



TESTREPORT

No.I21N00742-EMC

TCL Communication Ltd.

Tablet PC

Model Name: 9081X

With

Hardware Version: PIO

Software Version:6A62

FCC ID:2ACCJB153

Issued Date: 2021-04-06

Designation Number: CN1210

Note:

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

Test Laboratory:

SAICT, Shenzhen Academy of Information and Communications Technology

Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen,
Guangdong, P. R. China 518000.

Tel:+86(0)755-33322000, Fax:+86(0)755-33322001

Email: yewu@saict.ac.cn.www.saict.ac.cn



REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21N00742-EMC	Rev.0	1st edition	2021-04-06

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



CONTENTS

1. SUMMARY OF TEST REPORT	4
1.1. TEST ITEMS	4
1.2. TEST STANDARDS.....	4
1.3. TEST RESULT	4
1.4. TESTING LOCATION	4
1.5. PROJECT DATA.....	4
1.6. SIGNATURE.....	4
2. CLIENT INFORMATION	5
2.1. APPLICANT INFORMATION	5
2.2. MANUFACTURER INFORMATION	5
3. EQUIPMENT UNDERTEST (EUT) AND ANCILLARY EQUIPMENT (AE)	6
3.1. ABOUT EUT	6
3.2. INTERNAL IDENTIFICATION OF EUT	6
3.3. INTERNAL IDENTIFICATION OF AE	6
3.4. EUT SET-UPS.....	8
3.5. GENERAL DESCRIPTION	9
4. REFERENCE DOCUMENTS.....	10
4.1. REFERENCE DOCUMENTS FOR TESTING	10
5. LABORATORY ENVIRONMENT.....	11
6. SUMMARY OF TEST RESULTS.....	12
6.1. TESTING ENVIRONMENT	12
6.2. SUMMARY OF MEASUREMENT RESULTS.....	12
6.3. STATEMENT	12
7. MEASUREMENT UNCERTAINTY	13
8. TEST FACILITIES UTILIZED	13
9. TEST ACCESSORY UTILIZED	13
ANNEX A: MEASUREMENT RESULTS	14
A.1 RADIATED EMISSION (§15.109(A))	14
A.2 CONDUCTED EMISSION (§15.107(A)).....	49



1. Summary of Test Report

1.1. Test Items

Description	Tablet PC
Model Name	9081X
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

FCC Part 15, Subpart B10-1-2019 Edition; ANSI C63.4 2014

1.3. Test Result

Pass

Total test 2 items, pass 2 items. Please refer to "6.2 Summary of Measurement Results"

1.4. Testing Location

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

1.5. Project data

Testing Start Date: 2021-03-07

Testing End Date: 2021-04-02

1.6. Signature

Liang yong

(Prepared this test report)

Zhang Yunzhan

(Reviewed this test report)

Cao Junfei

(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: Gong Zhizhou
Email: zhizhou.gong@tcl.com
Tel: 0086-755-36611722
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: Gong Zhizhou
Email: zhizhou.gong@tcl.com
Tel: 0086-755-36611722
Fax: 0086-755-36612000-81722



3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	Tablet PC
Model Name	9081X
FCC ID	2ACCJB153
Antenna Type	Internal Antenna
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	6409ACCE7B78297	PIO	6A62	2021-03-09
UT02aa	6409ACCE7B78301	PIO	6A62	2021-03-09

*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
SN	CAC7800000C1
Manufacturer	BYD
Capacity	7800mAh
Nominal Voltage	3.85V
AE1-2	
Model	TLp078AA
SN	CAC7800002CA
Manufacturer	TMD
Capacity	7800mAh
Nominal Voltage	3.85V
AE2-1	
Model	QC13EU/ CBA0064BGTC1
Manufacturer	BYD
AE2-2	



Model	QC13UK/ CBA0064BGTC5
Manufacturer	PUAN
AE3-1	
Model	CDA0000128C2
Manufacturer	SHENGHUA
AE3-2	
Model	CDA0000123C1
Manufacturer	JUWEI
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.

Set.1
Set.2
Set.3
Set.4
Set.5

Combination of EUT and AE

EUT+AE1-1+AE2-1+AE3-1
EUT+AE1-1+AE2-2+AE3-2
EUT+AE1-1+AE3-1+PC
EUT+AE1-1+AE3-2+PC
EUT+AE1-1+AE4



3.5. General Description

The Equipment Under Test (EUT) is a model of Tablet PC with Bluetooth, WLAN with internal antenna.

It has Camera, Video Player, FM Receiver, USB Data Transfer, Bluetooth and Wi-Fi functions.

It consists of normal options: Battery, Charger and USB Cable and Headset, USB cable and headset share port.

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	10-1-2019 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 rules	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	4.84dB(k=2)
	1GHz-18GHz	4.68dB(k=2)
	18GHz-40GHz	3.76dB(k=2)
Conducted Emission	150kHz-30MHz	3.00dB(k=2)

8. Test Facilities Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CAL.DUE DATE	CAL. PERIOD
1.	Test Receiver	ESR7	101676	R&S	2021.11.25	1 year
2.	Test Receiver	ESCI	100701	R&S	2021.08.09	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2022.01.13	1 year
4.	BiLog Antenna	3142E	0224831	ETS-Lindgren	2021.05.17	3 years
5.	LISN	ENV216	102067	R&S	2021.07.16	1 year
6.	Horn Antenna	3117	00066577	ETS-Lindgren	2022.04.02	3 years
7.	Horn Antenna	QSH-SL-18-26 -S-20	17013	Q-par	2023.01.06	3 years
8.	Horn Antenna	QSH-SL-8-26- 40-K-20	17014	Q-par	2023.01.06	3 years
9.	Universal Radio Communication Tester	CMU200	114545	R&S	2022.01.13	1 year
10.	Universal Radio Communication Tester	CMW500	152499	R&S	2021.07.16	1 year
11.	Signal Generator	SMB100A	179725	R&S	2021.11.25	1 year
12.	Chamber	FACT3-2.0	1285	ETS-Lindgren	2021.07.19	2 years
13.	Software	EMC32	V10.50.40	R&S	/	/

Note: CAL.: Calibration

9. Test Accessory Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CAL.DUE DATE	CAL. PERIOD
1.	PC	ThinkPad T480	PF-13LW0C	Lenovo	/	/
2.	Printer	P1008	VNF6C12491	HP	/	/
3.	Mouse	MOEUJUA	44NY517	Lenovo	/	/

Note: CAL.: Calibration



ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission (§15.109(a))

Reference

FCC: CFR Part 15.109(a)

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator (Data transfer mode of EUT and charging mode of EUT) at a distance of 3 meters 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. The measurement antenna was placed at a distance of 3 meters from the EUT. 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:

FM receiver: The EUT is connected to a charger for charging and open FM function. 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.

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

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

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

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 CFR Part 15.109(a)

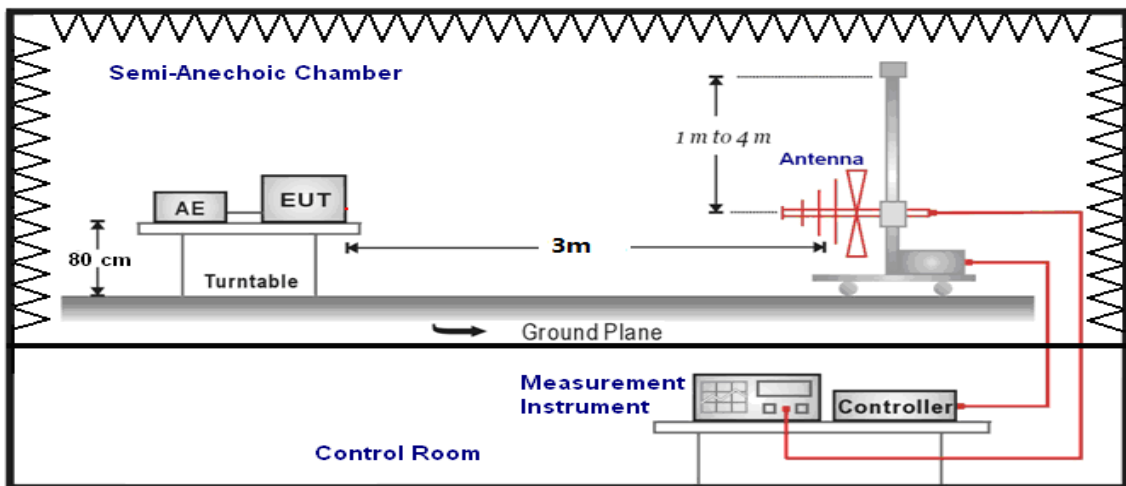
Frequency range (MHz)	Field strength limit ($\mu\text{V}/\text{m}$)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

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

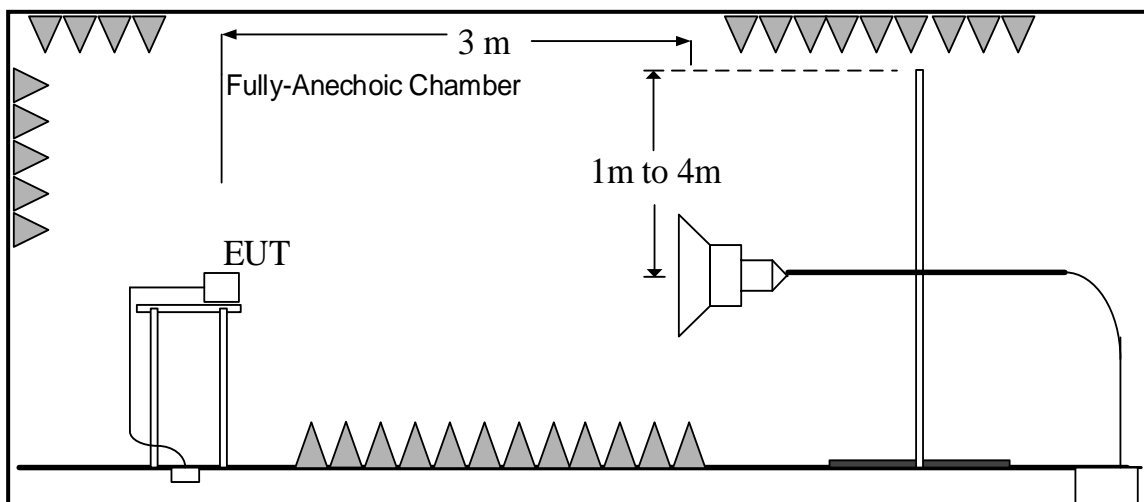
A.1.4 Test Condition

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-30GHz



A.1.6 Measurement Results

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

The measurement results are obtained as described below:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

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

Note: the result contains vertical part and Horizontal part

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.5	
30-88	40.00	See Fugure A.1.1.	P
88-216	43.50		
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
			UT02aa/Set.5	
1000 to 18000	54	74	See Fugure A.1.2.	P
18000 to 26500			See Fugure A.1.3.	P
26500 to 30000			See Fugure A.1.4.	P

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.1	
30-88	40.00	See Fugure A.1.5.	P
88-216	43.50		
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
			UT02aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.6.	P
18000 to 26500			See Fugure A.1.7.	P
26500 to 30000			See Fugure A.1.8.	P



Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.1	
30-88	40.00	See Fugure A.1.9.	P
88-216	43.50		
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
			UT02aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.10.	P
18000 to 26500			See Fugure A.1.11.	P
26500 to 30000			See Fugure A.1.12.	P

Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.2	
30-88	40.00	See Fugure A.1.13.	P
88-216	43.50		
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
			UT02aa/Set.2	
1000 to 18000	54	74	See Fugure A.1.14.	P
18000 to 26500			See Fugure A.1.15.	P
26500 to 30000			See Fugure A.1.16.	P

Data Transfer: EUT to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.3	
30-88	40.00	See Fugure A.1.17.	P
88-216	43.50		
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
			UT02aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.18.	P
18000 to 26500			See Fugure A.1.19.	P
26500 to 30000			See Fugure A.1.20.	P

Data Transfer: PC to EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.3	
30-88	40.00	See Fugure A.1.21.	P
88-216	43.50		
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
			UT02aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.22.	P
18000 to 26500			See Fugure A.1.23.	P
26500 to 30000			See Fugure A.1.24.	P



Data Transfer: PC to TF Card

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.3	
30-88	40.00	See Fugure A.1.25.	P
88-216	43.50		
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
			UT02aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.26.	P
18000 to 26500			See Fugure A.1.27.	P
26500 to 30000			See Fugure A.1.28.	P

Data Transfer: TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.3	
30-88	40.00	See Fugure A.1.29.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

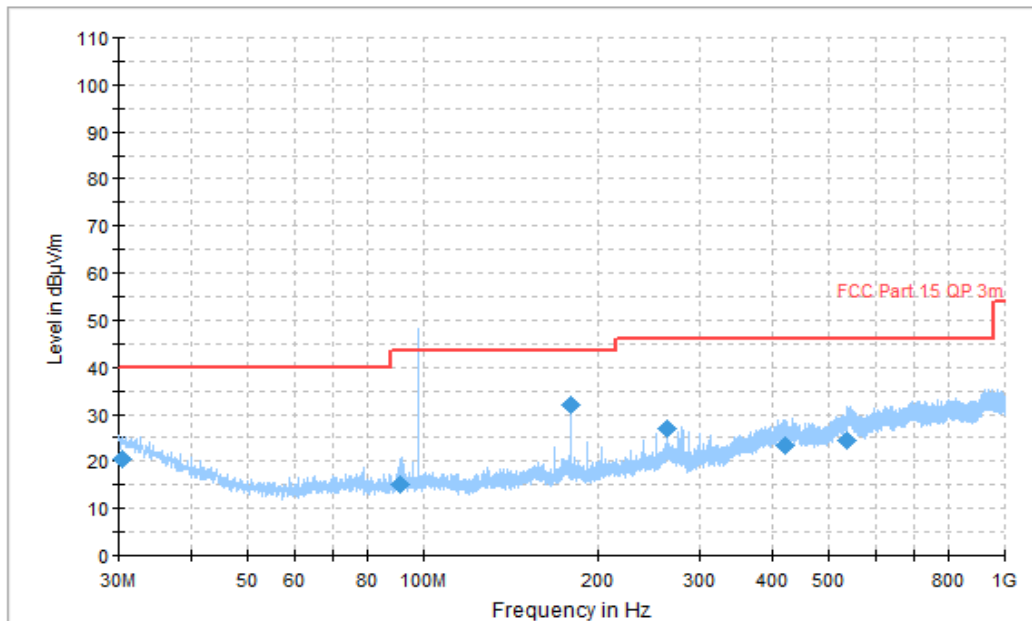
Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT02aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.30.	P
18000 to 26500			See Fugure A.1.31.	P
26500 to 30000			See Fugure A.1.32.	P



Data Transfer: PC to TF

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT02aa/Set.4	
30-88	40.00	See Fugure A.1.33.	P
88-216	43.50		
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
			UT02aa/Set.4	
1000 to 18000	54	74	See Fugure A.1.34.	P
18000 to 26500			See Fugure A.1.35.	P
26500 to 30000			See Fugure A.1.36.	P



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

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

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.328333	20.60	40.00	19.40	H	-6.4	27.00
91.306667	15.06	43.50	28.44	H	-15.0	30.06
180.002778	31.96	43.50	11.54	V	-11.9	43.86
263.985556	27.07	46.00	18.93	V	-7.8	34.87
419.257778	23.29	46.00	22.71	V	-3.7	26.99
536.531667	24.27	46.00	21.73	H	-0.6	24.87

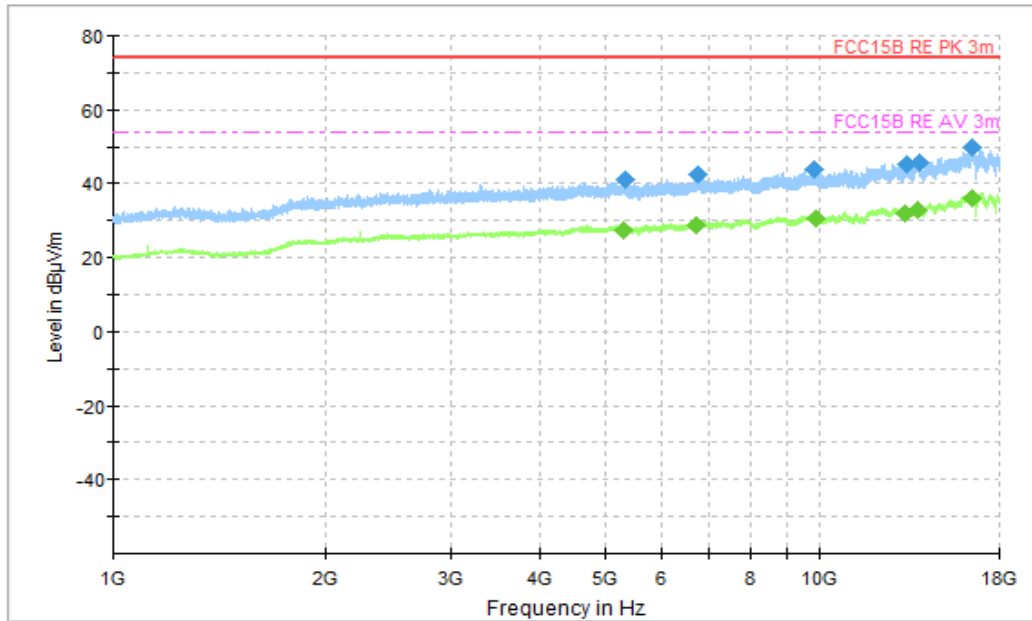


Figure A.1.2. Radiated Emission (FM receiver,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5320.000000	41.24	74.00	32.76	H	1.6	39.64
6754.500000	42.65	74.00	31.35	V	3.5	39.15
9859.500000	44.08	74.00	29.92	V	6.4	37.68
13288.500000	45.20	74.00	28.80	H	8.3	36.90
13894.000000	45.78	74.00	28.22	H	9.1	36.68
16462.500000	49.60	74.00	24.40	H	14.7	34.90

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5281.500000	27.46	54.00	26.54	H	1.6	25.86
6706.000000	28.58	54.00	25.42	V	3.5	25.08
9897.500000	30.37	54.00	23.63	H	6.4	23.97
13272.000000	31.78	54.00	22.22	V	8.2	23.58
13813.500000	32.92	54.00	21.08	V	9.0	23.92
16462.000000	36.04	54.00	17.96	V	14.7	21.34

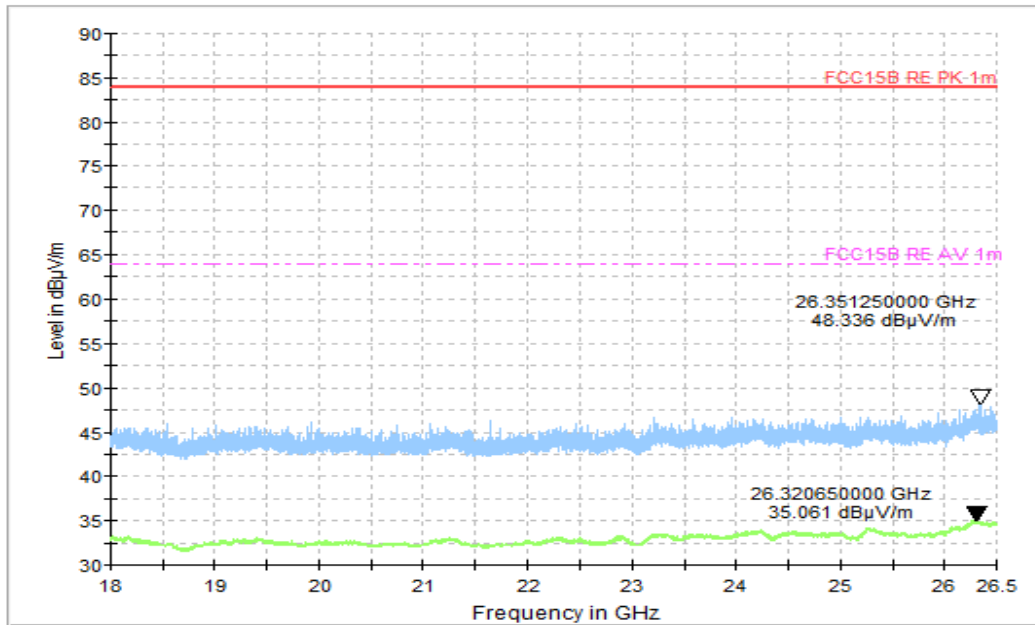


Figure A.1.3. Radiated Emission (FM receiver ,18GHz to 26.5GHz)

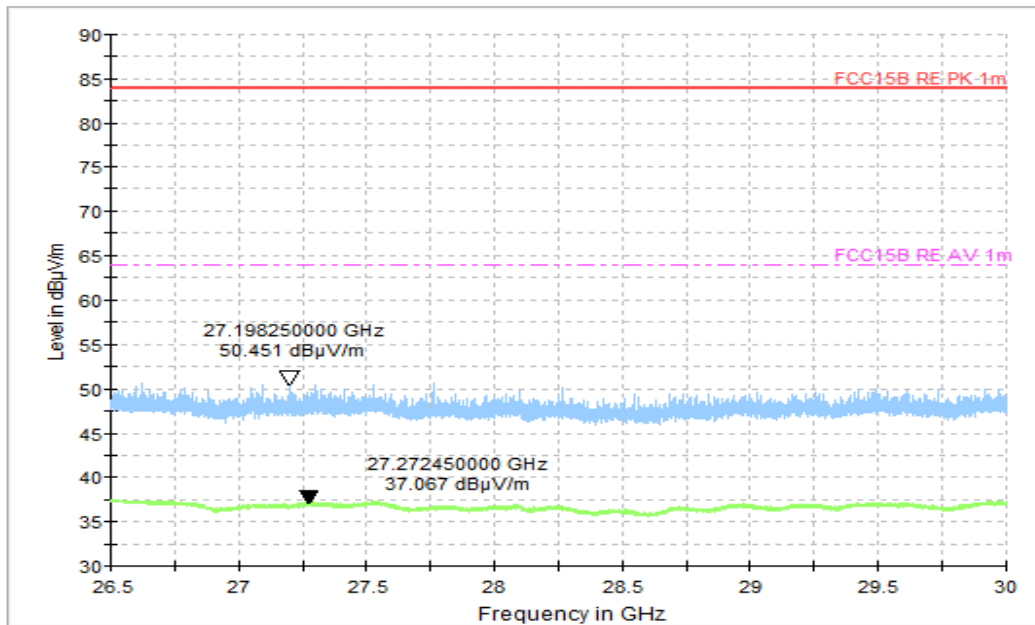


Figure A.1.4. Radiated Emission (FM receiver, 26.5GHz to 30GHz)

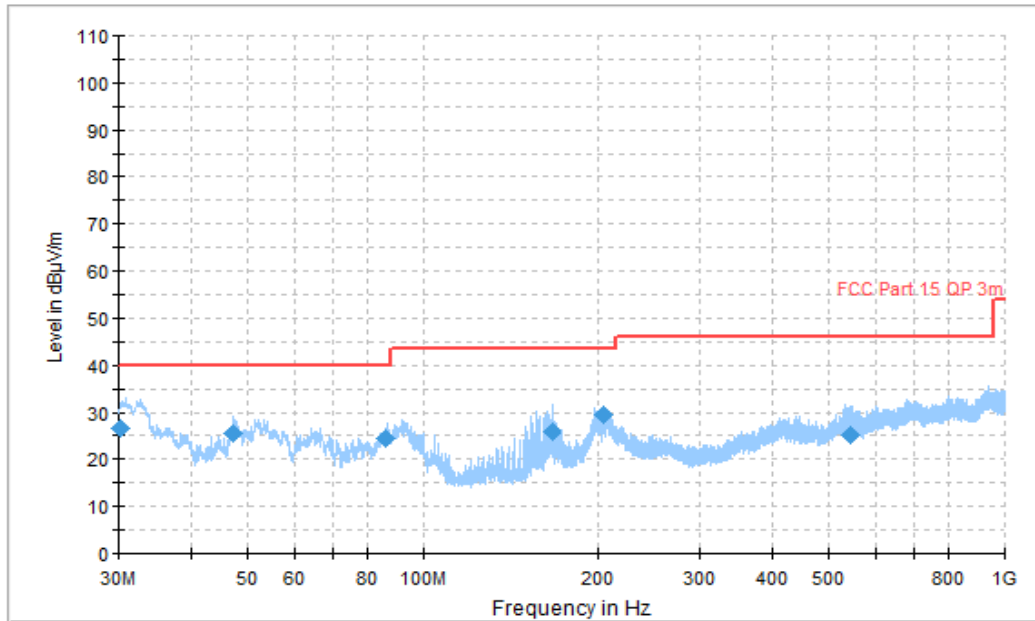


Figure A.1.5. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.292222	26.51	40.00	13.49	H	-6.3	32.81
47.100556	25.67	40.00	14.33	H	-14.8	40.47
86.091111	24.61	40.00	15.39	H	-15.3	39.91
166.051111	25.72	43.50	17.78	H	-13.3	39.02
205.143889	29.55	43.50	13.95	V	-11.4	40.95
544.650556	25.25	46.00	20.75	H	-0.1	25.35

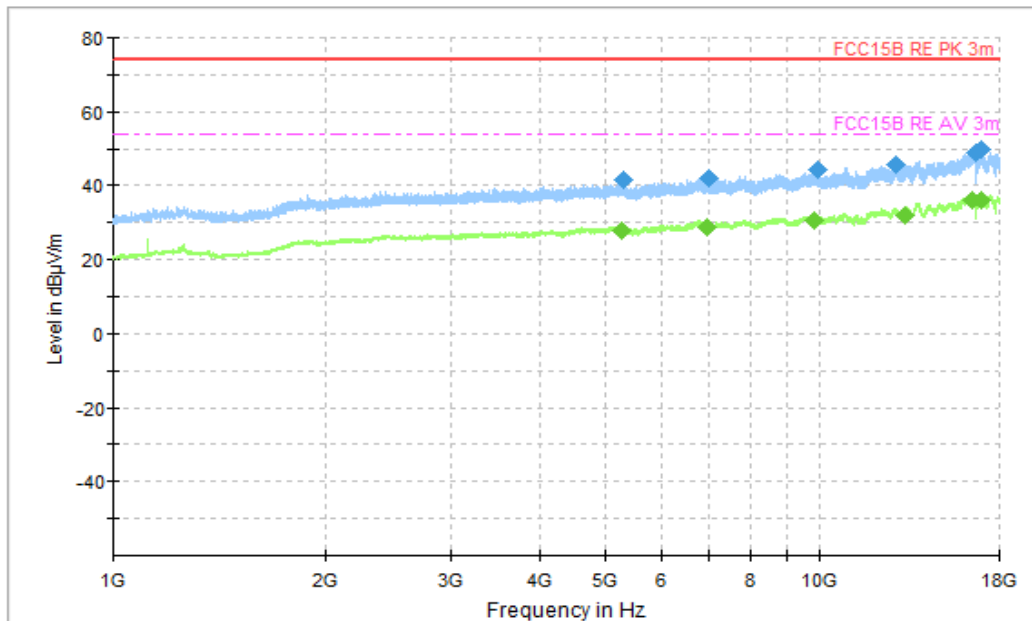


Figure A.1.6. Radiated Emission (Video Player,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5285.500000	41.54	74.00	32.46	V	1.6	39.94
6978.000000	42.22	74.00	31.78	H	3.5	38.72
9973.000000	44.23	74.00	29.77	H	6.3	37.93
12876.500000	45.55	74.00	28.45	V	8.7	36.85
16648.500000	48.74	74.00	25.26	H	14.8	33.94
16991.000000	49.60	74.00	24.40	H	14.8	34.80

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5276.500000	27.68	54.00	26.32	V	1.5	26.18
6961.000000	28.55	54.00	25.45	V	3.5	25.05
9822.000000	30.57	54.00	23.43	V	6.4	24.17
13272.000000	32.06	54.00	21.94	V	8.2	23.86
16481.000000	36.23	54.00	17.77	H	14.7	21.53
17004.500000	36.27	54.00	17.73	H	14.8	21.47

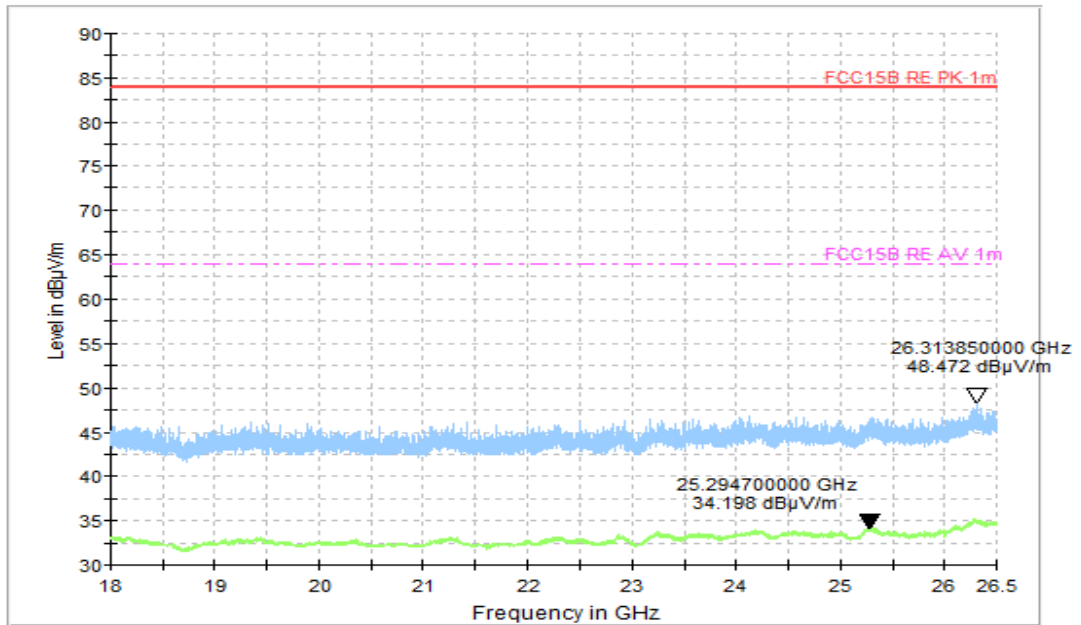


Figure A.1.7. Radiated Emission (Video Player,18GHz to 26.5GHz)

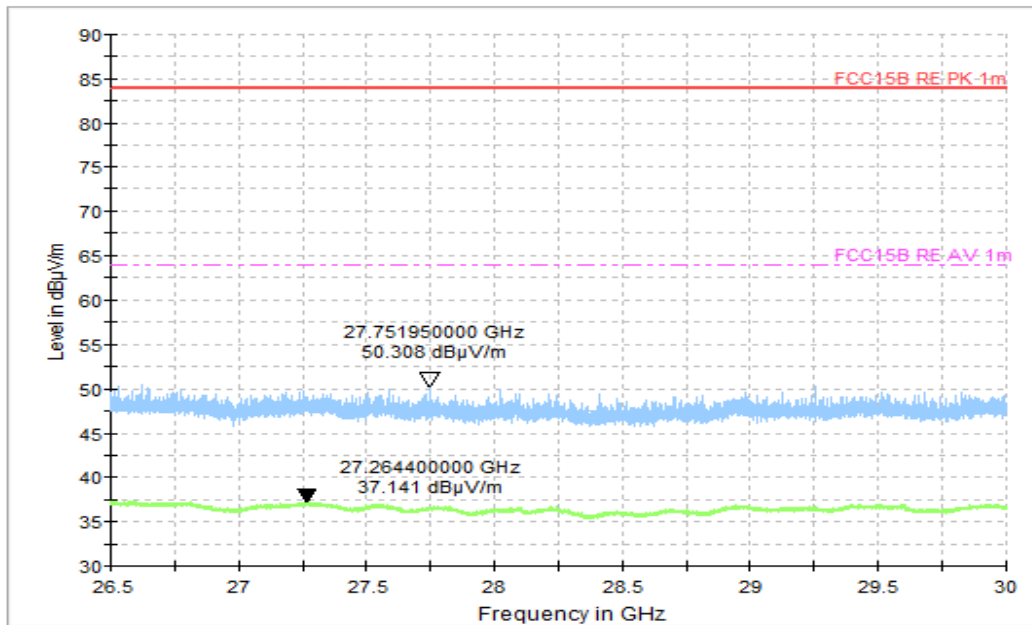


Figure A.1.8. Radiated Emission (Video Player, 26.5GHz to 30GHz)

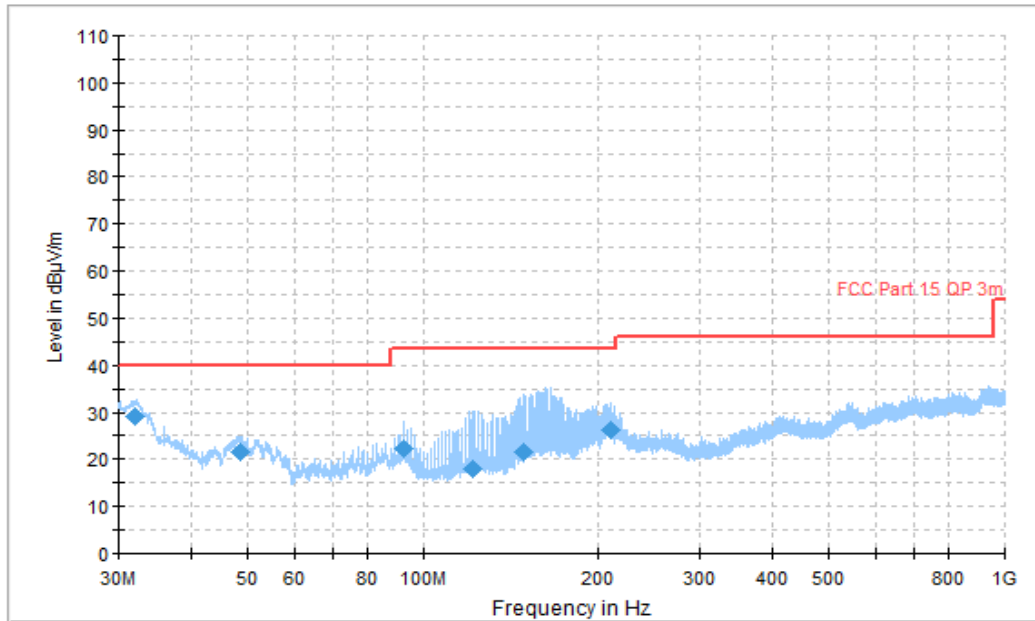


Figure A.1.9. Radiated Emission (Camera, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
31.975556	29.05	40.00	10.95	V	-6.9	35.95
48.466111	21.55	40.00	18.45	V	-15.0	36.55
92.325556	22.23	43.50	21.27	V	-14.8	37.03
121.072222	17.85	43.50	25.65	V	-14.4	32.25
148.316111	21.41	43.50	22.09	V	-13.1	34.51
210.360000	26.19	43.50	17.31	V	-11.2	37.39

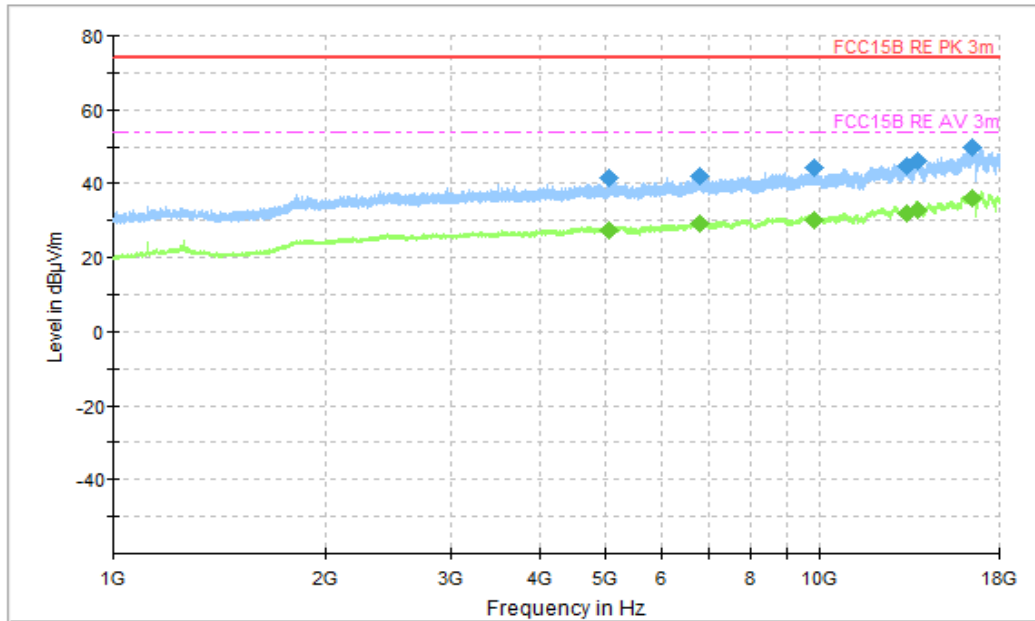


Figure A.1.10. Radiated Emission (Camera, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5058.000000	41.48	74.00	32.52	H	0.8	40.68
6775.500000	42.18	74.00	31.82	V	3.5	38.68
9852.500000	44.24	74.00	29.76	V	6.4	37.84
13344.500000	44.79	74.00	29.21	V	8.4	36.39
13768.500000	46.08	74.00	27.92	V	9.0	37.08
16464.000000	49.58	74.00	24.42	V	14.7	34.88

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5058.500000	27.42	54.00	26.58	V	0.8	26.62
6769.500000	29.00	54.00	25.00	V	3.5	25.5
9849.000000	30.30	54.00	23.70	H	6.4	23.90
13289.000000	31.77	54.00	22.23	V	8.3	23.47
13770.500000	32.97	54.00	21.03	H	9.0	23.97
16478.000000	36.19	54.00	17.81	H	14.7	21.49

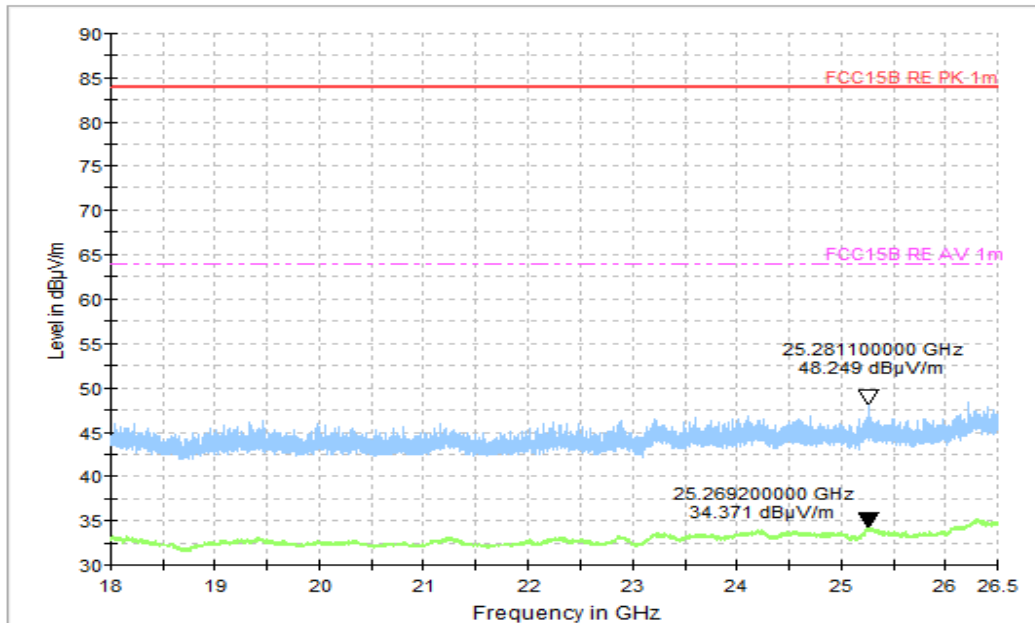


Figure A.1.11. Radiated Emission (Camera, 18GHz to 26.5GHz)

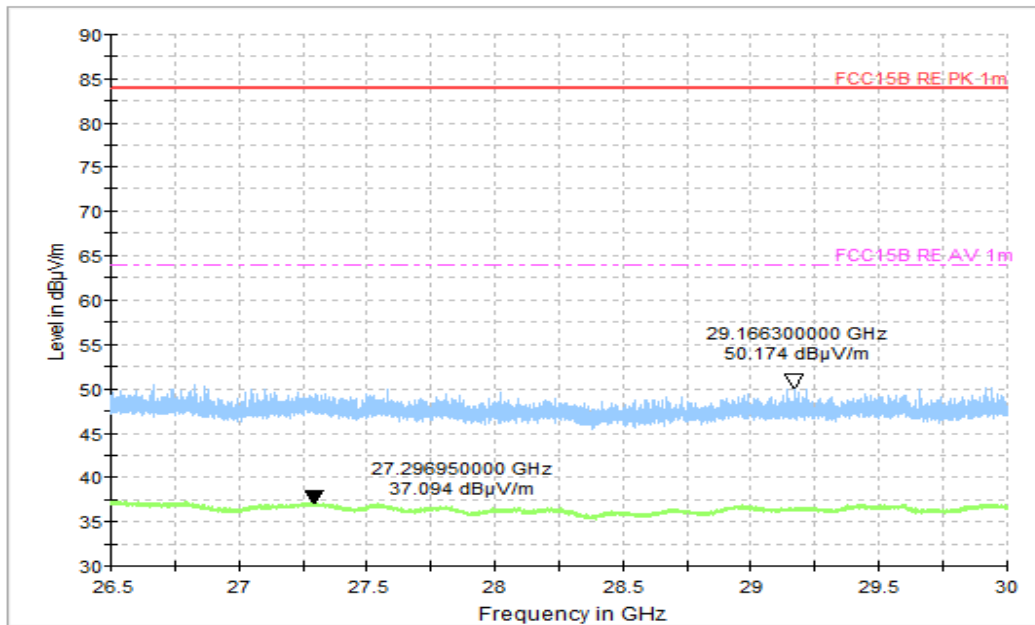


Figure A.1.12. Radiated Emission (Camera, 26.5GHz to 30GHz)

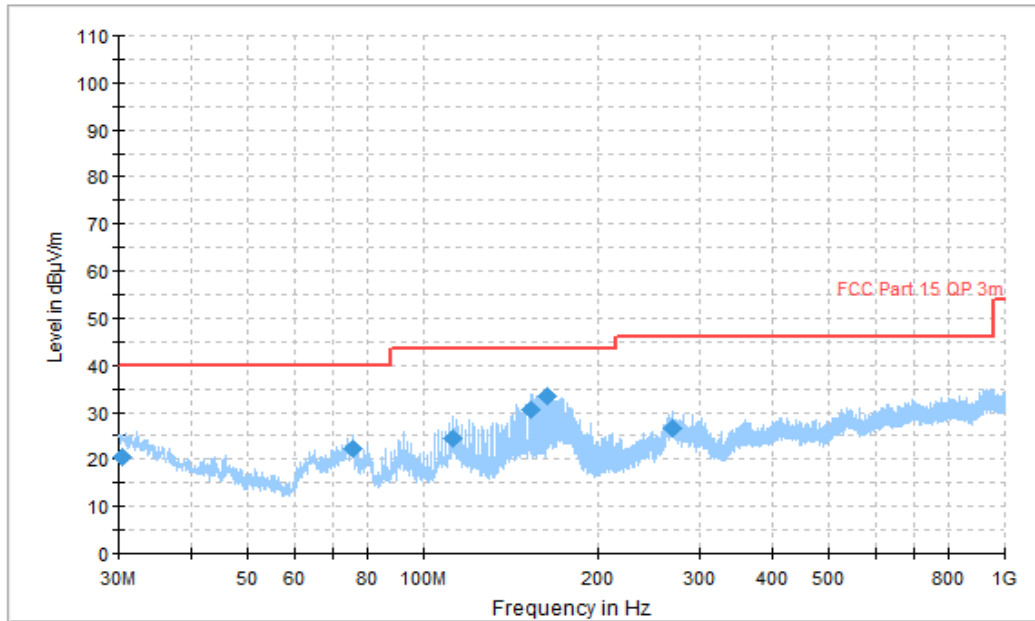


Figure A.1.13. Radiated Emission (Camera, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.330000	20.46	40.00	19.54	V	-6.4	26.86
75.703889	22.42	40.00	17.58	H	-14.8	37.22
111.995000	24.60	43.50	18.90	H	-14.1	38.70
152.890556	30.69	43.50	12.81	H	-12.2	42.89
163.482778	33.30	43.50	10.20	H	-13.1	46.4
268.470556	26.60	46.00	19.40	V	-8.0	34.60

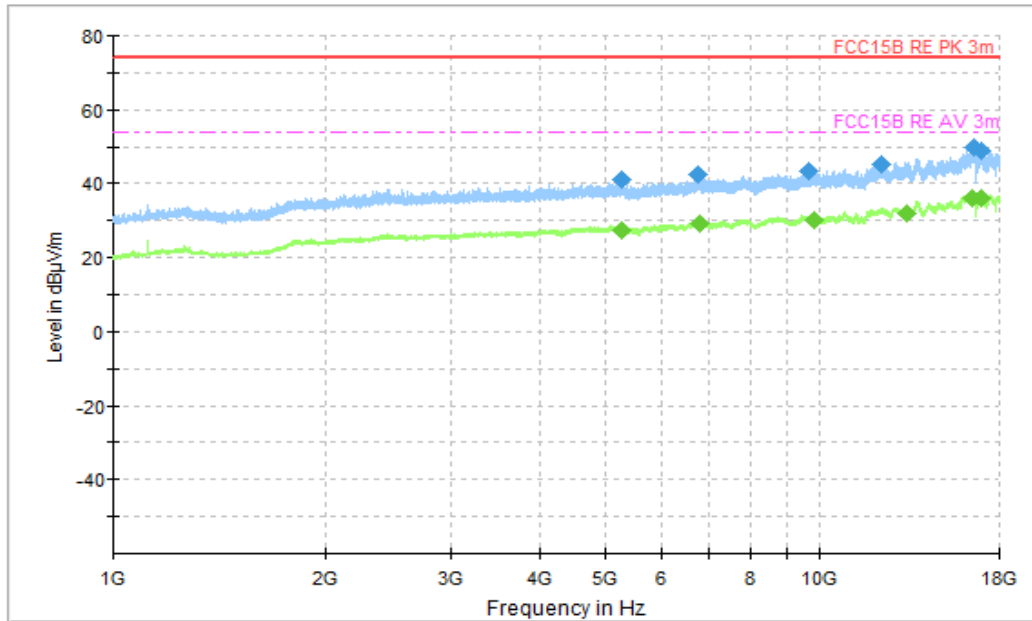


Figure A.1.14. Radiated Emission (Camera,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5271.500000	41.13	74.00	32.87	H	1.5	39.63
6762.000000	42.57	74.00	31.43	H	3.5	39.07
9687.000000	43.49	74.00	30.51	V	6.5	36.99
12286.000000	45.14	74.00	28.86	H	8.3	36.84
16614.000000	49.99	74.00	24.01	V	14.8	35.19
16922.000000	48.88	74.00	25.12	H	14.8	34.08

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
5272.500000	27.55	54.00	26.45	H	1.5	26.05
6770.500000	29.01	54.00	24.99	V	3.5	25.51
9862.000000	30.28	54.00	23.72	H	6.4	23.88
13280.000000	31.83	54.00	22.17	H	8.3	23.53
16461.500000	36.02	54.00	17.98	V	14.7	21.32
16984.500000	35.96	54.00	18.04	H	14.8	21.16

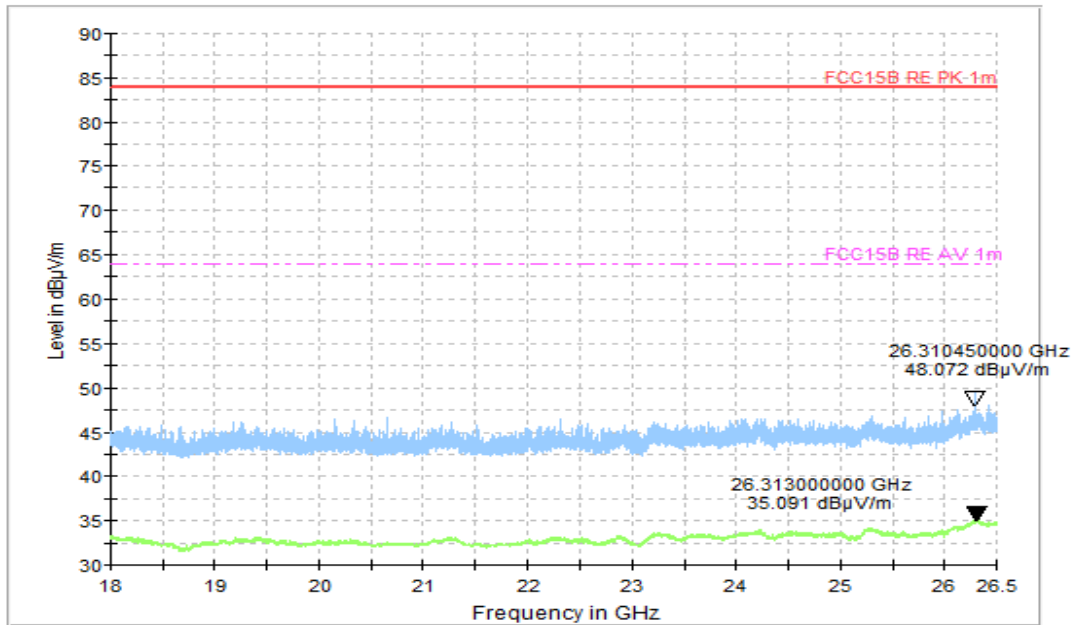


Figure A.1.15. Radiated Emission (Camera,18GHz to 26.5GHz)

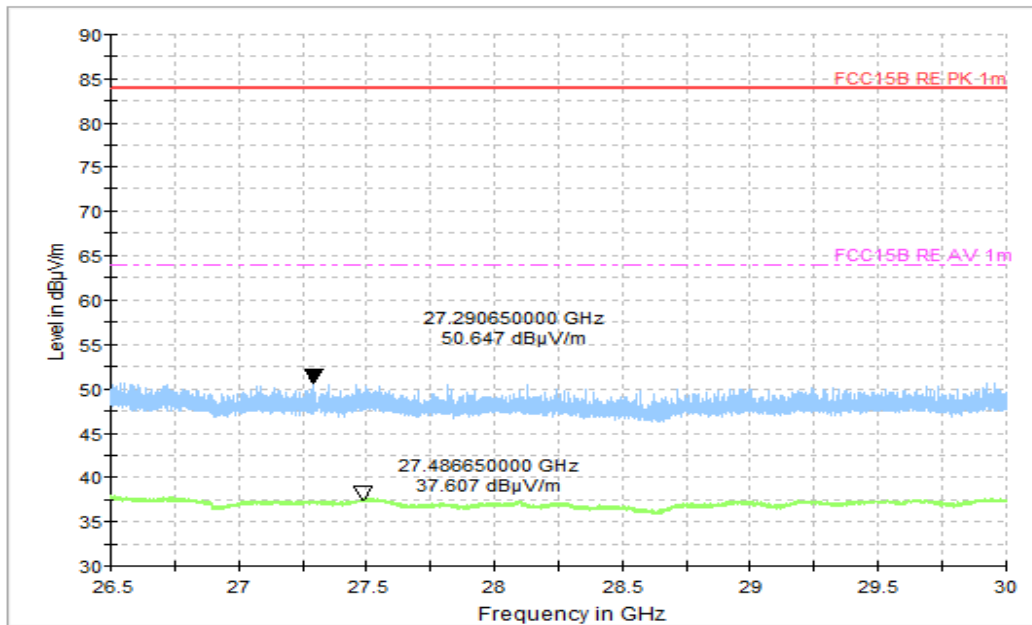


Figure A.1.16. Radiated Emission (Camera,26.5GHz to 30GHz)

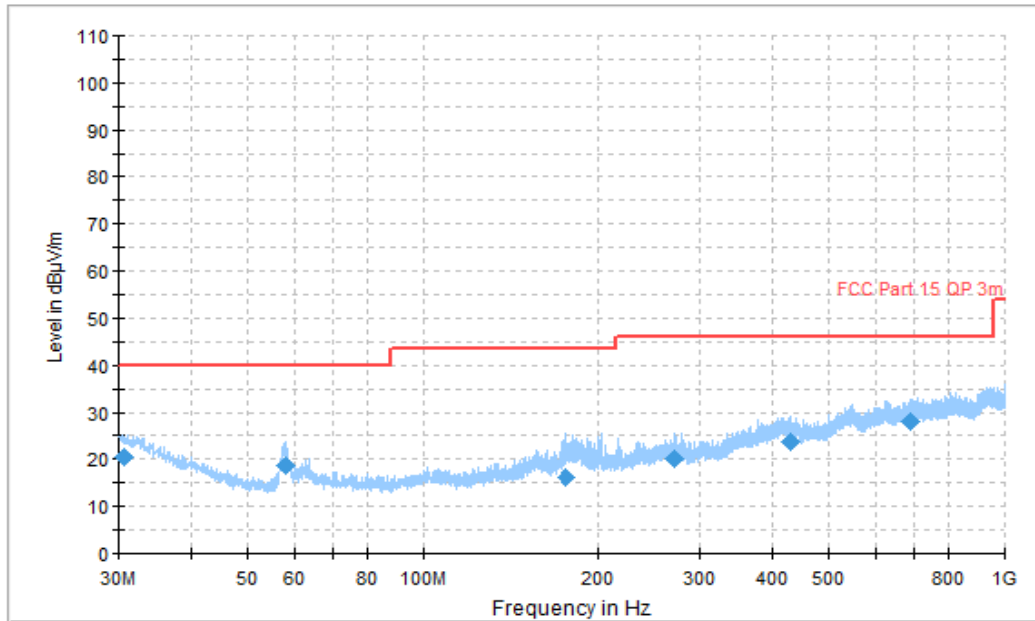


Figure A.1.17. Radiated Emission (Data Transfer: EUT to PC,30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.603889	20.43	40.00	19.57	H	-6.4	26.83
57.914444	18.79	40.00	21.21	H	-15.9	34.69
175.835000	16.11	43.50	27.39	V	-12.1	28.21
271.309444	20.07	46.00	25.93	H	-8.4	28.47
429.333889	23.85	46.00	22.15	H	-4.2	28.05
688.007778	27.86	46.00	18.14	V	0.9	26.96

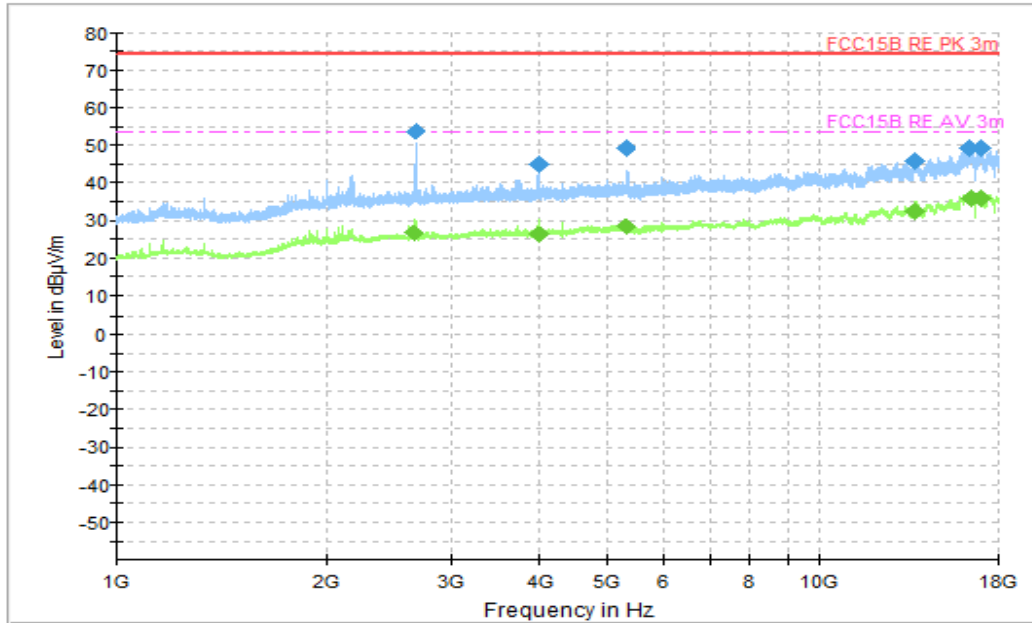


Figure A.1.18. Radiated Emission (Data Transfer: EUT to PC,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
2656.500000	53.85	74.00	20.15	V	-4.1	57.95
3994.500000	50.15	74.00	23.85	V	-1.8	51.95
5321.500000	54.29	74.00	19.71	V	1.6	52.69
13730.000000	45.90	74.00	28.10	H	8.9	37.00
16454.000000	49.12	74.00	24.88	V	14.7	34.42
16983.000000	49.25	74.00	24.75	H	14.8	34.45

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
2654.500000	26.82	54.00	27.18	V	-4.1	30.92
3995.000000	26.61	54.00	27.39	V	-1.8	28.41
5322.500000	28.48	54.00	25.52	V	1.6	26.88
13765.000000	32.56	54.00	21.44	V	9.0	23.56
16465.500000	35.96	54.00	18.04	V	14.7	21.26
17038.500000	36.00	54.00	18.00	V	14.7	21.30

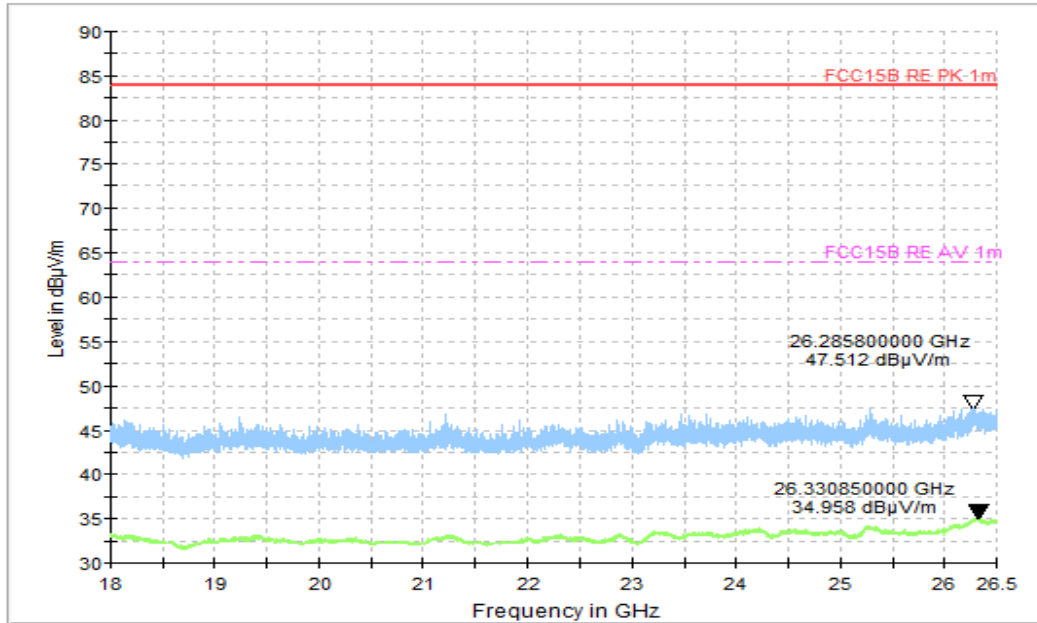


Figure A.1.19. Radiated Emission (Data Transfer: EUT to PC,18GHz to 26.5GHz)

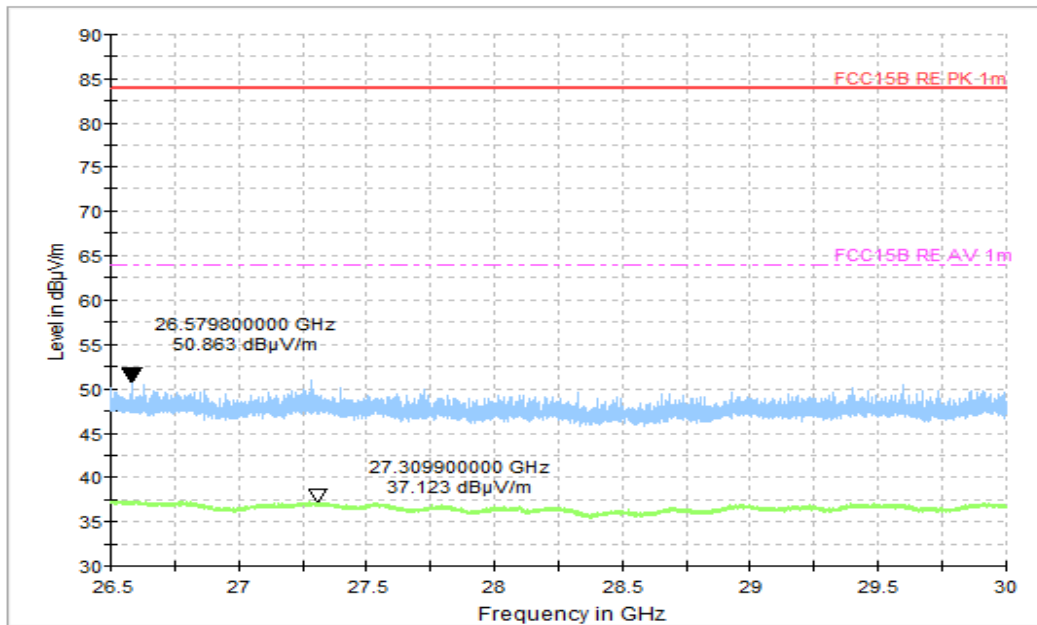


Figure A.1.20. Radiated Emission (Data Transfer: EUT to PC, 26.5GHz to 30GHz)

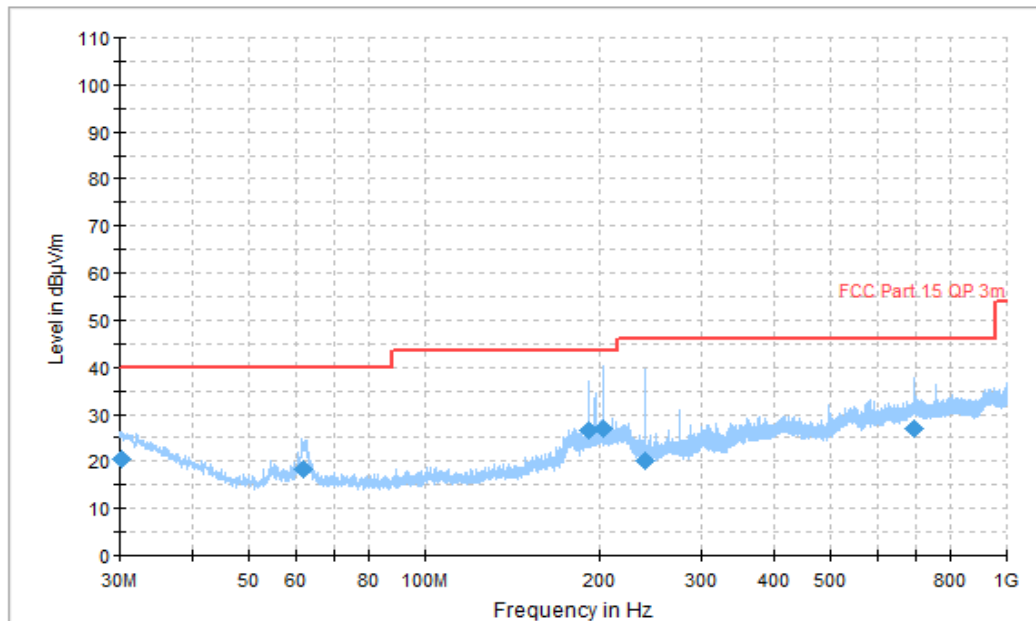


Figure A.1.21. Radiated Emission (Data Transfer: PC to EUT,30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.210000	20.48	40.00	19.52	V	-6.3	26.78
62.045556	18.26	40.00	21.74	H	-15.4	33.66
191.996111	26.77	43.50	16.73	V	-12.6	39.37
203.857222	26.79	43.50	16.71	V	-11.4	38.19
240.101111	20.01	46.00	25.99	V	-9.5	29.51
694.624444	27.01	46.00	18.99	H	1.1	29.51

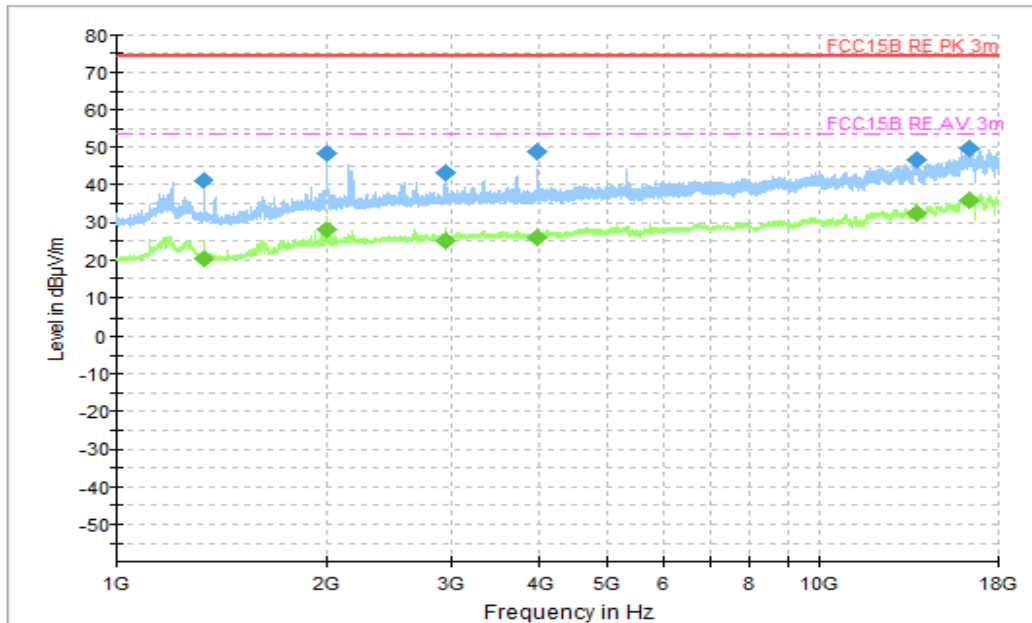


Figure A.1.22. Radiated Emission (Data Transfer: PC to EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
1327.500000	41.22	74.00	32.78	V	-9.7	50.92
1992.500000	48.55	74.00	25.45	V	-5.9	54.45
2938.000000	43.31	74.00	30.69	V	-3.9	47.21
3984.500000	48.64	74.00	25.36	V	-1.8	50.44
13770.000000	46.60	74.00	27.40	H	9.0	37.6
16444.000000	49.78	74.00	24.22	V	14.7	35.08

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
1327.500000	20.75	54.00	33.25	V	-9.7	30.45
1992.500000	28.06	54.00	25.94	V	-5.9	33.96
2939.500000	25.02	54.00	28.98	V	-3.8	28.82
3984.500000	26.16	54.00	27.84	V	-1.8	27.96
13769.000000	32.68	54.00	21.32	V	9.0	23.68
16443.500000	35.80	54.00	18.20	V	14.7	21.10

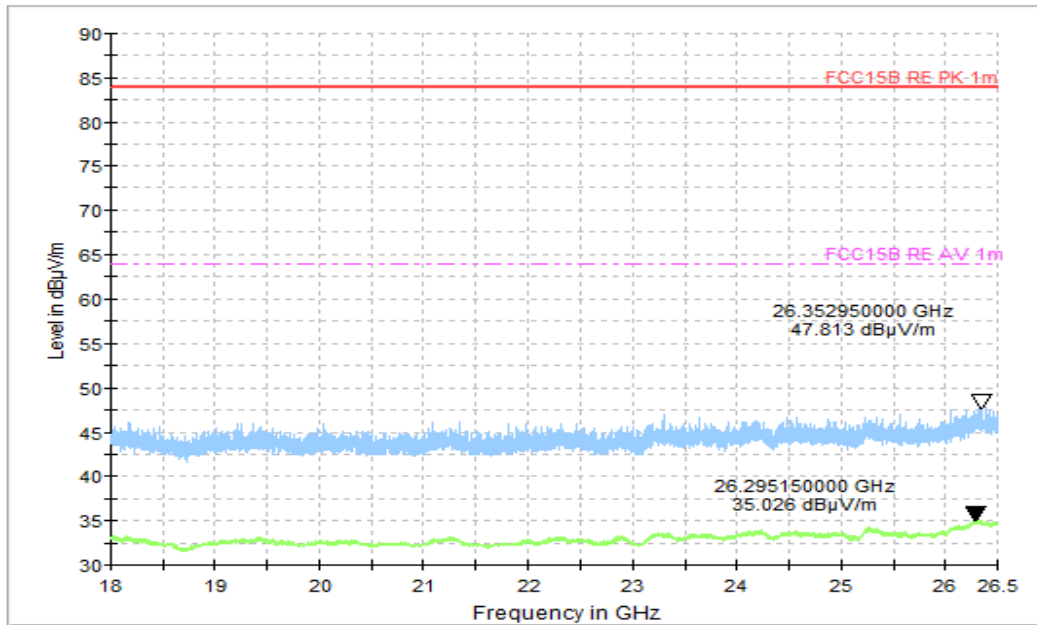


Figure A.1.23. Radiated Emission (Data Transfer: PC to EUT,18GHz to 26.5GHz)

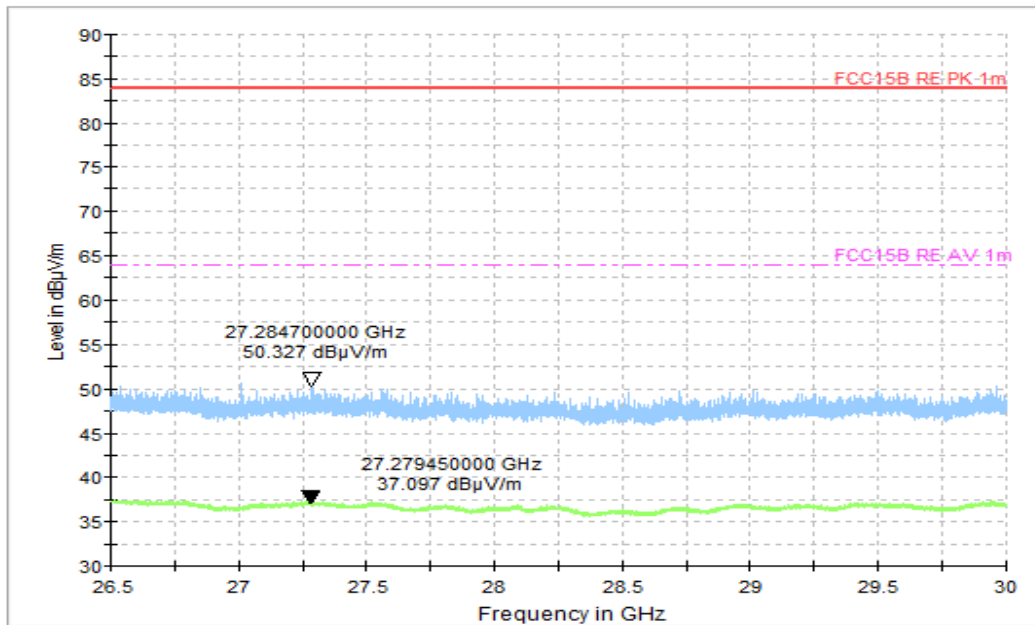


Figure A.1.24. Radiated Emission (Data Transfer: PC to EUT,26.5GHz to 30GHz)

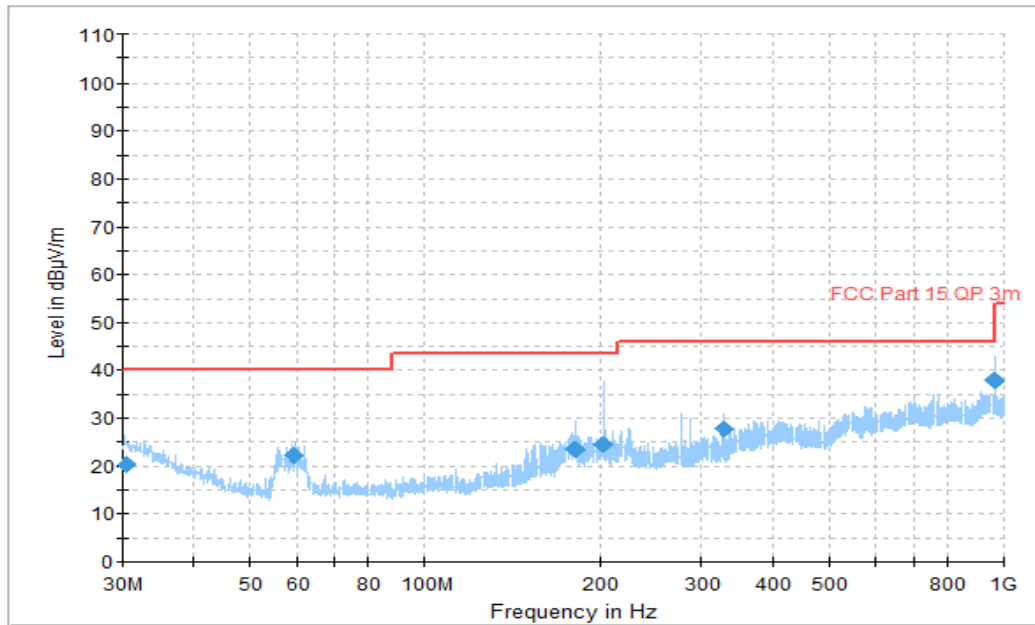


Figure A.1.25. Radiated Emission (Data Transfer: PC to TF Card,30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.450000	20.28	40.00	19.72	V	-6.4	26.68
59.021111	22.16	40.00	17.84	H	-15.7	37.86
182.302778	23.39	43.50	20.11	V	-12.1	35.49
203.983333	24.47	43.50	19.03	V	-11.4	35.87
329.035556	27.69	46.00	18.31	V	-8.0	35.69
959.990556	37.91	46.00	8.09	V	2.5	35.41

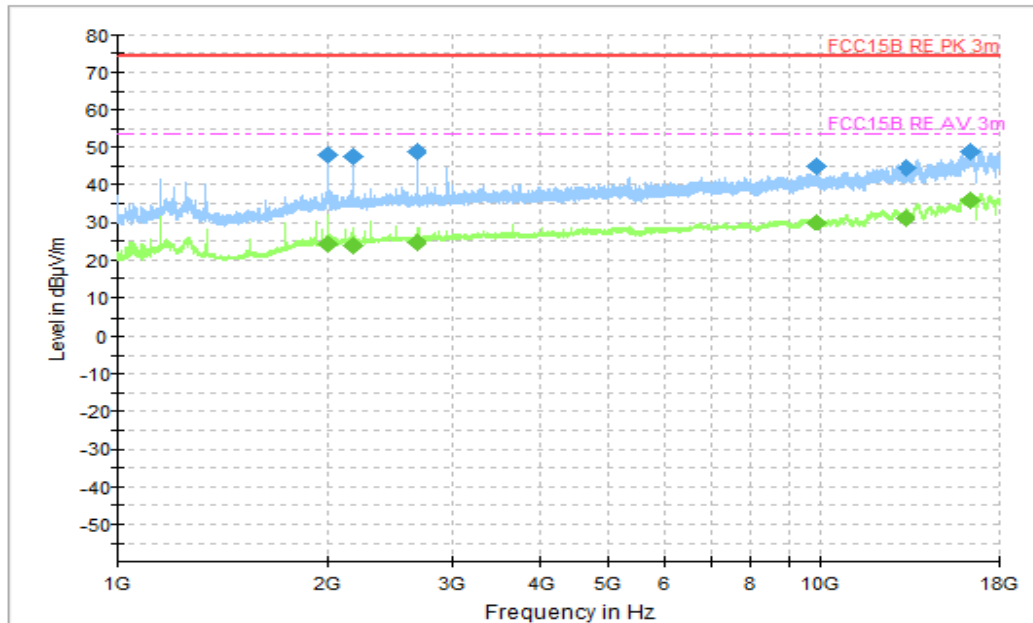


Figure A.1.26. Radiated Emission (Data Transfer: PC to TF Card,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
1996.500000	48.04	74.00	25.96	V	-5.9	53.94
2154.500000	47.77	74.00	26.23	V	-5.8	53.57
2661.000000	48.81	74.00	25.19	V	-4.1	52.91
9916.500000	45.01	74.00	28.99	H	6.3	38.71
13342.500000	44.88	74.00	29.12	V	8.4	36.48
16429.000000	49.04	74.00	24.96	V	14.6	34.44

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
1991.500000	24.25	54.00	29.76	V	-5.9	30.15
2158.000000	23.89	54.00	30.11	V	-5.7	29.59
2661.000000	24.88	54.00	29.12	V	-4.1	28.98
9886.500000	30.27	54.00	23.73	H	6.4	23.87
13261.500000	31.47	54.00	22.53	H	8.2	23.27
16448.000000	36.12	54.00	17.88	V	14.7	21.42

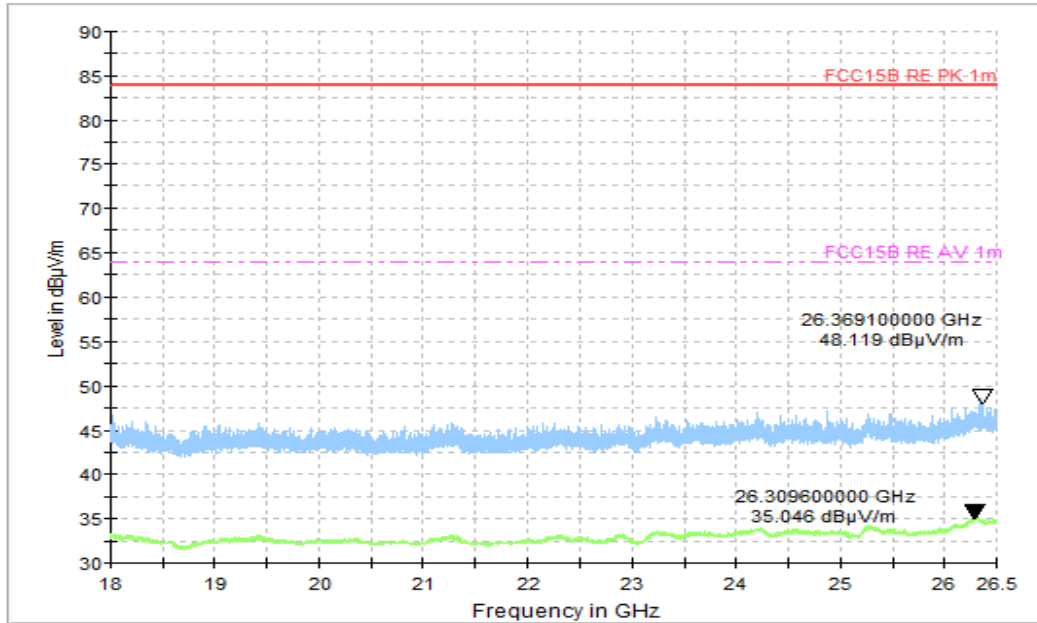


Figure A.1.27. Radiated Emission (Data Transfer: PC to TF Card,18GHz to 26.5GHz)

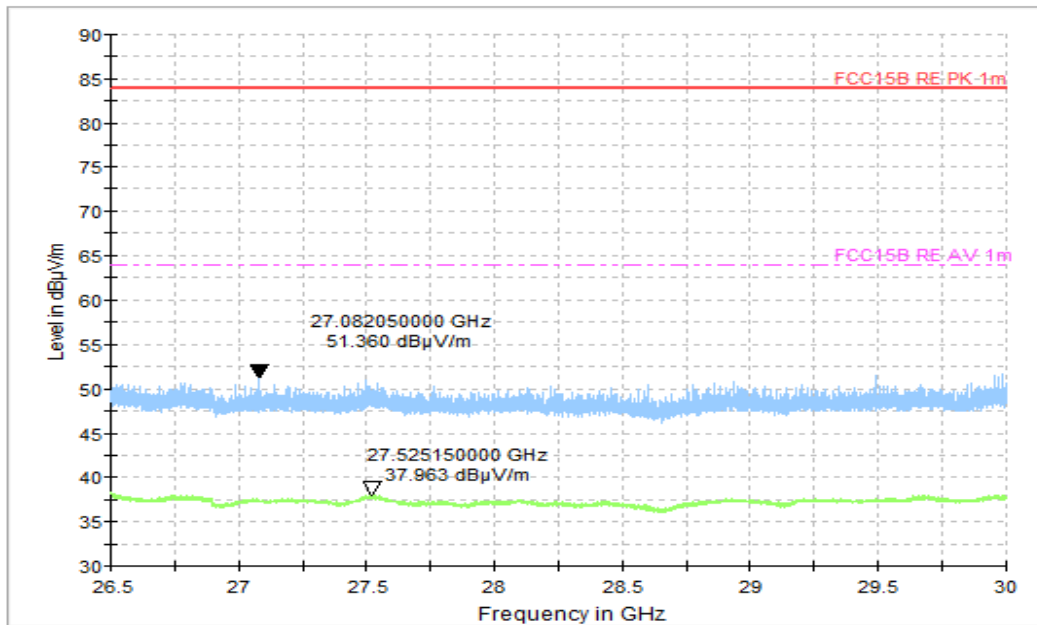


Figure A.1.28. Radiated Emission (Data Transfer: PC to TF Card, 26.5GHz to 30GHz)

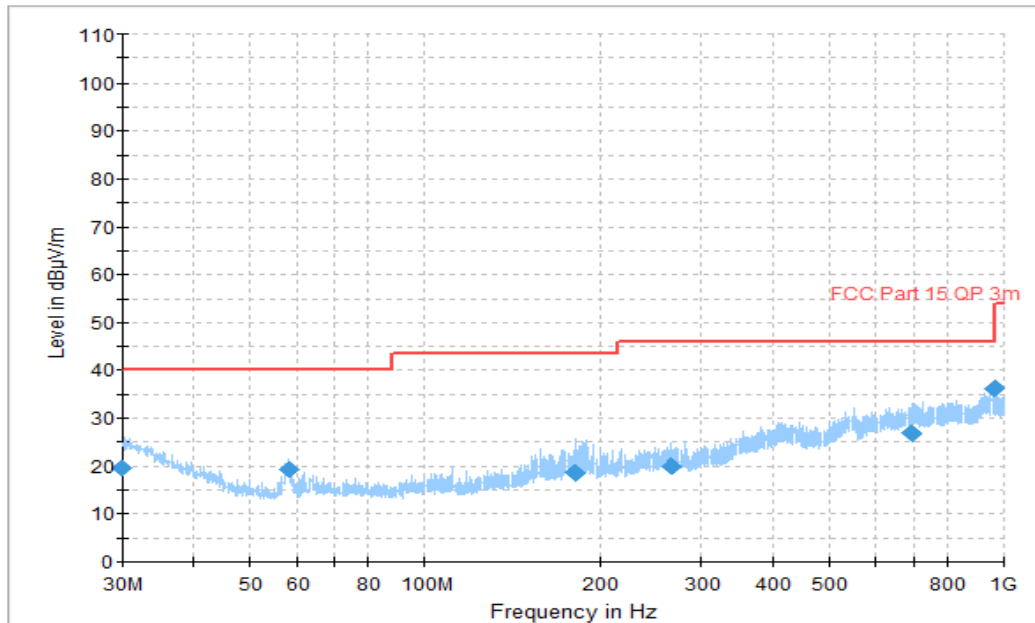


Figure A.1.29. Radiated Emission (Data Transfer: TF Card to PC,30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.090000	19.45	40.00	20.55	H	-6.3	25.75
58.178333	19.28	40.00	20.72	H	-15.9	35.18
181.402778	18.64	43.50	24.86	V	-12.0	30.64
265.972778	19.99	46.00	26.01	V	-7.9	27.89
695.666111	26.92	46.00	19.08	V	1.1	25.82
959.990556	36.13	46.00	9.87	V	2.5	33.63

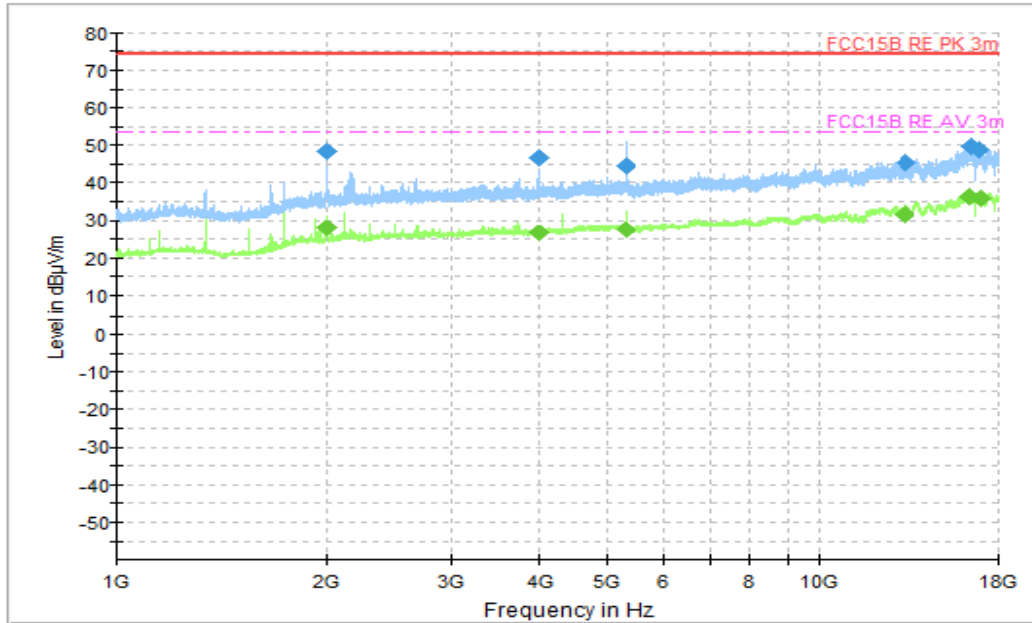


Figure A.1.30. Radiated Emission (Data Transfer: TF Card to PC,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
1992.000000	48.29	74.00	25.71	V	-5.9	54.19
3995.000000	46.68	74.00	27.32	V	-1.8	48.48
5315.500000	44.86	74.00	29.14	V	1.6	43.26
13271.000000	45.47	74.00	28.53	V	8.2	37.27
16511.500000	49.56	74.00	24.44	H	14.7	34.86
16919.000000	48.70	74.00	25.30	V	14.8	33.90

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
1992.000000	28.25	54.00	25.75	V	-5.9	34.15
3995.500000	26.70	54.00	27.30	V	-1.8	28.5
5321.500000	27.73	54.00	26.27	V	1.6	26.13
13260.500000	31.79	54.00	22.21	H	8.2	23.59
16446.500000	36.27	54.00	17.73	V	14.7	21.57
16986.500000	36.01	54.00	17.99	H	14.8	21.21

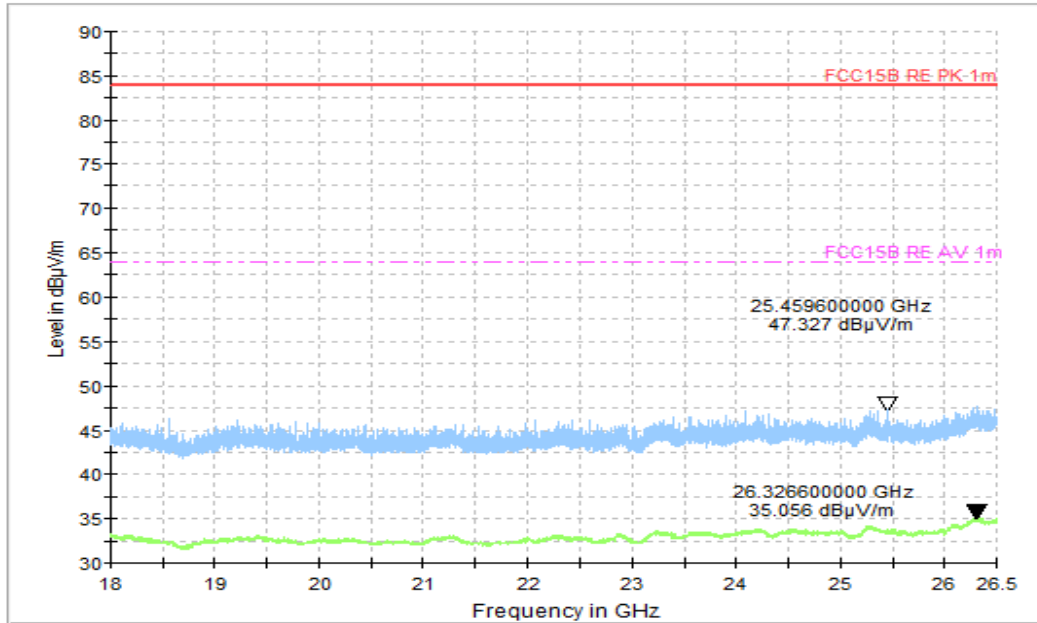


Figure A.1.31. Radiated Emission (Data Transfer: TF Card to PC,18GHz to 26.5GHz)

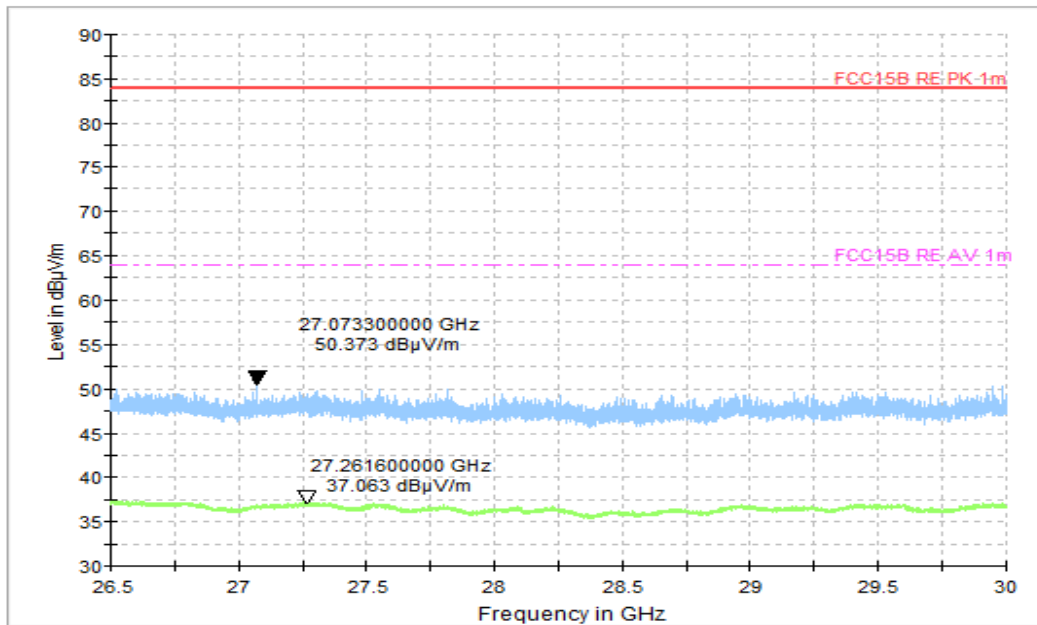


Figure A.1.32. Radiated Emission (Data Transfer: TF Card to PC, 26.5GHz to 30GHz)

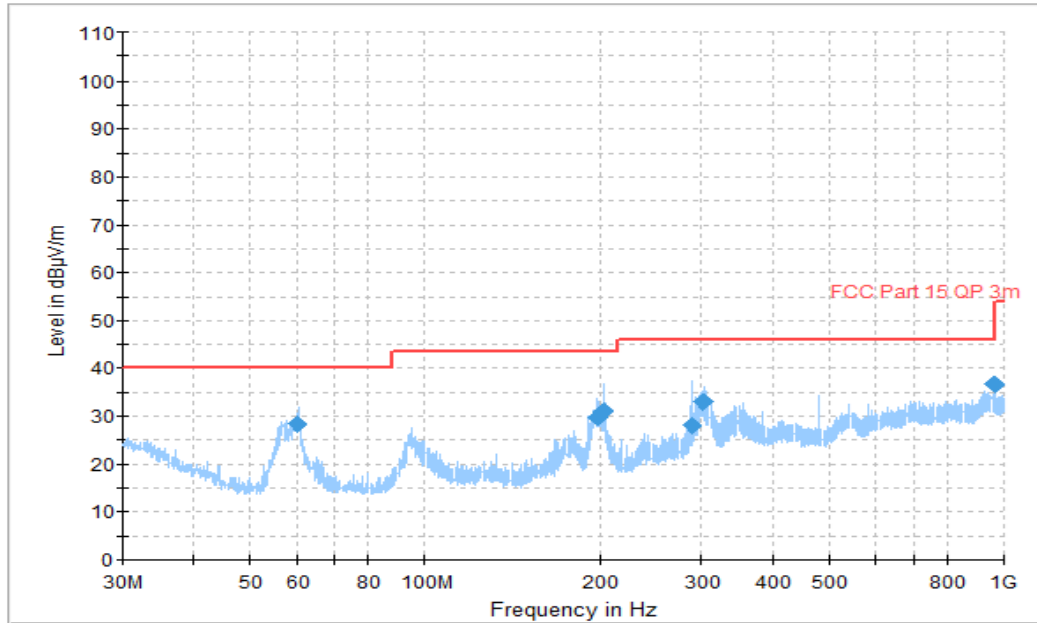


Figure A.1.33. Radiated Emission (Data Transfer: PC to TF Card,30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
60.038889	28.32	40.00	11.68	H	-15.6	43.92
198.541667	29.68	43.50	13.82	V	-12.1	41.78
204.018889	31.05	43.50	12.45	V	-11.4	42.45
287.990000	28.15	46.00	17.85	V	-9.2	37.35
301.659444	32.89	46.00	13.11	V	-8.3	41.19
959.990556	36.44	46.00	9.56	H	2.5	33.94

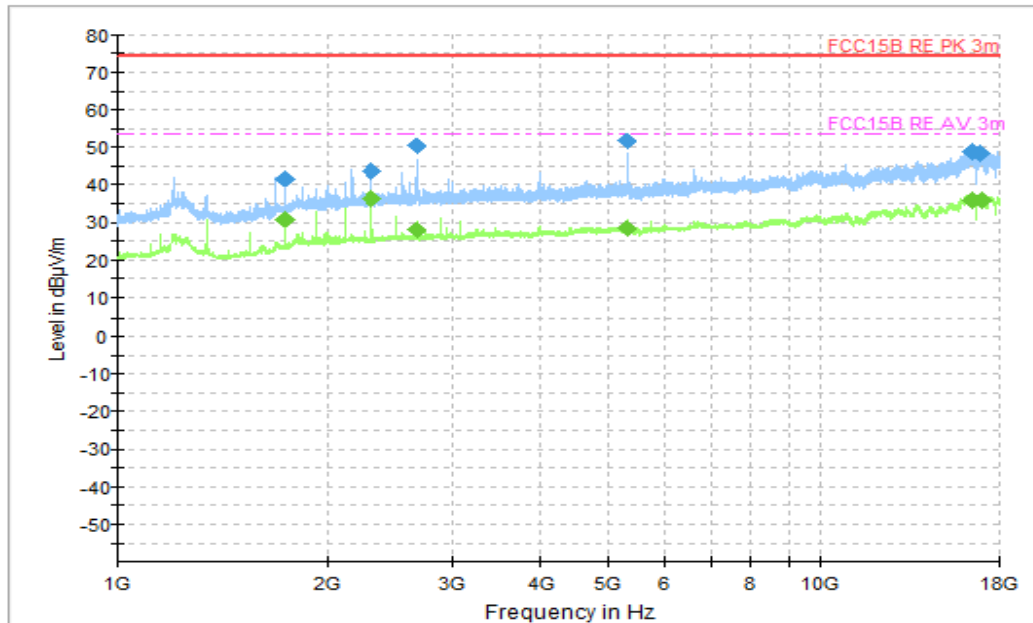


Figure A.1.34. Radiated Emission (Data Transfer: PC to TF Card,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
1727.500000	41.80	74.00	32.20	H	-8.1	49.90
2304.000000	44.00	74.00	30.00	H	-5.2	49.20
2664.500000	50.55	74.00	23.45	V	-4.1	54.65
5324.500000	51.94	74.00	22.06	V	1.6	50.34
16559.500000	48.72	74.00	25.28	H	14.8	33.92
16934.500000	48.48	74.00	25.52	V	14.8	33.68

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
1727.500000	31.03	54.00	22.97	H	-8.1	39.13
2304.000000	36.37	54.00	17.63	H	-5.2	41.57
2664.500000	27.91	54.00	26.09	V	-4.1	32.01
5317.000000	28.43	54.00	25.57	V	1.6	26.83
16467.000000	35.95	54.00	18.05	H	14.7	21.25
17005.500000	35.84	54.00	18.16	V	14.8	21.04

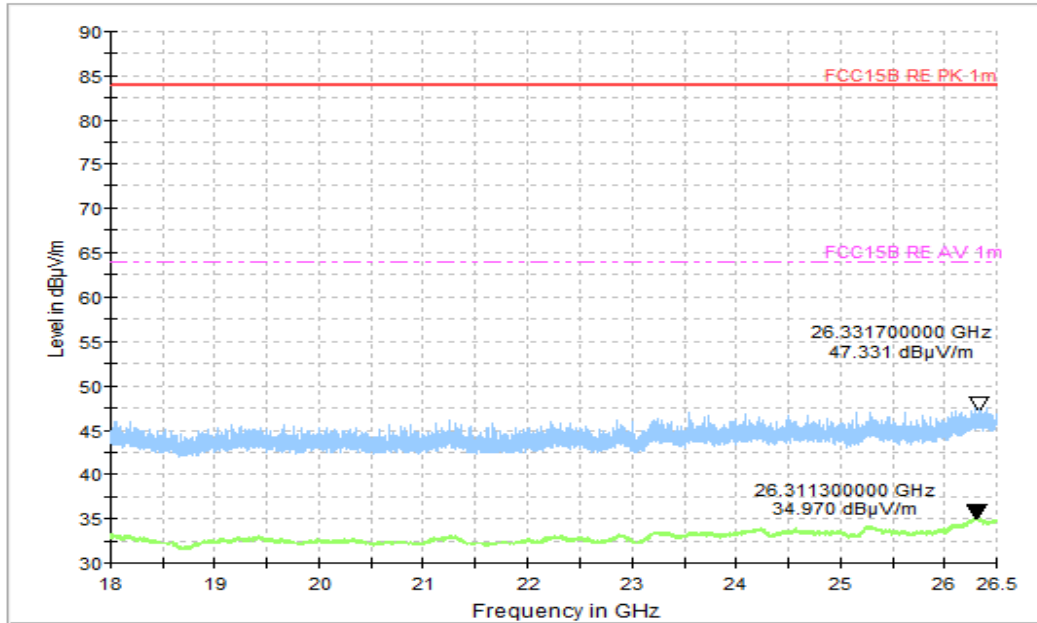


Figure A.1.35. Radiated Emission (Data Transfer: PC to TF Card,18GHz to 26.5GHz)

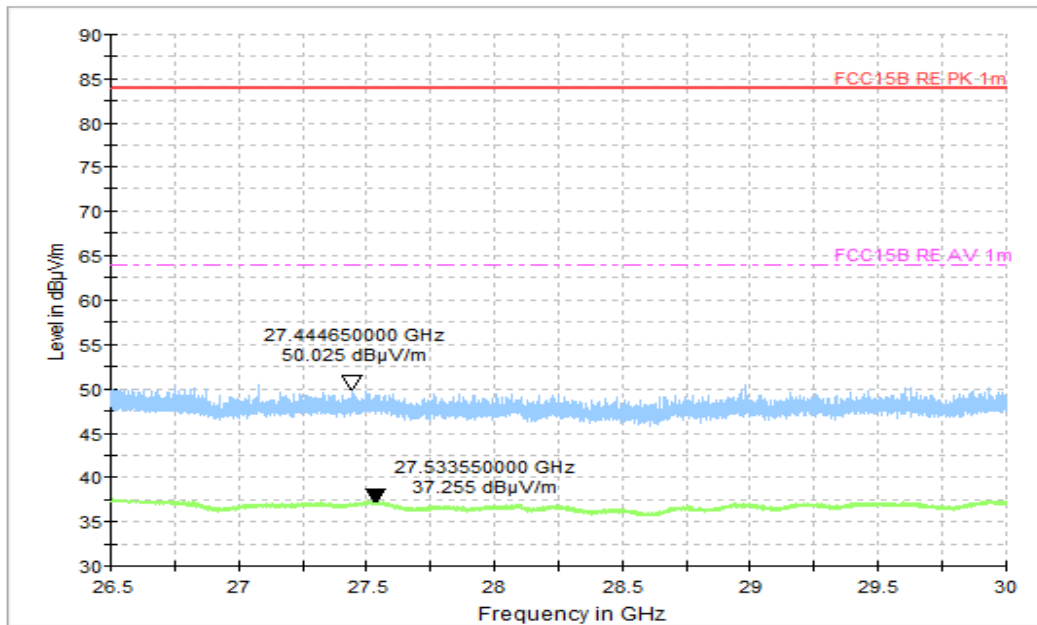


Figure A.1.36. Radiated Emission (Data Transfer: PC to TF Card, 26.5GHz to 30GHz)



A.2 Conducted Emission (§15.107(a))

Reference

FCC: CFR 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:

FM receiver: The EUT is connected to a charger for charging and open FM function. 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.

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

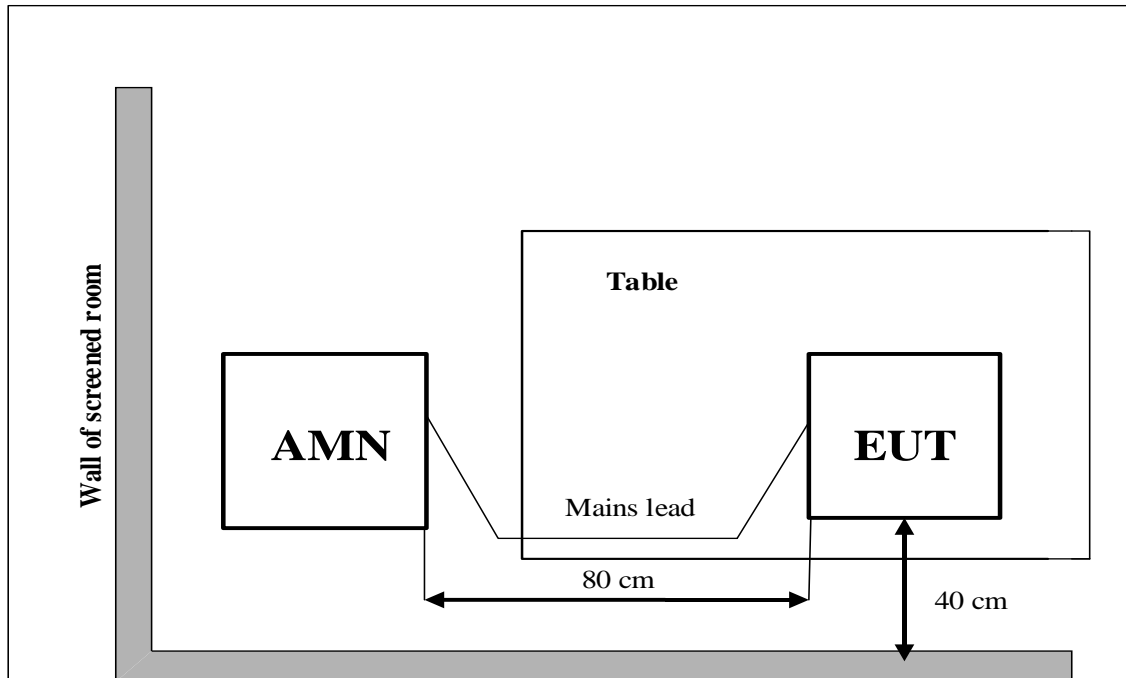
Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

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

A.2.3 Measurement Limit

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

*Decreases with the logarithm of the frequency

A.2.4 Test set-up:

A.2.5 Test Condition in charging mode

Voltage (V)	Frequency (Hz)
120	60
240	60

RBW	Sweep Time(s)
9kHz	1

A.2.6 Measurement Results

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

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
			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.

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
			UT01aa/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.

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
			UT01aa/Set.2	
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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/Set.3	
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
			UT01aa/Set.4	
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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.6	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Video Player

AC Input Port/ Voltage: 240V/60Hz

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

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
			UT01aa/Set.2	
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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT01aa/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.



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
			UT01aa/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.

AC Input Port/ Voltage: 120V/60Hz

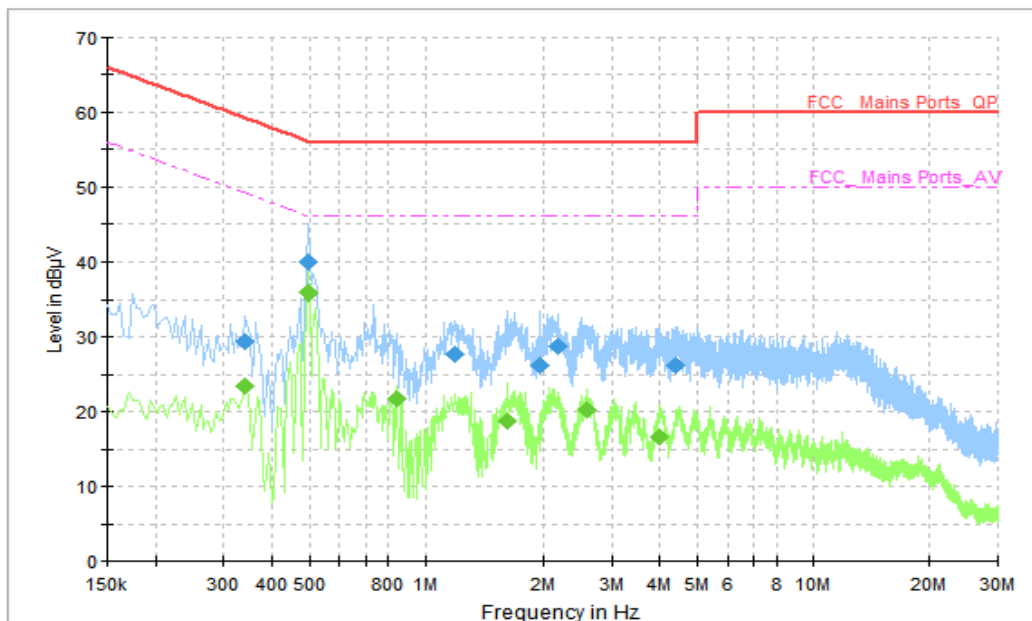


Figure A.2.1 Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.342000	29.36	59.16	29.80	L1	10	19.36
0.498000	39.86	56.03	16.18	L1	10	29.86
1.194000	27.70	56.00	28.30	L1	10	17.70
1.958000	26.17	56.00	29.83	L1	10	16.17
2.178000	28.72	56.00	27.28	L1	10	18.72
4.418000	26.22	56.00	29.78	L1	10	16.22

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.342000	23.56	49.16	25.59	L1	10	13.56
0.498000	35.80	46.03	10.23	L1	10	25.80
0.842000	21.80	46.00	24.20	L1	10	11.80
1.614000	18.85	46.00	27.15	L1	10	8.85
2.586000	20.32	46.00	25.68	L1	10	10.32
4.006000	16.73	46.00	29.27	L1	10	6.73

AC Input Port/ Voltage: 120V/60Hz

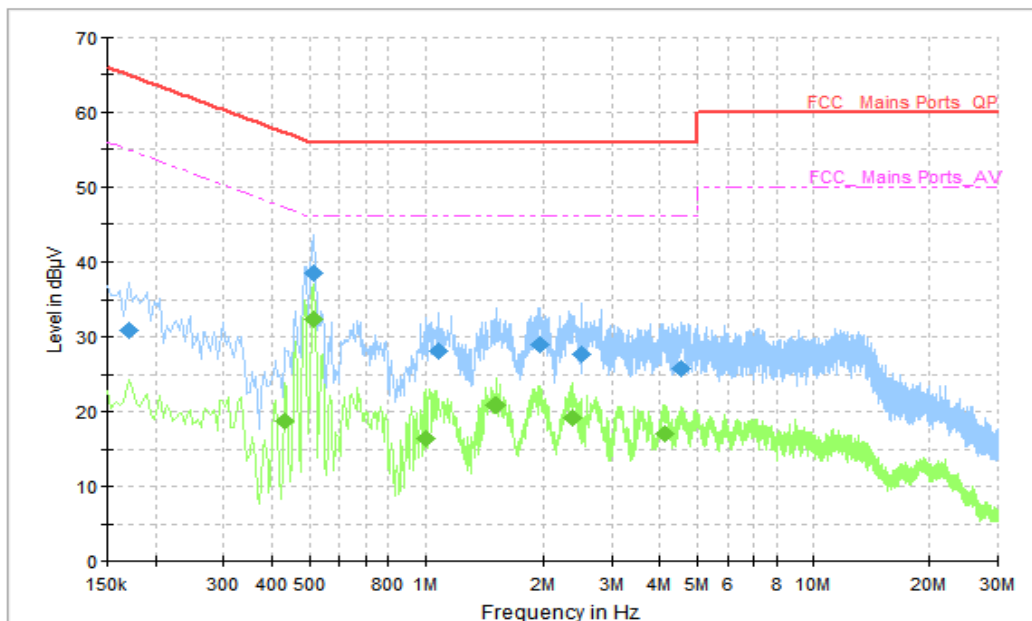


Figure A.2.2 Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.170000	30.90	64.96	34.06	L1	10	20.90
0.514000	38.46	56.00	17.54	L1	10	28.46
1.082000	28.23	56.00	27.77	L1	10	18.23
1.954000	28.96	56.00	27.04	L1	10	18.96
2.510000	27.72	56.00	28.28	L1	10	17.72
4.550000	25.75	56.00	30.25	L1	10	15.75

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.430000	18.74	47.25	28.51	L1	10	8.74
0.514000	32.47	46.00	13.53	L1	10	22.47
1.002000	16.53	46.00	29.47	L1	10	6.53
1.514000	21.01	46.00	24.99	L1	10	11.01
2.366000	19.25	46.00	26.75	L1	10	9.25
4.114000	17.02	46.00	28.98	L1	10	7.02

AC Input Port/ Voltage: 120V/60Hz

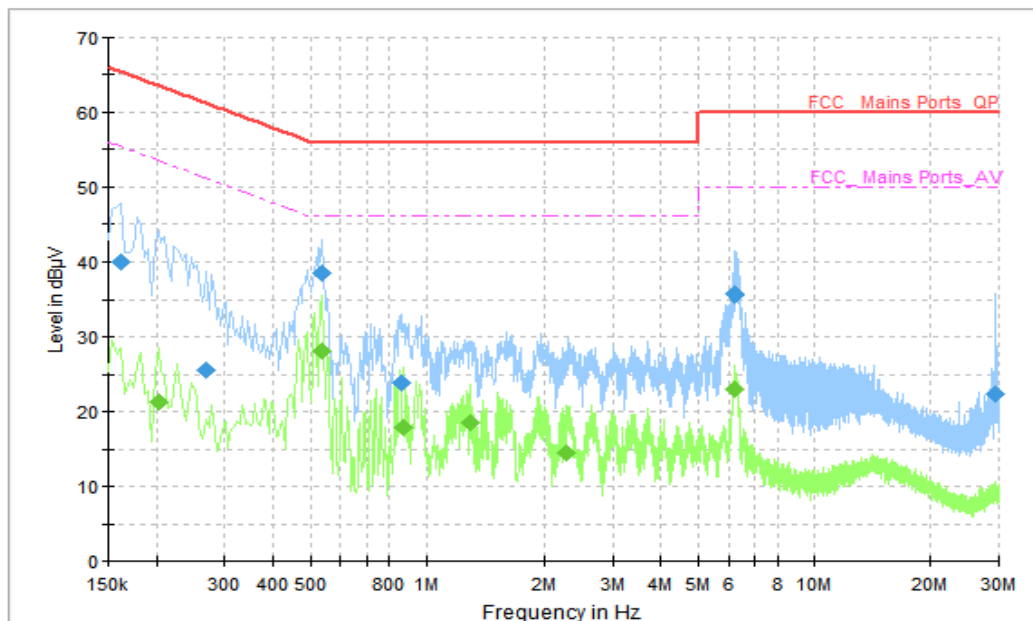


Figure A.2.3 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.162000	40.00	65.36	25.36	N	10	30.00
0.270000	25.66	61.12	35.46	N	10	15.66
0.534000	38.48	56.00	17.52	L1	10	28.48
0.866000	23.97	56.00	32.03	N	10	13.97
6.202000	35.74	60.00	24.26	L1	10	25.74
29.370000	22.48	60.00	37.52	N	10	12.48

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.202000	21.29	53.53	32.24	N	10	11.29
0.538000	28.09	46.00	17.91	N	10	18.09
0.874000	17.92	46.00	28.08	N	10	7.92
1.294000	18.55	46.00	27.45	N	10	8.55
2.278000	14.42	46.00	31.58	N	10	4.42
6.226000	22.99	50.00	27.01	L1	10	12.99

AC Input Port/ Voltage: 120V/60Hz

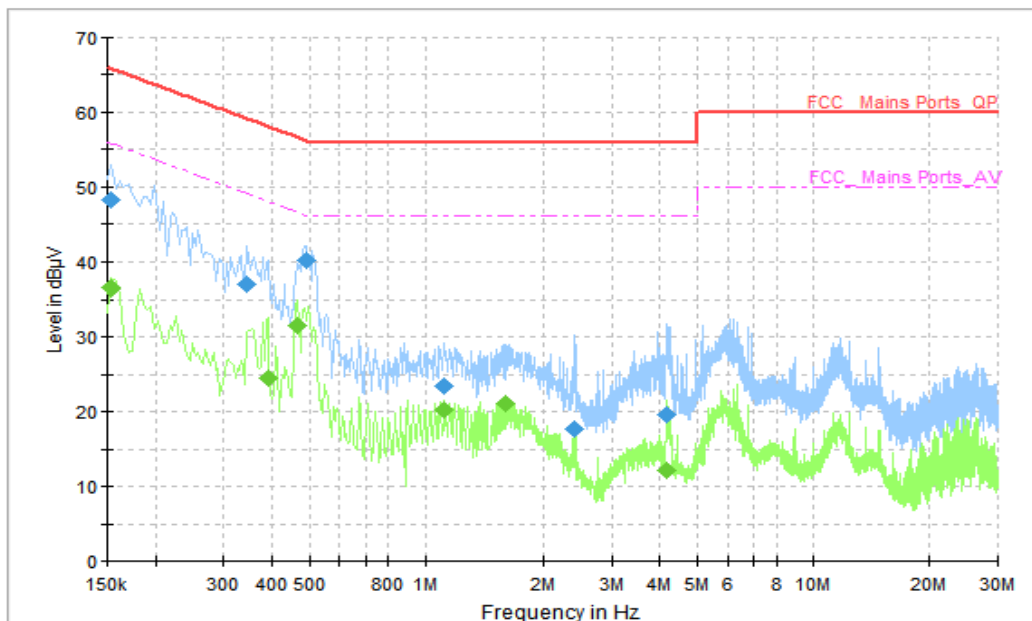


Figure A.2.4 Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.154000	48.21	65.78	17.58	L1	10	38.21
0.346000	36.82	59.06	22.24	N	10	26.82
0.490000	40.15	56.17	16.02	L1	10	30.15
1.114000	23.41	56.00	32.59	N	10	13.41
2.410000	17.63	56.00	38.37	L1	10	7.63
4.186000	19.58	56.00	36.42	N	10	9.58

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.154000	36.53	55.78	19.25	N	10	26.53
0.390000	24.48	48.06	23.58	N	10	14.48
0.466000	31.48	46.59	15.10	N	10	21.48
1.122000	20.22	46.00	25.78	N	10	10.22
1.602000	21.03	46.00	24.97	N	10	11.03
4.146000	12.06	46.00	33.94	N	10	2.06

AC Input Port/ Voltage: 120V/60Hz

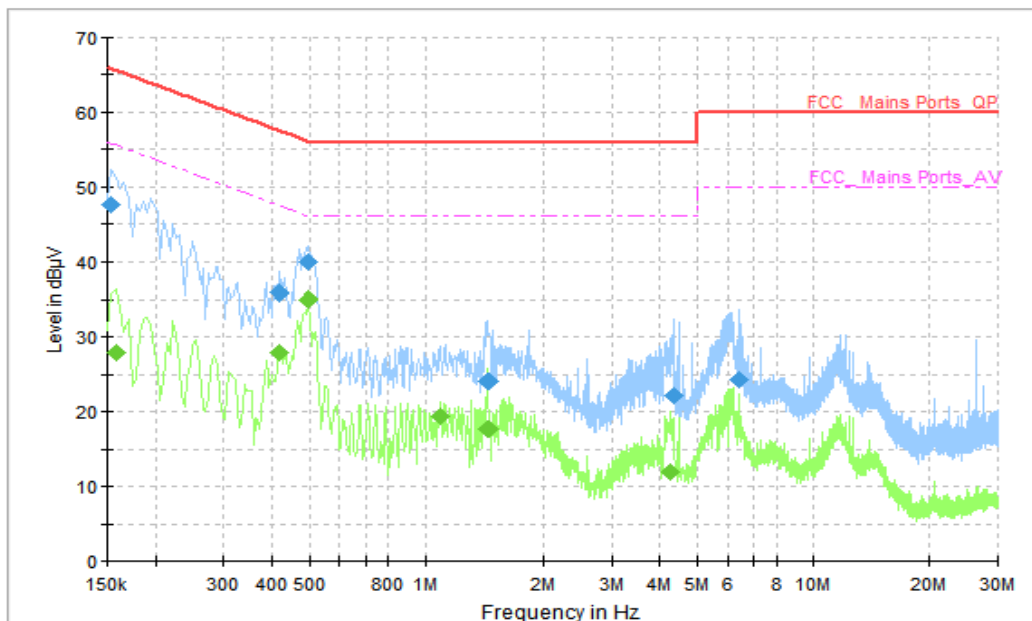


Figure A.2.5 Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.154000	47.61	65.78	18.17	N	10	37.61
0.418000	35.78	57.49	21.71	N	10	25.78
0.498000	39.94	56.03	16.09	L1	10	29.94
1.450000	24.07	56.00	31.93	N	10	14.07
4.334000	22.16	56.00	33.84	N	10	12.16
6.414000	24.39	60.00	35.61	N	10	14.39

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.158000	27.98	55.57	27.59	L1	10	17.98
0.418000	28.04	47.49	19.45	N	10	18.04
0.498000	35.05	46.03	10.98	L1	10	25.05
1.090000	19.44	46.00	26.56	N	10	9.44
1.446000	17.74	46.00	28.26	N	10	7.74
4.246000	12.03	46.00	33.97	N	10	2.03

AC Input Port/ Voltage: 240V/60Hz

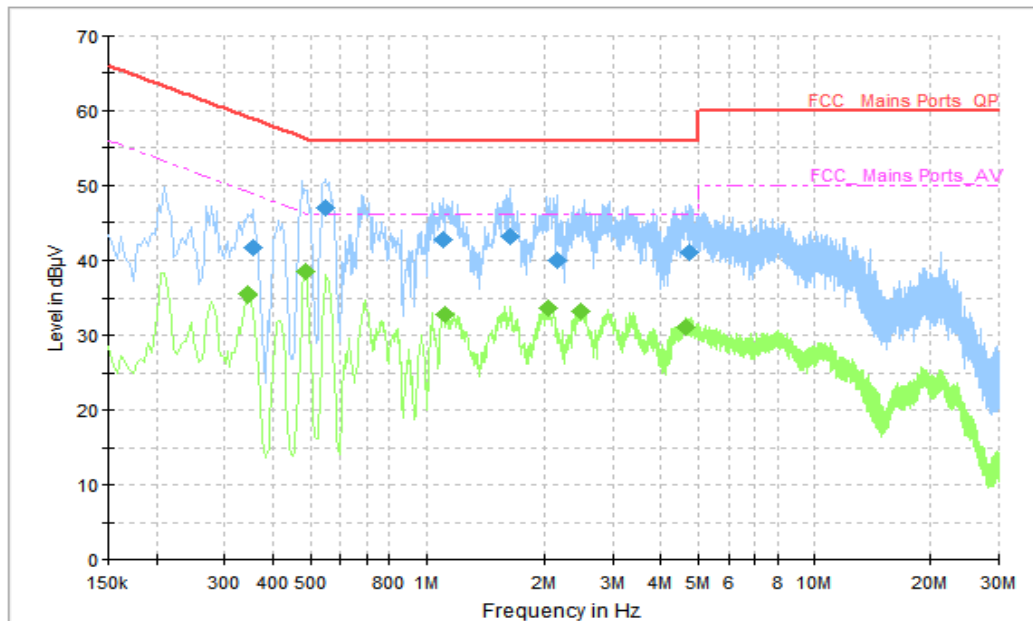


Figure A.2.6 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.354000	41.55	58.87	17.32	N	10	31.55
0.550000	46.93	56.00	9.07	N	10	36.93
1.102000	42.78	56.00	13.22	N	10	32.78
1.630000	43.15	56.00	12.85	N	10	33.15
2.146000	39.84	56.00	16.16	N	10	29.84
4.738000	40.91	56.00	15.09	N	10	30.91

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.346000	35.37	49.06	13.68	L1	10	25.37
0.486000	38.50	46.24	7.73	N	10	28.50
1.114000	32.86	46.00	13.14	N	10	22.86
2.050000	33.77	46.00	12.23	N	10	23.77
2.474000	33.21	46.00	12.79	N	10	23.21
4.654000	31.12	46.00	14.88	N	10	21.12

AC Input Port/ Voltage: 240V/60Hz

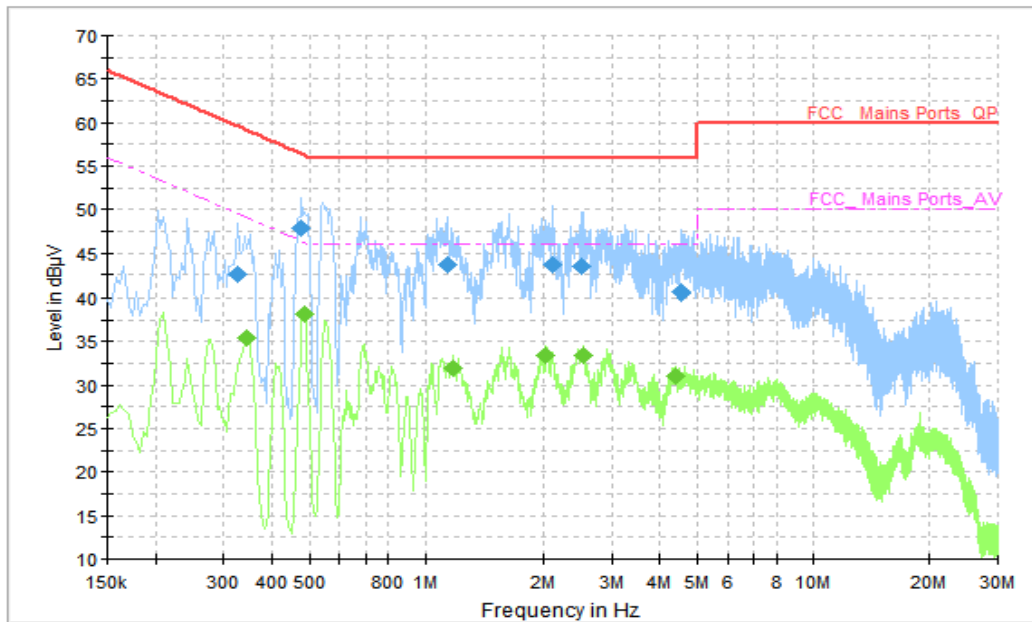


Figure A.2.7 Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.326000	42.61	59.55	16.94	N	10	32.61
0.478000	47.94	56.37	8.43	N	10	37.94
1.138000	43.71	56.00	12.29	N	10	33.71
2.114000	43.73	56.00	12.27	N	10	33.73
2.514000	43.39	56.00	12.61	N	10	33.39
4.562000	40.57	56.00	15.43	N	10	30.57

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.346000	35.42	49.06	13.64	L1	10	25.42
0.486000	38.19	46.24	8.04	N	10	28.19
1.178000	32.04	46.00	13.96	N	10	22.04
2.026000	33.40	46.00	12.60	N	10	23.40
2.530000	33.36	46.00	12.64	N	10	23.36
4.386000	30.97	46.00	15.03	N	10	20.97

AC Input Port/ Voltage: 240V/60Hz

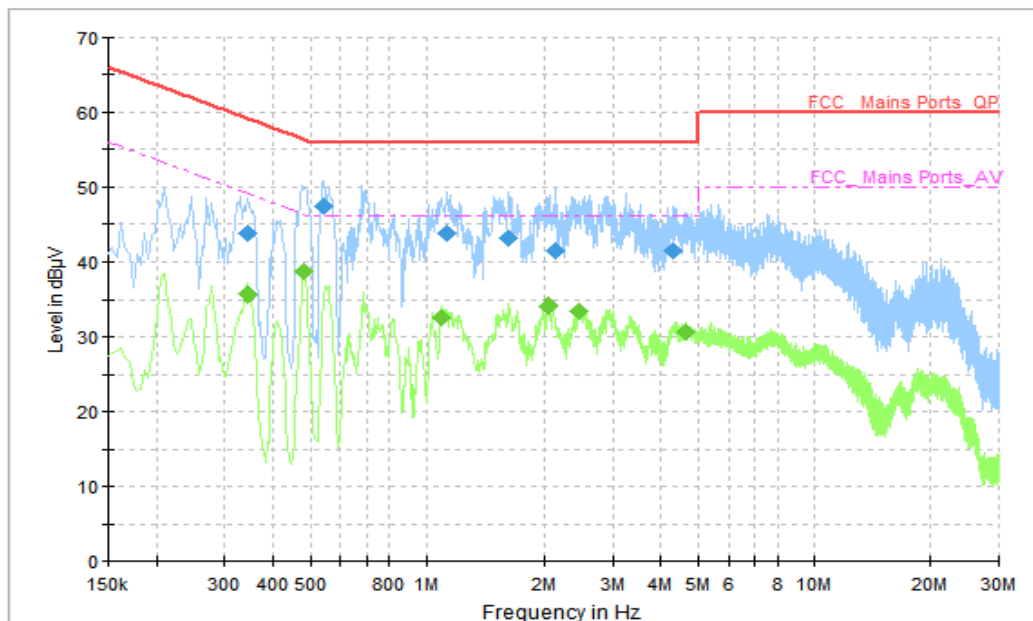


Figure A.2.8 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.346000	43.65	59.06	15.41	N	10	33.65
0.542000	47.30	56.00	8.70	N	10	37.30
1.126000	43.79	56.00	12.21	N	10	33.79
1.618000	43.15	56.00	12.85	N	10	33.15
2.142000	41.48	56.00	14.52	N	10	31.48
4.306000	41.40	56.00	14.60	N	10	31.40

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.346000	35.61	49.06	13.45	N	10	25.61
0.482000	38.68	46.31	7.62	N	10	28.68
1.098000	32.58	46.00	13.42	N	10	22.58
2.038000	34.07	46.00	11.93	N	10	24.07
2.446000	33.59	46.00	12.41	N	10	23.59
4.662000	30.80	46.00	15.20	N	10	20.80

AC Input Port/ Voltage: 240V/60Hz

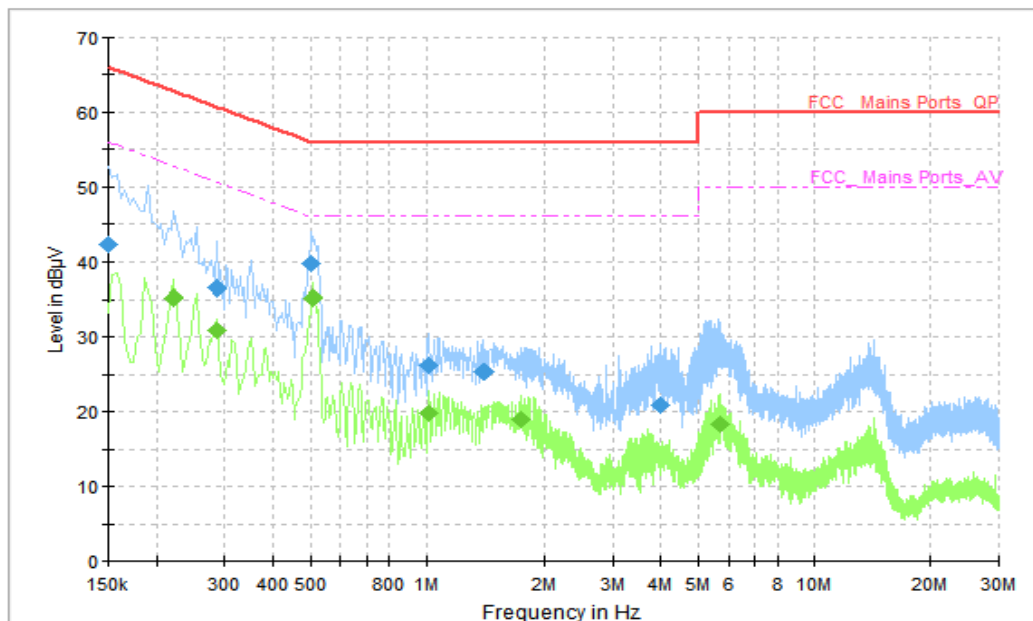


Figure A.2.9 Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.150000	42.32	66.00	23.68	L1	10	32.32
0.286000	36.40	60.64	24.24	N	10	26.40
0.502000	39.80	56.00	16.20	N	10	29.80
1.010000	26.16	56.00	29.84	N	10	16.16
1.394000	25.48	56.00	30.52	N	10	15.48
4.002000	20.87	56.00	35.13	N	10	10.87

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.222000	35.14	52.74	17.61	N	10	25.14
0.286000	31.04	50.64	19.60	N	10	21.04
0.510000	35.17	46.00	10.83	N	10	25.17
1.018000	19.95	46.00	26.05	N	10	9.95
1.738000	18.91	46.00	27.09	N	10	8.91
5.722000	18.46	50.00	31.54	N	10	8.46

AC Input Port/ Voltage: 240V/60Hz

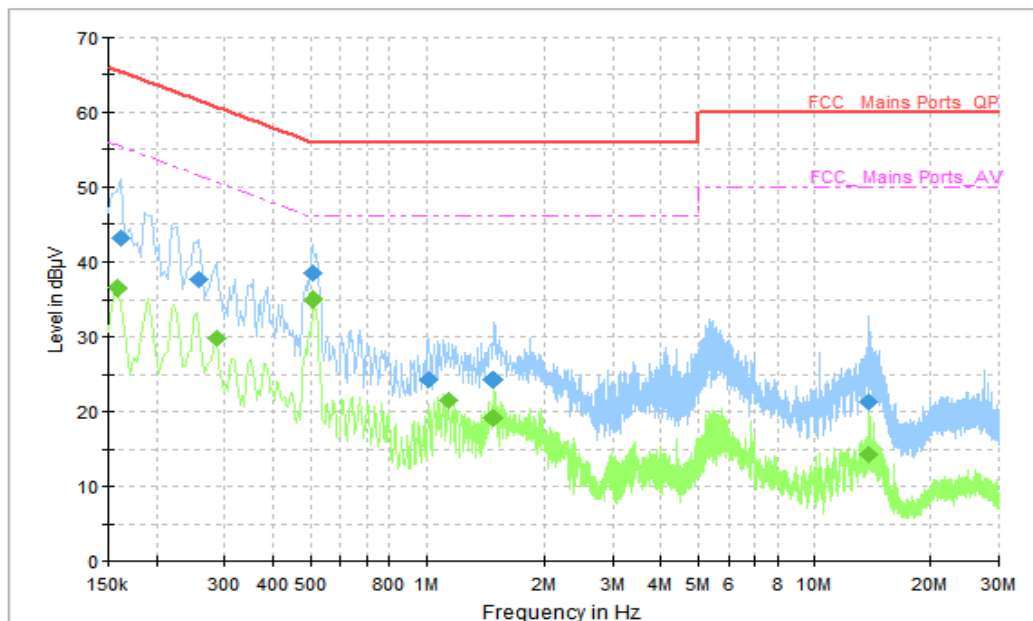


Figure A.2.10 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.162000	43.18	65.36	22.19	L1	10	33.18
0.258000	37.49	61.50	24.00	N	10	27.49
0.506000	38.38	56.00	17.62	N	10	28.38
1.010000	24.30	56.00	31.70	N	10	14.30
1.482000	24.26	56.00	31.74	N	10	14.26
13.786000	21.39	60.00	38.61	L1	10	11.39

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	PMea (dBµV)
0.158000	36.58	55.57	18.99	N	10	26.58
0.286000	29.88	50.64	20.76	N	10	19.88
0.510000	35.01	46.00	10.99	N	10	25.01
1.142000	21.59	46.00	24.41	N	10	11.59
1.474000	19.14	46.00	26.86	N	10	9.14
13.786000	14.32	50.00	35.68	L1	10	4.32

END OF REPORT