TEST REPORT

No.I22N00042-EMC

for

TCL Communication Ltd.

Tablet PC

Model Name：9296Q

With

Hardware Version: PIO

Software Version: 5C57

FCC ID: 2ACCJB159

Issued Date: 2022-03-10

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
I22N00042-EMC	Rev.0	1st edition	2022-03-10

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	9296Q
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".

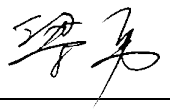
1.4. Testing Location

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

1.5. Project data

Testing Start Date: 2022-02-18 Testing End Date: 2022-03-08

1.6. Signature



Liang Yong

(Prepared this test report)

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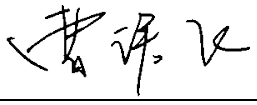

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(Approved this test report)

2. CLIENT INFORMATION

2.1. Applicant Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact	Peter Yang
Email	peter.yang@tcl.com
Tel.	+86 755 3664 5759
Fax	0086-755-36612000-81722

2.2. Manufacturer Information

Company Name:	TCL Communication Ltd.
Address:	5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
Contact	Peter Yang
Email	peter.yang@tcl.com
Tel.	+86 755 3664 5759
Fax	0086-755-36612000-81722

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

3.1. About EUT

Description	Tablet PC
Model Name	9296Q
FCC ID	2ACCJB159
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	e82d528	PIO	5C57	2022-01-28
UT02aa	b4fcbb6	PIO	5C57	2022-01-28

*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

AE1-1

Model	TLp078A1
Manufacturer	BYD
Capacity	7800mAh
Nominal Voltage	3.85V
S/N	CAC7800000C1

AE2-1

Model	QC13US
S/N	CBA0064BGTC5
Manufacturer	PUAN

AE2-2

Model	QC13US
S/N	CBA0064BGTC1
Manufacturer	BYD

AE3-1

Model	CDA0000128C1
Manufacturer	JUWEI

AE3-2

Model CDA0000128C2
Manufacturer SHENGHUA
AE4
Model /
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+AE1-1+AE2-1+AE3-1	Camera/Video Player
Set.2	EUT+AE1-1+AE2-2+AE3-2	Camera/Video Player
Set.3	EUT+AE1-1+AE4	FM receive
Set.4	EUT+AE1-1+AE3-1+PC	Data Transfer
Set.5	EUT+AE1-1+AE3-2+PC	Data Transfer

3.5. General Description

The Equipment Under Test (EUT) is a model of Tablet PC.
It has Video Player, Camera, FM Receiver, USB memory, Bluetooth, Wi-Fi and GNSS functions.
It consists of normal options: Battery, Charger and USB 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 ℃, Max. = 35℃
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 ℃, Max. = 35 ℃
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 ℃, Max. = 35℃
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℃
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	Section in this report	Verdict
1	Radiated Emission	15.109(a)	A.1	P
2	Conducted Emission	15.107(a)	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.	Horn Antenna	QSH-SL-18-26-S-20	17013	Q-par	2023.01.06	3 years
11.	Horn Antenna	QSH-SL-8-26-40-K-20	17014	Q-par	2023.01.06	3 years

9. TEST ACCESSORY UTILIZED

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

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission (§15.109(a))

Reference

FCC: Part 15.109(a)

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator 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.

This device dors not contain the receivers which tune and operate between 30MHz-960MHz of licensed bands

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 (μV/m)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

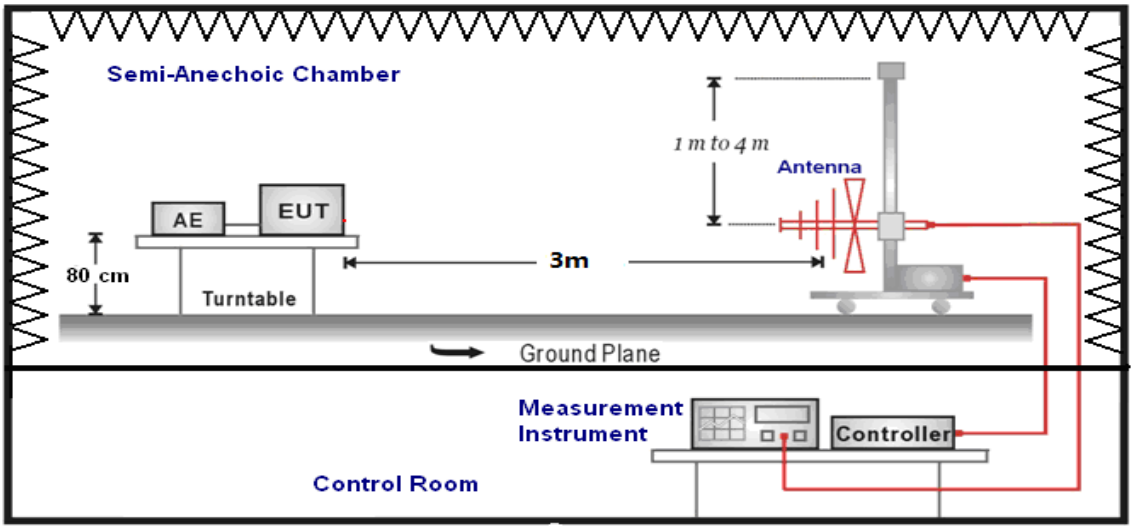
*Note: The original limit is defined at 10m test distance. This limit is calculated according to CISPR requirements.

A.1.4 Test Condition

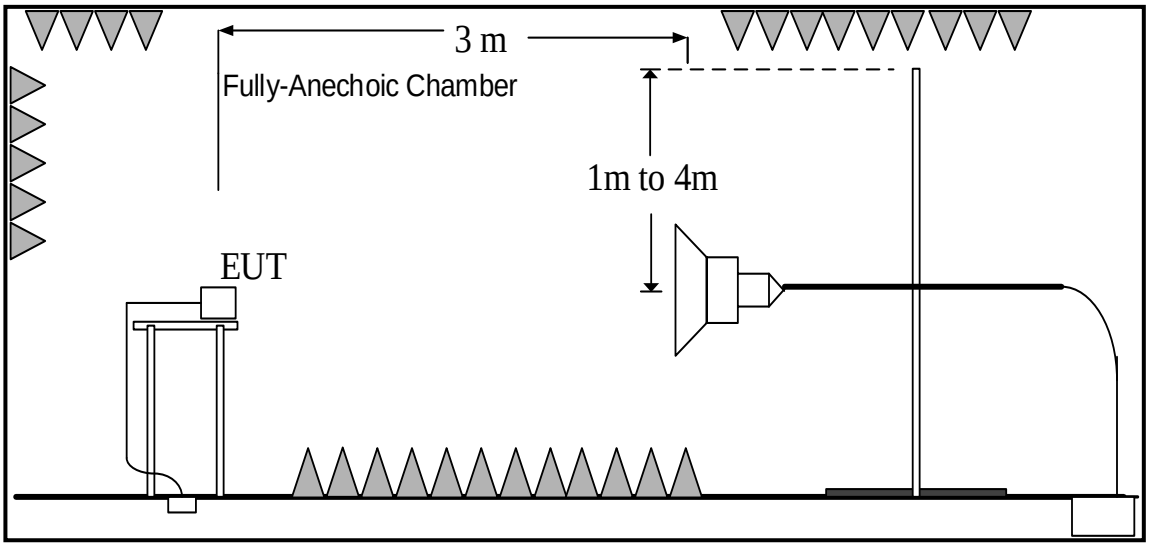
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

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) UT02aa/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) UT02aa/Set.1	Conclusion
1000 to 3000	54.00	74.00	See Figure A.1.2.	P
3000 to 18000	54.00	74.00	See Figure A.1.3.	
18000 to 26500	54.00	74.00	See Figure A.1.4.	
26500 to 40000	54.00	74.00	See Figure A.1.5.	

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.1	Conclusion
30-88	40.00	See Figure A.1.6.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.1	Conclusion
1000 to 3000	54.00	74.00	See Figure A.1.7.	P
3000 to 18000	54.00	74.00	See Figure A.1.8.	
18000 to 26500	54.00	74.00	See Figure A.1.9.	
26500 to 40000	54.00	74.00	See Figure A.1.10.	

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
30-88	40.00	See Figure A.1.11.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.2	Conclusion
1000 to 3000	54.00	74.00	See Figure A.1.12.	P
3000 to 18000	54.00	74.00	See Figure A.1.13.	
18000 to 26500	54.00	74.00	See Figure A.1.14.	
26500 to 40000	54.00	74.00	See Figure A.1.15.	

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.3	Conclusion
30-88	40.00	See Figure A.1.16.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.3	Conclusion
1000 to 3000	54.00	74.00	See Figure A.1.17.	P
3000 to 18000	54.00	74.00	See Figure A.1.18.	
18000 to 26500	54.00	74.00	See Figure A.1.19.	
26500 to 40000	54.00	74.00	See Figure A.1.20.	

Data Transfer

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.4	Conclusion
30-88	40.00	See Figure A.1.21.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.4	Conclusion
1000 to 3000	54.00	74.00	See Figure A.1.22.	P
3000 to 18000	54.00	74.00	See Figure A.1.23.	
18000 to 26500	54.00	74.00	See Figure A.1.24.	
26500 to 40000	54.00	74.00	See Figure A.1.25.	

Data Transfer

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.5	Conclusion
30-88	40.00	See Figure A.1.26.	P
88-216	43.52		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) UT02aa/Set.5	Conclusion
1000 to 3000	54.00	74.00	See Figure A.1.27.	P
3000 to 18000	54.00	74.00	See Figure A.1.28.	
18000 to 26500	54.00	74.00	See Figure A.1.29.	
26500 to 40000	54.00	74.00	See Figure A.1.30.	

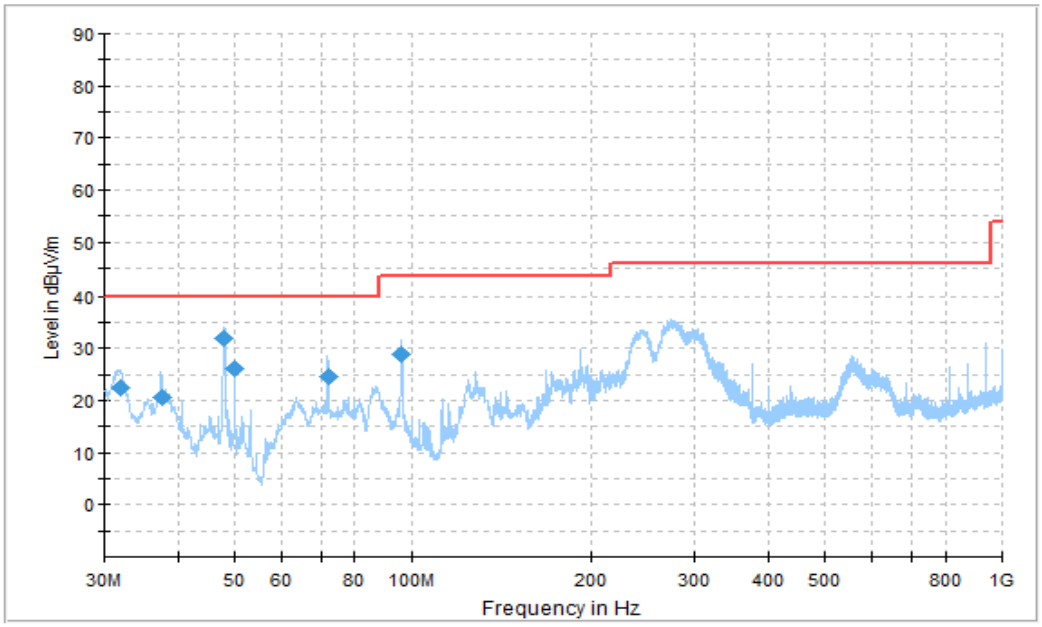


Figure A.1.1. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.052222	22.52	40.00	17.48	V	-25.7	48.22
37.510556	20.51	40.00	19.49	V	-28.0	48.51
48.018889	31.79	40.00	8.21	V	-35.0	66.79
49.998889	25.99	40.00	14.01	V	-36.5	62.49
71.999444	24.48	40.00	15.52	V	-34.0	58.48
95.967778	28.84	43.50	14.66	V	-32.5	61.34

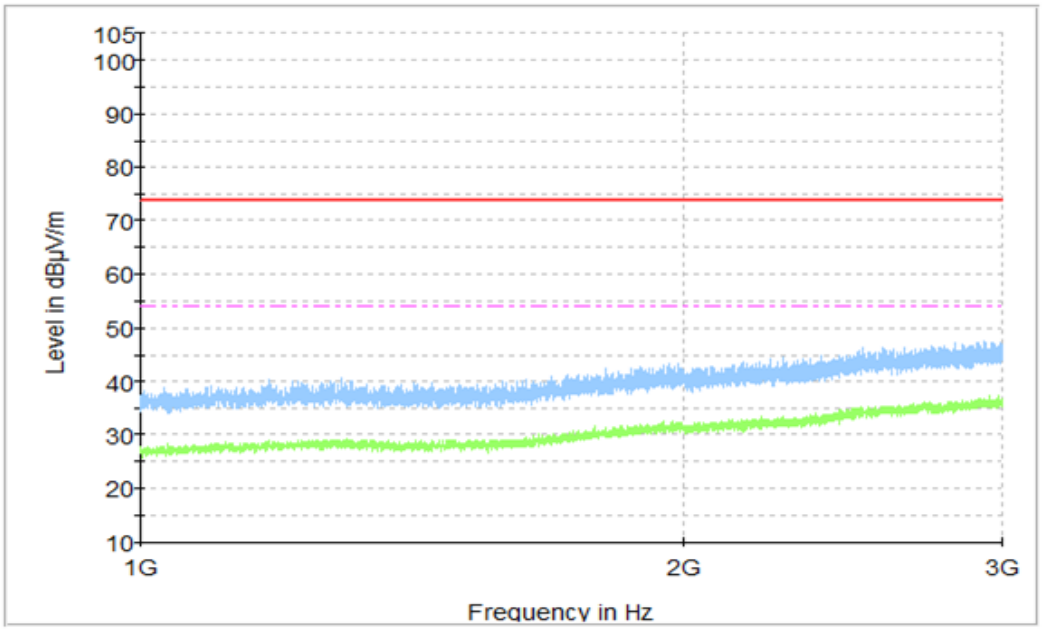


Figure A.1.2. Radiated Emission (Camera , 1GHz to 3GHz)

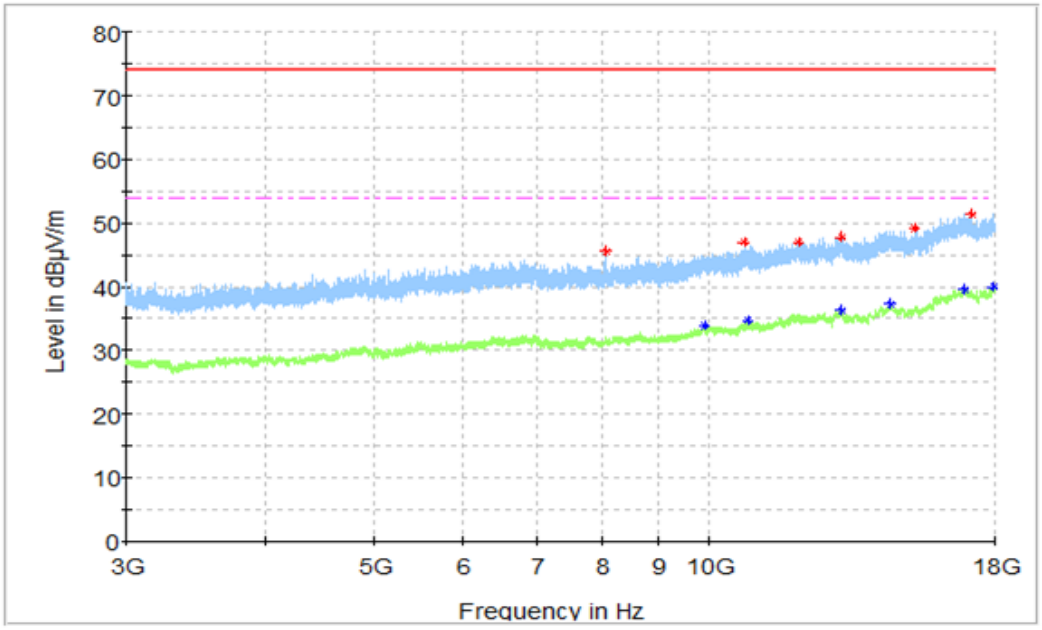


Figure A.1.3. Radiated Emission (Camera , 3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
8074.500000	45.56	74.00	28.44	V	2.9	42.66
10734.000000	46.92	74.00	27.08	V	6.4	40.52
12006.500000	46.94	74.00	27.06	V	8.3	38.64
13095.000000	47.70	74.00	26.30	V	9.7	38.00
15279.500000	49.15	74.00	24.85	V	12.2	36.95
17147.500000	51.48	74.00	22.52	H	15.5	35.98

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
9883.000000	33.89	54.00	20.11	V	5.4	28.49
10821.500000	34.75	54.00	19.25	H	6.5	28.25
13097.000000	36.33	54.00	17.67	H	9.8	26.53
14514.000000	37.29	54.00	16.71	H	11.7	25.59
16889.500000	39.59	54.00	14.41	H	16.0	23.59
17945.500000	39.98	54.00	14.02	V	17.3	22.68

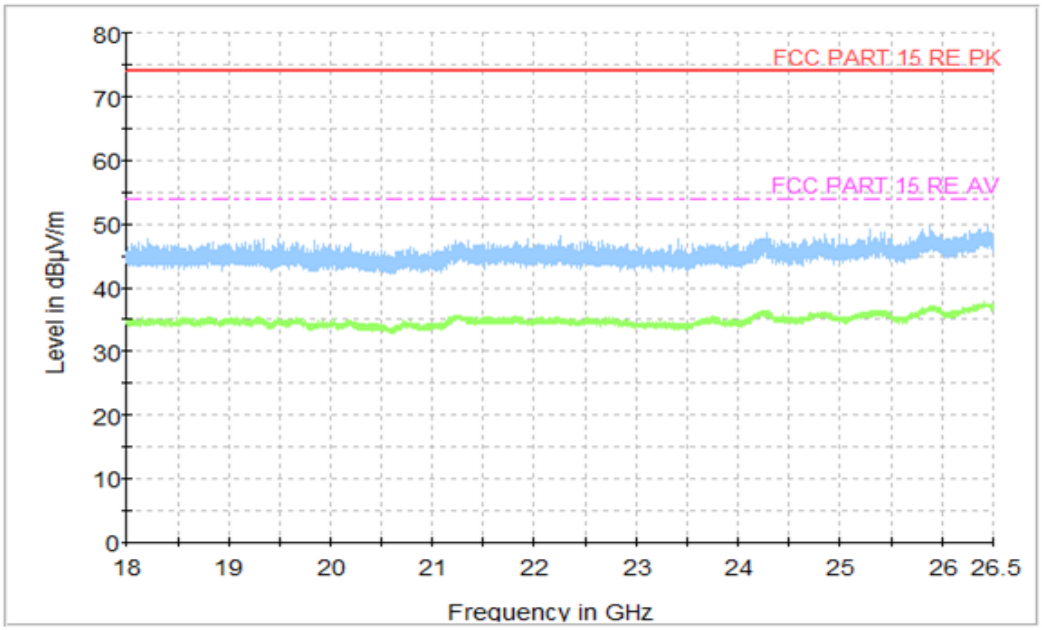


Figure A.1.4. Radiated Emission (Camera , 18GHz to 26.5GHz)

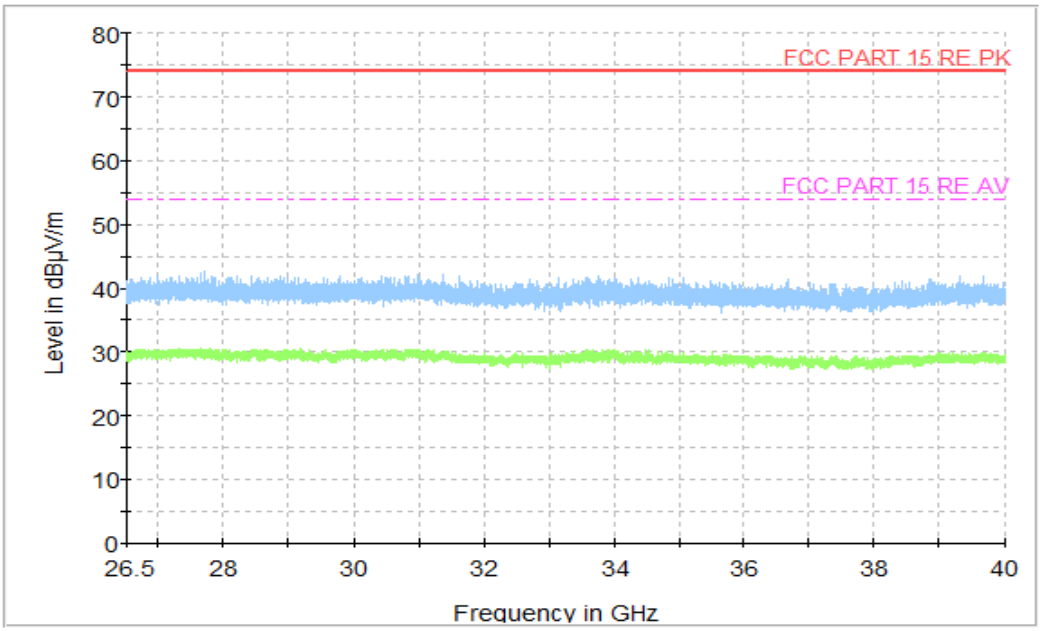


Figure A.1.5. Radiated Emission (Camera , 26.5GHz to 40GHz)

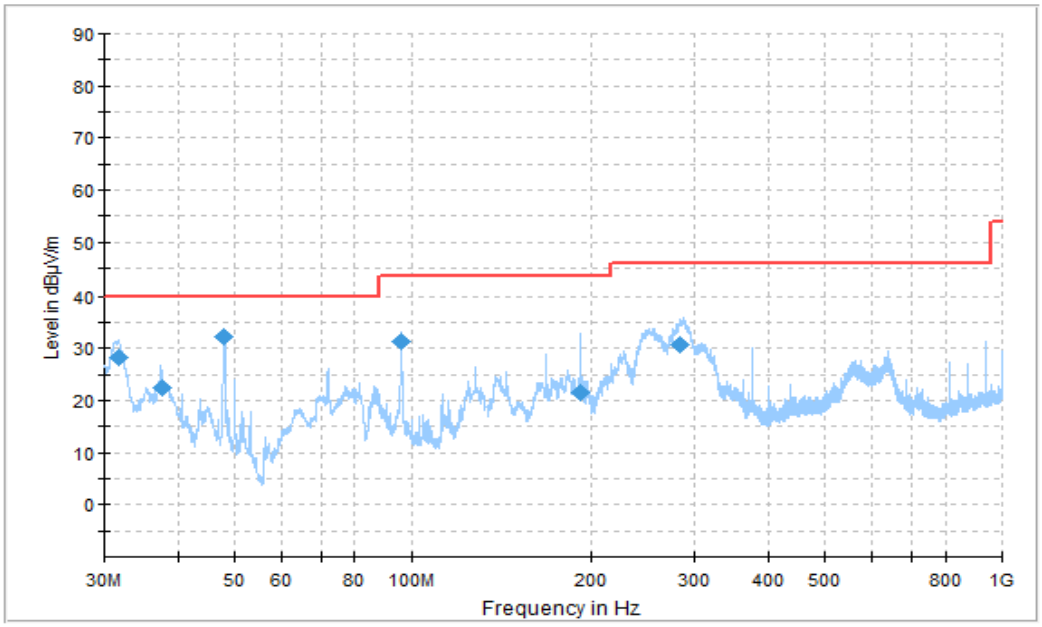


Figure A.1.6. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
31.701111	28.37	40.00	11.63	V	-25.6	53.97
37.510556	22.37	40.00	17.63	V	-28.0	50.37
48.005000	32.18	40.00	7.82	V	-35.0	67.18
95.992222	31.24	43.50	12.26	V	-32.5	63.74
191.836111	21.48	43.50	22.02	V	-33.4	54.88
283.219444	30.71	46.00	15.29	H	-29.9	60.61

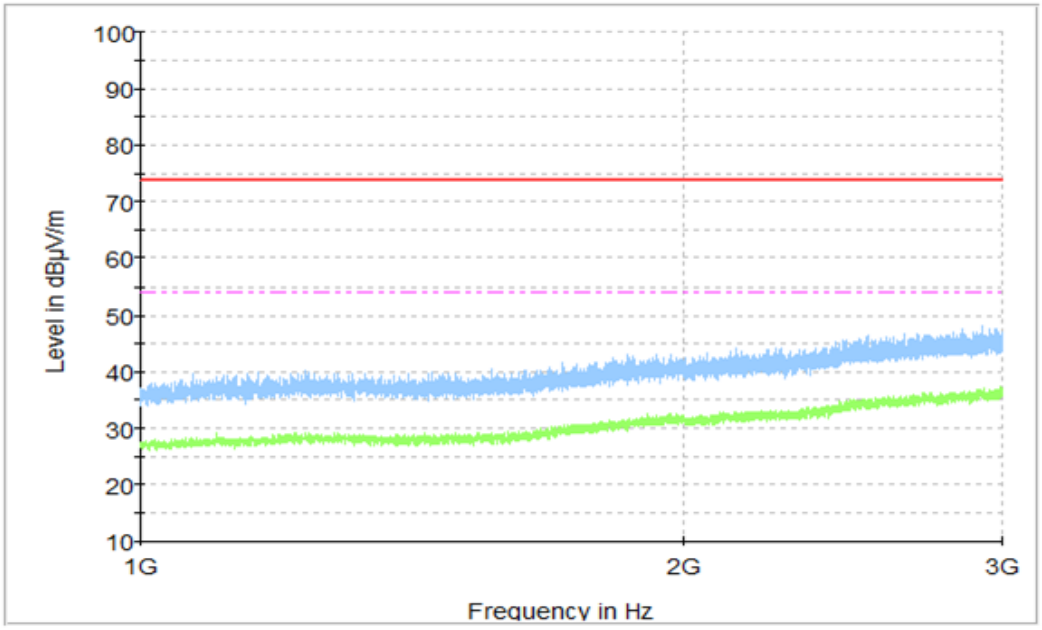


Figure A.1.7. Radiated Emission (Video Player , 1GHz to 3GHz)

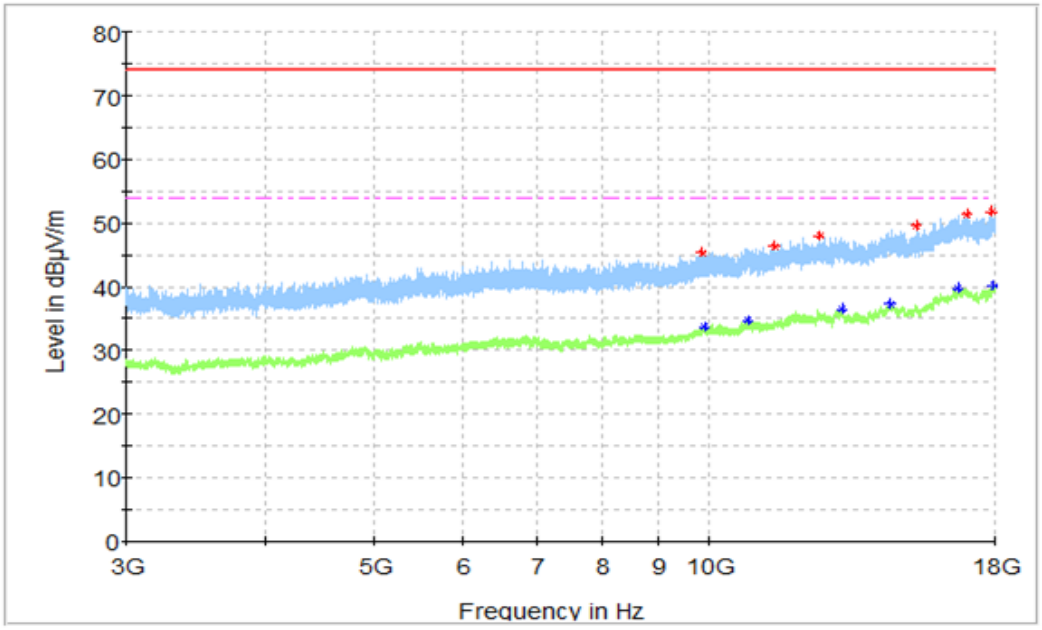


Figure A.1.8. Radiated Emission (Video Player , 3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
9845.500000	45.29	74.00	28.71	H	5.2	40.09
11423.000000	46.39	74.00	27.61	V	6.7	39.69
12530.000000	48.06	74.00	25.94	V	8.5	39.56
15300.500000	49.59	74.00	24.41	V	12.4	37.19
16995.500000	51.47	74.00	22.53	V	15.5	35.97
17913.500000	51.73	74.00	22.27	V	17.2	34.53

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
9885.500000	33.59	54.00	20.41	H	5.3	28.29
10823.500000	34.71	54.00	19.29	V	6.4	28.31
13129.500000	36.42	54.00	17.58	H	9.7	26.72
14502.500000	37.31	54.00	16.69	V	11.7	25.61
16700.000000	39.61	54.00	14.39	V	15.4	24.21
17942.000000	40.12	54.00	13.88	V	17.2	22.92

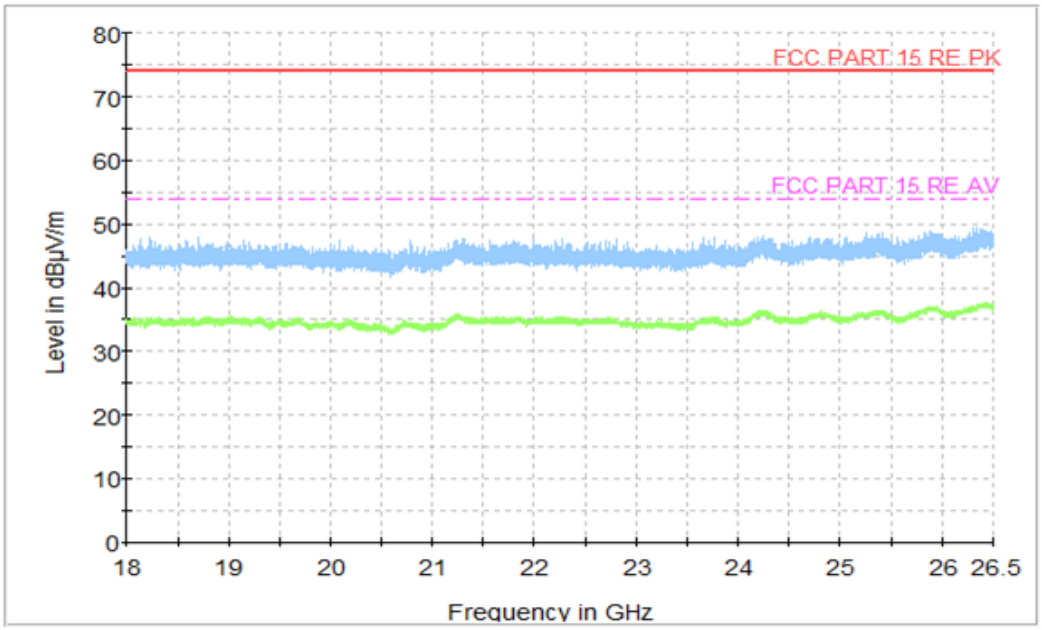


Figure A.1.9. Radiated Emission (Video Player , 18GHz to 26.5GHz)

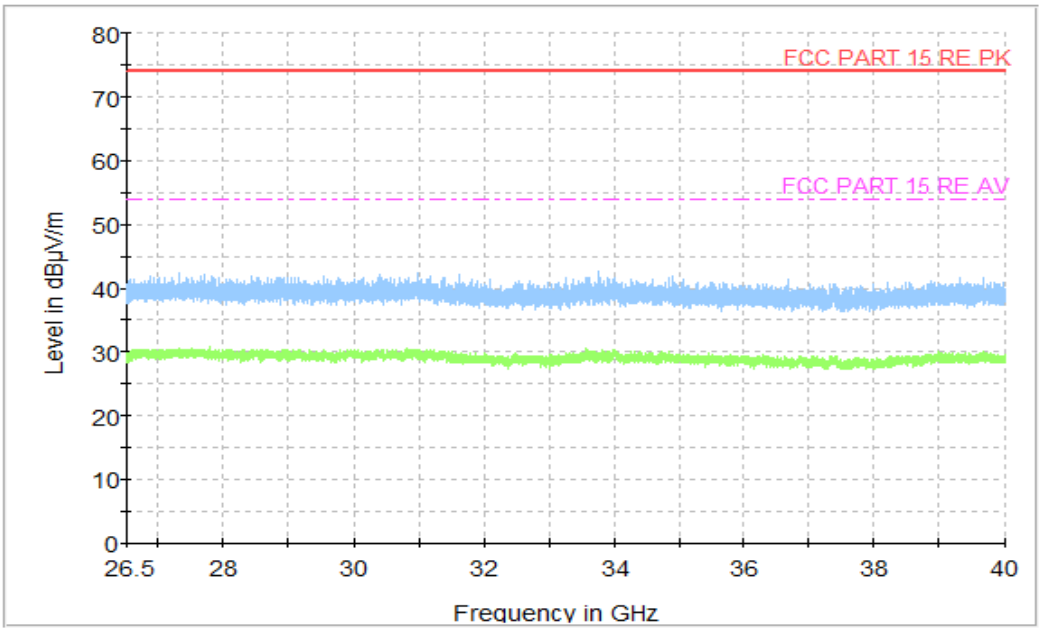


Figure A.1.10. Radiated Emission (Video Player , 26.5GHz to 40GHz)

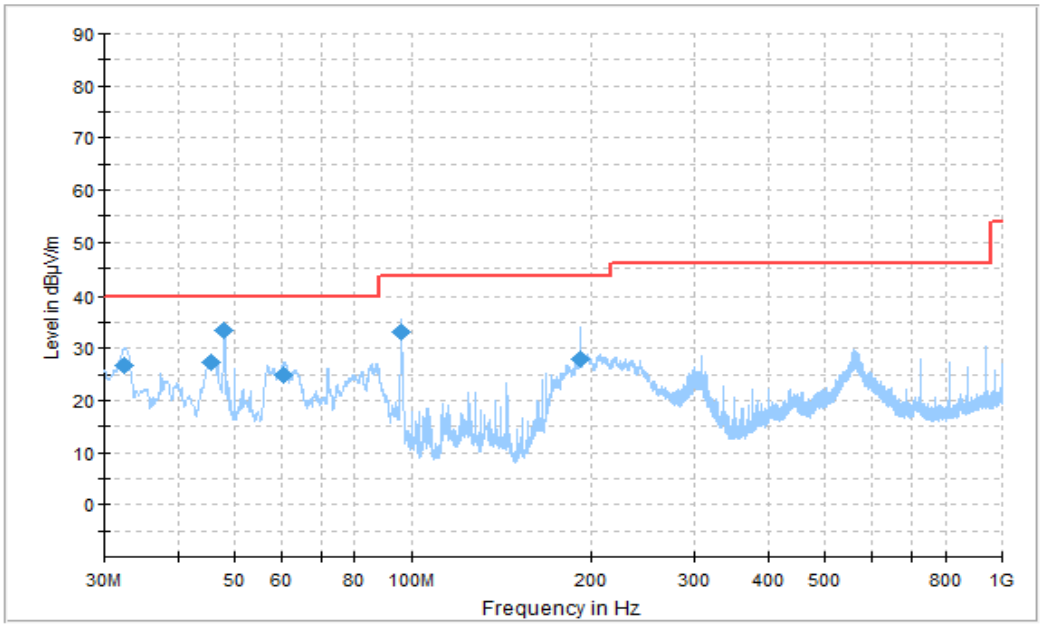


Figure A.1.11. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
32.432778	26.73	40.00	13.27	V	-25.9	52.63
45.595556	27.18	40.00	12.82	V	-33.0	60.18
48.005000	33.36	40.00	6.64	V	-35.2	68.56
60.655000	24.74	40.00	15.26	V	-36.8	61.54
95.980000	33.09	43.50	10.41	V	-32.7	65.79
191.996111	27.78	43.50	15.72	H	-33.4	61.18

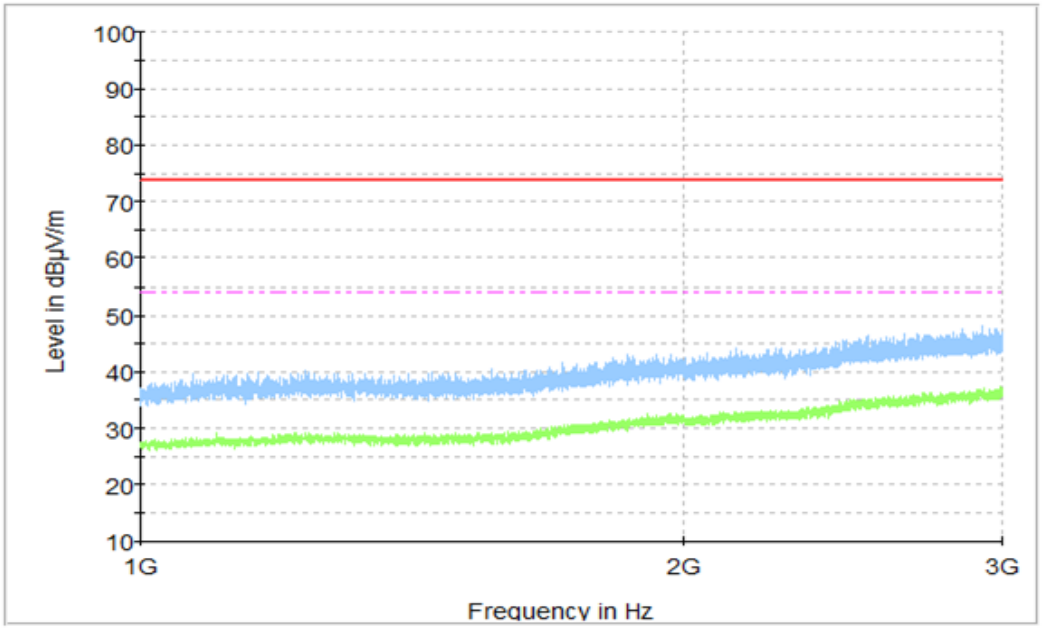


Figure A.1.12. Radiated Emission (Video Player , 1GHz to 3GHz)

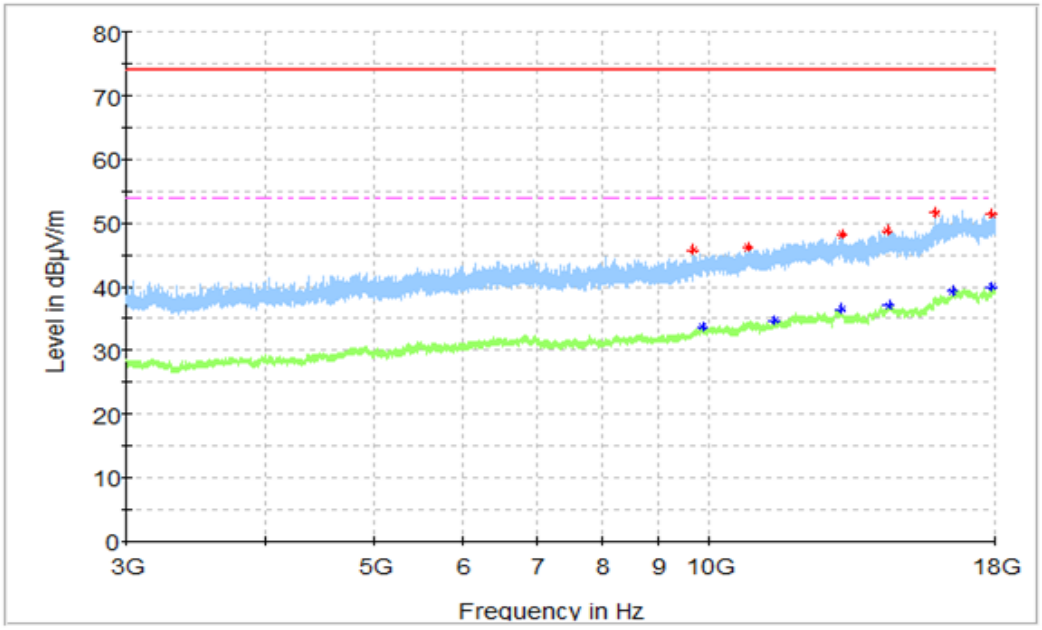


Figure A.1.13. Radiated Emission (Video Player , 3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
9653.000000	45.72	74.00	28.28	V	4.5	41.22
10825.500000	46.13	74.00	27.87	H	6.3	39.83
13130.500000	48.09	74.00	25.91	V	9.7	38.39
14422.000000	48.77	74.00	25.23	V	11.3	37.47
15935.500000	51.60	74.00	22.40	H	14.6	37
17866.000000	51.32	74.00	22.68	V	16.9	34.42

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
9859.500000	33.65	54.00	20.35	V	5.3	28.35
11438.000000	34.66	54.00	19.34	H	6.7	27.96
13099.500000	36.51	54.00	17.49	H	9.8	26.71
14461.000000	37.10	54.00	16.90	V	11.8	25.30
16519.000000	39.32	54.00	14.68	H	15.3	24.02
17910.000000	39.86	54.00	14.14	V	17.4	22.46

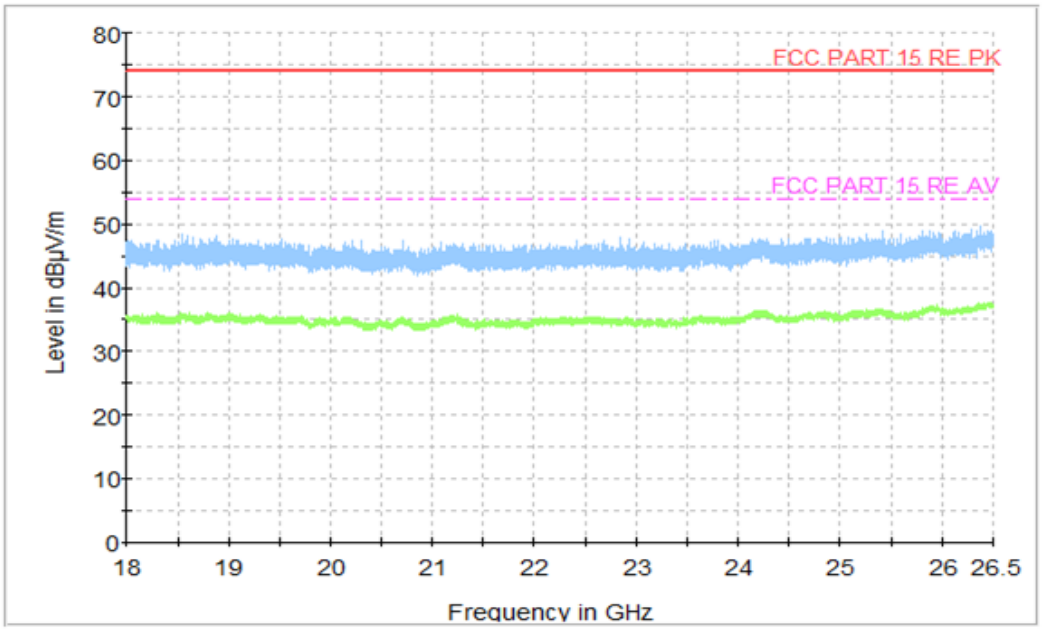


Figure A.1.14. Radiated Emission (Video Player , 18GHz to 26.5GHz)

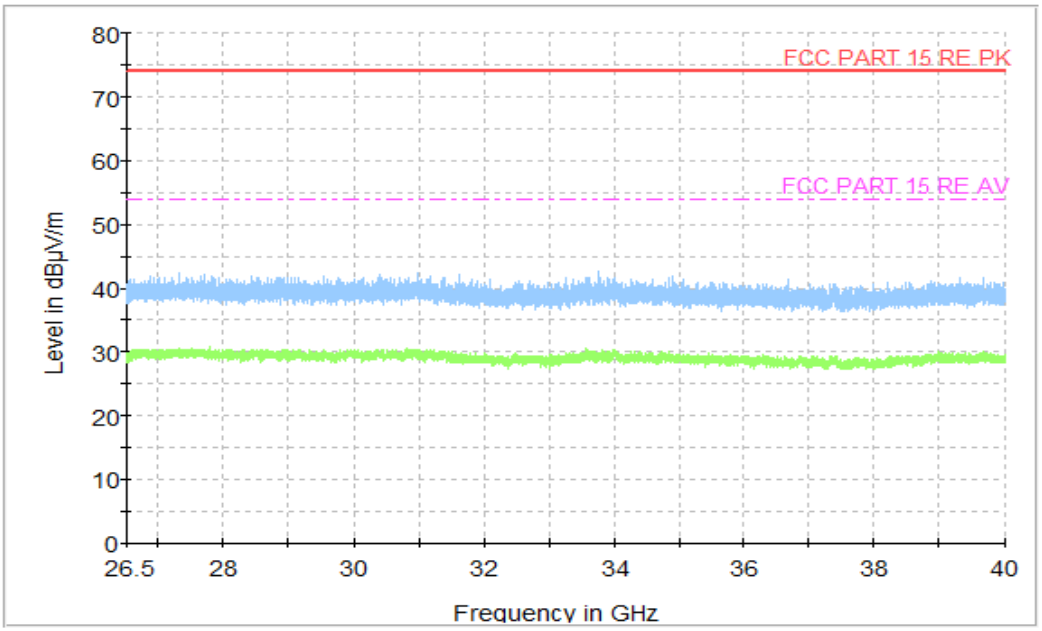


Figure A.1.15. Radiated Emission (Video Player , 26.5GHz to 40GHz)

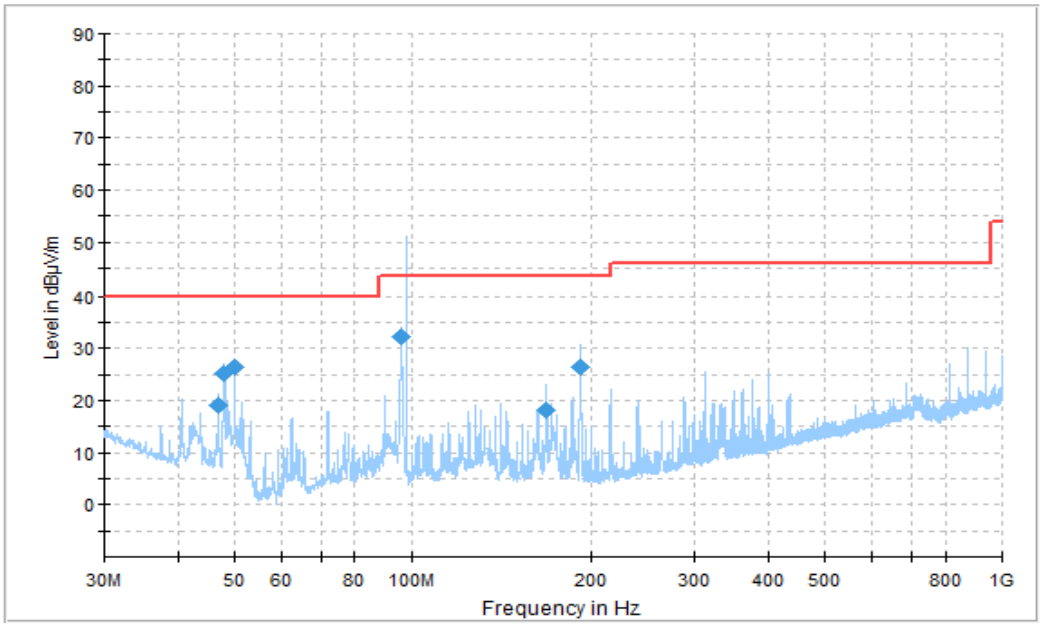


Figure A.1.16. Radiated Emission (FM receiver , 30MHz to 1GHz)

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

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
46.873333	19.00	40.00	21.00	V	-34.3	53.30
48.018889	25.22	40.00	14.78	V	-35.0	60.22
50.012778	26.40	40.00	13.60	V	-36.5	62.90
95.980000	32.18	43.50	11.32	H	-32.5	64.68
167.975556	18.27	43.50	25.23	V	-31.8	50.07
191.996111	26.38	43.50	17.12	V	-33.4	59.78

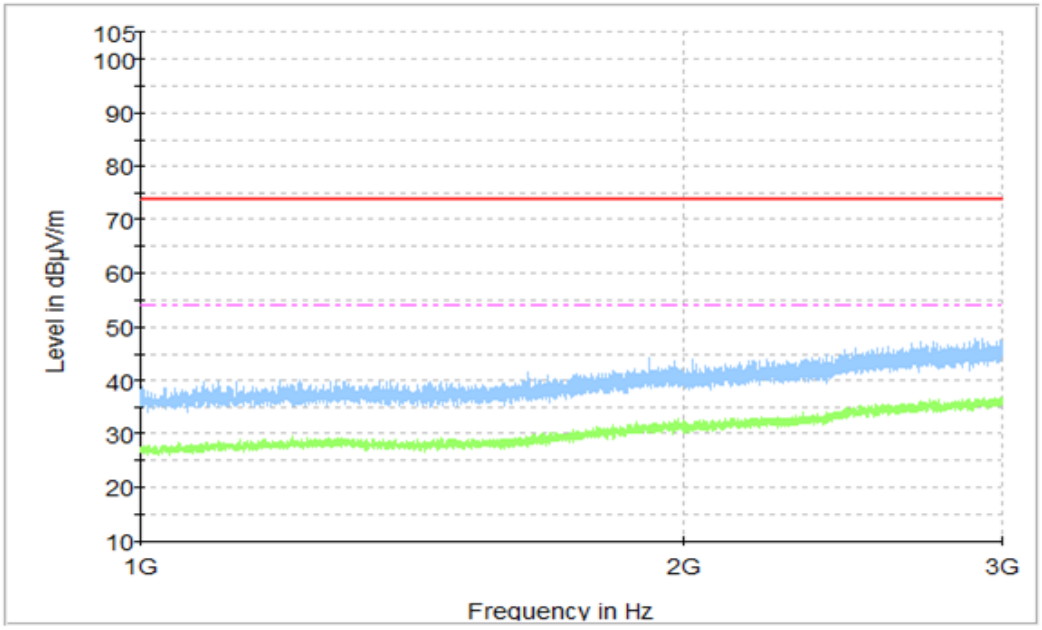


Figure A.1.17. Radiated Emission (FM receiver , 1GHz to 3GHz)

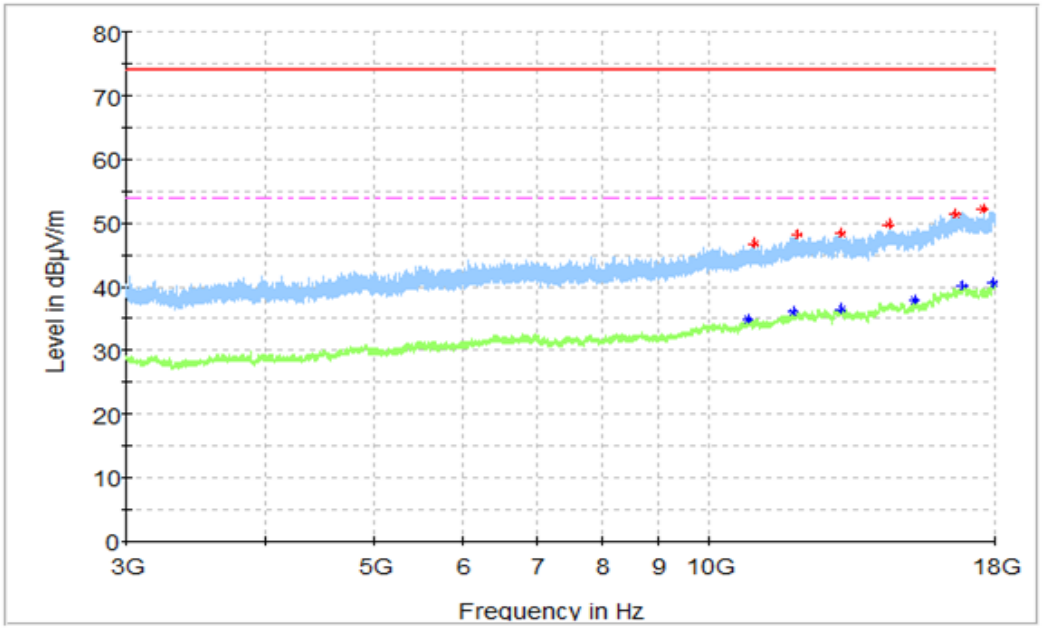


Figure A.1.18. Radiated Emission (FM receiver, 3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
10957.000000	46.85	74.00	27.15	H	6.2	40.65
11992.500000	48.20	74.00	25.80	H	7.9	40.3
13126.500000	48.33	74.00	25.67	H	9.8	38.53
14477.500000	49.79	74.00	24.21	H	11.6	38.19
16600.000000	51.38	74.00	22.62	H	15.3	36.08
17577.000000	52.09	74.00	21.91	H	15.9	36.19

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
10822.500000	34.87	54.00	19.13	H	6.5	28.37
11879.000000	36.12	54.00	17.88	V	7.8	28.32
13097.500000	36.54	54.00	17.46	H	9.8	26.74
15292.000000	37.81	54.00	16.19	H	12.4	25.41
16852.500000	40.01	54.00	13.99	H	16.0	24.01
17946.000000	40.46	54.00	13.54	H	17.3	23.16

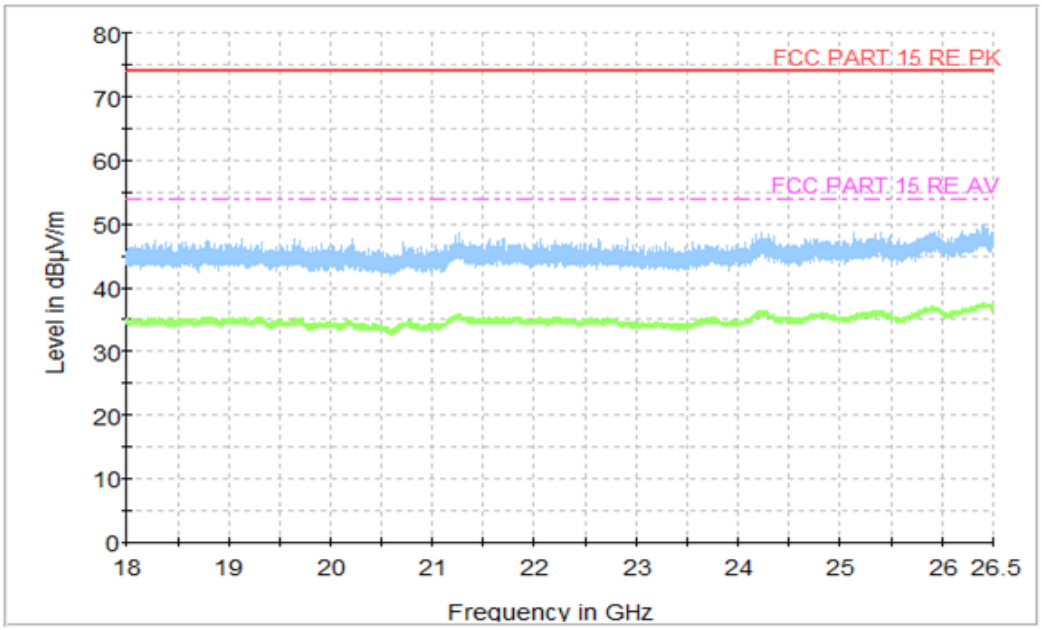


Figure A.1.19. Radiated Emission (FM receiver , 18GHz to 26.5GHz)

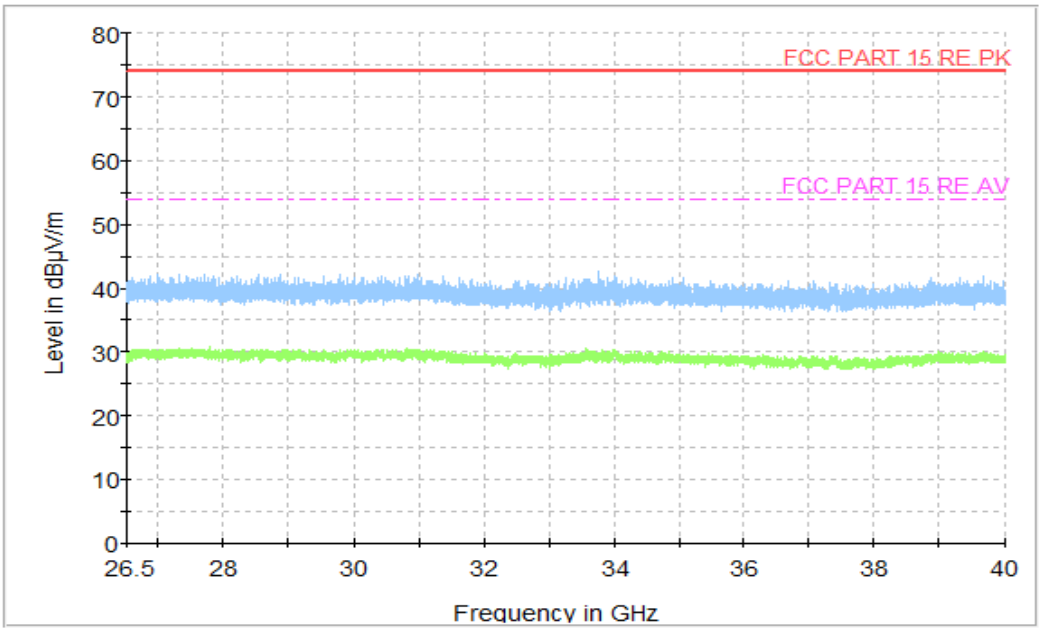


Figure A.1.20. Radiated Emission (FM receiver , 26.5GHz to 40GHz)

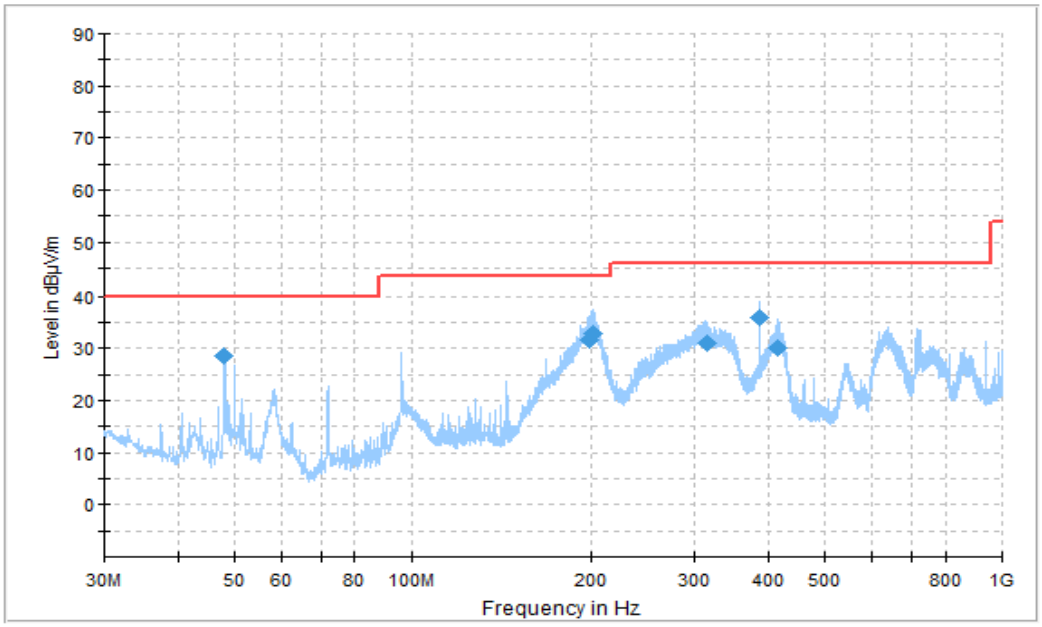


Figure A.1.21. Radiated Emission (Data Transfer: PC TO EUT, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
48.005000	28.52	40.00	11.48	V	-35.0	63.52
198.245556	31.45	43.50	12.05	H	-33.1	64.55
201.451111	32.71	43.50	10.79	H	-33.0	65.71
314.071667	30.93	46.00	15.07	H	-29.0	59.93
387.505000	35.73	46.00	10.27	H	-26.5	62.23
414.649444	29.99	46.00	16.01	H	-25.8	55.79

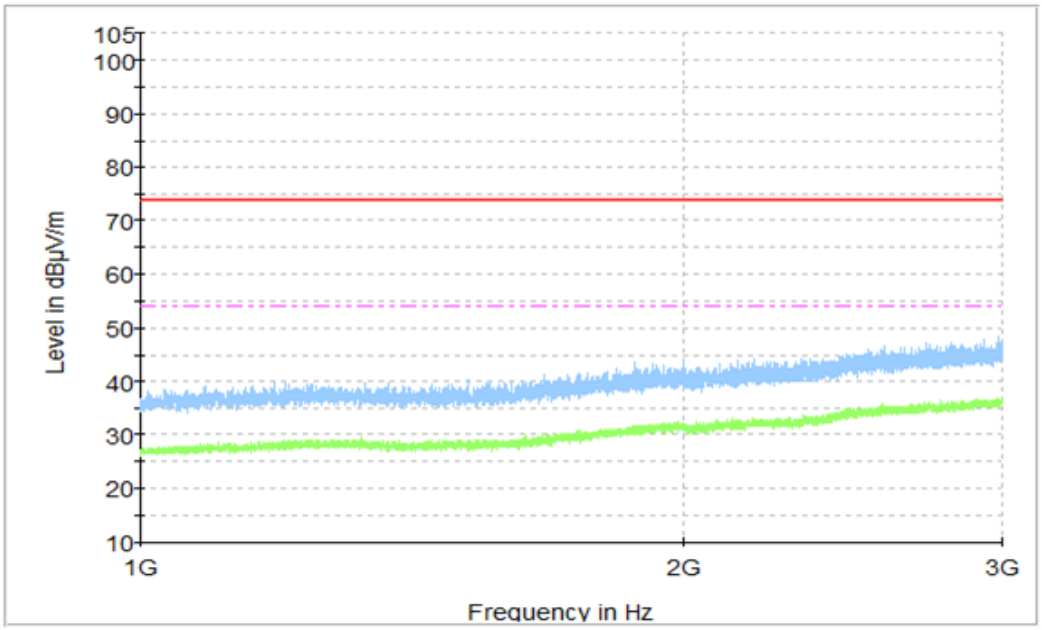


Figure A.1.22. Radiated Emission (Data Transfer: PC TO EUT , 1GHz to 3GHz)

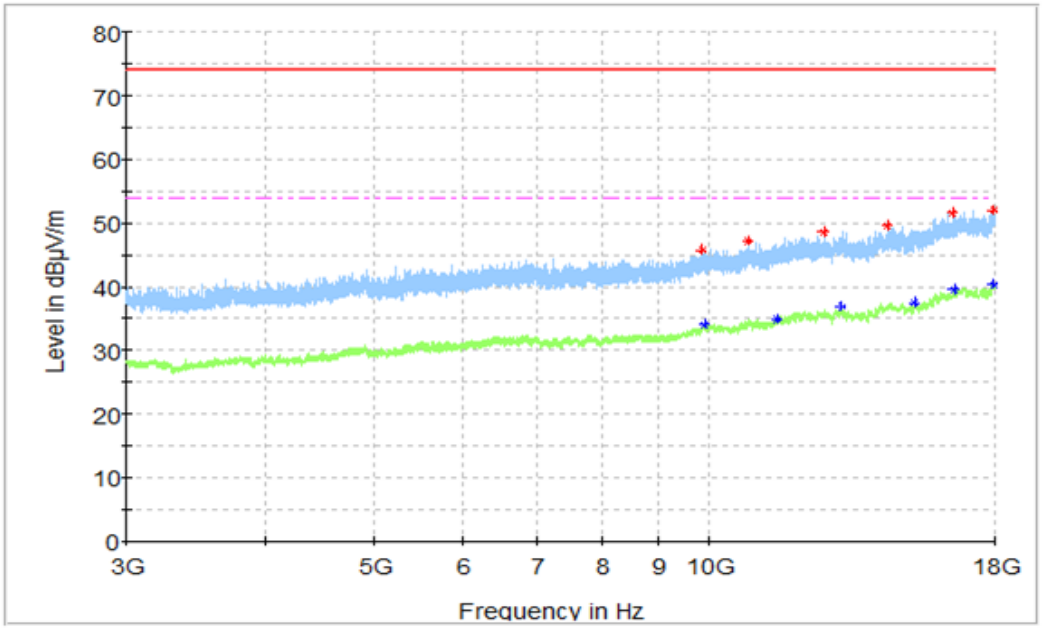


Figure A.1.23. Radiated Emission (Data Transfer: PC TO EUT, 3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
9843.000000	45.80	74.00	28.20	H	5.1	40.70
10822.000000	47.22	74.00	26.78	H	6.5	40.72
12636.000000	48.52	74.00	25.48	H	8.8	39.72
14441.500000	49.54	74.00	24.46	V	11.5	38.04
16518.000000	51.68	74.00	22.32	H	15.3	36.38
17957.000000	51.92	74.00	22.08	H	17.0	34.92

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
9883.000000	33.97	54.00	20.03	H	5.4	28.57
11489.000000	34.91	54.00	19.09	H	7.0	27.91
13097.500000	36.86	54.00	17.14	V	9.8	27.06
15290.000000	37.48	54.00	16.52	H	12.4	25.08
16539.000000	39.54	54.00	14.46	V	15.2	24.34
17944.000000	40.40	54.00	13.60	V	17.3	23.10

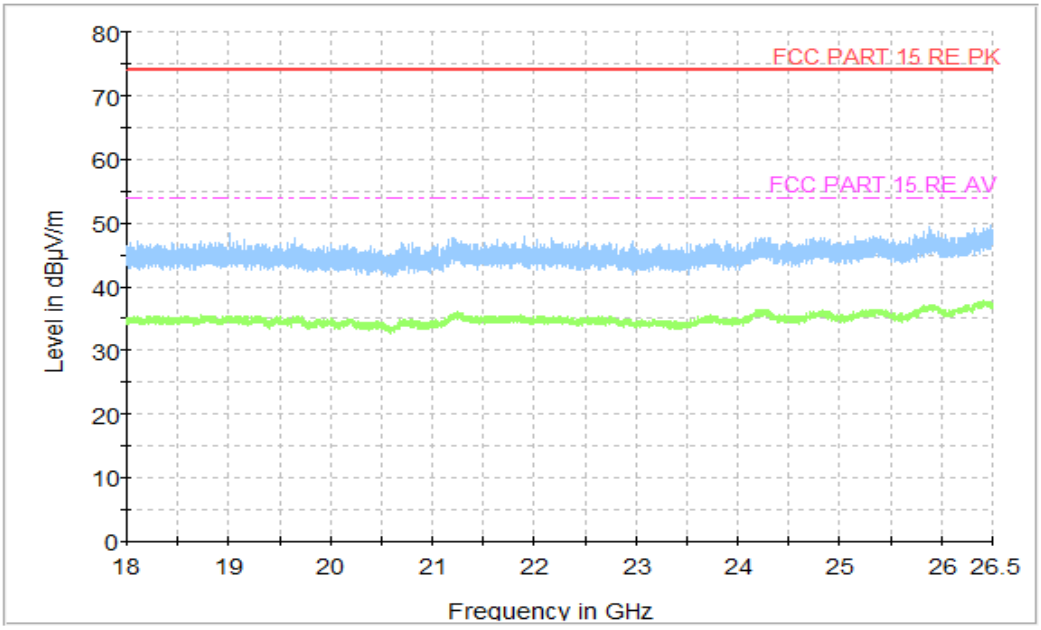


Figure A.1.24. Radiated Emission (Data Transfer: PC TO EUT, 18GHz to 26.5GHz)

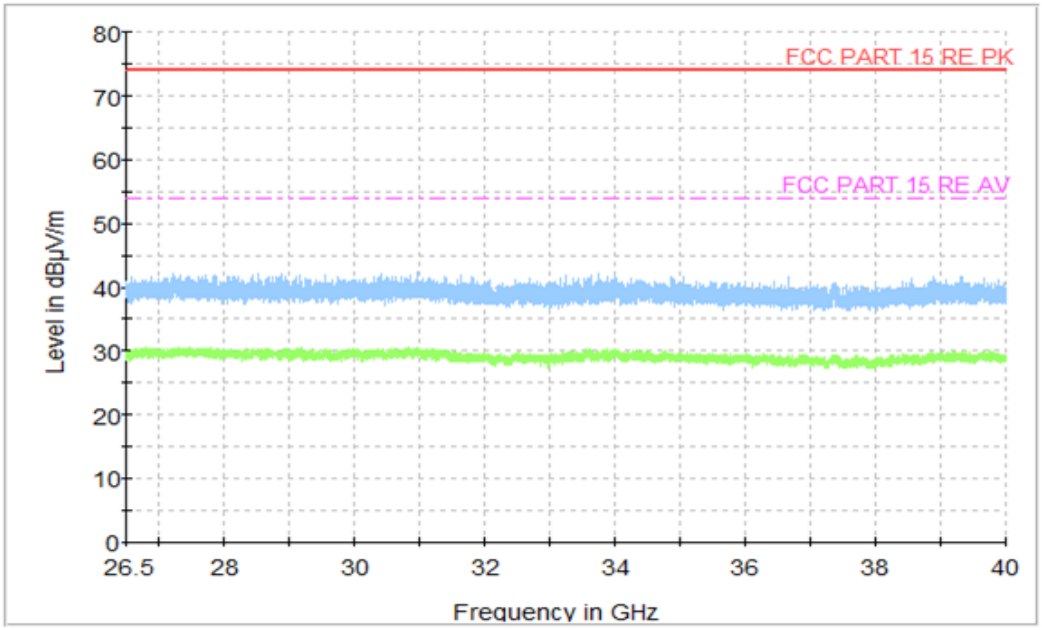


Figure A.1.25. Radiated Emission (Data Transfer: PC TO EUT , 26.5GHz to 40GHz)

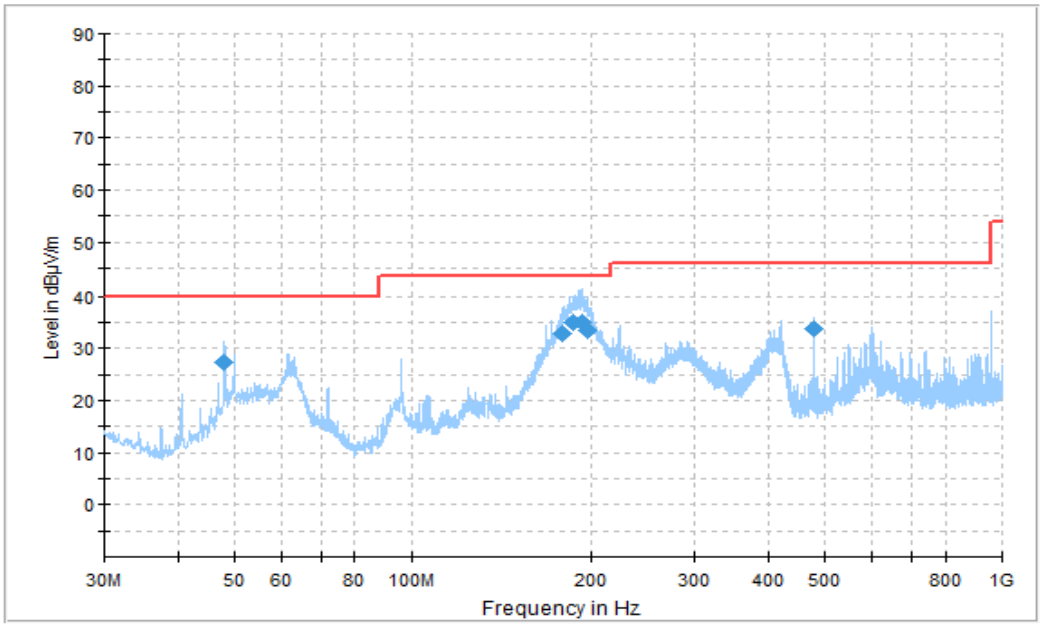


Figure A.1.26. Radiated Emission (Data Transfer: PC TO EUT, 30MHz to 1GHz)

Final_Results

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
47.965000	27.30	40.00	12.70	V	-35.2	62.50
178.473333	32.75	43.50	10.75	H	-32.8	65.55
185.922222	35.00	43.50	8.50	H	-33.8	68.80
193.152222	34.96	43.50	8.54	H	-33.3	68.26
197.626667	33.32	43.50	10.18	H	-33.2	66.52
479.992222	33.64	46.00	12.36	H	-24.0	57.64

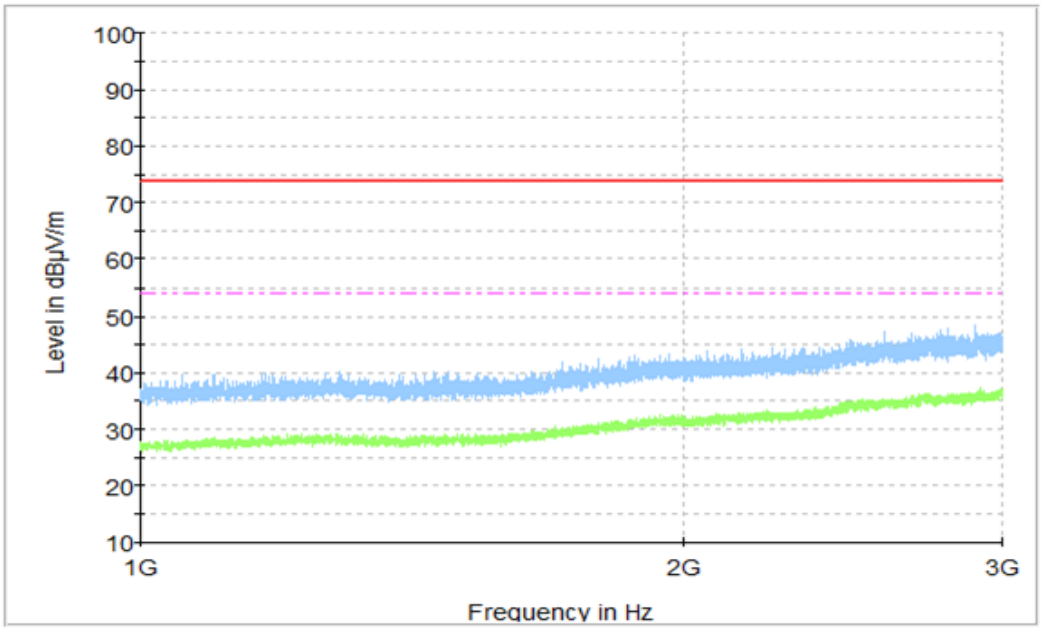


Figure A.1.27. Radiated Emission (Data Transfer: PC TO EUT , 1GHz to 3GHz)

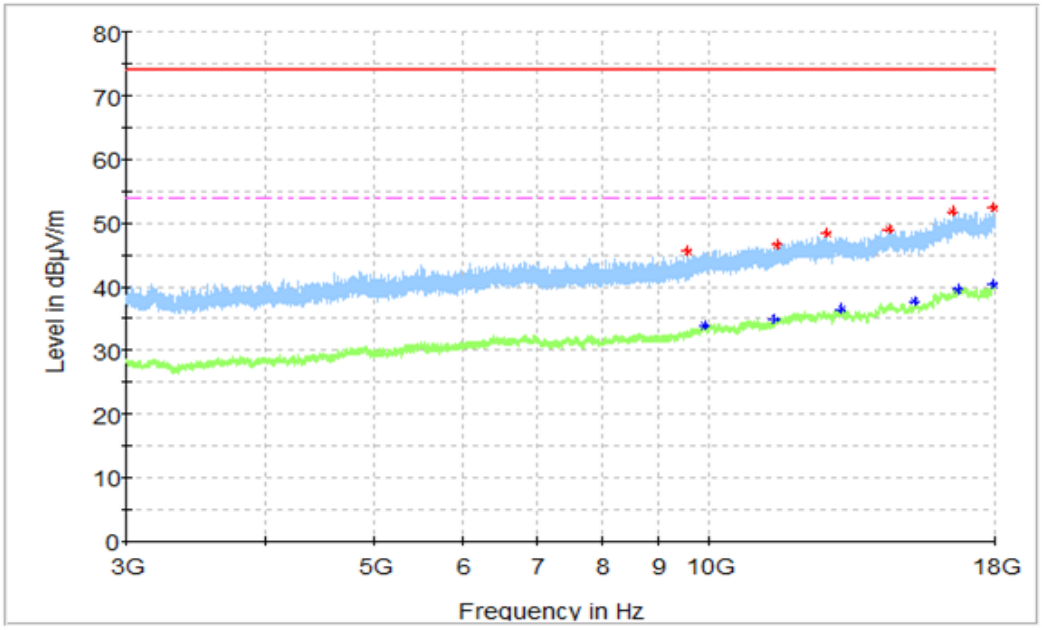


Figure A.1.28. Radiated Emission (Data Transfer: PC TO EUT, 3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
9534.000000	45.48	74.00	28.52	V	4.0	41.48
11484.000000	46.48	74.00	27.52	H	6.8	39.68
12711.000000	48.35	74.00	25.65	H	8.7	39.65
14451.500000	49.06	74.00	24.94	H	11.6	37.46
16518.500000	51.81	74.00	22.19	H	15.3	36.51
17950.000000	52.34	74.00	21.66	V	17.2	35.14

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
9883.000000	33.77	54.00	20.23	H	5.4	28.37
11424.000000	34.80	54.00	19.20	V	6.7	28.1
13115.500000	36.57	54.00	17.43	V	9.4	27.17
15268.500000	37.63	54.00	16.37	V	12.1	25.53
16702.500000	39.60	54.00	14.40	V	15.4	24.2
17944.500000	40.31	54.00	13.69	H	17.3	23.01

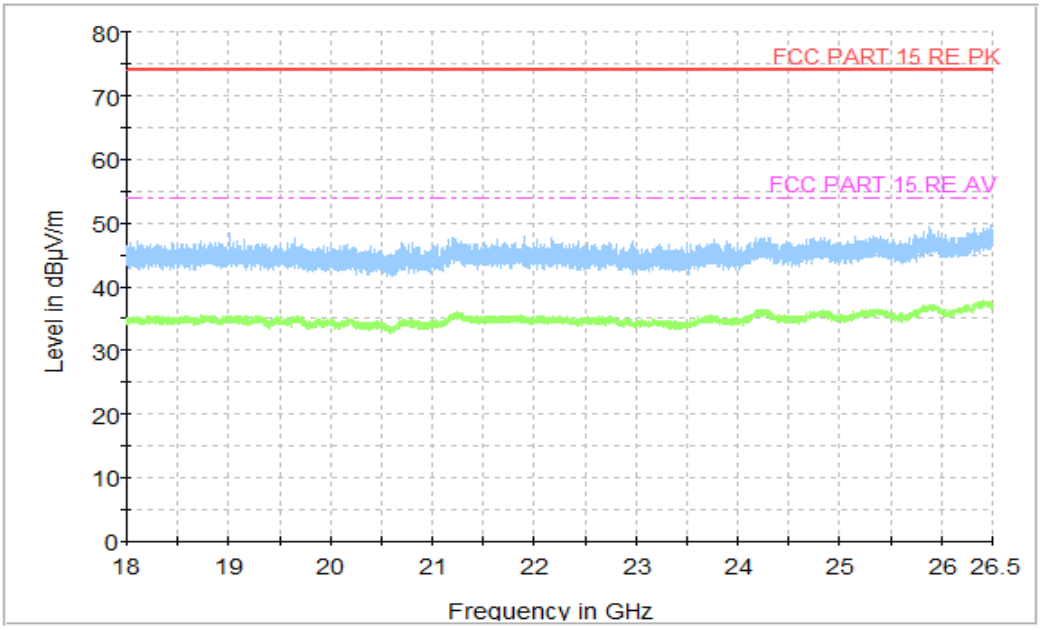


Figure A.1.29. Radiated Emission (Data Transfer: PC TO EUT, 18GHz to 26.5GHz)

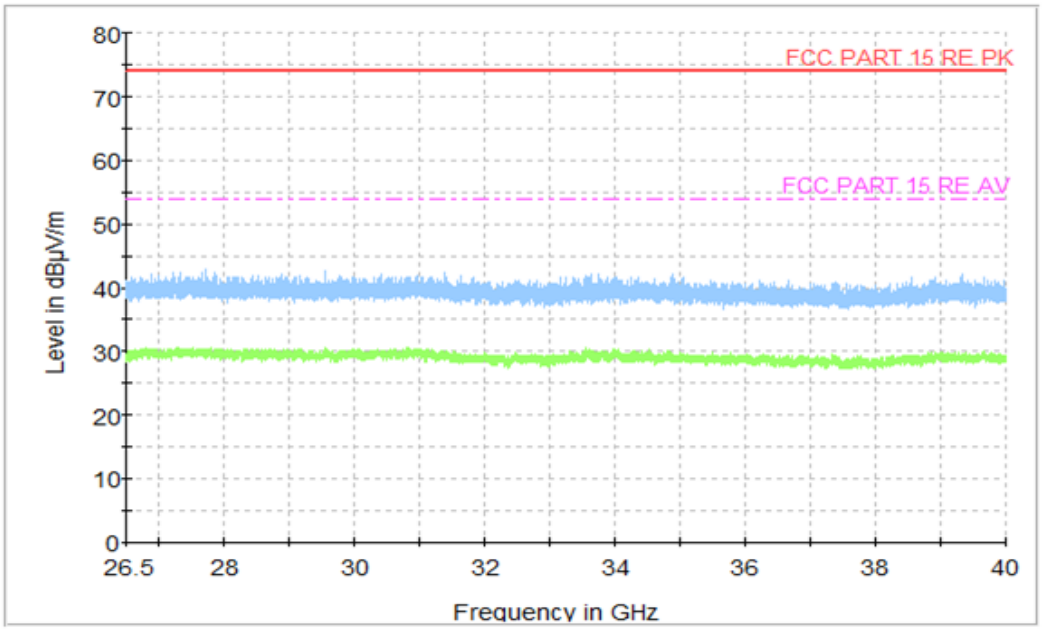


Figure A.1.30. Radiated Emission (Data Transfer: PC TO EUT , 26.5GHz to 40GHz)

A.2 Conducted Emission (§15.107(a))

Reference

FCC: Part 15.107(a)

A.2.1 Method of measurement

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

A.2.2 EUT Operating Mode:

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

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

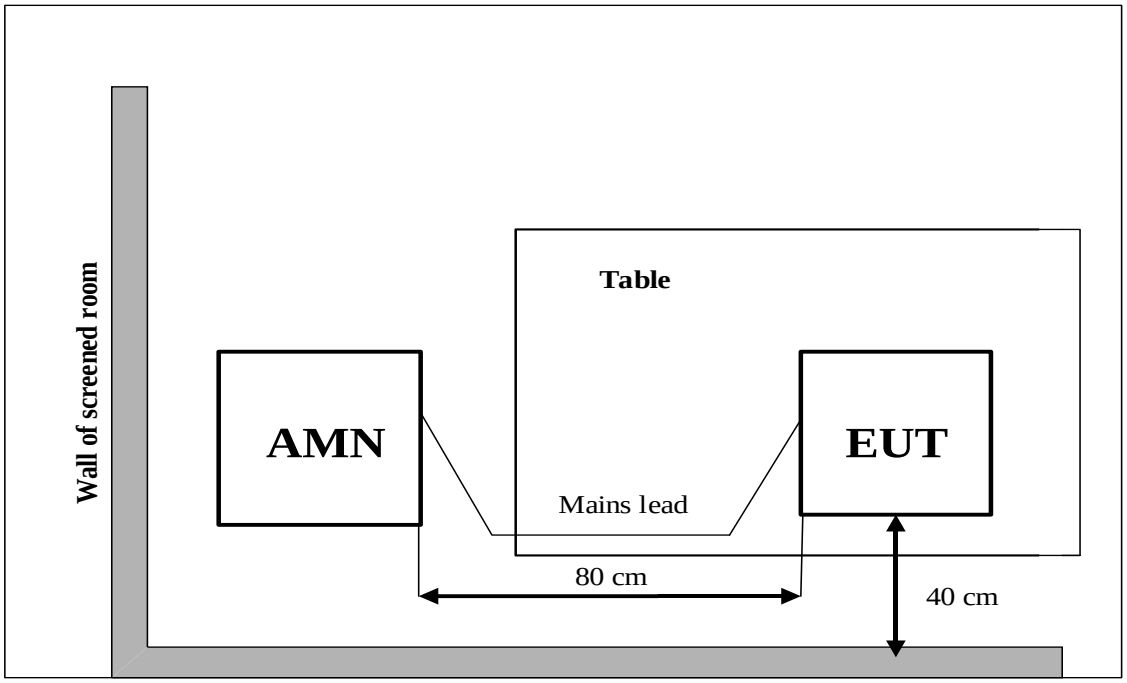
FM receiver: The EUT is connected to a charger for charging. The EUT is synchronized to a FM signal generator. The EUT is keeping on demodulating the FM signal and outputting the audio signal through the headset.

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.2.4Test 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)	Conclusion
			UT01aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.1.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Camera

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT01aa/Set.2	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) UT01aa/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.				

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT01aa/Set.4	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) UT01aa/Set.5	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.				

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT01aa/Set.1	Conclusion
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 (dBμV)	Average Limit (dBμV)	Result (dBμV) UT01aa/Set.2	Conclusion
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) UT01aa/Set.1	Conclusion
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.				

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV) UT01aa/Set.4	Conclusion
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.9.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT01aa/Set.5	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.10.	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

AC Input Port/ Voltage: 120V/60Hz

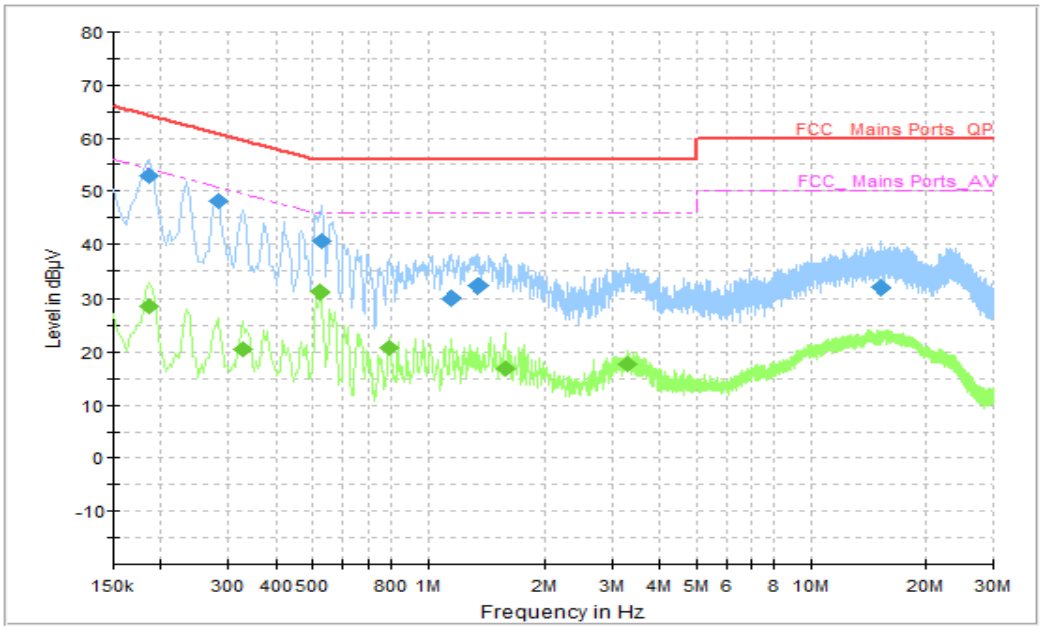


Figure A.2.1. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.186000	52.83	64.21	11.38	N	10	42.83
0.282000	48.13	60.76	12.63	N	10	38.13
0.526000	40.67	56.00	15.33	N	10	30.67
1.150000	29.87	56.00	26.13	N	10	19.87
1.342000	32.30	56.00	23.70	N	10	22.3
15.238000	31.87	60.00	28.13	N	10	21.87

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.186000	28.59	54.21	25.62	N	10	18.59
0.326000	20.55	49.55	29.00	N	10	10.55
0.522000	30.98	46.00	15.02	N	10	20.98
0.790000	20.72	46.00	25.28	N	10	10.72
1.578000	16.81	46.00	29.19	N	10	6.81
3.290000	17.79	46.00	28.21	N	10	7.79

AC Input Port/ Voltage: 120V/60Hz

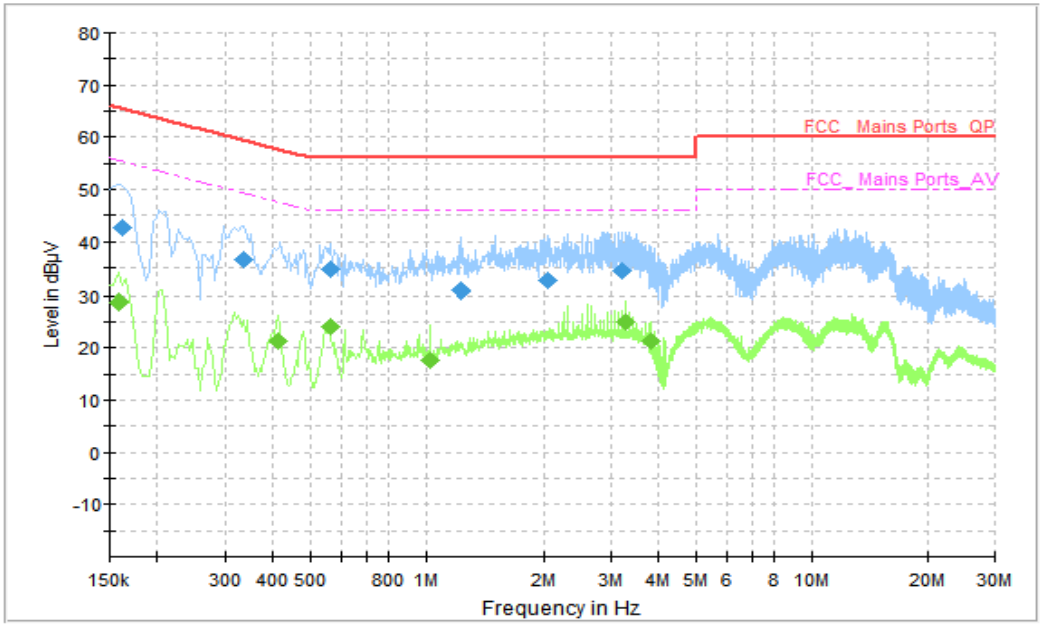


Figure A.2.2. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.162000	42.76	65.36	22.60	L1	10	32.76
0.334000	36.63	59.35	22.72	L1	10	26.63
0.562000	34.79	56.00	21.21	L1	10	24.79
1.238000	30.90	56.00	25.10	L1	10	20.90
2.046000	32.60	56.00	23.40	N	10	22.6
3.210000	34.57	56.00	21.43	N	10	24.57

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.158000	28.59	55.57	26.98	L1	10	18.59
0.410000	21.21	47.65	26.44	N	10	11.21
0.562000	24.14	46.00	21.86	L1	10	14.14
1.026000	17.52	46.00	28.48	N	10	7.52
3.278000	24.82	46.00	21.18	N	10	14.82
3.822000	21.35	46.00	24.65	N	10	11.35

AC Input Port/ Voltage: 120V/60Hz

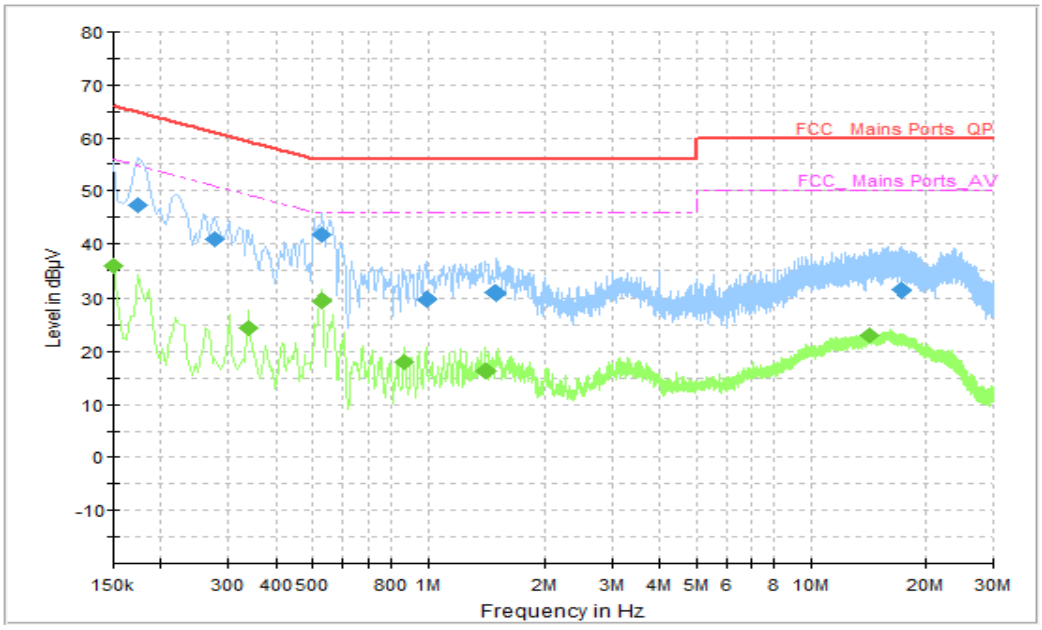


Figure A.2.3. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.174000	47.32	64.77	17.45	L1	10	37.32
0.278000	40.84	60.88	20.04	L1	10	30.84
0.530000	31.84	56.00	24.16	N	10	21.84
0.990000	29.69	56.00	26.31	N	10	19.69
1.494000	30.85	56.00	25.15	N	10	20.85
17.186000	31.27	60.00	28.73	N	10	21.27

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	25.82	56.00	30.18	N	10	15.82
0.338000	24.30	49.25	24.95	N	10	14.3
0.530000	19.35	46.00	26.65	N	10	9.35
0.866000	17.97	46.00	28.03	N	10	7.97
1.414000	16.36	46.00	29.64	N	10	6.36
14.186000	23.09	50.00	26.91	N	10	13.09

AC Input Port/ Voltage: 120V/60Hz

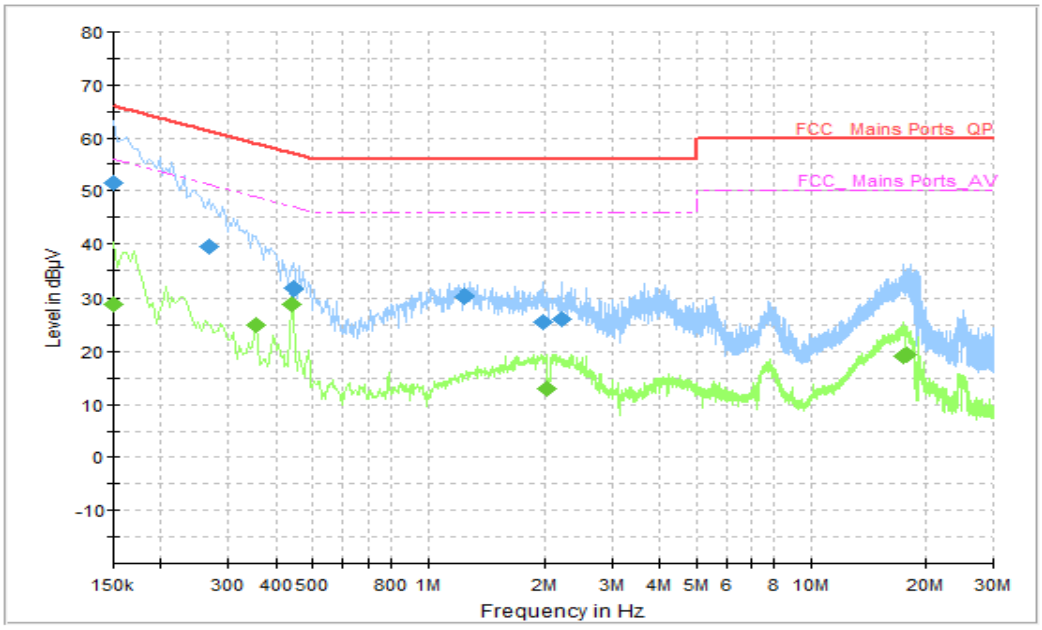


Figure A.2.4. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	51.56	66.00	14.44	N	10	41.56
0.266000	39.44	61.24	21.80	N	10	29.44
0.446000	31.57	56.95	25.38	L1	10	21.57
1.242000	30.37	56.00	25.63	N	10	20.37
1.974000	25.62	56.00	30.38	N	10	15.62
2.222000	25.97	56.00	30.03	N	10	15.97

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	28.97	56.00	27.03	L1	10	18.97
0.354000	24.99	48.87	23.88	N	10	14.99
0.442000	28.90	47.02	18.13	N	10	18.90
2.026000	13.03	46.00	32.97	L1	10	3.03
17.450000	19.24	50.00	30.76	L1	10	9.24
17.886000	19.27	50.00	30.73	L1	10	9.27

AC Input Port/ Voltage: 120V/60Hz

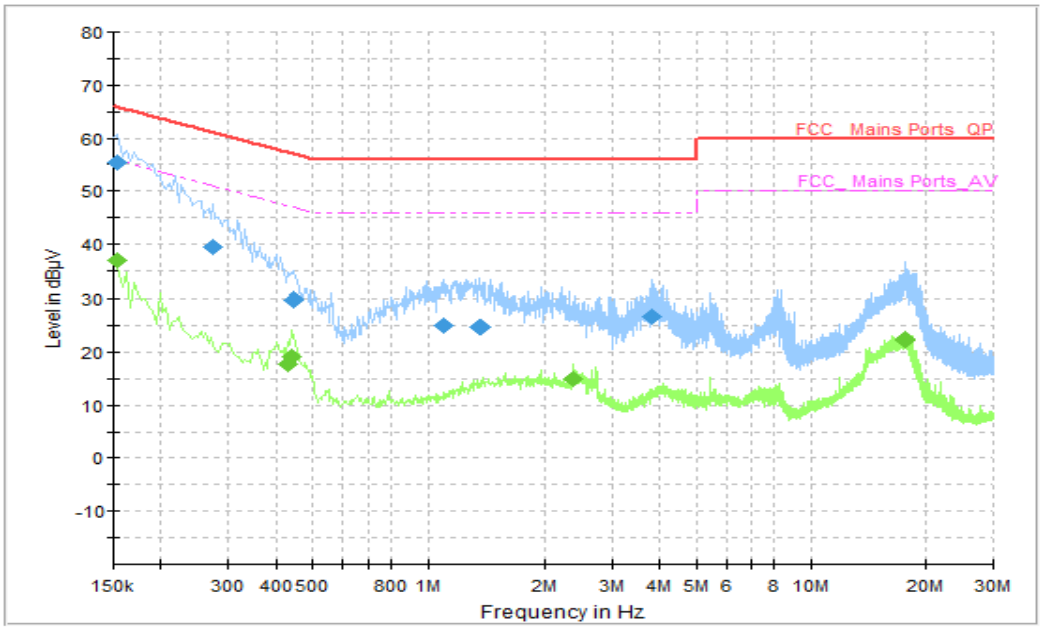


Figure A.2.5. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.154000	55.45	65.78	10.34	N	10	45.45
0.274000	39.61	61.00	21.39	L1	10	29.61
0.446000	29.60	56.95	27.34	L1	10	19.60
1.106000	24.99	56.00	31.01	N	10	14.99
1.358000	24.79	56.00	31.21	N	10	14.79
3.822000	26.77	56.00	29.23	N	10	16.77

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.154000	37.07	55.78	18.71	N	10	27.07
0.430000	17.68	47.25	29.58	N	10	7.68
0.442000	19.10	47.02	27.93	N	10	9.10
2.386000	14.98	46.00	31.02	L1	10	4.98
17.638000	22.31	50.00	27.69	L1	10	12.31
17.698000	22.48	50.00	27.52	L1	10	12.48

AC Input Port/ Voltage: 240V/60Hz

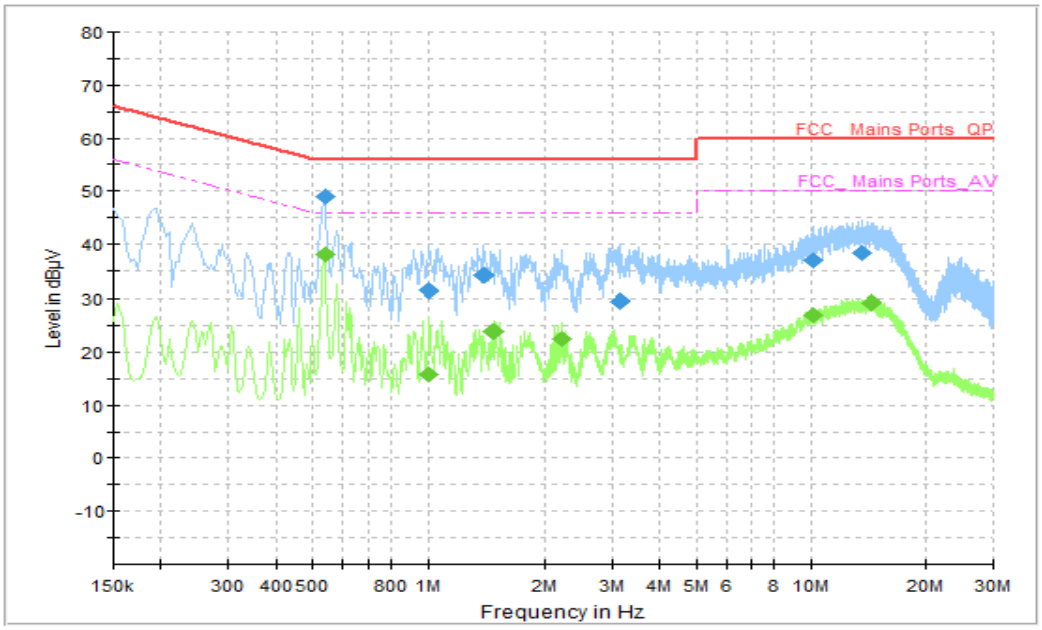


Figure A.2.6. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.538000	49.02	56.00	6.98	N	10	39.02
1.010000	31.30	56.00	24.70	N	10	21.3
1.402000	34.17	56.00	21.83	L1	10	24.17
3.150000	29.47	56.00	26.53	L1	10	19.47
10.094000	36.95	60.00	23.05	N	10	26.95
13.658000	38.31	60.00	21.69	N	10	28.31

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.538000	38.08	46.00	7.92	N	10	28.08
1.006000	15.83	46.00	30.17	N	10	5.83
1.470000	23.81	46.00	22.19	N	10	13.81
2.214000	22.45	46.00	23.55	N	10	12.45
10.082000	26.81	50.00	23.19	N	10	16.81
14.314000	29.24	50.00	20.76	N	10	19.24

AC Input Port/ Voltage: 240V/60Hz

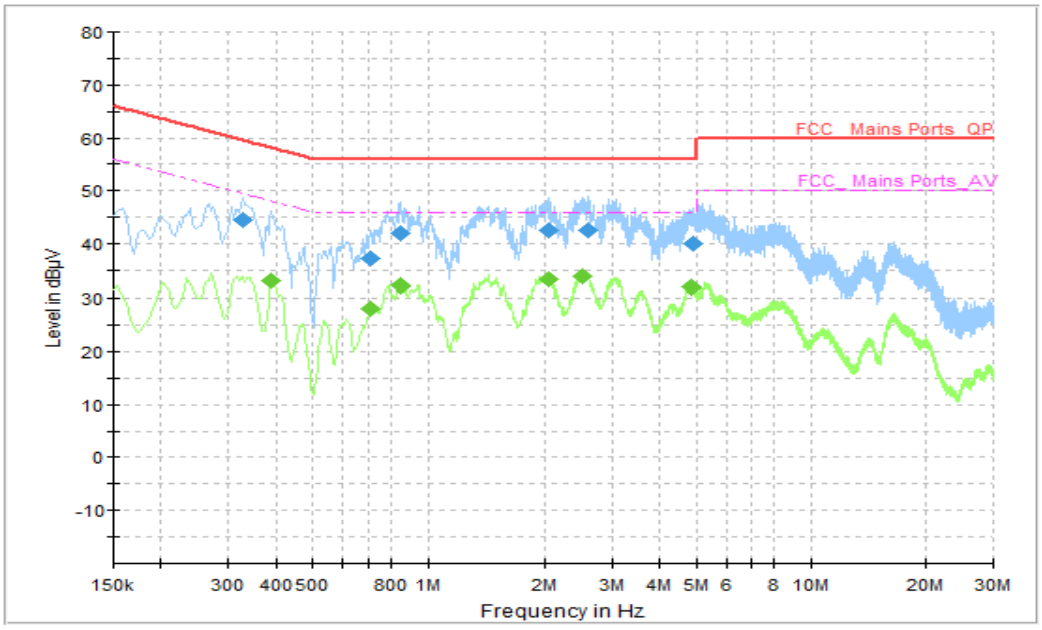


Figure A.2.7. Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.326000	44.43	59.55	15.12	N	10	34.43
0.710000	37.30	56.00	18.70	N	10	27.3
0.846000	42.01	56.00	13.99	N	10	32.01
2.046000	42.46	56.00	13.54	N	10	32.46
2.590000	42.46	56.00	13.54	N	10	32.46
4.926000	40.19	56.00	15.81	N	10	30.19

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.390000	33.18	48.06	14.89	L1	10	23.18
0.706000	27.93	46.00	18.07	L1	10	17.93
0.846000	32.16	46.00	13.84	L1	10	22.16
2.046000	33.28	46.00	12.72	L1	10	23.28
2.526000	33.86	46.00	12.14	N	10	23.86
4.838000	32.04	46.00	13.96	N	10	22.04

AC Input Port/ Voltage: 240V/60Hz

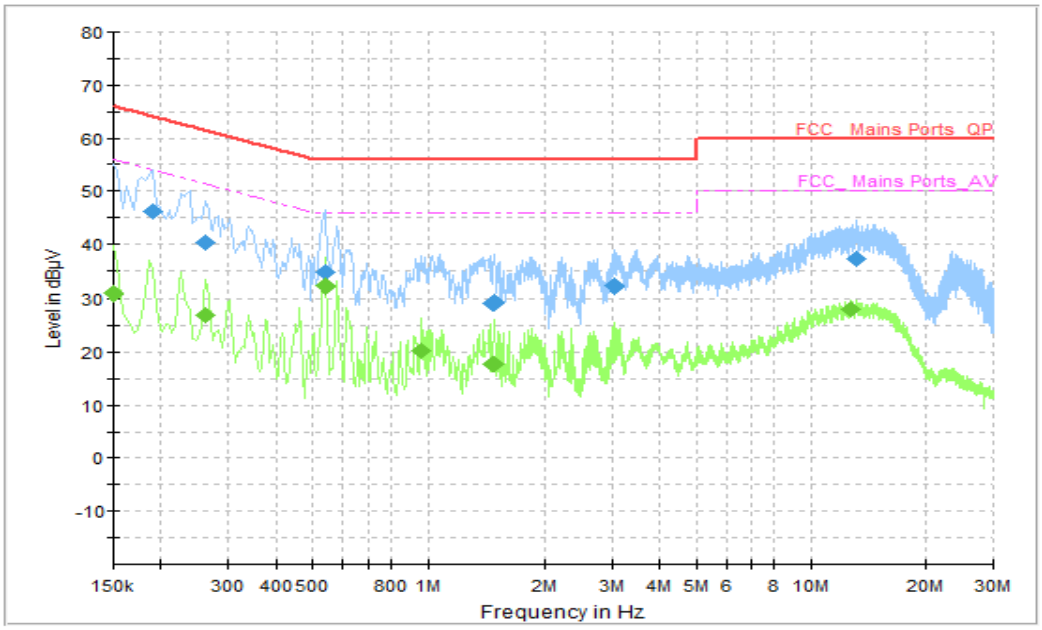


Figure A.2.8. Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.190000	46.23	64.04	17.81	L1	10	36.23
0.262000	40.32	61.37	21.05	N	10	30.32
0.538000	34.63	56.00	21.37	L1	10	24.63
1.474000	29.11	56.00	26.89	N	10	19.11
3.054000	32.19	56.00	23.81	N	10	22.19
13.086000	37.31	60.00	22.69	N	10	27.31

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	30.90	56.00	25.10	N	10	20.90
0.262000	27.00	51.37	24.37	N	10	17
0.538000	32.33	46.00	13.67	N	10	22.33
0.962000	20.20	46.00	25.80	N	10	10.20
1.478000	17.76	46.00	28.24	N	10	7.76
12.702000	28.14	50.00	21.86	N	10	18.14

AC Input Port/ Voltage: 240V/60Hz

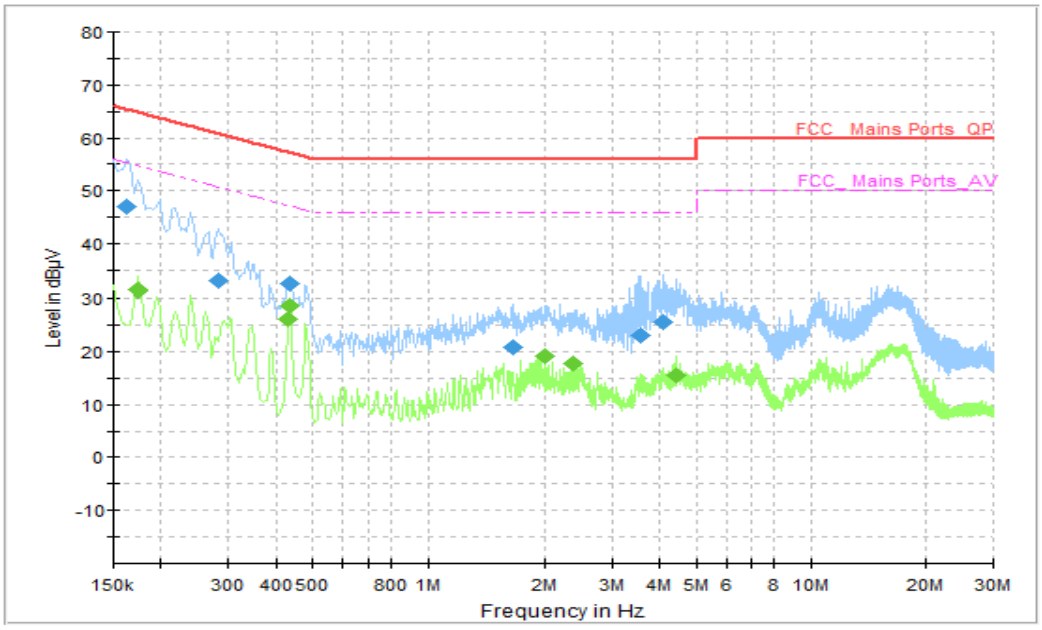


Figure A.2.9. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.162000	46.96	65.36	18.40	N	10	36.96
0.282000	33.18	60.76	27.58	L1	10	23.18
0.434000	32.40	57.18	24.78	N	10	22.40
1.662000	20.73	56.00	35.27	N	10	10.73
3.562000	23.10	56.00	32.90	N	10	13.1
4.086000	25.47	56.00	30.53	L1	10	15.47

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.174000	31.51	54.77	23.26	L1	10	21.51
0.430000	25.99	47.25	21.27	N	10	15.99
0.434000	28.70	47.18	18.48	N	10	18.70
1.998000	19.16	46.00	26.84	L1	10	9.16
2.386000	17.80	46.00	28.20	L1	10	7.8
4.434000	15.57	46.00	30.43	L1	10	5.57

AC Input Port/ Voltage: 240V/60Hz

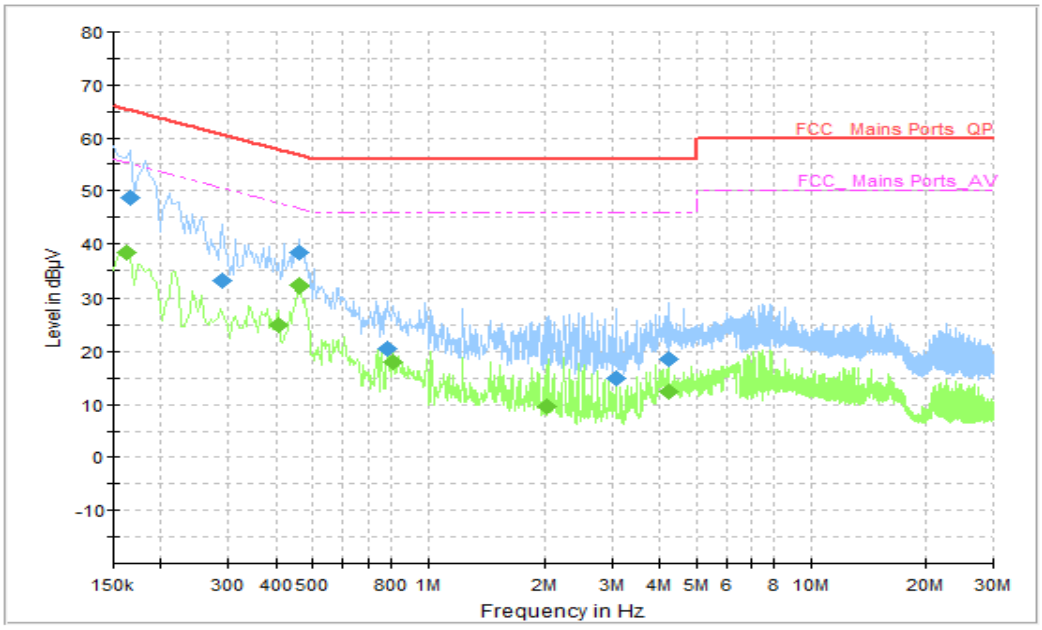


Figure A.2.10. Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.166000	48.58	65.16	16.58	N	10	38.58
0.290000	33.21	60.52	27.32	N	10	23.21
0.458000	38.38	56.73	18.35	L1	10	28.38
0.782000	20.46	56.00	35.54	N	10	10.46
3.074000	14.88	56.00	41.12	L1	10	4.88
4.234000	18.49	56.00	37.51	N	10	8.49

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.162000	38.25	55.36	17.11	L1	10	28.25
0.406000	25.11	47.73	22.62	N	10	15.11
0.462000	32.18	46.66	14.48	L1	10	22.18
0.810000	18.01	46.00	27.99	L1	10	8.01
2.038000	9.49	46.00	36.51	L1	10	-0.51
4.234000	12.49	46.00	33.51	N	10	2.49

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