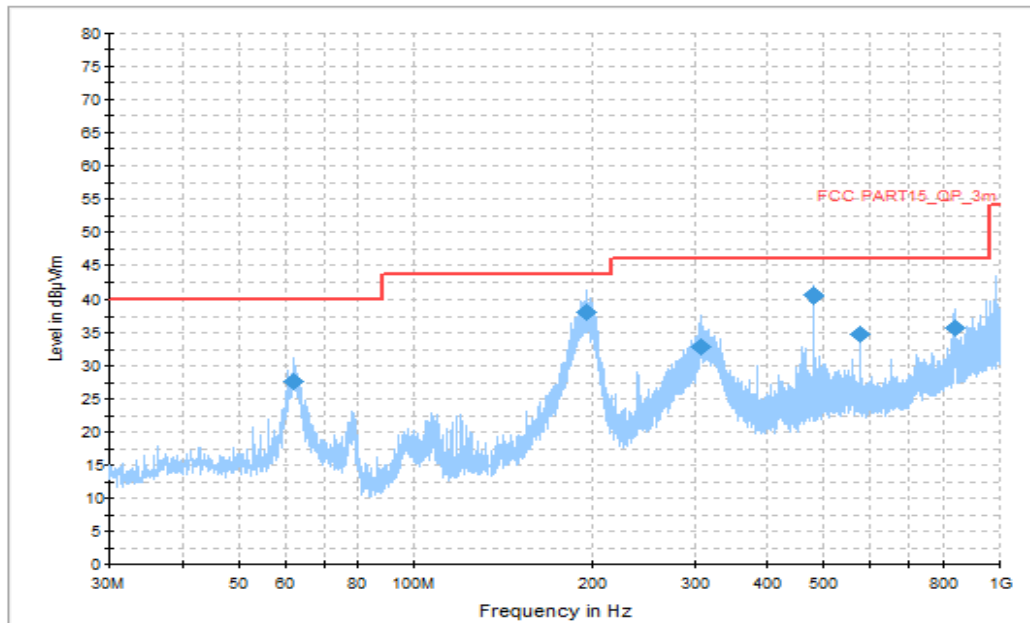


Figure A.1.45. Radiated Emission (Data Transfer: EUT TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
62.155500	27.63	40.00	12.37	V	-23.38	51.01
196.452000	38.20	43.50	5.30	H	-25.53	63.73
307.662500	32.95	46.00	13.05	H	-22.33	55.28
479.983000	40.55	46.00	5.45	H	-17.39	57.94
576.013000	34.72	46.00	11.28	V	-15.39	50.11
838.204000	35.65	46.00	10.35	H	-10.50	46.15

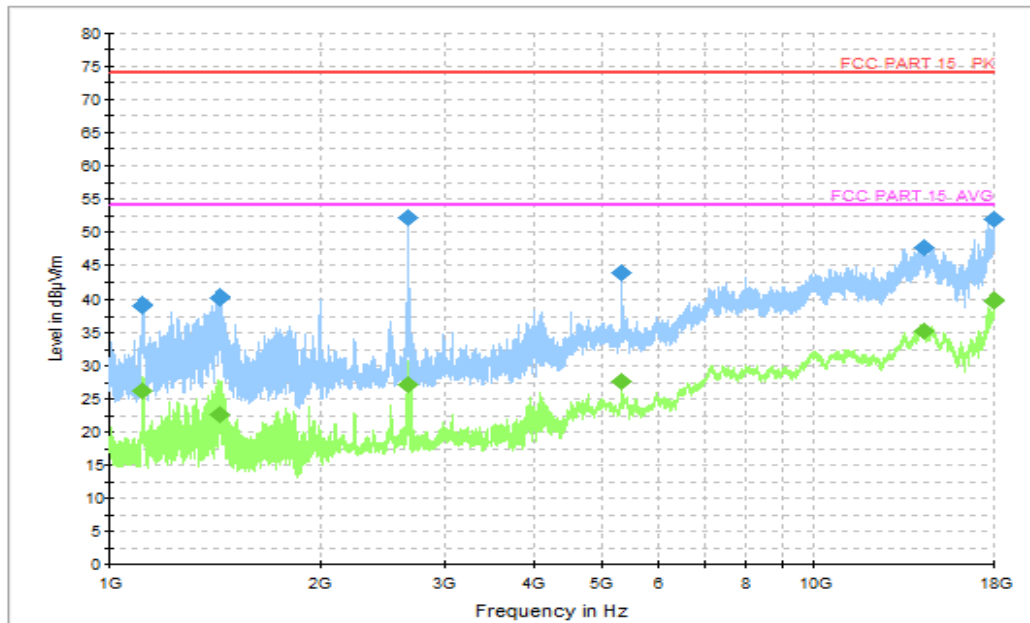


Figure A.1.46. Radiated Emission (Data Transfer: EUT TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1114.800000	38.98	74.00	35.02	H	-20.87	59.85
1432.600000	40.33	74.00	33.67	V	-19.85	60.18
2661.000000	52.07	74.00	21.93	V	-15.42	67.49
5328.800000	43.82	74.00	30.18	V	-6.70	50.52
14279.500000	47.72	74.00	26.28	V	6.83	40.89
17994.000000	51.79	74.00	22.21	V	12.88	38.91

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1114.800000	26.23	54.00	27.77	H	-20.87	47.10
1432.600000	22.69	54.00	31.31	V	-19.85	42.54
2661.000000	27.14	54.00	26.86	V	-15.42	42.56
5328.800000	27.53	54.00	26.47	V	-6.70	34.23
14279.500000	35.24	54.00	18.76	V	6.83	28.41
17994.000000	39.82	54.00	14.18	V	12.88	26.94

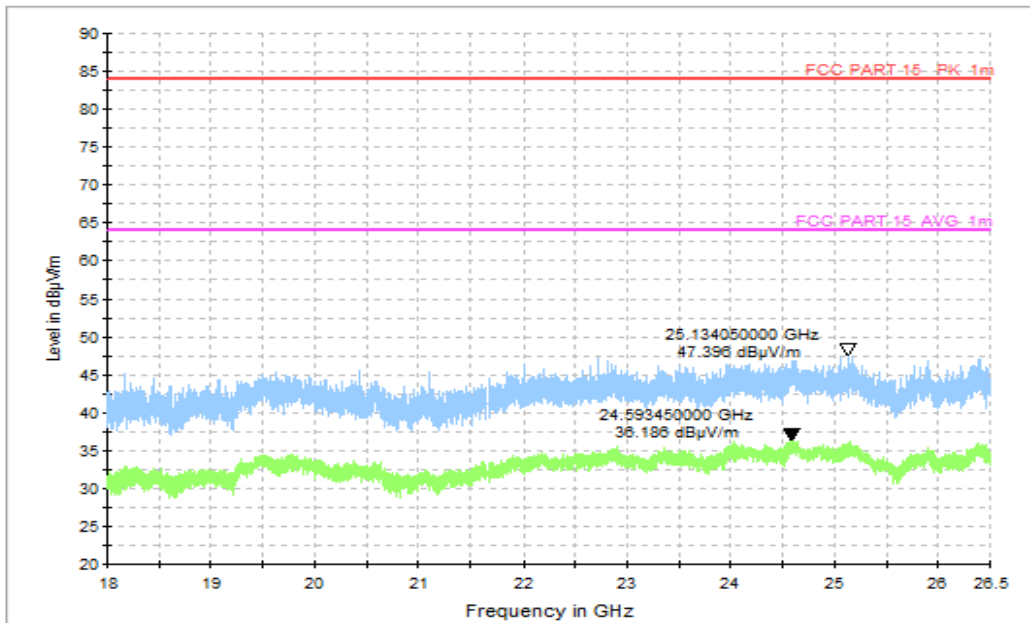


Figure A.1.47. Radiated Emission (Data Transfer: EUT TO PC, 18GHz to 26.5GHz)

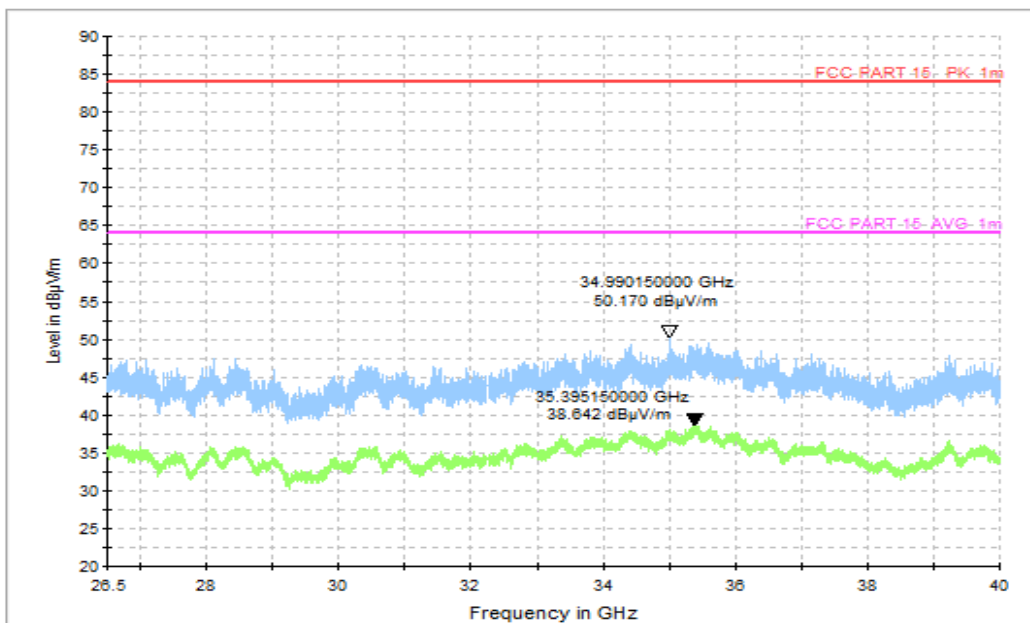


Figure A.1.48. Radiated Emission (Data Transfer: EUT TO PC, 26.5GHz to 40GHz)

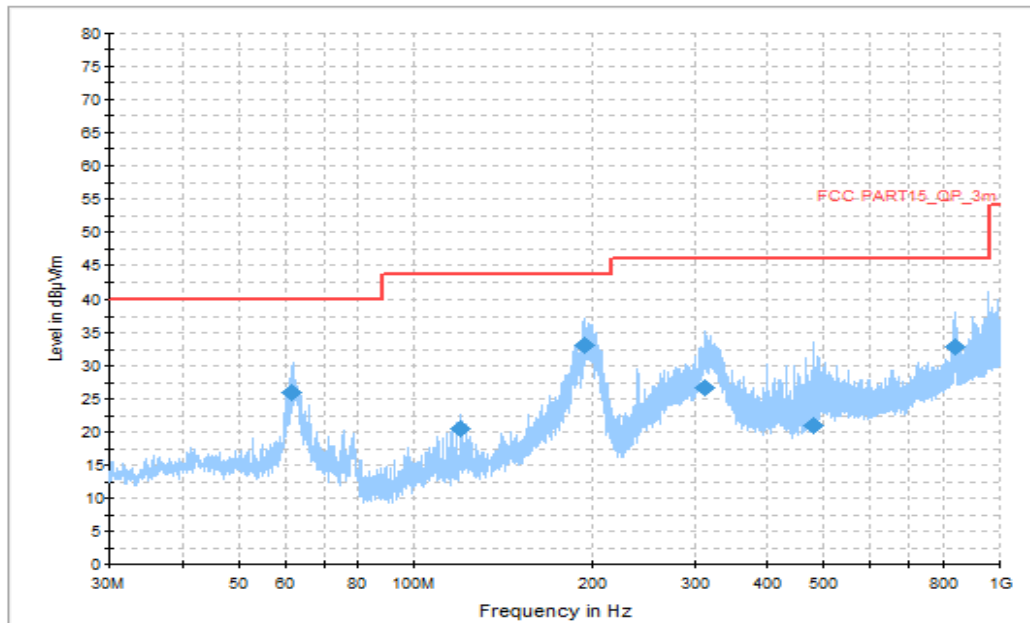


Figure A.1.49. Radiated Emission (Data Transfer: PC TO TF Card, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
61.767500	26.06	40.00	13.94	V	-23.31	49.37
119.676500	20.41	43.50	23.09	H	-24.17	44.58
194.997000	33.05	43.50	10.45	H	-25.48	58.53
312.512500	26.63	46.00	19.37	H	-22.16	48.79
480.031500	20.86	46.00	25.14	H	-17.39	38.25
839.077000	32.86	46.00	13.14	H	-10.48	43.34

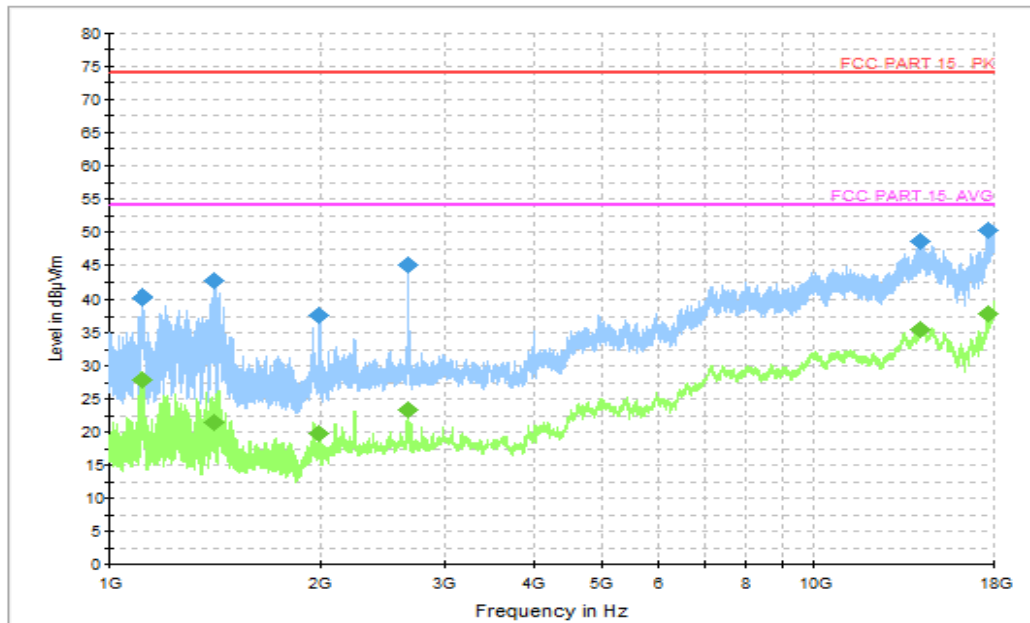


Figure A.1.50. Radiated Emission (Data Transfer: PC TO TF Card, 1GHz to 18GHz)
Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1116.000000	40.23	74.00	33.77	V	-20.88	61.11
1410.600000	42.67	74.00	31.33	V	-19.83	62.5
1991.800000	37.56	74.00	36.44	H	-18.28	55.84
2666.600000	45.02	74.00	28.98	H	-15.42	60.44
14162.500000	48.63	74.00	25.37	H	6.95	41.68
17689.200000	50.17	74.00	23.83	H	11.32	38.85

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1116.000000	27.74	54.00	26.26	V	-20.88	48.62
1410.600000	21.43	54.00	32.57	V	-19.83	41.26
1991.800000	19.75	54.00	34.25	H	-18.28	38.03
2666.600000	23.34	54.00	30.66	H	-15.42	38.76
14162.500000	35.59	54.00	18.41	H	6.95	28.64
17689.200000	37.81	54.00	16.19	H	11.32	26.49

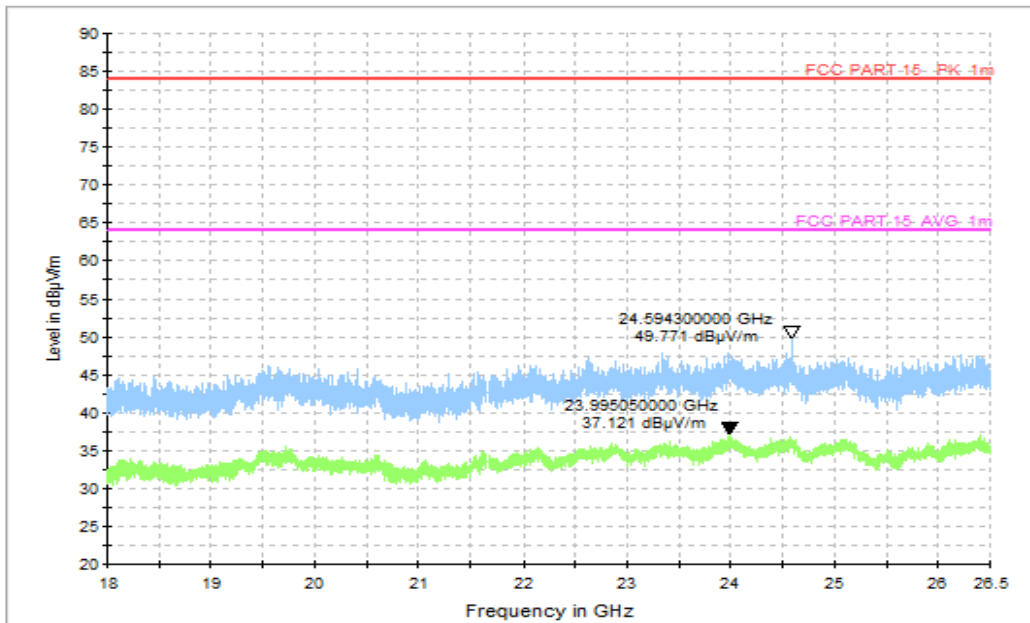


Figure A.1.51. Radiated Emission (Data Transfer: PC TO TF Card, 18GHz to 26.5GHz)

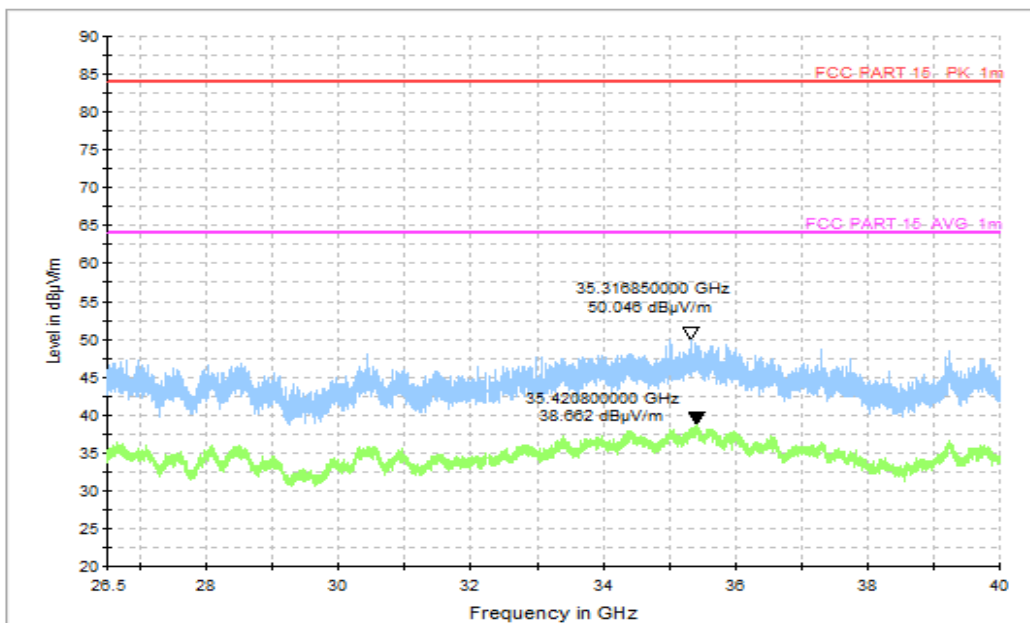


Figure A.1.52. Radiated Emission (Data Transfer: PC TO TF Card, 26.5GHz to 40GHz)

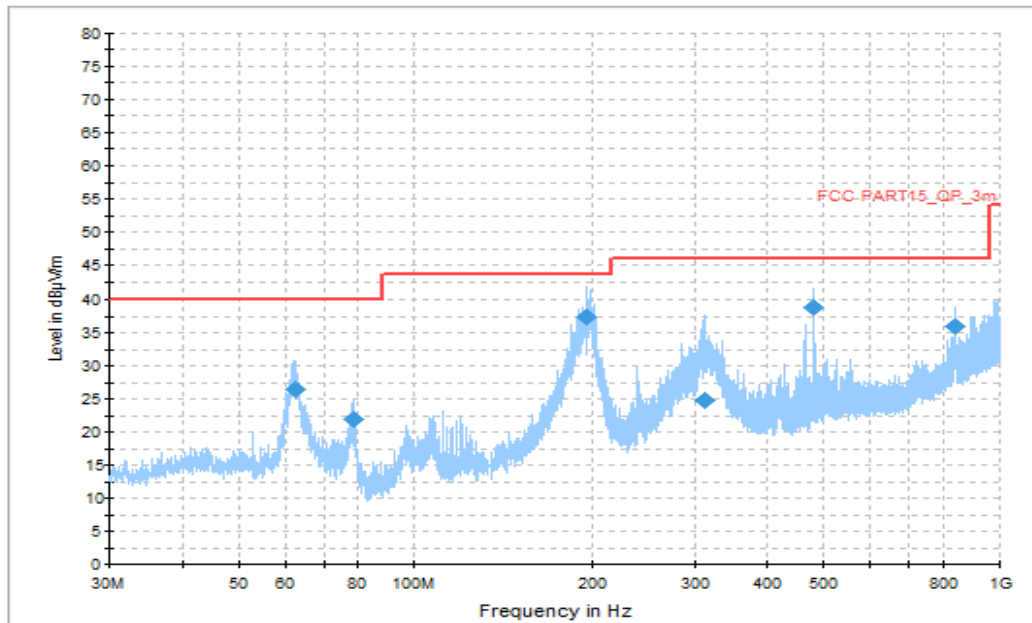


Figure A.1.53. Radiated Emission (Data Transfer: TF Card TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
62.349500	26.41	40.00	13.59	V	-23.41	49.82
78.791000	22.01	40.00	17.99	H	-26.51	48.52
195.482000	37.40	43.50	6.10	H	-25.50	62.90
311.833500	24.67	46.00	21.33	H	-22.18	46.85
480.031500	38.72	46.00	7.28	H	-17.39	56.11
837.137000	35.96	46.00	10.04	H	-10.51	46.47

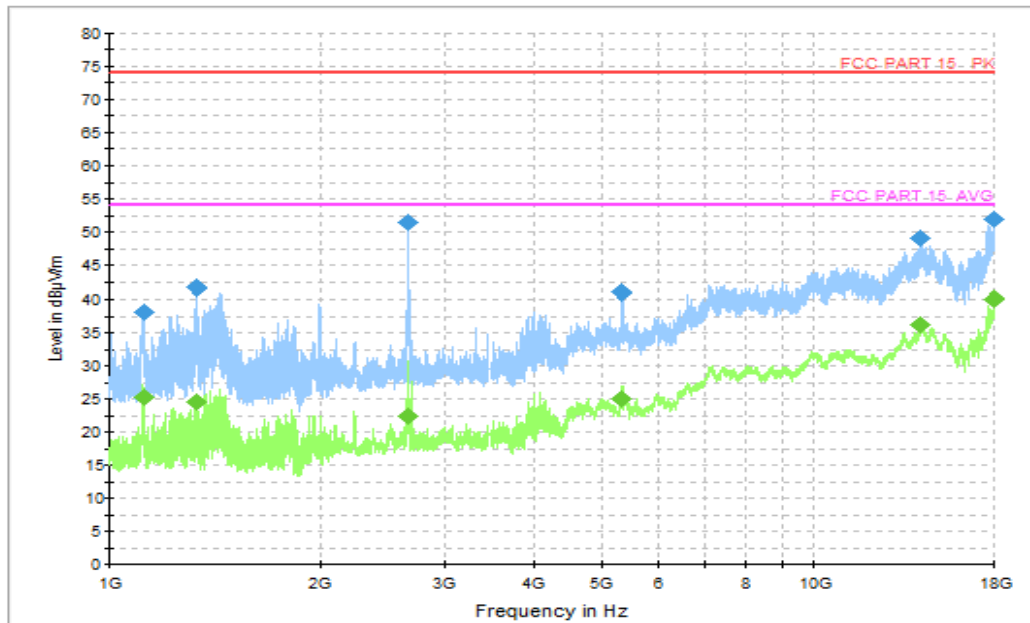


Figure A.1.54. Radiated Emission (Data Transfer: TF Card TO PC, 1GHz to 18GHz)
Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1119.200000	38.0	74.0	36.0	H	-20.9	58.90
1331.000000	41.7	74.0	32.3	V	-19.9	61.6
2655.600000	51.3	74.0	22.7	V	-15.4	66.70
5330.400000	41.0	74.0	33.0	V	-6.7	47.70
14167.000000	49.2	74.0	24.8	V	7.0	42.2
17998.800000	51.8	74.0	22.2	V	12.9	38.90

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1119.200000	25.3	54.0	28.7	H	-20.9	46.20
1331.000000	24.5	54.0	29.5	V	-19.9	44.4
2655.600000	22.5	54.0	31.5	V	-15.4	37.90
5330.400000	25.0	54.0	29.0	V	-6.7	31.70
14167.000000	36.1	54.0	17.9	V	7.0	29.1
17998.800000	40.0	54.0	14.0	V	12.9	27.10

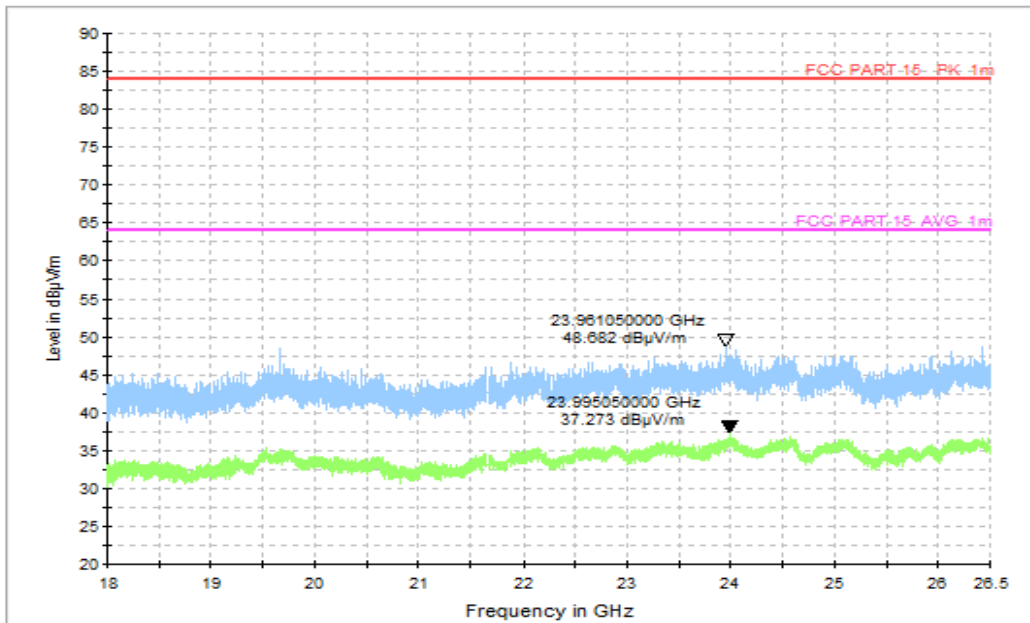


Figure A.1.55. Radiated Emission (Data Transfer: TF Card TO PC, 18GHz to 26.5GHz)

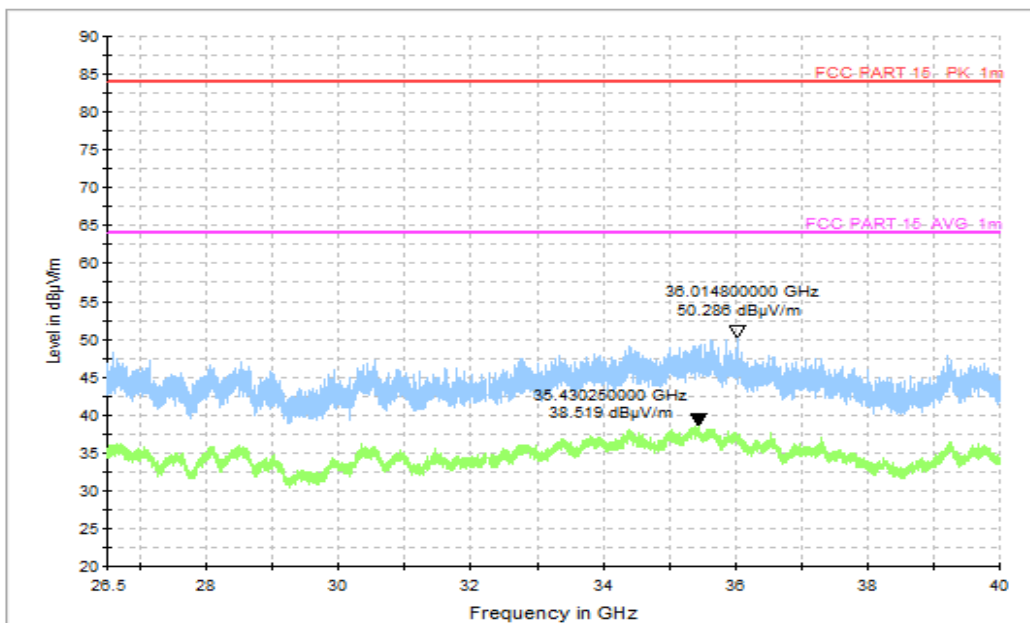


Figure A.1.56. Radiated Emission (Data Transfer: TF Card TO PC, 26.5GHz to 40GHz)

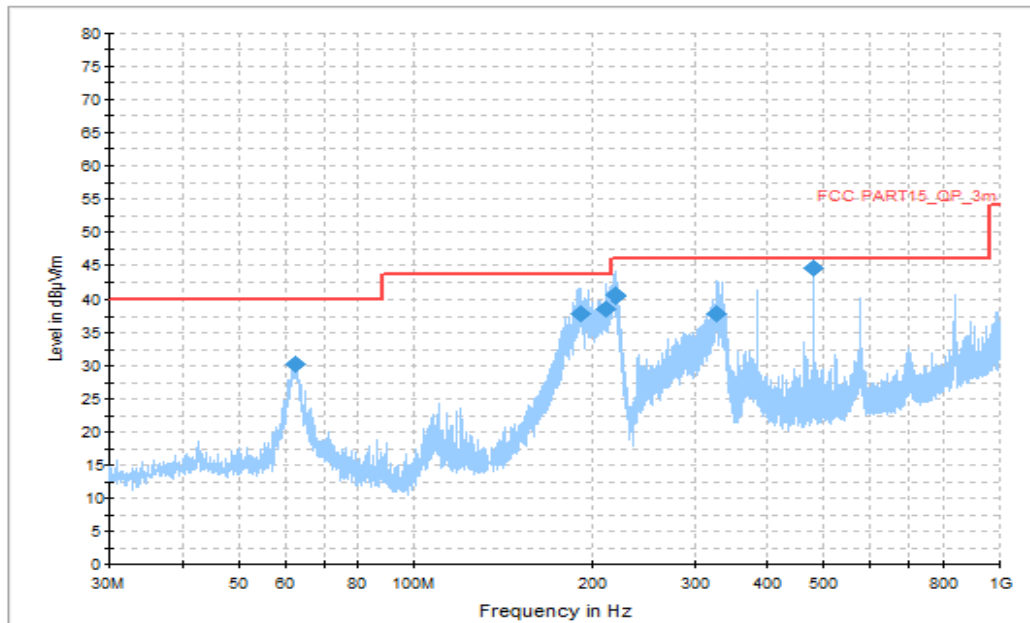


Figure A.1.57. Radiated Emission (Data Transfer: EUT TO PC, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
62.398000	30.15	40.00	9.85	V	-23.42	53.57
190.826000	37.95	43.50	5.55	H	-25.34	63.29
211.972000	38.56	43.50	4.94	H	-25.26	63.82
219.780500	40.39	46.00	5.61	H	-24.98	65.37
328.226500	37.82	46.00	8.18	H	-21.60	59.42
479.983000	44.49	46.00	1.51	H	-17.39	61.88

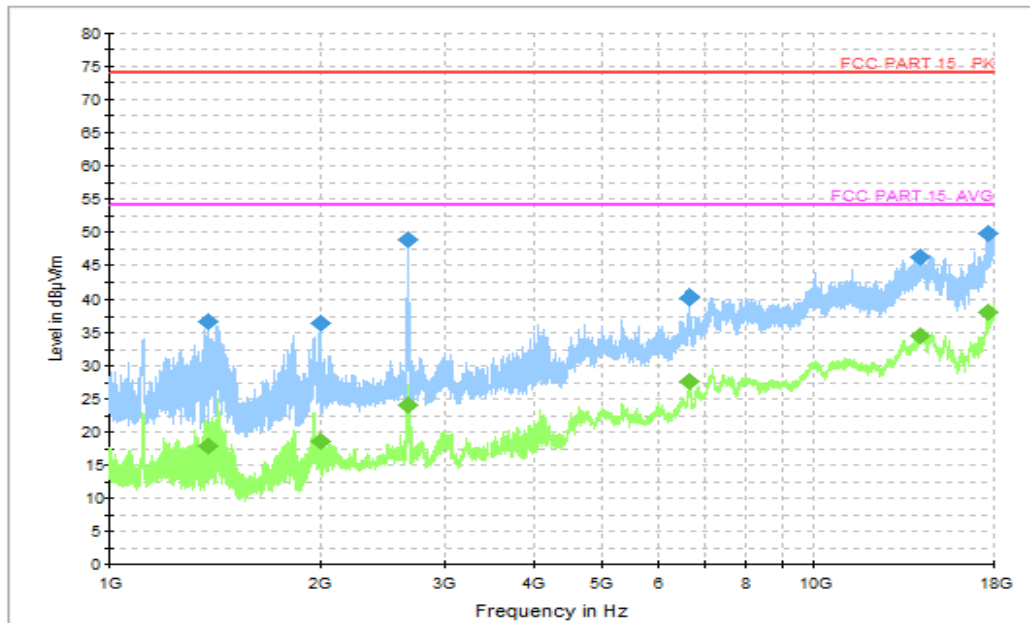


Figure A.1.58. Radiated Emission (Data Transfer: EUT TO PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1379.800000	36.58	74.00	37.42	V	-19.84	56.42
1999.400000	36.46	74.00	37.54	V	-18.30	54.76
2661.600000	48.92	74.00	25.08	V	-15.42	64.34
6646.400000	40.35	74.00	33.65	H	-3.89	44.24
14163.500000	46.25	74.00	27.75	V	6.96	39.29
17693.600000	49.67	74.00	24.33	V	11.34	38.33

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1379.800000	17.80	54.00	36.20	V	-19.84	37.64
1999.400000	18.50	54.00	35.50	V	-18.30	36.8
2661.600000	24.09	54.00	29.91	V	-15.42	39.51
6646.400000	27.51	54.00	26.49	H	-3.89	31.40
14163.500000	34.53	54.00	19.47	V	6.96	27.57
17693.600000	38.09	54.00	15.91	V	11.34	26.75

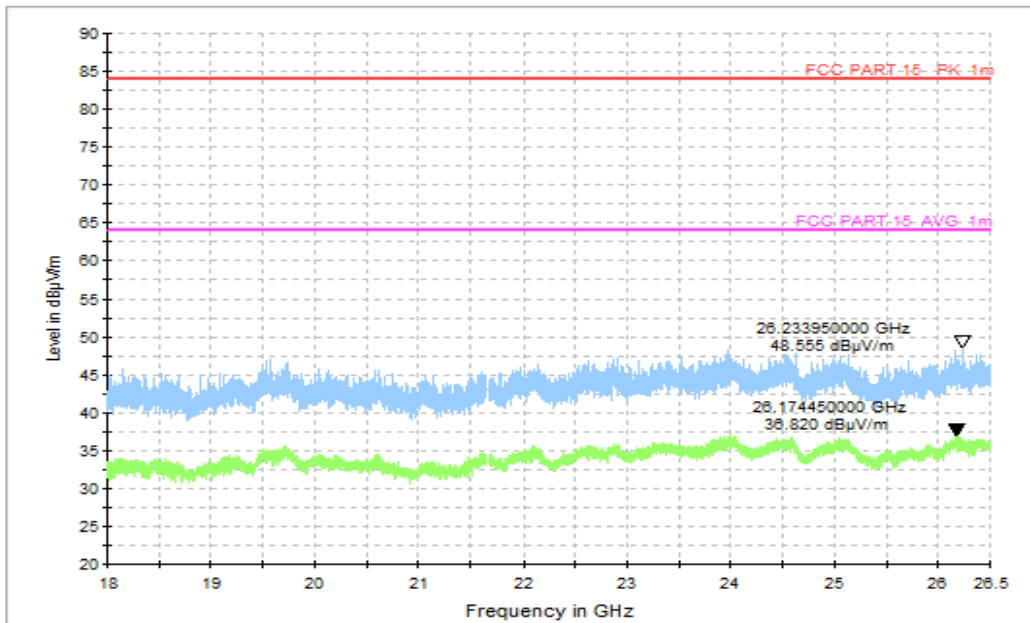


Figure A.1.59. Radiated Emission (Data Transfer: EUT TO PC, 18GHz to 26.5GHz)

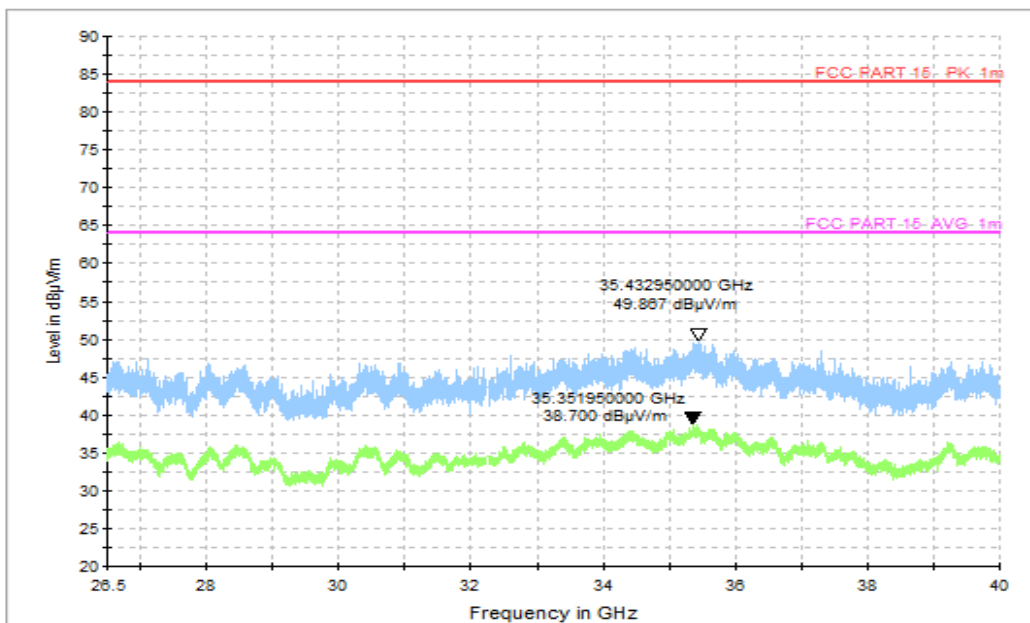


Figure A.1.60. Radiated Emission (Data Transfer: EUT TO PC, 26.5GHz to 40GHz)



A.2 Conducted Emission (§15.107(a))

Reference

FCC: Part 15.107(a)

A.2.1 Method of measurement

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150kHz to 30MHz shall not exceed the limits. Tested in accordance with the procedures of ANSI C63.4 -2014, section 7.3.

A.2.2 EUT Operating Mode:

Camera: At the beginning of measurement, the battery is completely discharged. The battery and charger are installed so that the EUT works well and keeping on taking photos.

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

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

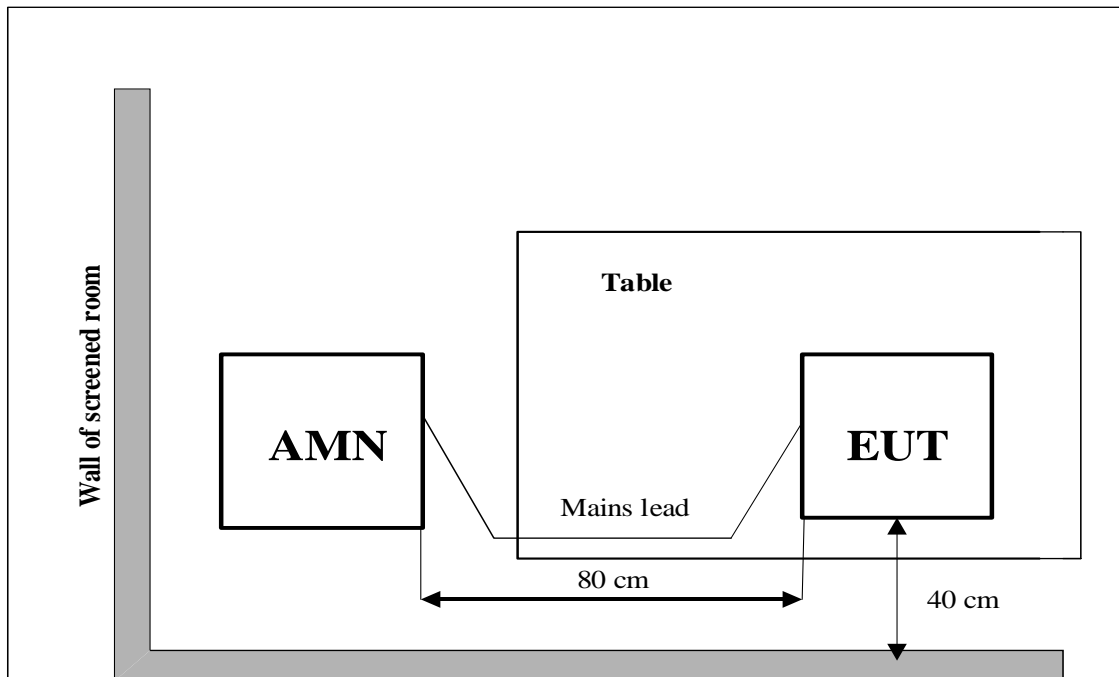
Data Transfer: The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C. The EUT is connected to a PC for transmitting data. The software is used to let the PC keep on copying data to EUT or TF Card, reading and erasing the data after copy action was finished.

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency

A.2.4 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

$$\text{QuasiPeak(dB}\mu\text{V) /Average(dB}\mu\text{V) =PMea+Corr}$$

Where

Corr: PathLoss + Voltage Division Factor

PMea: Measurement result on receiver.

Camera

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.1.	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/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.

FM receiver

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.3.	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.4.	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.5	
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: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.6	
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.

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/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.

FM receiver

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
			UT03aa/Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.9.	P
0.5 to 5	56	46		
5 to 30	60	50		

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



FM receiver

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
			UT03aa/Set.4	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.10.	P
0.5 to 5	56	46		
5 to 30	60	50		

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

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
			UT03aa/Set.5	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.11.	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
			UT03aa/Set.6	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.12.	P
0.5 to 5	56	46		
5 to 30	60	50		

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

AC Input Port/ Voltage: 120V/60Hz

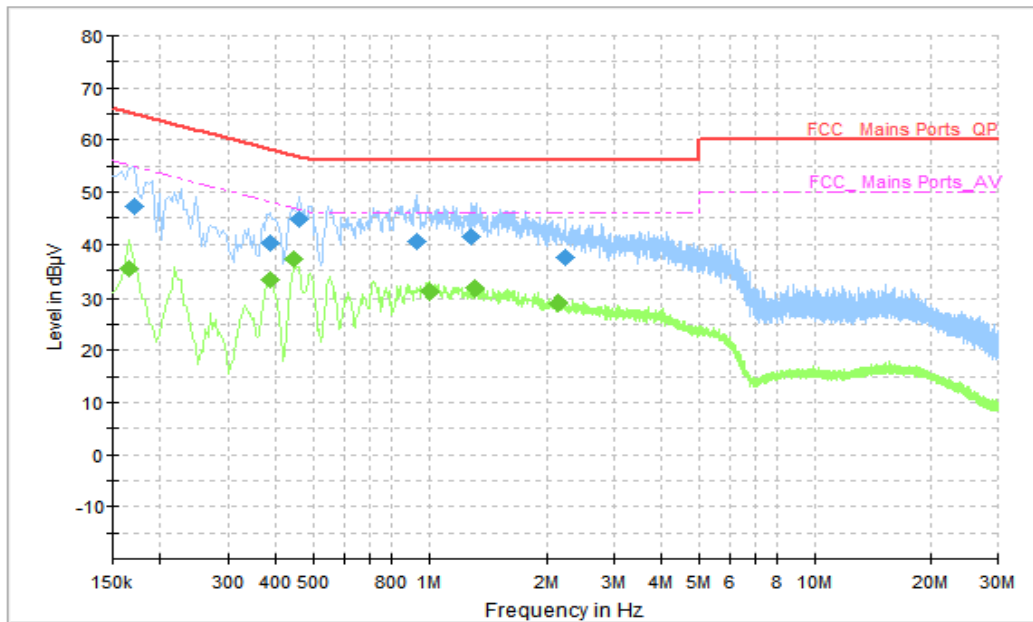


Figure A.2.1. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	47.38	64.96	17.58	L1	10	37.38
0.386000	40.34	58.15	17.81	N	10	30.34
0.458000	44.89	56.73	11.84	N	10	34.89
0.926000	40.59	56.00	15.41	N	10	30.59
1.294000	41.43	56.00	14.57	N	10	31.43
2.234000	37.55	56.00	18.45	N	10	27.55

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.166000	35.27	55.16	19.89	N	10	25.27
0.386000	33.10	48.15	15.05	N	10	23.1
0.446000	37.24	46.95	9.71	N	10	27.24
1.002000	30.99	46.00	15.01	L1	10	20.99
1.318000	31.57	46.00	14.43	N	10	21.57
2.142000	28.81	46.00	17.19	N	10	18.81

AC Input Port/ Voltage: 120V/60Hz

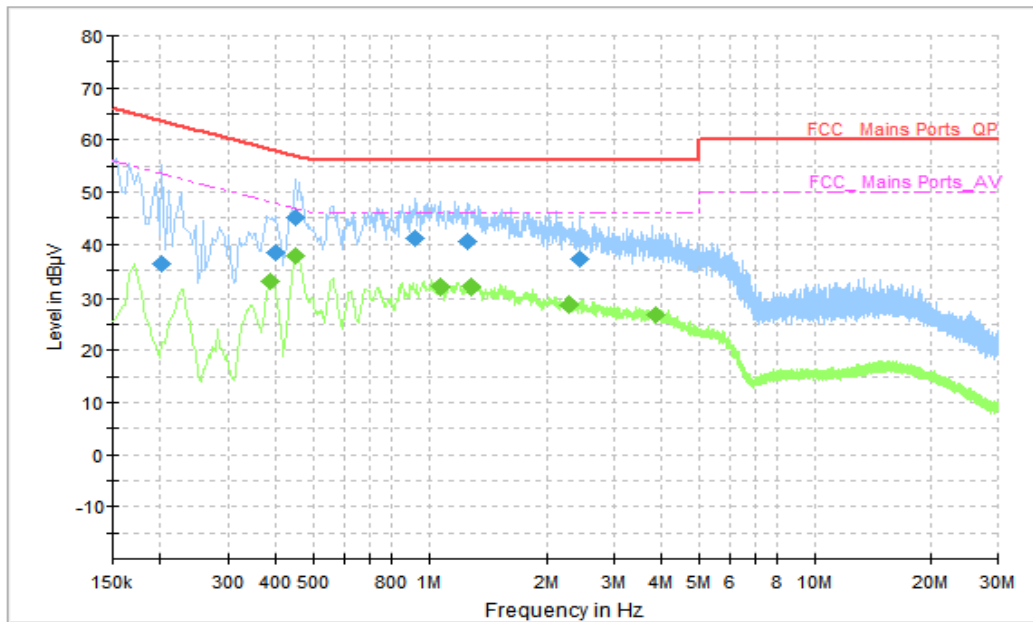


Figure A.2.2. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.202000	36.15	63.53	27.37	L1	10	26.15
0.398000	38.56	57.90	19.34	N	10	28.56
0.450000	45.19	56.88	11.69	N	10	35.19
0.922000	41.28	56.00	14.72	N	10	31.28
1.266000	40.45	56.00	15.55	N	10	30.45
2.434000	37.13	56.00	18.87	N	10	27.13

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.386000	32.87	48.15	15.28	N	10	22.87
0.450000	37.75	46.88	9.13	N	10	27.75
1.066000	31.90	46.00	14.10	N	10	21.90
1.294000	32.07	46.00	13.93	N	10	22.07
2.298000	28.72	46.00	17.28	N	10	18.72
3.846000	26.66	46.00	19.34	N	10	16.66

AC Input Port/ Voltage: 120V/60Hz

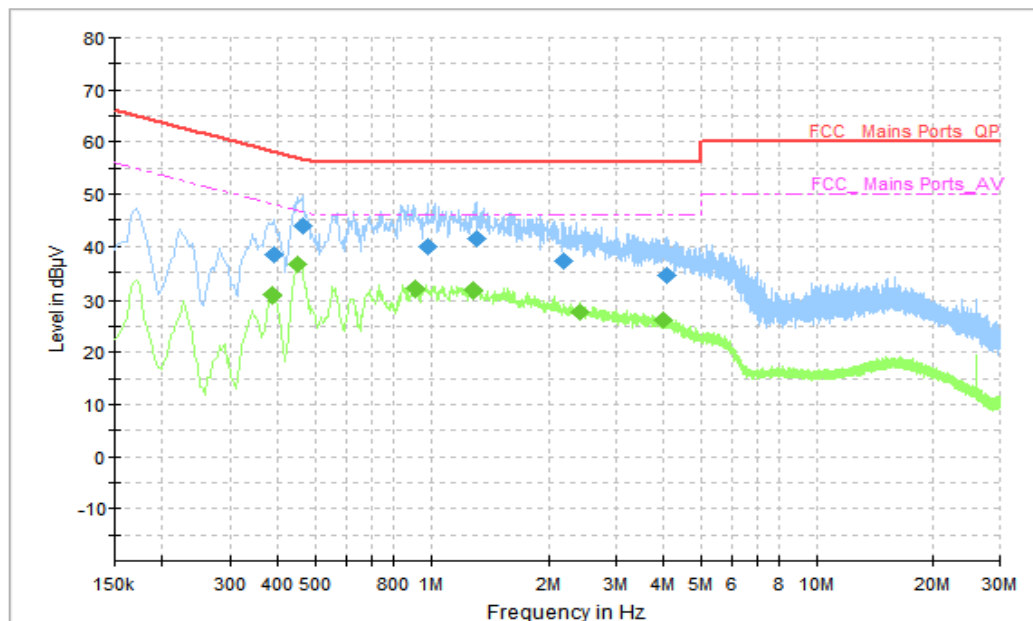


Figure A.2.3. Conducted Emission(FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.390000	38.34	58.06	19.73	N	10	28.34
0.462000	44.03	56.66	12.63	N	10	34.03
0.978000	40.06	56.00	15.94	N	10	30.06
1.310000	41.48	56.00	14.52	N	10	31.48
2.202000	37.21	56.00	18.79	N	10	27.21
4.086000	34.32	56.00	21.68	N	9	25.32

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.386000	30.80	48.15	17.35	N	10	20.80
0.450000	36.71	46.88	10.16	N	10	26.71
0.906000	31.88	46.00	14.12	N	10	21.88
1.294000	31.66	46.00	14.34	N	10	21.66
2.414000	27.85	46.00	18.15	N	10	17.85
3.970000	26.04	46.00	19.96	N	10	16.04

AC Input Port/ Voltage: 120V/60Hz

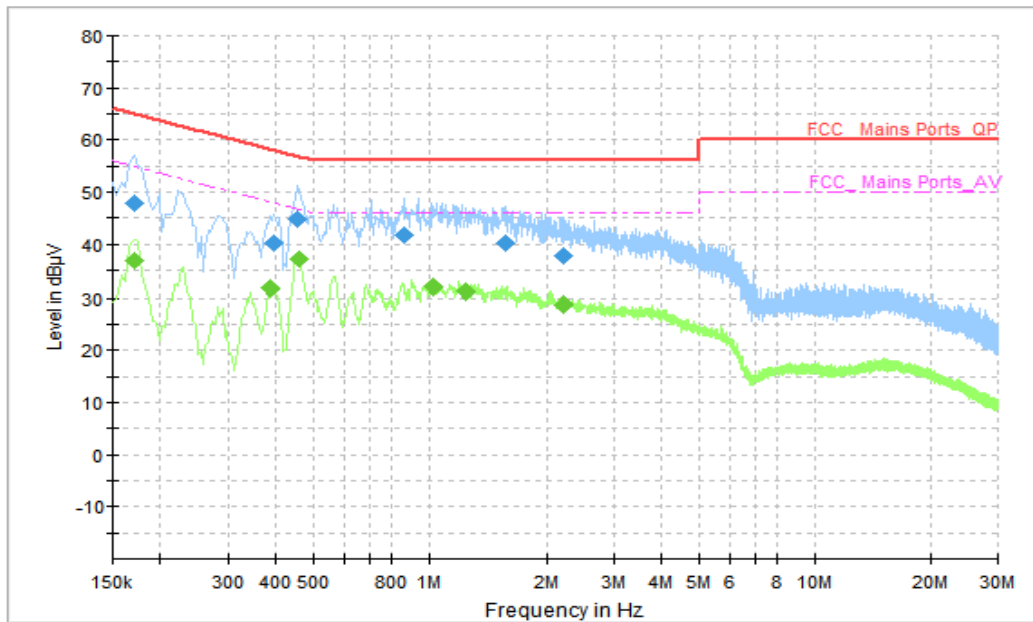


Figure A.2.4. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	47.84	64.96	17.12	N	10	37.84
0.394000	40.39	57.98	17.59	L1	10	30.39
0.454000	44.91	56.80	11.89	N	10	34.91
0.858000	41.84	56.00	14.16	N	10	31.84
1.562000	40.22	56.00	15.78	N	10	30.22
2.206000	37.83	56.00	18.17	N	10	27.83

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	36.85	54.96	18.11	N	10	26.85
0.386000	31.75	48.15	16.40	N	10	21.75
0.458000	37.21	46.73	9.52	N	10	27.21
1.022000	32.07	46.00	13.93	N	10	22.07
1.250000	31.10	46.00	14.90	N	10	21.1
2.222000	28.51	46.00	17.49	N	10	18.51

AC Input Port/ Voltage: 120V/60Hz

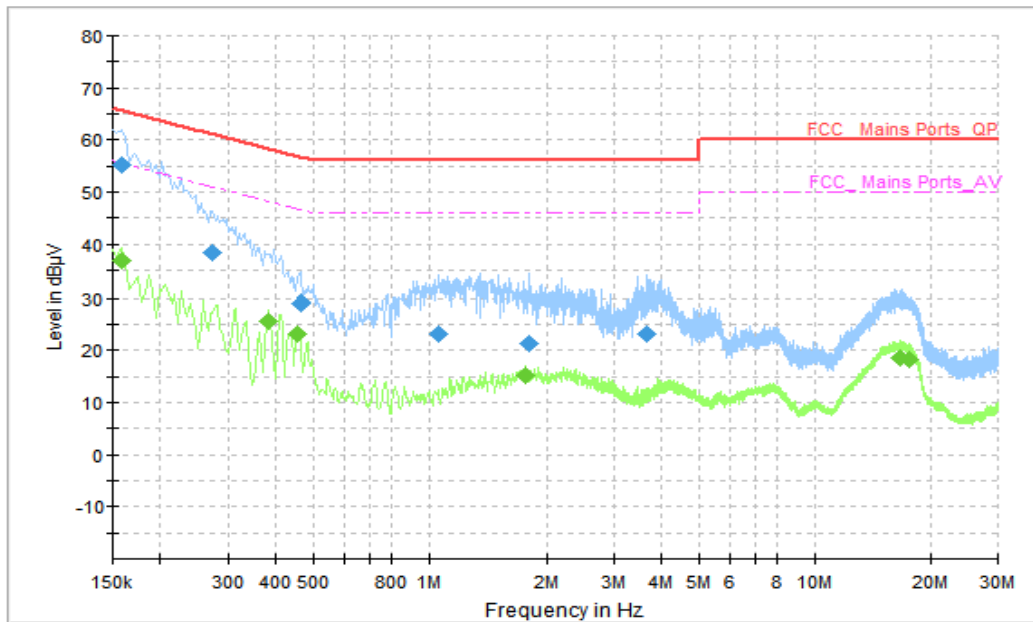


Figure A.2.5. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	55.19	65.57	10.38	L1	10	45.19
0.274000	38.48	61.00	22.51	L1	10	28.48
0.466000	29.01	56.59	27.58	L1	10	19.01
1.062000	23.27	56.00	32.73	N	10	13.27
1.810000	21.20	56.00	34.80	N	10	11.2
3.666000	23.11	56.00	32.89	N	10	13.11

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	36.75	55.57	18.82	N	10	26.75
0.382000	25.58	48.24	22.65	N	10	15.58
0.454000	22.98	46.80	23.82	L1	10	12.98
1.770000	15.07	46.00	30.93	L1	10	5.07
16.730000	18.68	50.00	31.32	N	11	7.68
17.698000	18.25	50.00	31.75	N	11	7.25

AC Input Port/ Voltage: 120V/60Hz

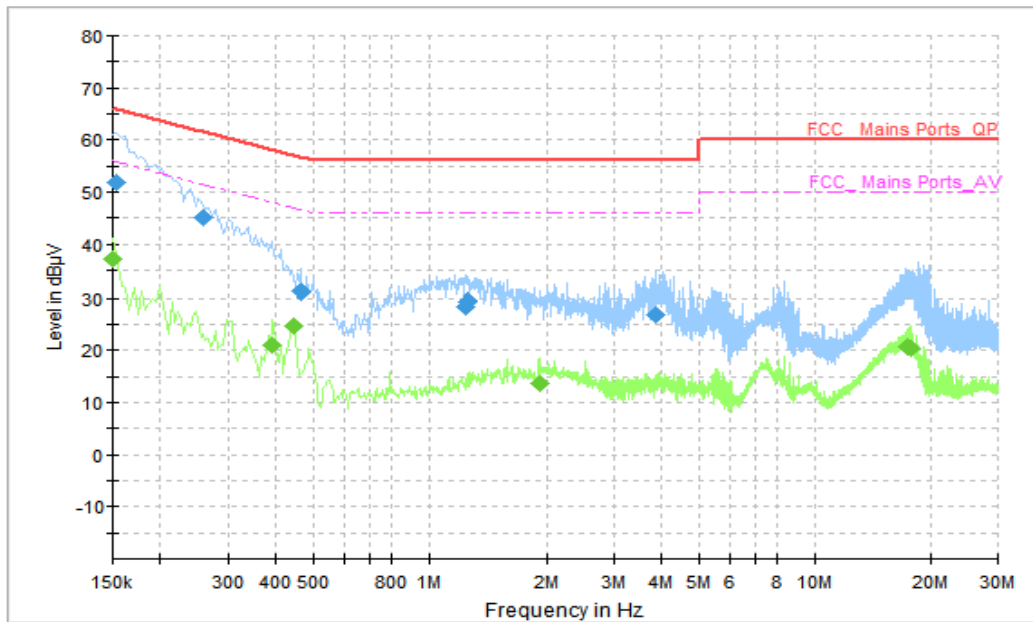


Figure A.2.6. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.154000	51.95	65.78	13.83	L1	10	41.95
0.258000	45.06	61.50	16.44	N	10	35.06
0.462000	30.92	56.66	19.74	L1	10	20.92
1.242000	28.43	56.00	27.57	N	10	18.43
1.254000	29.26	56.00	26.74	N	10	19.26
3.850000	26.65	56.00	29.35	N	10	16.65

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	37.13	56.00	18.87	N	10	27.13
0.390000	20.94	48.06	27.12	N	10	10.94
0.446000	24.77	46.95	22.18	N	10	14.77
1.914000	13.56	46.00	32.44	L1	10	3.56
17.346000	20.64	50.00	29.36	N	11	9.64
17.766000	20.25	50.00	29.75	L1	10	10.25

AC Input Port/ Voltage: 240V/60Hz

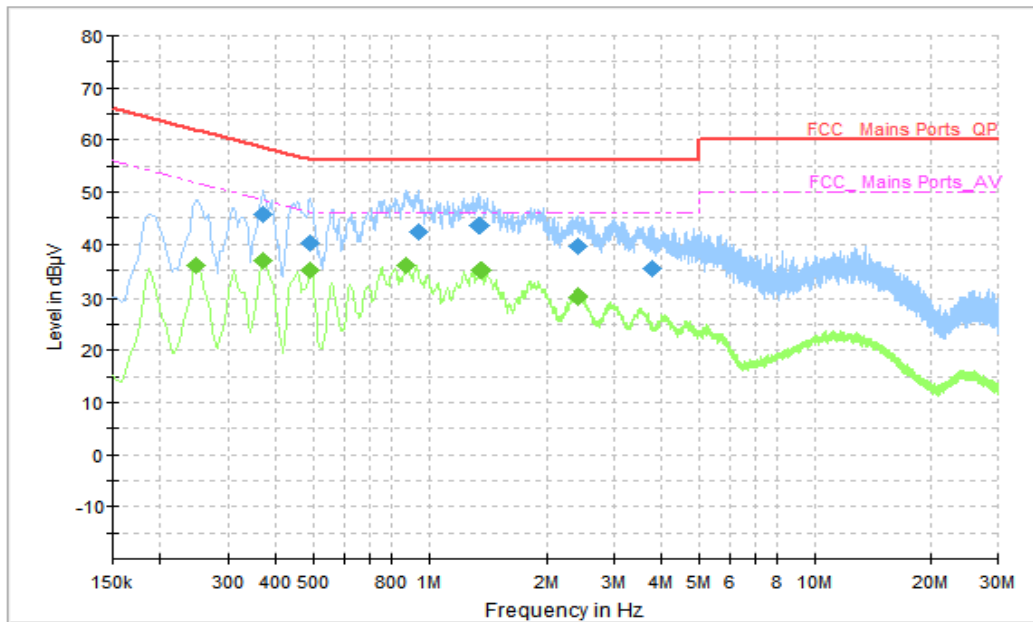


Figure A.2.7. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.370000	45.70	58.50	12.81	N	10	35.70
0.490000	40.38	56.17	15.79	L1	10	30.38
0.942000	42.48	56.00	13.52	L1	10	32.48
1.346000	43.65	56.00	12.35	N	10	33.65
2.410000	39.51	56.00	16.49	N	10	29.51
3.778000	35.27	56.00	20.73	L1	10	25.27

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.246000	36.11	51.89	15.78	N	10	26.11
0.370000	36.98	48.50	11.52	N	10	26.98
0.490000	34.94	46.17	11.23	N	10	24.94
0.870000	35.98	46.00	10.02	N	10	25.98
1.362000	35.19	46.00	10.81	N	10	25.19
2.406000	30.20	46.00	15.80	N	10	20.20

AC Input Port/ Voltage: 240V/60Hz

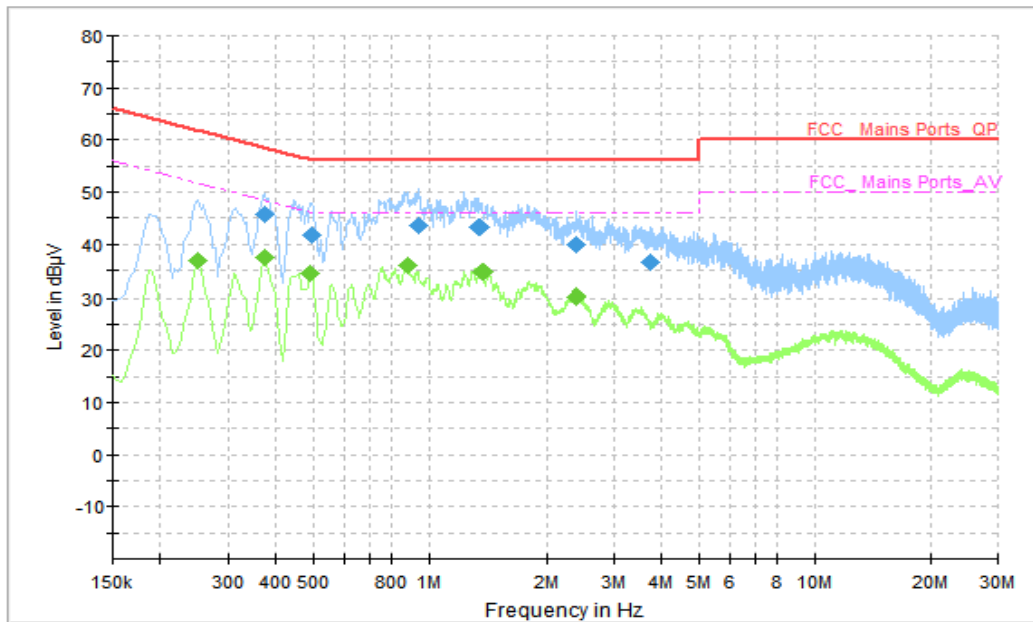


Figure A.2.8. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.374000	45.89	58.41	12.52	N	10	35.89
0.494000	41.75	56.10	14.35	L1	10	31.75
0.942000	43.51	56.00	12.49	L1	10	33.51
1.346000	43.27	56.00	12.73	N	10	33.27
2.386000	39.81	56.00	16.19	N	10	29.81
3.726000	36.56	56.00	19.44	L1	10	26.56

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.250000	36.80	51.76	14.95	N	10	26.80
0.374000	37.52	48.41	10.90	N	10	27.52
0.490000	34.54	46.17	11.63	N	10	24.54
0.878000	35.85	46.00	10.15	N	10	25.85
1.370000	34.85	46.00	11.15	N	10	24.85
2.382000	30.11	46.00	15.89	N	10	20.11

AC Input Port/ Voltage: 240V/60Hz

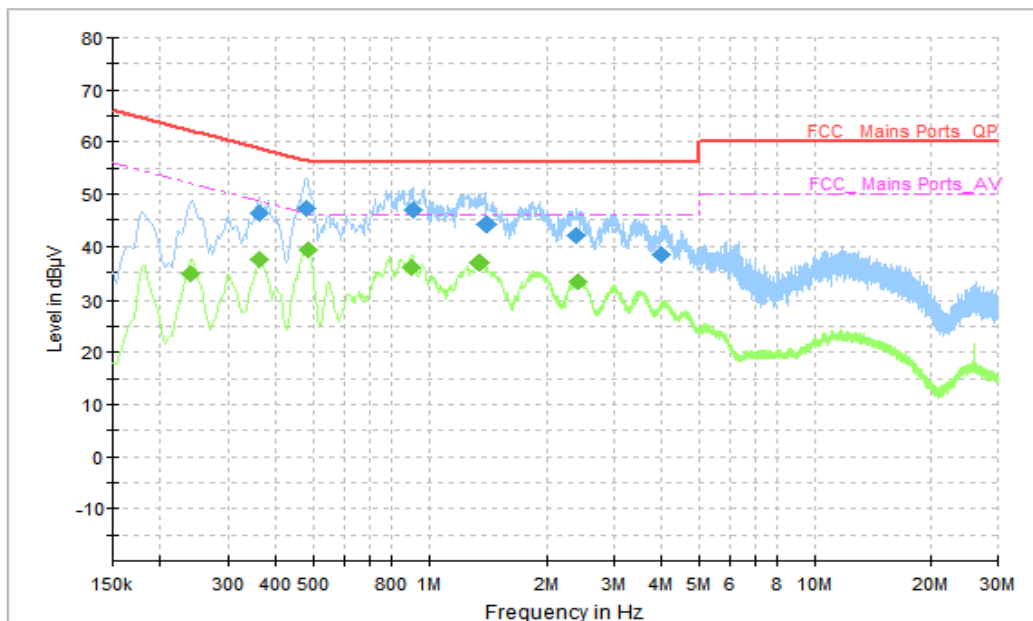


Figure A.2.9. Conducted Emission(FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.362000	46.34	58.68	12.34	N	10	36.34
0.478000	47.37	56.37	9.00	N	10	37.37
0.910000	46.84	56.00	9.16	N	10	36.84
1.406000	44.15	56.00	11.85	N	10	34.15
2.382000	42.11	56.00	13.89	N	10	32.11
3.978000	38.54	56.00	17.46	N	10	28.54

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.238000	34.88	52.17	17.29	N	10	24.88
0.362000	37.49	48.68	11.20	N	10	27.49
0.486000	39.29	46.24	6.95	N	10	29.29
0.902000	35.94	46.00	10.06	N	10	25.94
1.338000	36.92	46.00	9.08	N	10	26.92
2.418000	33.10	46.00	12.90	N	10	23.10

AC Input Port/ Voltage: 240V/60Hz

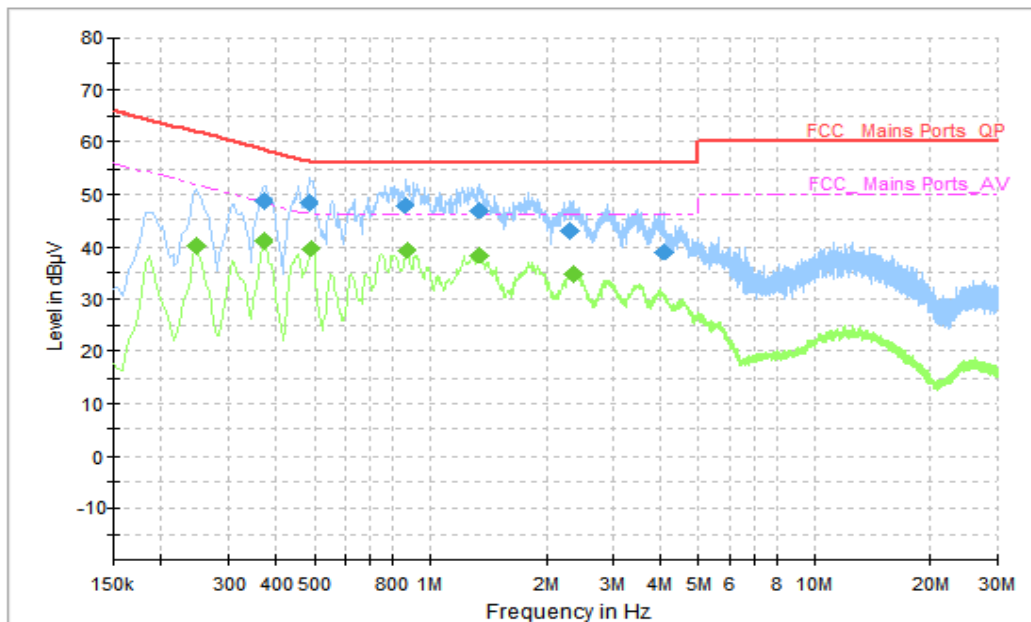


Figure A.2.10. Conducted Emission(FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.370000	48.76	58.50	9.74	N	10	38.76
0.486000	48.62	56.24	7.62	N	10	38.62
0.866000	47.92	56.00	8.08	N	10	37.92
1.350000	47.12	56.00	8.88	N	10	37.12
2.326000	43.02	56.00	12.98	N	10	33.02
4.066000	38.89	56.00	17.11	N	10	28.89

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.246000	40.33	51.89	11.57	N	10	30.33
0.370000	41.11	48.50	7.39	N	10	31.11
0.490000	39.74	46.17	6.42	N	10	29.74
0.870000	39.32	46.00	6.68	N	10	29.32
1.346000	38.35	46.00	7.65	N	10	28.35
2.370000	34.70	46.00	11.30	N	10	24.70

AC Input Port/ Voltage: 240V/60Hz

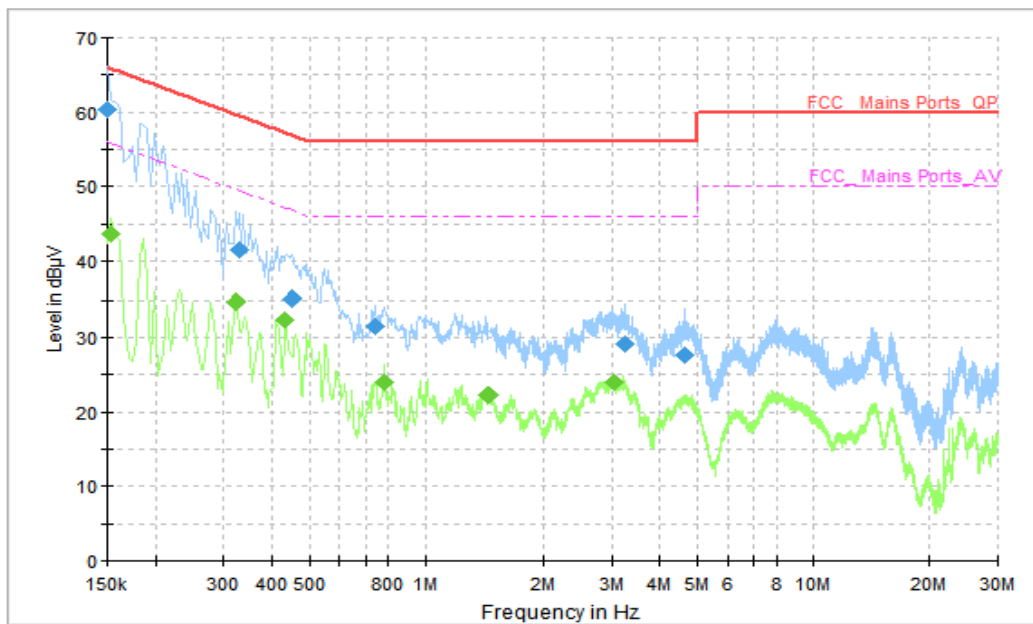


Figure A.2.11. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	60.36	66.00	5.64	L1	10	50.36
0.330000	41.47	59.45	17.98	L1	10	31.47
0.450000	35.16	56.88	21.71	N	10	25.16
0.738000	31.46	56.00	24.54	L1	10	21.46
3.234000	29.05	56.00	26.95	L1	10	19.05
4.650000	27.68	56.00	28.32	L1	10	17.68

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.154000	43.67	55.78	12.11	N	10	33.67
0.322000	34.64	49.66	15.02	L1	10	24.64
0.434000	32.24	47.18	14.94	N	10	22.24
0.782000	24.03	46.00	21.97	L1	10	14.03
1.446000	22.17	46.00	23.83	L1	10	12.17
3.058000	23.91	46.00	22.09	L1	10	13.91

AC Input Port/ Voltage: 240V/60Hz

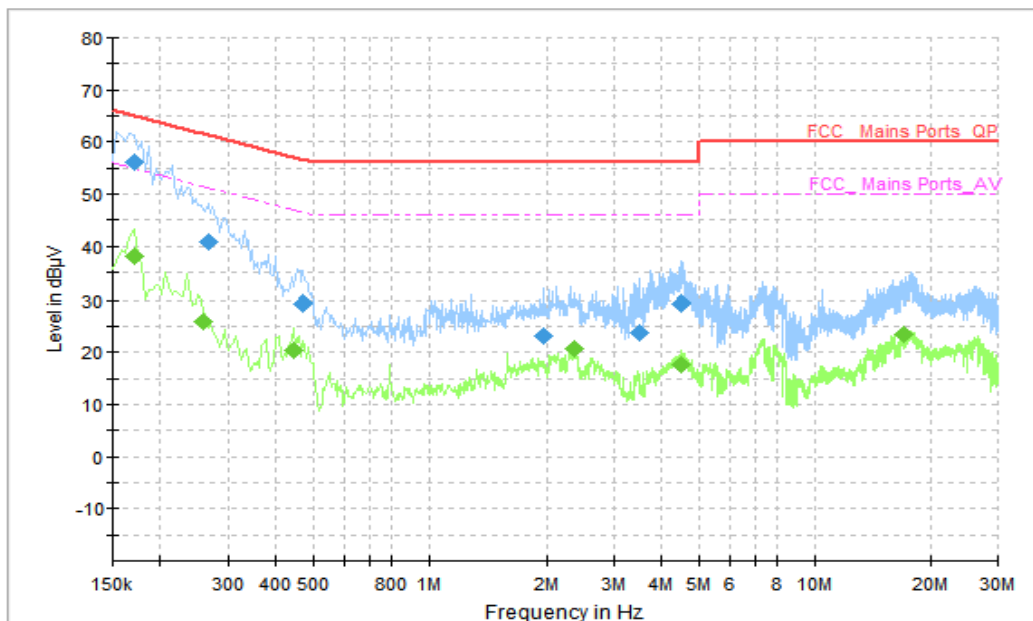


Figure A.2.12. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	56.27	64.96	8.69	N	10	46.27
0.266000	40.85	61.24	20.39	L1	10	30.85
0.470000	29.36	56.51	27.16	L1	10	19.36
1.970000	23.14	56.00	32.86	N	10	13.14
3.498000	23.64	56.00	32.36	L1	10	13.64
4.486000	29.19	56.00	26.81	L1	10	19.19

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	38.01	54.96	16.95	N	10	28.01
0.258000	25.79	51.50	25.71	N	10	15.79
0.446000	20.51	46.95	26.44	N	10	10.51
2.366000	20.63	46.00	25.37	L1	10	10.63
4.486000	17.70	46.00	28.30	L1	10	7.7
17.082000	23.42	50.00	26.58	L1	10	13.42

END OF REPORT