TEST REPORT

No.I20N00391-EMC

for

TCL Communication Ltd.

LTE/UMTS/GSM Smartphone

Model Name: 5030J/5130J

With

Hardware Version: FS180-MB-V0.2

Software Version: 5030J_OFAR_1SIM_V1.4_20200331_UNLOCK

FCC ID: 2ACCJB118

Issued Date:2020-04-22

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 518026.

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

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

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I20N00391-EMC	Rev.0	1st edition	2020-04-10
I20N00391-EMC	Rev.1	Adding the GSM850MHz, WCDMA Band 5 receiver radiated emission results	2020-04-22

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

©Copyright. All rights reserved by SAICT.

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. CLIENTINFORMATION 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 7
3.5. GENERAL DESCRIPTION 7
4. REFERENCE DOCUMENTS 8
4.1. REFERENCE DOCUMENTS FOR TESTING 8
5. LABORATORY ENVIRONMENT 9
6. SUMMARY OF TEST RESULTS 10
6.1. TESTING ENVIRONMENT 10
6.2. SUMMARY OF MEASUREMENT RESULTS 10
6.3. STATEMENT 10
7. MEASUREMENT UNCERTAINTY 11
8. TEST FACILITIES UTILIZED 11
ANNEX A: MEASUREMENT RESULTS 12
A.1 RADIATED EMISSION (§15.109(A)) 12
B.2 CONDUCTED EMISSION (§15.107(A)) 51

©Copyright. All rights reserved by SAICT.

1. Summary of Test Report

1.1. Test Items

Description	LTE/UMTS/GSM Smartphone
Model Name	5030J/5130J
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

FCC Part 15, Subpart B 10-1-2019 Edition; ANSI C63.4 2014

1.3. Test Result

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, China

1.5. Project data

Testing Start Date: 2020-03-12 Testing End Date: 2020-04-22

1.6. Signature

Liang Yong
(Prepared this test report)

Zhang Yunzhuan
(Reviewed this test report)

Cao Junfei
(Approved this test report)

©Copyright. All rights reserved by SAICT.

2. ClientInformation

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	0086-755-3661200-81722

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	0086-755-3661200-81722

©Copyright. All rights reserved by SAICT.

3. Equipment UnderTest (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	LTE/UMTS/GSM Smartphone
Model Name	5030J/5130J
FCC ID	2ACCJB118
Antenna Type	Internal Antenna
Bands	GSM850/1900,WCDMA Band 2/4/5,LTE Band 2/4/7
Functions	FM,2.4G Wi-Fi, Bluetooth
Condition of EUT as received	No obvious damage in appearance

Note: Photographs of EUT are shown in ANNEX A of this test report. 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
UT04aa	354827110000187	FS180-MB-V0.2	5030J_OFAR_1SIM_V1.4_20200331_UNLOCK	2020-03-12
UT02aa	354827110000195	FS180-MB-V0.2	5030J_OFAR_1SIM_V1.4_20200331_UNLOCK	2020-03-12

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

3.3. Internal Identification of AE

AE ID*	Description
AE1	LI-Polymer Battery
AE2	Normal Charger
AE3	Data Cable
AE4	Stereo Earphone

AE1-1

Model	TLp038D7
SN	CAC3860025C7
Manufacturer	VENKE
Capacity	4000mAh
Nominal Voltage	3.85V

AE1-2

Model	TLp038DA
SN	CAC3860032CA
Manufacturer	TIANMAO
Capacity	4000mAh

©Copyright. All rights reserved by SAICT.

Nominal Voltage 3.85V

AE2-1

Model UC13US/CBA0059AGAC7

Manufacturer CHENYANG

AE2-2

Model UC13US/CBA0059AGAC5

Manufacturer PUAN

AE3-1

Model CDA0000024C2

Manufacturer JUWEI

AE3-2

Model CDA0000024C8

Manufacturer PUAN

AE4-1

Model WH15/CCB0046A10C1

Manufacturer JUWEI

AE4-2

Model WH15/CCB0046A10C4

Manufacturer MEIHAO

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

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	UT02aa+AE1-2+AE2-1+AE3-1+AE4-1	Charging Mode
Set.2	UT04aa+AE1-1+AE2-2+AE3-2+AE4-2	Charging Mode
Set.3	UT02aa+AE1-2+AE3-1+AE4-1+PC	Data Transfer Mode
Set.4	UT04aa+AE1-1+AE3-2+AE4-2+PC	Data Transfer Mode

3.5. General Description

The Equipment Under Test (EUT) is a model of LTE/UMTS/GSM Smartphone with internal antenna.

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.

Note1: LTE/UMTS/GSM Smartphone 5130J manufactured by TCL Communication Ltd.is a variant model based on 5030J for conformance test. According to client's description, the table below shows the difference between model 5130J and 5030J:

Changes	5130J	5030J
Brand Name	TCL	Alcatel

Note 2: According to the declaration of differences by manufacturer, the two model data are shared.

©Copyright. All rights reserved by SAICT.

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

©Copyright. All rights reserved by SAICT.

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. = 30 ℃
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

©Copyright. All rights reserved by SAICT.

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 rules	Section in this report	Verdict
1	Radiated Emission	15.109(a)	A.1	P
2	Conducted Emission	15.107(a)	B.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.

©Copyright. All rights reserved by SAICT.

7. Measurement uncertainty

Test item	Frequency ranges	Measurement uncertaint
Radiated Emission	30MHz-1GHz	4.90dB(k=2)
	1GHz-18GHz	4.60dB(k=2)
Conducted Emission	150kHz-30MHz	3.00dB(k=2)

8. Test Facilities Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CALDUE DATE	CAL PERIOD
1.	Test Receiver	ESR7	101676	R&S	2020.11.27	1 year
2.	Test Receiver	ESCI	100702	R&S	2021.01.14	1 year
3.	Spectrum Analyzer	FSV40	101192	R&S	2021.01.14	1 year
4.	BiLog Antenna	3142E	00224831	ETS-Lindgren	2021.05.17	3 years
5.	LISN	ENV216	102067	R&S	2020.07.17	1 year
6.	Horn Antenna	3117	00066577	ETS-Lindgren	2022.04.02	3 years
7.	Universal Radio Communication Tester	CMU200	114545	R&S	2021.01.14	1 year
8.	Chamber	FACT3-2.0	1285	ETS-Lindgren	2021.07.19	2 years
9.	Software	EMC32	V10.01.00	R&S	/	/
10.	PC	ThinkPad T480	PF-13LW0C	Lenovo	/	/
11.	Printer	P1008	VNF6C12491	HP	/	/
12.	Mouse	MOEUUOA	44NY517	Lenovo	/	/

©Copyright. All rights reserved by SAICT.

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:

Charging Mode/ FM receiver Mode: The FM receiver function is on. The EUT is connected to a charger.

Charging Mode/ Camera Mode: 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.

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

Data transfer Mode: The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C. 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.

Charging Mode: The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, are investigated. The EUT is connected to a charger. Only the worst case emissions are reported.

A.1.3 Measurement Limit

Limit from CFR 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.

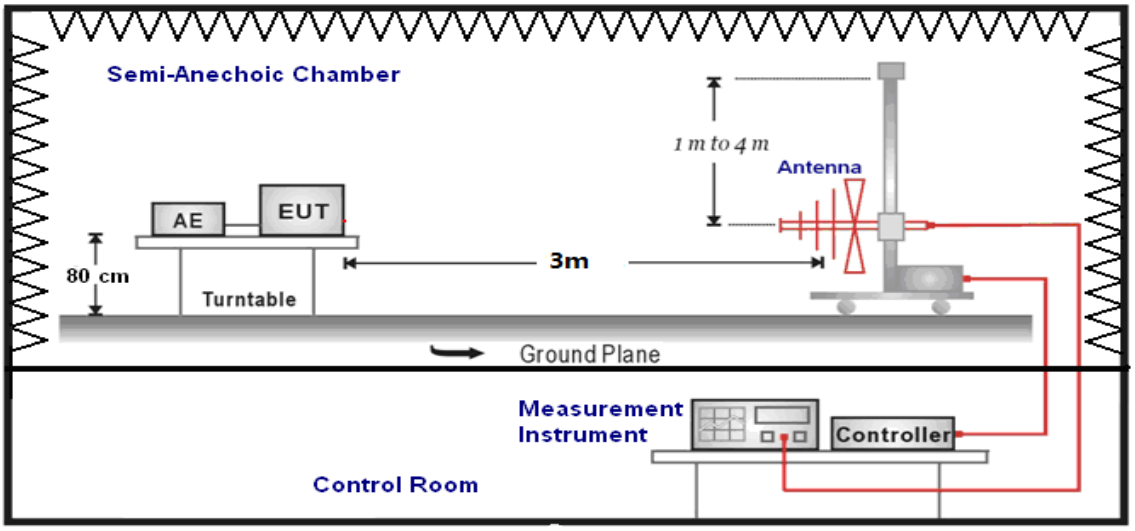
©Copyright. All rights reserved by SAICT.

A.1.4 Test Condition

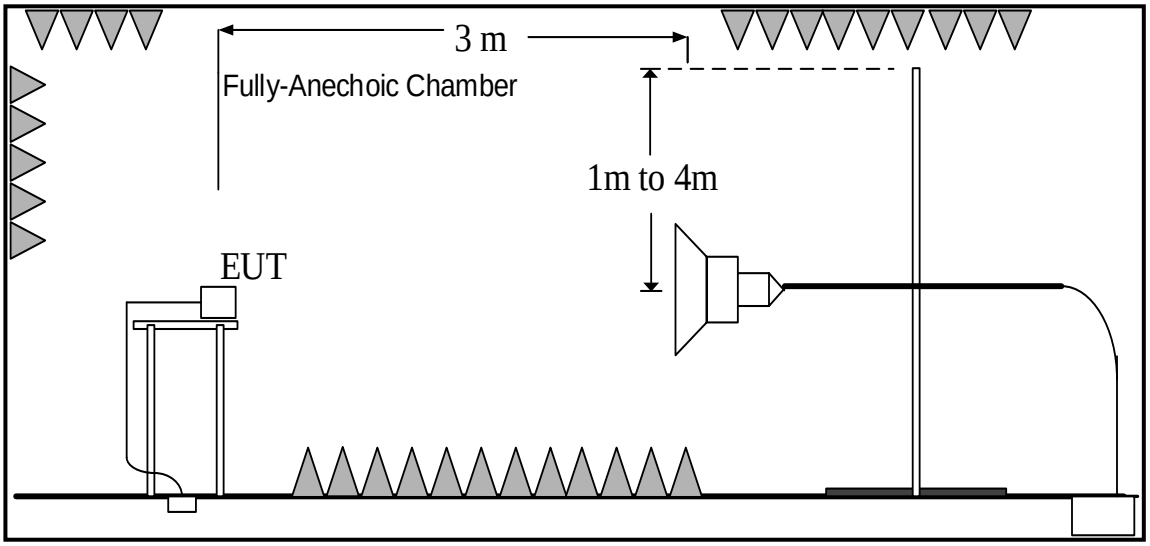
Frequency of emission (MHz)	RBW/VBW	Sweep Time(s)
30-1000	120kHz (IF bandwidth)	5
Above 1000	1MHz/3MHz	15

A.1.5 Test set-up:

30MHz-1GHz



1GHz-18GHz



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

©Copyright. All rights reserved by SAICT.

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

Charging Mode/Camera Mode

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m)	Conclusion
		Set.1	
30-88	40	See Figure A.1	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m)	Conclusion
			Set.1	
1000 to 3000	54	74	See Figure A.2	P
3000 to 18000			See Figure A.3	P

Charging Mode/Video Player Mode

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m)	Conclusion
		Set.1	
30-88	40	See Figure A.4	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m)	Conclusion
			Set.1	
1000 to 3000	54	74	See Figure A.5	P
3000 to 18000			See Figure A.6	P

©Copyright. All rights reserved by SAICT.

Charging Mode/FM Mode

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.7	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
1000 to 3000	54	74	See Figure A.8	P
3000 to 18000			See Figure A.9	P

Charging Mode/ GSM850MHz idle

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.10	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
1000 to 3000	54	74	See Figure A.11	P
3000 to 18000			See Figure A.12	P

Charging Mode/ WCDMA Band 5 idle

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.13	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
1000 to 3000	54	74	See Figure A.14	P
3000 to 18000			See Figure A.15	P

©Copyright. All rights reserved by SAICT.

Charging Mode/Video Player Mode

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.2	Conclusion
30-88	40	See Figure A.16	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.2	Conclusion
1000 to 3000	54	74	See Figure A.17	P
3000 to 18000			See Figure A.18	P

Data Transfer Mode/PC to EUT

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
30-88	40	See Figure A.19	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
1000 to 3000	54	74	See Figure A.20	P
3000 to 18000			See Figure A.21	P

Data Transfer Mode/EUT to PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
30-88	40	See Figure A.22	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
1000 to 3000	54	74	See Figure A.23	P
3000 to 18000			See Figure A.24	P

©Copyright. All rights reserved by SAICT.

Data Transfer Mode/PC to TF Card

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
30-88	40	See Figure A.25	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
1000 to 3000	54	74	See Figure A.26	P
3000 to 18000			See Figure A.27	P

Data Transfer Mode/ TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
30-88	40	See Figure A.28	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
1000 to 3000	54	74	See Figure A.29	P
3000 to 18000			See Figure A.30	P

Data Transfer Mode/ TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.4	Conclusion
30-88	40	See Figure A.31	P
88-216	44		
216-960	46		
960-1000	54		

Frequency range (MHz)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)	Result (dBμV/m) Set.4	Conclusion
1000 to 3000	54	74	See Figure A.32	P
3000 to 18000			See Figure A.33	P

©Copyright. All rights reserved by SAICT.

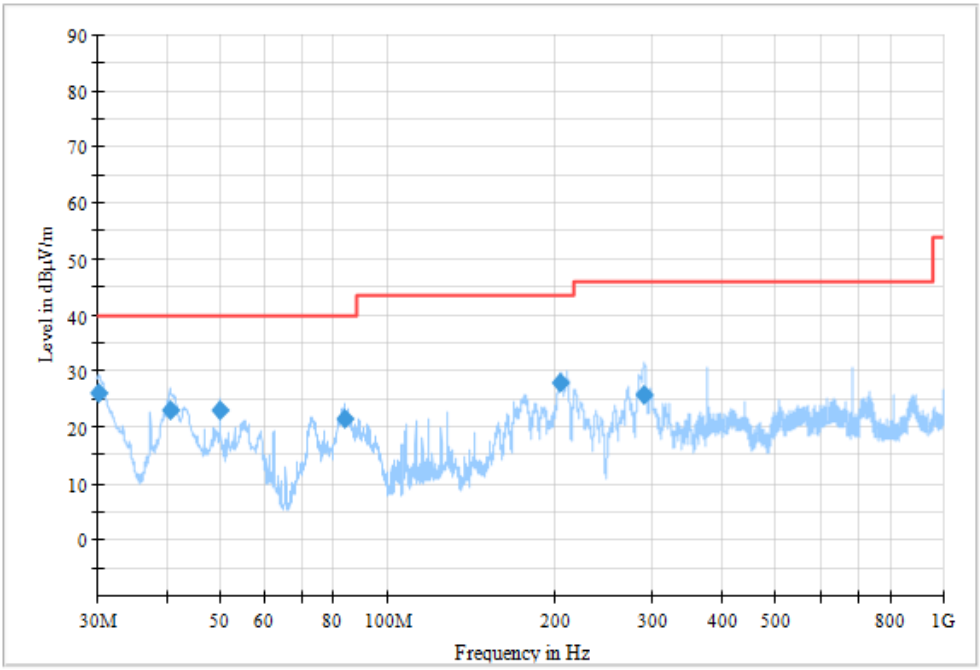


Figure A.1 Radiated Emission (Set.1,Charging Mode/Camera Mode, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.2	26.13	40	13.87	V	-24.4	50.53
40.636111	23.11	40	16.89	V	-29.7	52.81
50.012778	23.06	40	16.94	V	-36.6	59.66
83.507222	21.38	40	18.62	V	-33.5	54.88
204.515556	27.96	43.5	15.54	H	-33.1	61.06
289.66	25.89	46	20.11	H	-29.6	55.49

©Copyright. All rights reserved by SAICT.

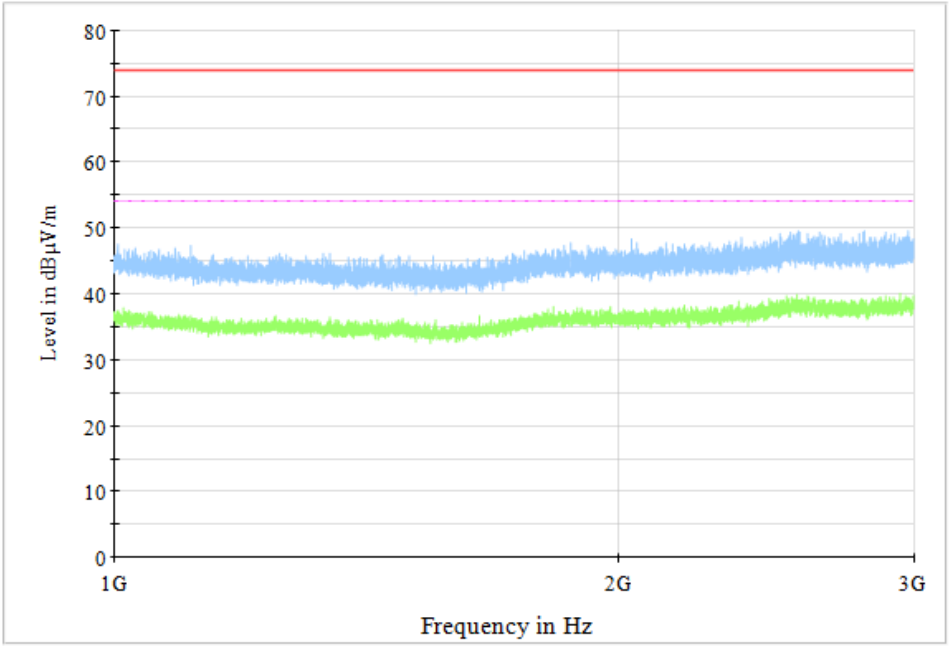


Figure A.2 Radiated Emission (Set.1, Charging Mode/Camera Mode, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

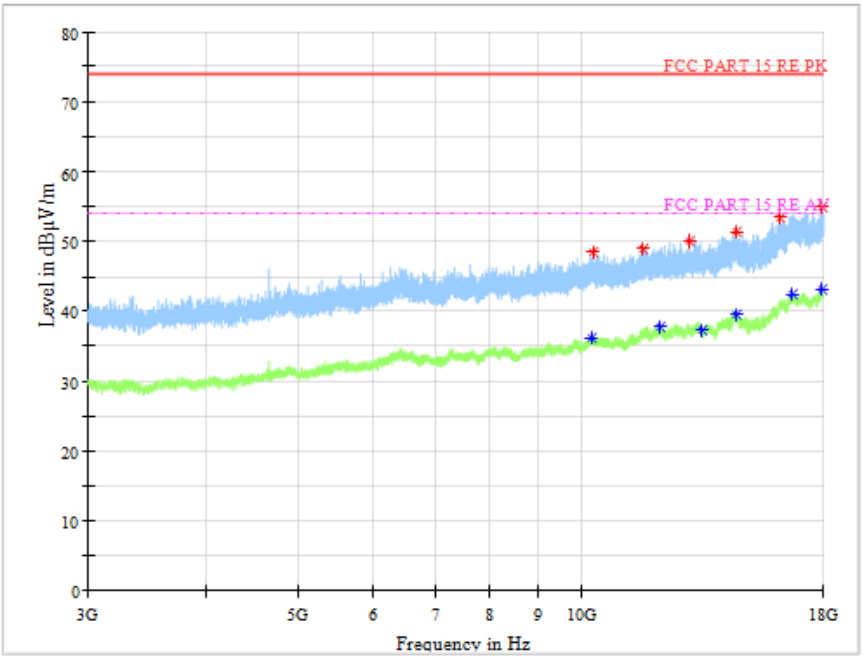


Figure A.3 Radiated Emission (Set.1, Charging Mode/Camera Mode , 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10277	48.41	74	25.59	H	5.1	43.31
11581.5	49.01	74	24.99	V	6.6	42.41
12972.5	50.09	74	23.91	V	8.4	41.69
14570	51.41	74	22.59	H	11.4	40.01
16187	53.35	74	20.65	V	14.4	38.95
17919.5	54.89	74	19.11	H	16.2	38.69

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10205.5	36.23	54	17.77	H	5.1	31.13
12081	37.72	54	16.28	V	7.4	30.32
13404.5	37.38	54	16.62	V	8.4	28.98
14532.5	39.63	54	14.37	H	11.4	28.23
16666.5	42.38	54	11.62	H	14.9	27.48
17911	43.07	54	10.93	H	16.3	26.77

©Copyright. All rights reserved by SAICT.

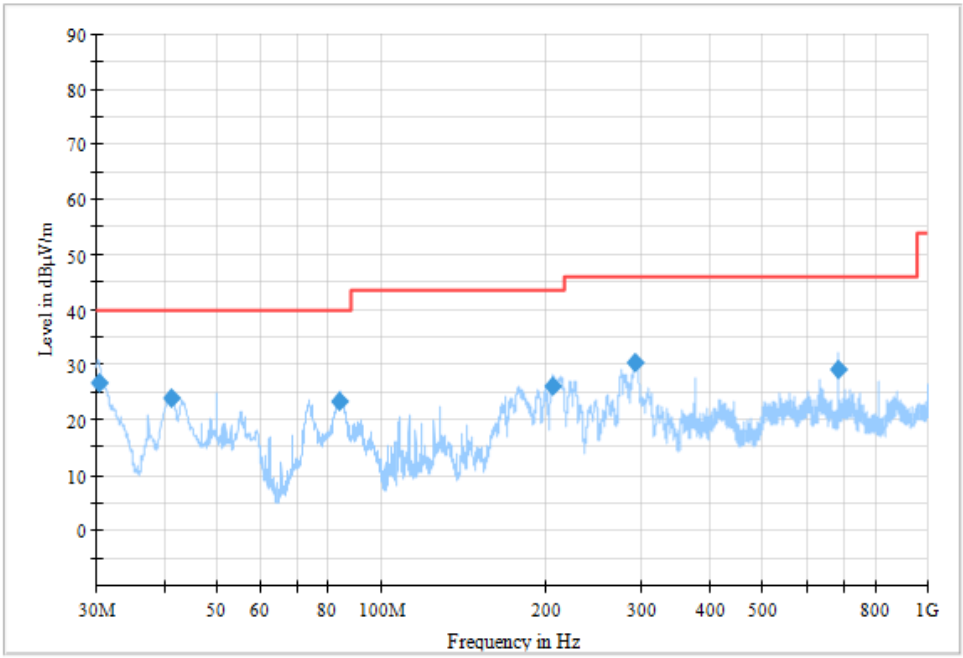


Figure A.4 Radiated Emission (Set.1, Charging Mode/Video Player Mode, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.36	26.6	40	13.4	V	-24.5	51.1
41.145556	23.9	40	16.1	V	-29.9	53.8
83.870556	23.32	40	16.68	V	-33.5	56.82
206.733889	26.2	43.5	17.3	H	-33	59.2
292.408333	30.39	46	15.61	H	-29.6	59.99
687.532222	29.22	46	16.78	V	-19.9	49.12

©Copyright. All rights reserved by SAICT.

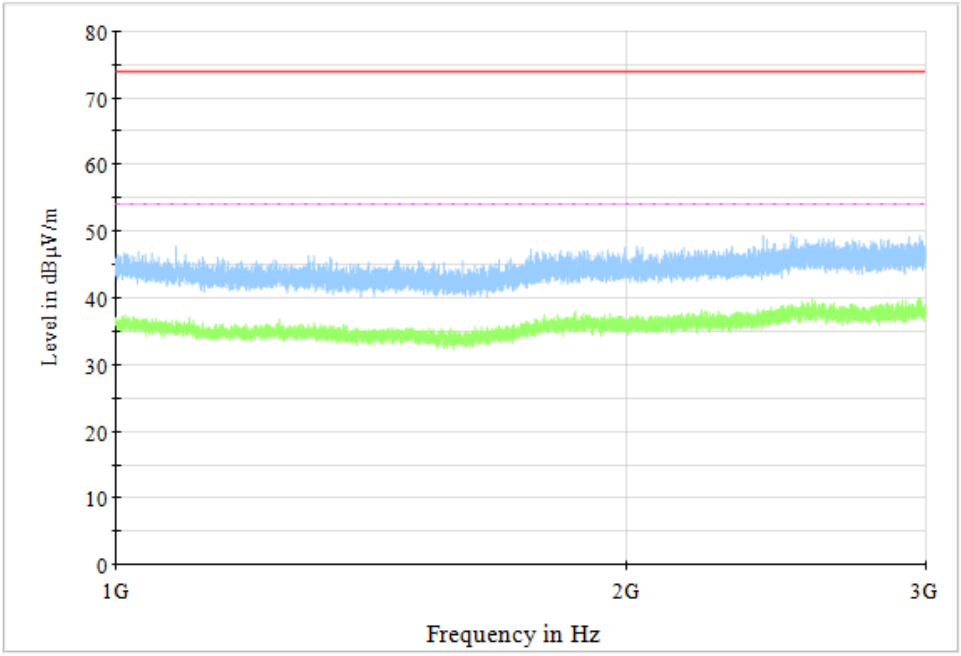


Figure A.5 Radiated Emission (Set.1, Charging Mode/Video Player Mode, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

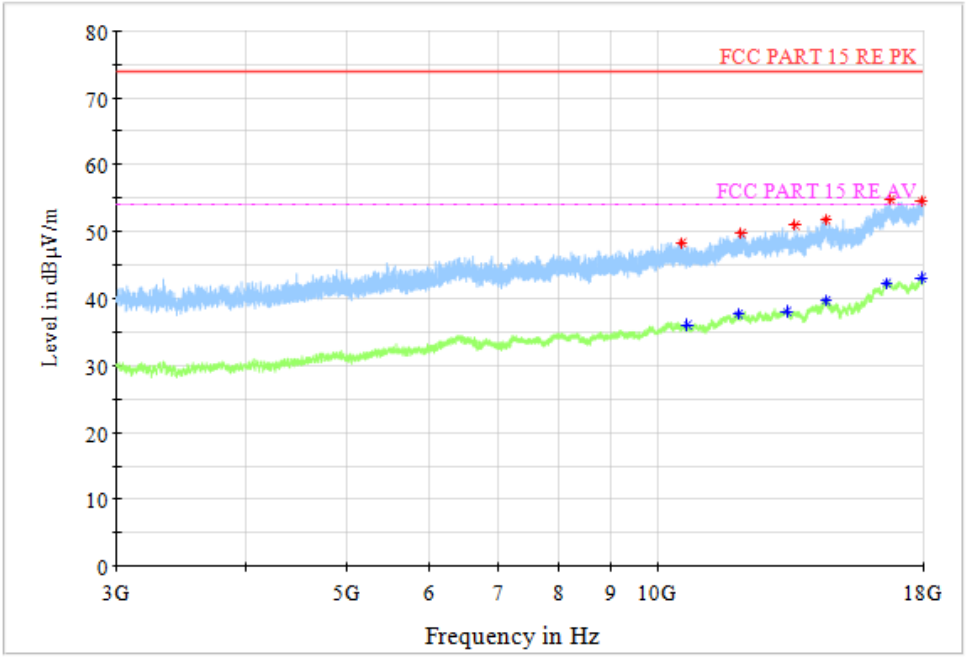


Figure A.6 Radiated Emission (Set.1, Charging Mode/Video Player Mode, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10522.5	48.35	74	25.65	V	5	43.35
12024.5	49.73	74	24.27	H	7.2	42.53
13539	50.89	74	23.11	V	8.7	42.19
14502	51.71	74	22.29	V	11.5	40.21
16738	54.85	74	19.15	H	14.9	39.95
17928.5	54.7	74	19.3	V	16.1	38.6

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10670	36.04	54	17.96	H	4.9	31.14
11931	37.68	54	16.32	V	7	30.68
13287.5	38.15	54	15.85	H	8.9	29.25
14524	39.78	54	14.22	V	11.5	28.28
16610	42.36	54	11.64	H	14.8	27.56
17921.5	43.06	54	10.94	H	16.2	26.86

©Copyright. All rights reserved by SAICT.

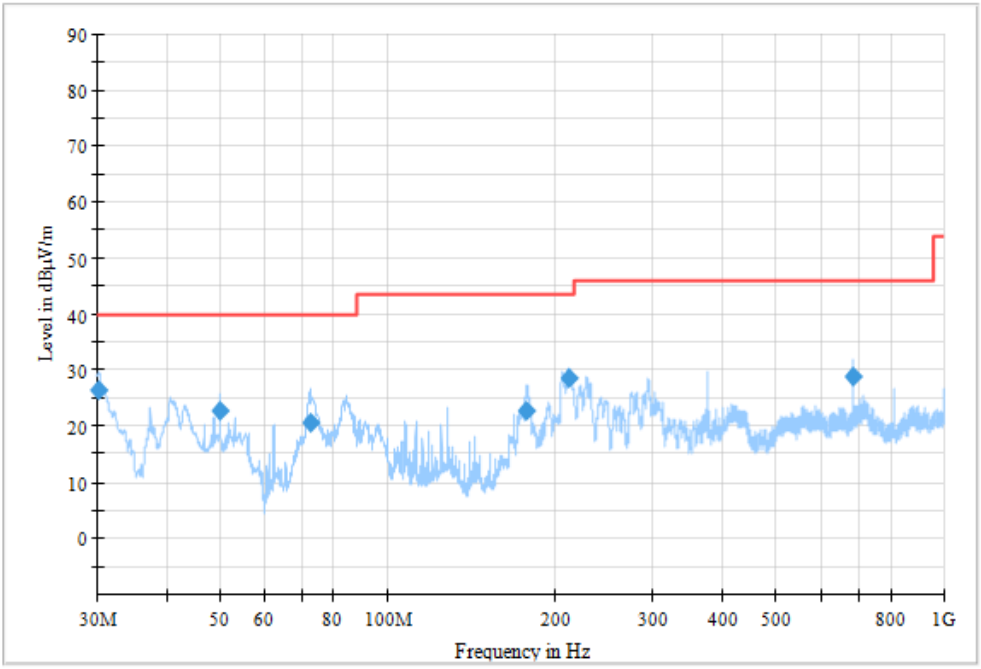


Figure A.7 Radiated Emission (Set.1, Charging Mode/FM Mode, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.24	26.42	40	13.58	V	-24.4	50.82
50.012778	22.83	40	17.17	V	-36.6	59.43
72.806111	20.65	40	19.35	V	-33.9	54.55
177.543333	22.82	43.5	20.68	H	-32.5	55.32
212.113889	28.49	43.5	15.01	H	-32.7	61.19
687.518333	28.69	46	17.31	V	-19.9	48.59

©Copyright. All rights reserved by SAICT.

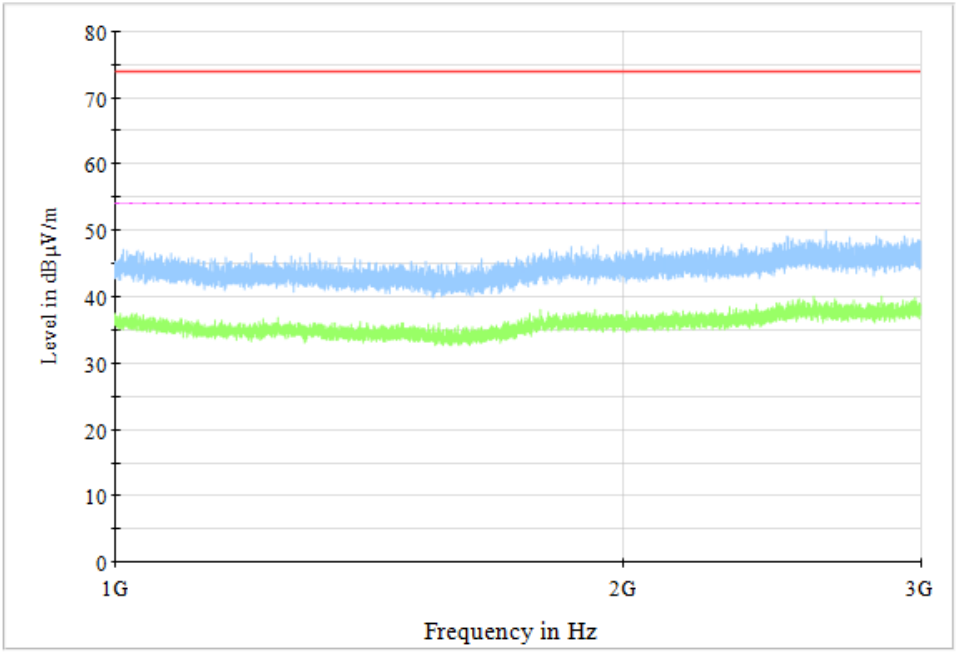


Figure A.8 Radiated Emission (Set.1, Charging Mode/FM Mode, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

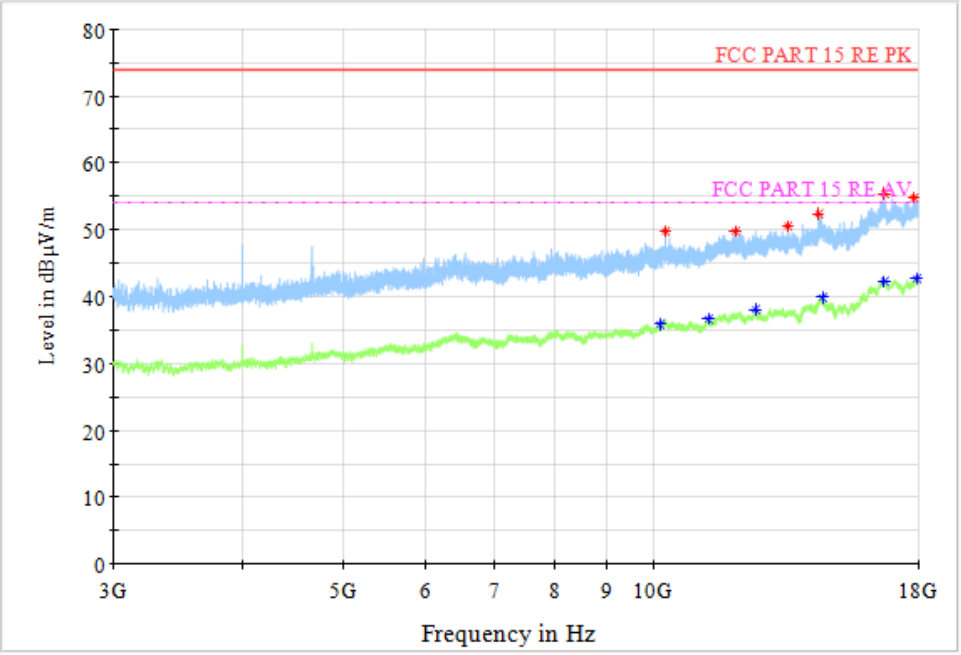


Figure A.9 Radiated Emission (Set.1, Charging Mode/FM Mode, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10258	49.81	74	24.19	V	5.2	44.61
11983	49.84	74	24.16	V	7.1	42.74
13475.5	50.68	74	23.32	H	8.6	42.08
14422.5	52.34	74	21.66	V	11	41.34
16709.5	55.35	74	18.65	H	14.9	40.45
17828.5	54.73	74	19.27	H	16.2	38.53

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10130.5	35.77	54	18.23	V	5.1	30.67
11278	36.71	54	17.29	H	5.5	31.21
12539	38.15	54	15.85	H	8	30.15
14539	39.84	54	14.16	H	11.4	28.44
16697.5	42.37	54	11.63	H	14.9	27.47
17944.5	42.78	54	11.22	H	16	26.78

©Copyright. All rights reserved by SAICT.

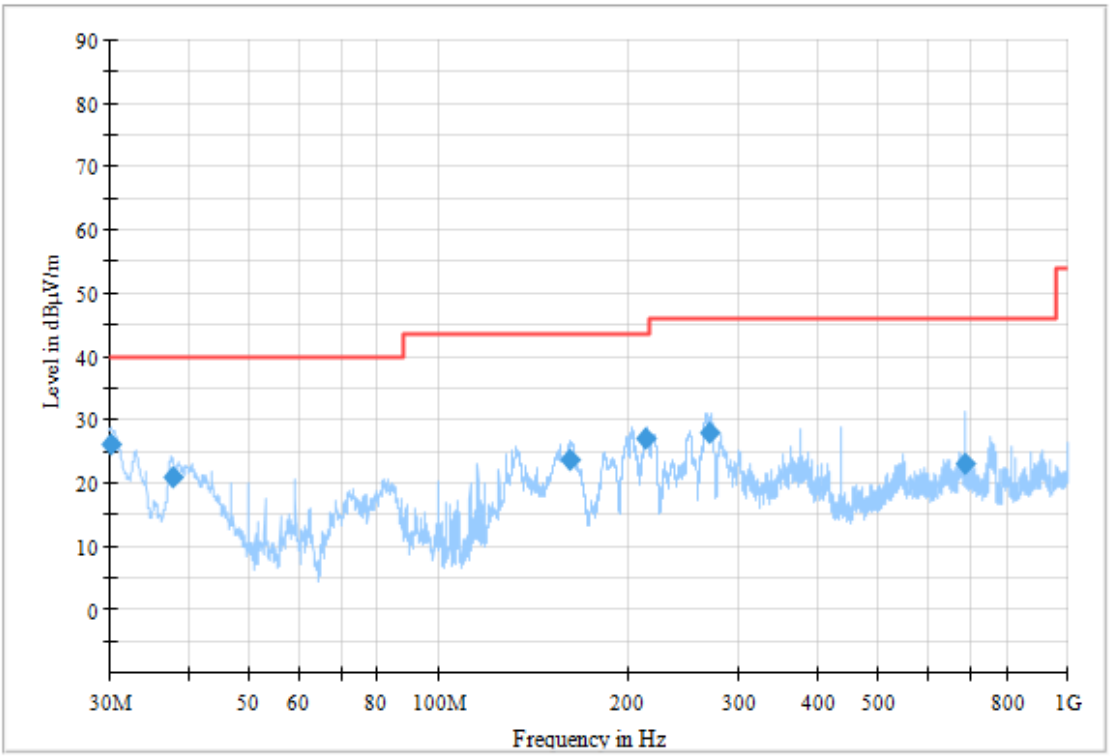


Figure A.10 Radiated Emission (Set.1, Charging Mode/GSM850MHz idle, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.12	26	40	14	V	-24.3	50.3
37.846111	20.89	40	19.11	V	-28.3	49.19
162.169444	23.61	43.5	19.89	H	-33.4	57.01
214.04	26.99	43.5	16.51	H	-32.5	59.49
270.583333	27.99	46	18.01	H	-30.6	58.59
687.518333	23.17	46	22.83	V	-19.9	43.07

©Copyright. All rights reserved by SAICT.

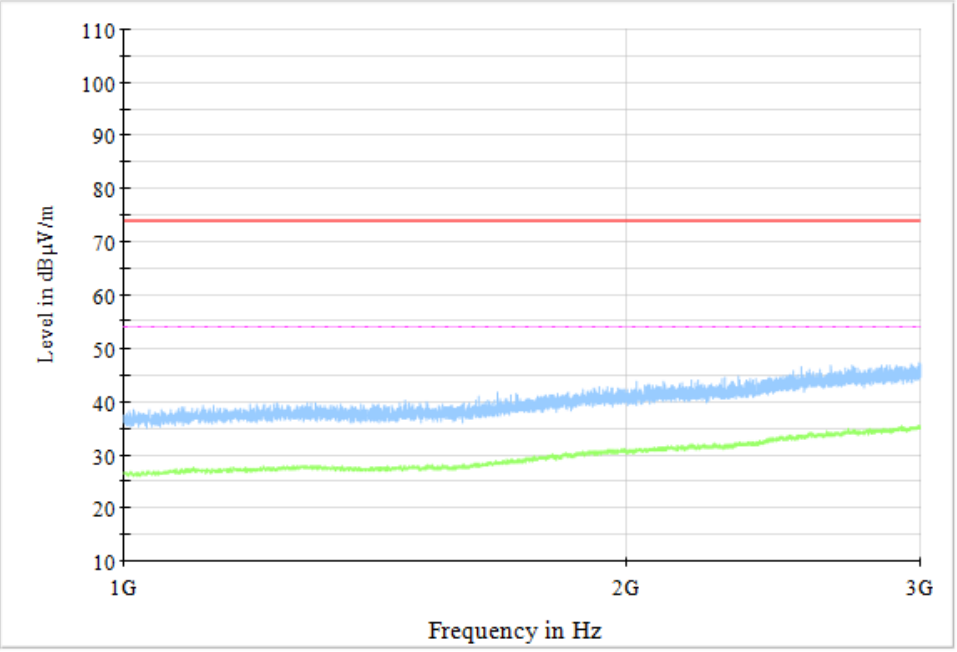


Figure A.11 Radiated Emission (Set.1, Charging Mode/ GSM850MHz idle, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

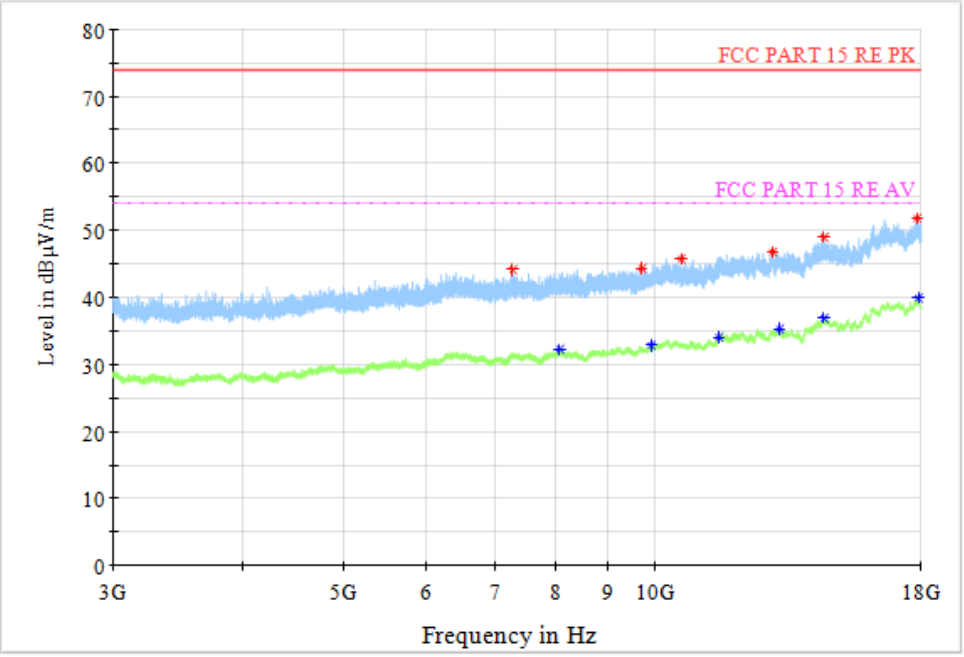


Figure A.12 Radiated Emission (Set.1, Charging Mode/ GSM850MHz idle, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
7269.5	44.21	74	29.79	H	2.1	42.11
9697	44.36	74	29.64	V	3.9	40.46
10568.5	45.82	74	28.18	V	5	40.82
12961	46.78	74	27.22	H	8.5	38.28
14495.5	48.88	74	25.12	V	11.4	37.48
17821.5	51.85	74	22.15	H	16.2	35.65

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8065.5	32.23	54	21.77	H	2.8	29.43
9888	32.75	54	21.25	H	4.5	28.25
11485	33.98	54	20.02	H	5.9	28.08
13133.5	35.25	54	18.75	H	8.5	26.75
14508	36.87	54	17.13	V	11.5	25.37
17889	39.82	54	14.18	H	16.2	23.62

©Copyright. All rights reserved by SAICT.

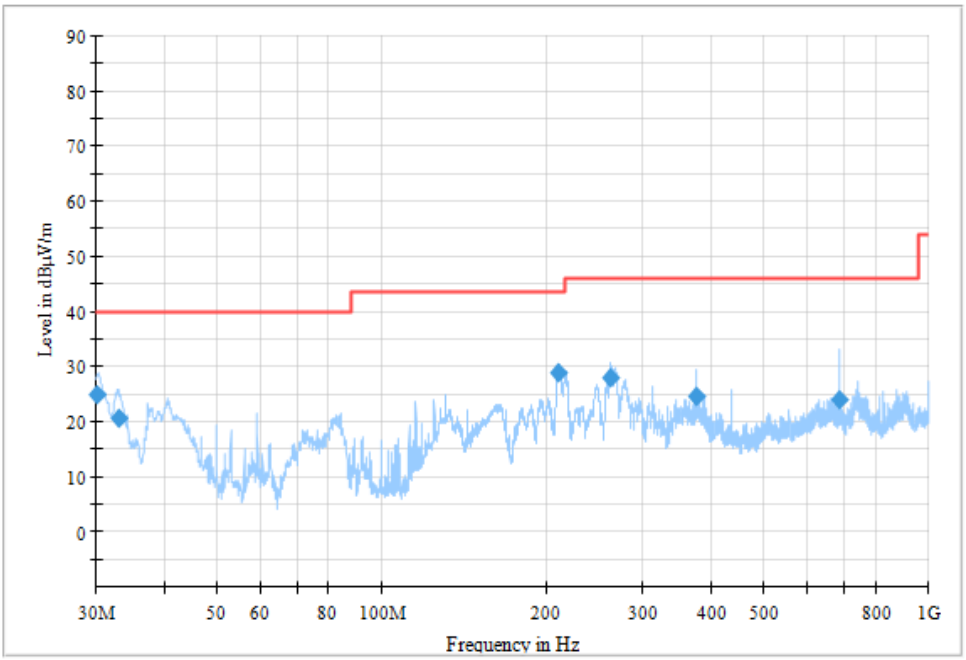


Figure A.13 Radiated Emission (Set.1, Charging Mode/ WCDMA Band 5 idle, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.143333	24.76	40	15.24	V	-24.3	49.06
33.183889	20.56	40	19.44	V	-26.1	46.66
210.735556	28.71	43.5	14.79	H	-32.8	61.51
261.851667	27.77	46	18.23	H	-30.8	58.57
375.016667	24.46	46	21.54	V	-26.8	51.26
687.518333	23.99	46	22.01	V	-19.9	43.89

©Copyright. All rights reserved by SAICT.

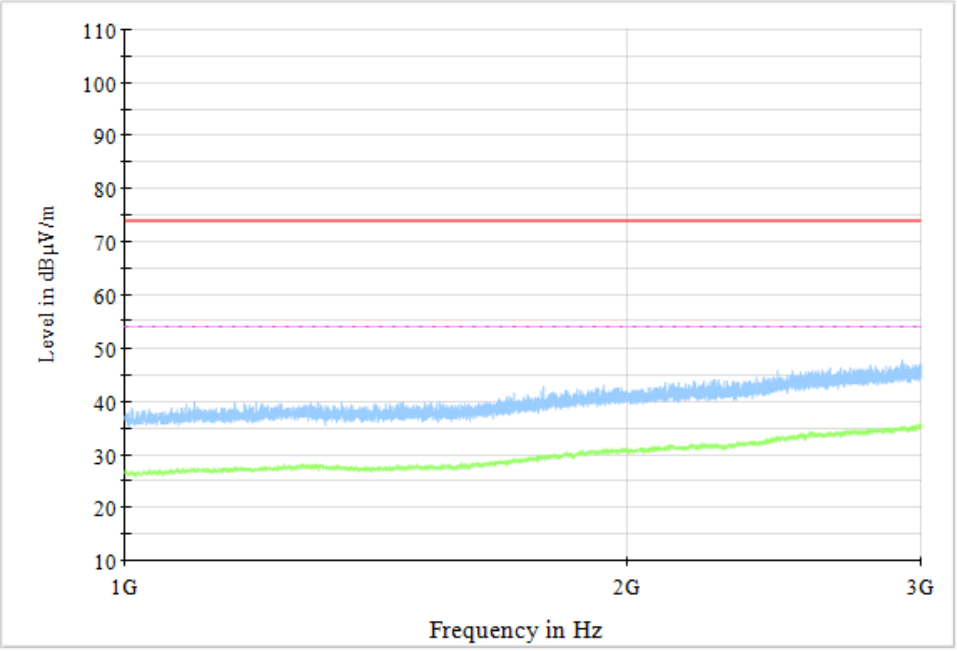


Figure A.14 Radiated Emission (Set.1, Charging Mode/ WCDMA Band 5 idle, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

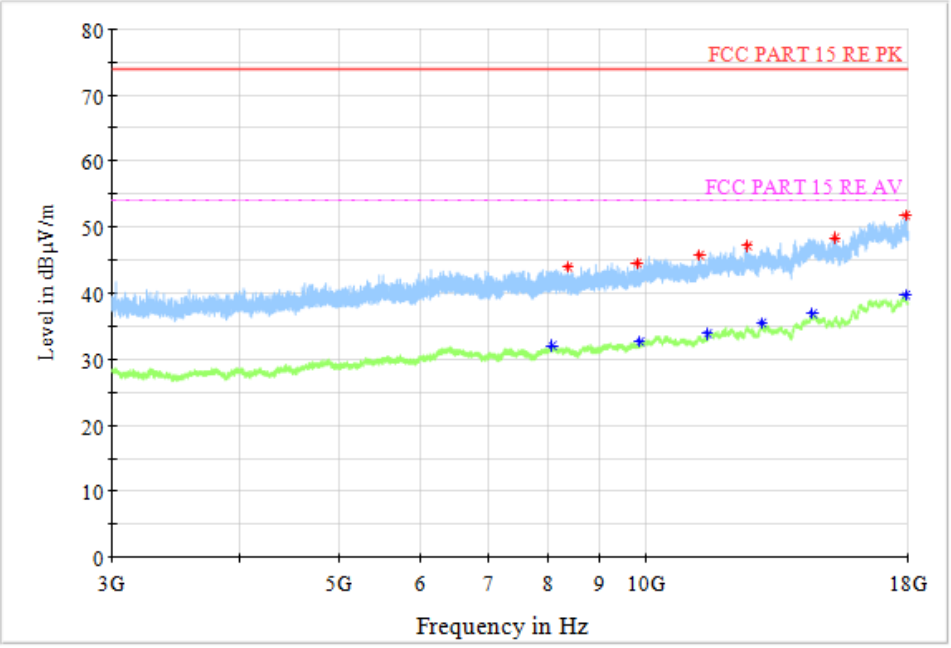


Figure A.15 Radiated Emission (Set.1, Charging Mode/ WCDMA Band 5 idle, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8375	43.94	74	30.06	H	3	49.06
9775	44.54	74	29.46	H	4.1	46.66
11267.5	45.78	74	28.22	H	5.5	61.51
12543	47.1	74	26.9	H	8.1	58.57
15249.5	48.43	74	25.57	V	11.2	51.26
17887.5	51.7	74	22.3	V	16.2	43.89

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8065	32.03	54	21.97	V	2.8	49.06
9832	32.63	54	21.37	H	4.5	46.66
11470	33.85	54	20.15	V	5.8	61.51
12939	35.4	54	18.6	H	8.6	58.57
14509	36.87	54	17.13	H	11.5	51.26
17875	39.67	54	14.33	V	16.3	43.89

©Copyright. All rights reserved by SAICT.

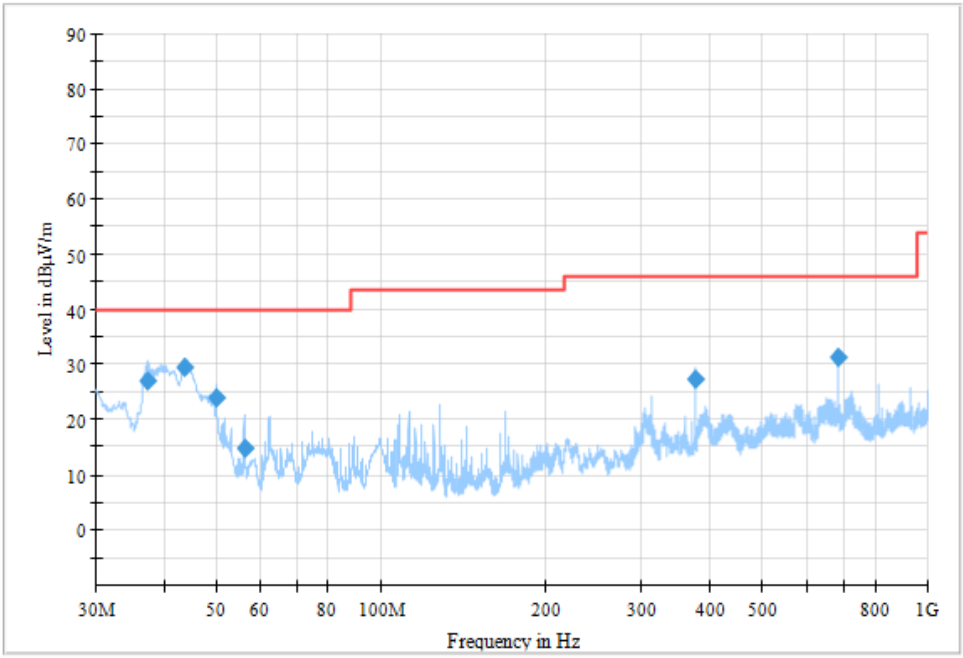


Figure A.16 Radiated Emission (Set.2, Charging Mode/Video Player Mode, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
37.270556	27.15	40	12.85	V	-27.9	55.05
43.789444	29.48	40	10.52	V	-31.9	61.38
49.998889	23.92	40	16.08	V	-36.6	60.52
56.25	14.62	40	25.38	V	-38.4	53.02
375.016667	27.27	46	18.73	V	-26.8	54.07
687.532222	31.18	46	14.82	V	-19.9	51.08

©Copyright. All rights reserved by SAICT.

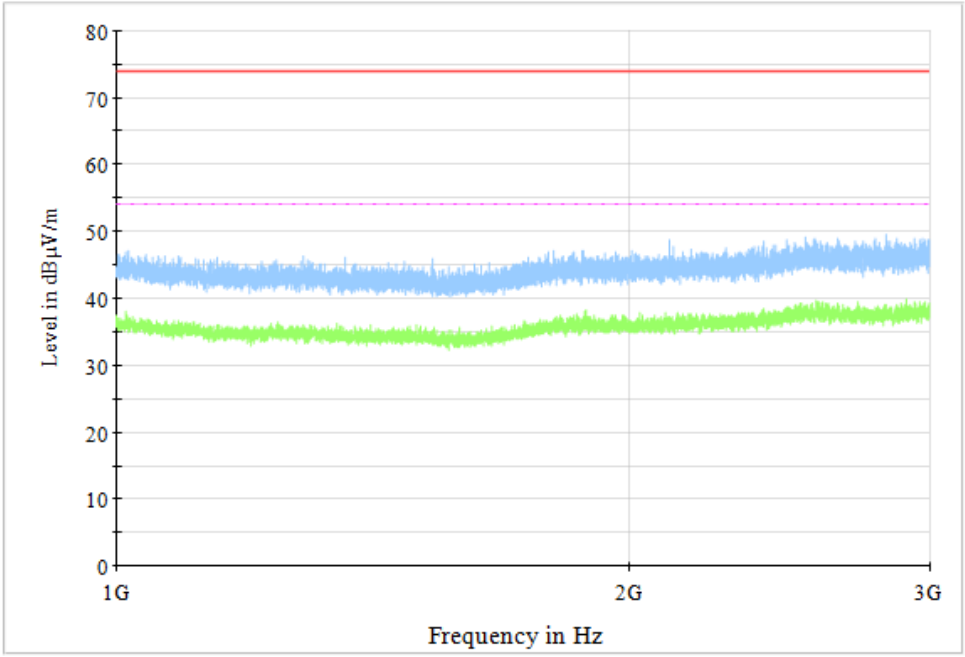


Figure A.17 Radiated Emission (Set.2, Charging Mode/Video Player Mode, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

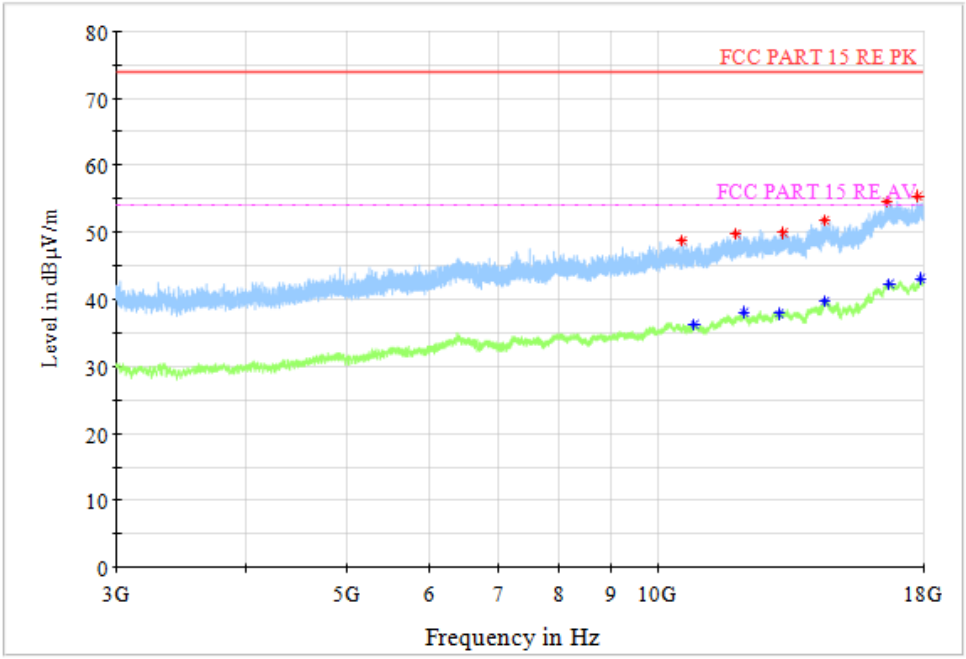


Figure A.18 Radiated Emission (Set.2, Charging Mode/Video Player Mode, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10546	48.8	74	25.2	V	5	43.8
11877.5	49.73	74	24.27	H	6.7	43.03
13182.5	49.93	74	24.07	V	8.6	41.33
14453	51.71	74	22.29	V	11.1	40.61
16610.5	54.58	74	19.42	H	14.8	39.78
17772	55.39	74	18.61	V	16.2	39.19

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10829.5	36.23	54	17.77	H	5.3	30.93
12081	38.06	54	15.95	H	7.4	30.66
13076	37.94	54	16.06	H	8.4	29.54
14453	39.77	54	14.23	H	11.1	28.67
16698	42.38	54	11.62	V	14.9	27.48
17913.5	43.04	54	10.96	V	16.3	26.74

©Copyright. All rights reserved by SAICT.

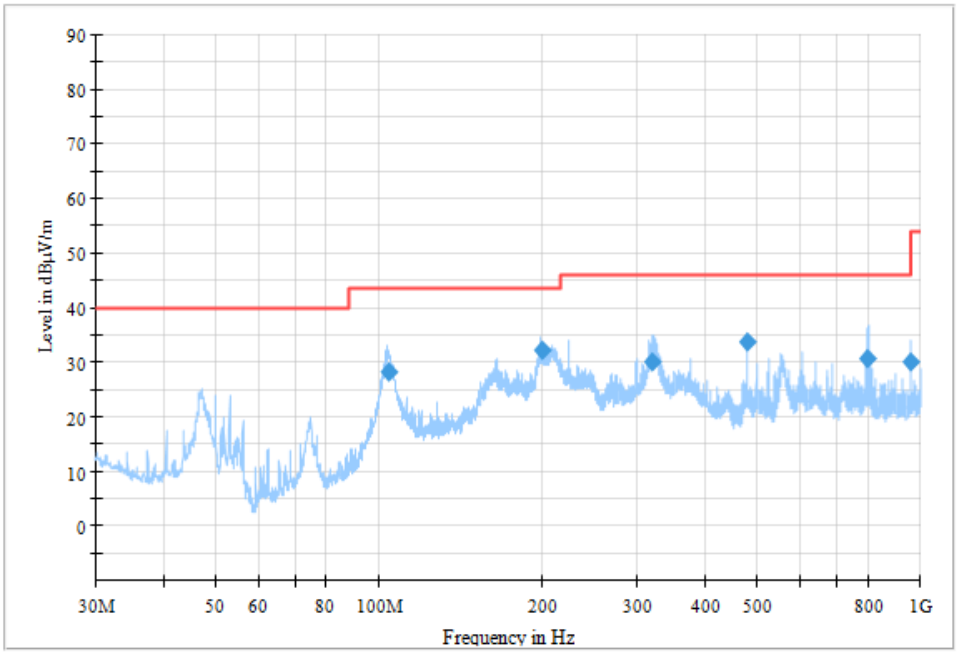


Figure A.19 Radiated Emission (Set.3, Data Transfer Mode/PC to EUT, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
104.061667	28.13	43.5	15.37	H	-32.4	60.53
199.618889	32.12	43.5	11.38	H	-33.1	65.22
320.051667	30.16	46	15.84	H	-28.7	58.86
479.992222	33.81	46	12.19	H	-23.9	57.71
799.958333	30.71	46	15.29	H	-18.9	49.61
959.980556	30.07	46	15.93	V	-16.4	46.47

©Copyright. All rights reserved by SAICT.

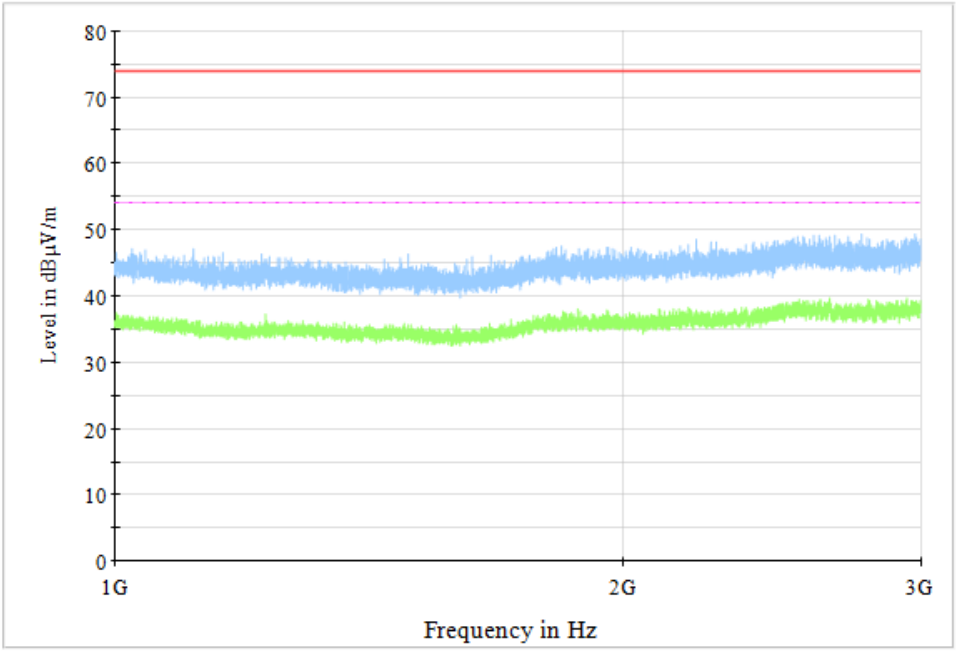


Figure A.20 Radiated Emission (Set.3, Data Transfer Mode/PC to EUT, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

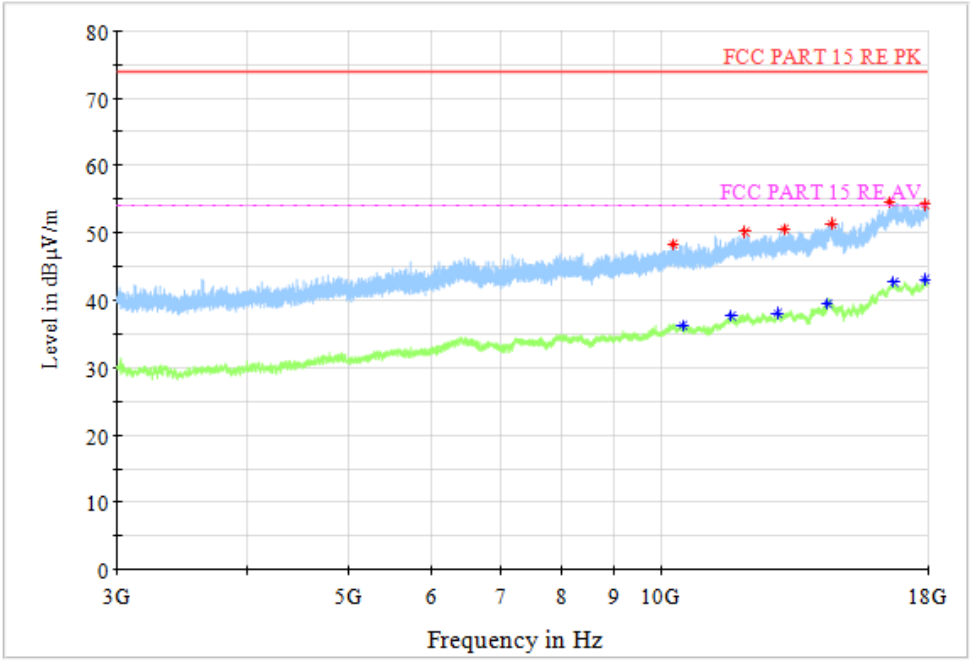


Figure A.21 Radiated Emission (Set.3, Data Transfer Mode/PC to EUT, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10262.5	48.29	74	25.71	V	5.1	43.19
12004.5	50.15	74	23.85	V	7.1	43.05
13126	50.51	74	23.49	V	8.5	42.01
14547	51.4	74	22.6	H	11.4	40
16556	54.6	74	19.4	V	14.7	39.9
17895.5	54.16	74	19.84	H	16.2	37.96

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10476	36.25	54	17.75	H	5	31.25
11681	37.71	54	16.29	V	7.1	30.61
12914	38.17	54	15.83	V	8.6	29.57
14422.5	39.55	54	14.45	H	11	28.55
16712.5	42.73	54	11.27	H	14.9	27.83
17914.5	43.17	54	10.83	V	16.3	26.87

©Copyright. All rights reserved by SAICT.

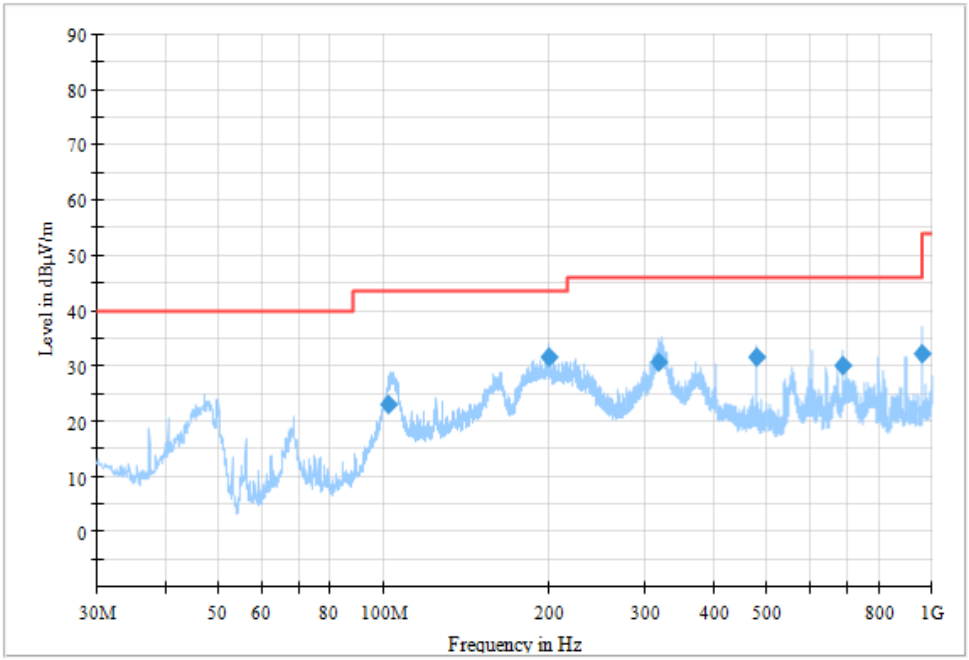


Figure A.22 Radiated Emission (Set.3, Data Transfer Mode/EUT to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
102.191111	23.05	43.5	20.45	H	-32.5	55.55
200.444444	31.52	43.5	11.98	H	-33.1	64.62
316.896667	30.8	46	15.2	H	-28.9	59.7
480.018333	31.56	46	14.44	V	-23.9	55.46
687.504444	30.01	46	15.99	V	-19.9	49.91
959.980556	32.09	46	13.91	V	-16.4	48.49

©Copyright. All rights reserved by SAICT.

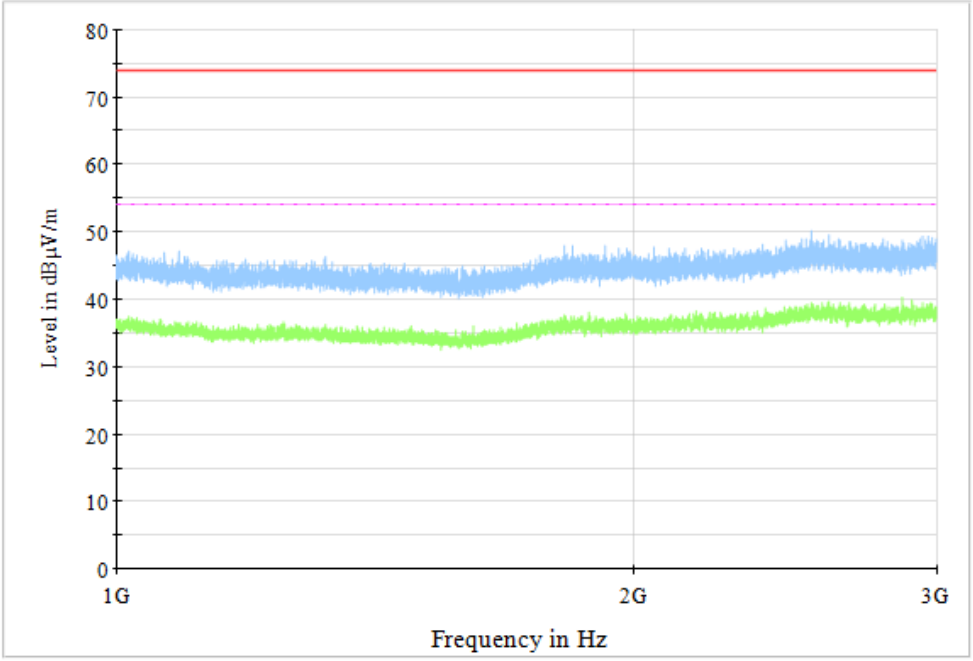


Figure A.23 Radiated Emission (Set.3, Data Transfer Mode/EUT to PC, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

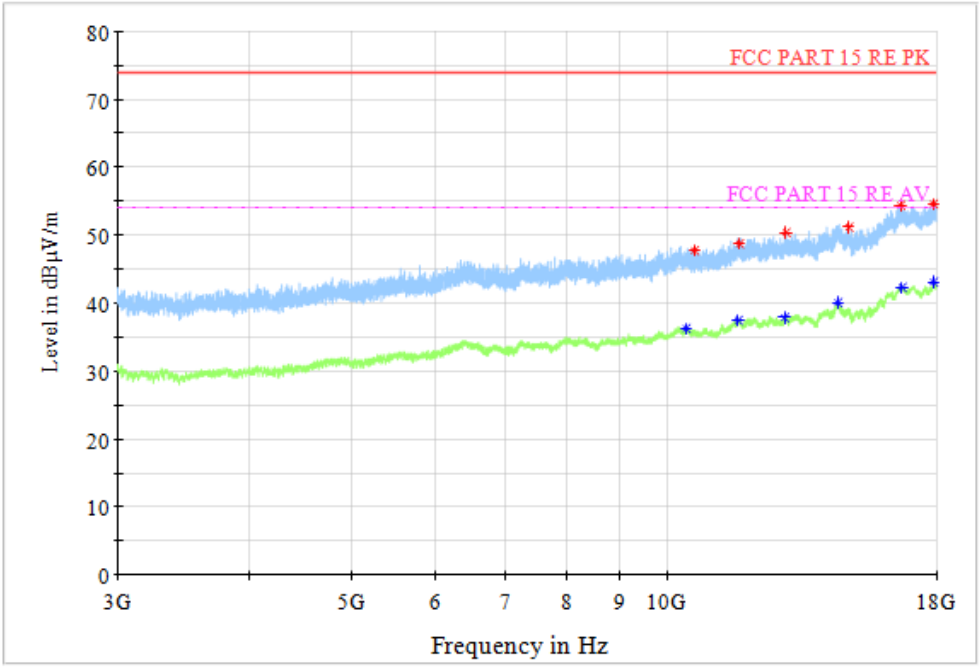


Figure A.24 Radiated Emission (Set.3, Data Transfer Mode/ EUT to PC, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10585	47.81	74	26.19	V	5	42.81
11684.5	48.81	74	25.19	H	7.1	41.71
12946	50.47	74	23.53	H	8.6	41.87
14853	51.2	74	22.8	V	10.8	40.4
16664.5	54.41	74	19.59	V	14.9	39.51
17916.5	54.52	74	19.48	H	16.2	38.32

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10421.5	36.24	54	17.76	H	5.1	31.14
11676	37.45	54	16.55	V	7	30.45
12906	37.9	54	16.1	V	8.6	29.3
14494	40.12	54	13.88	H	11.4	28.72
16697	42.38	54	11.62	H	14.9	27.48
17903.5	43.06	54	10.94	H	16.3	26.76

©Copyright. All rights reserved by SAICT.

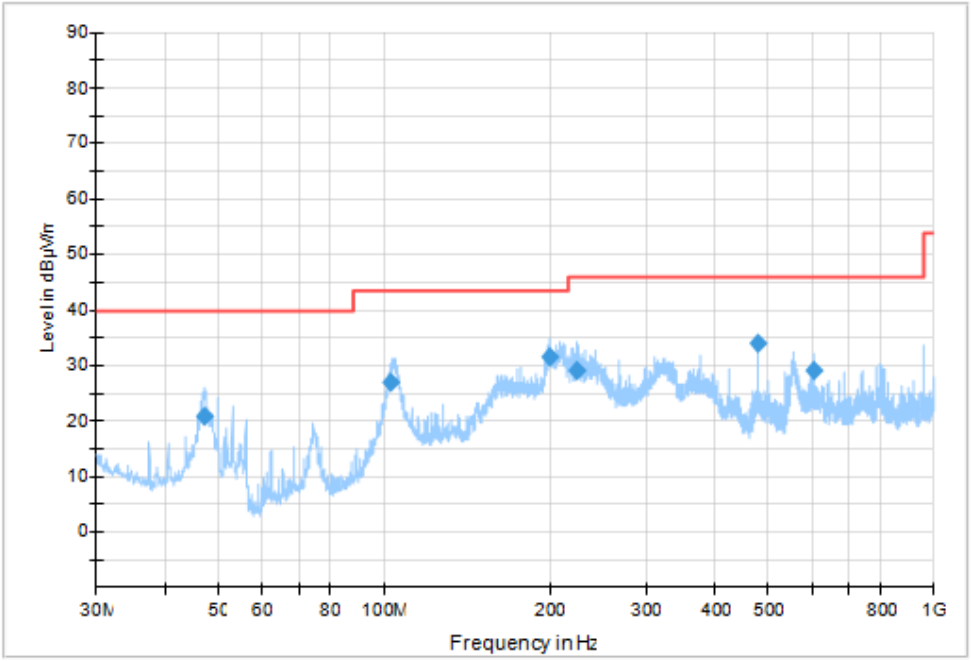


Figure A.25 Radiated Emission (Set.3, Data Transfer Mode/PC to TF Card, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
47.196667	20.9	40	19.1	V	-34.6	55.5
103.159444	26.93	43.5	16.57	H	-32.5	59.43
200.082778	31.7	43.5	11.8	H	-33.1	64.8
223.910556	29.23	46	16.77	H	-32.4	61.63
479.992222	33.9	46	12.1	H	-23.9	57.8
604.246111	29.24	46	16.76	V	-21.3	50.54

©Copyright. All rights reserved by SAICT.

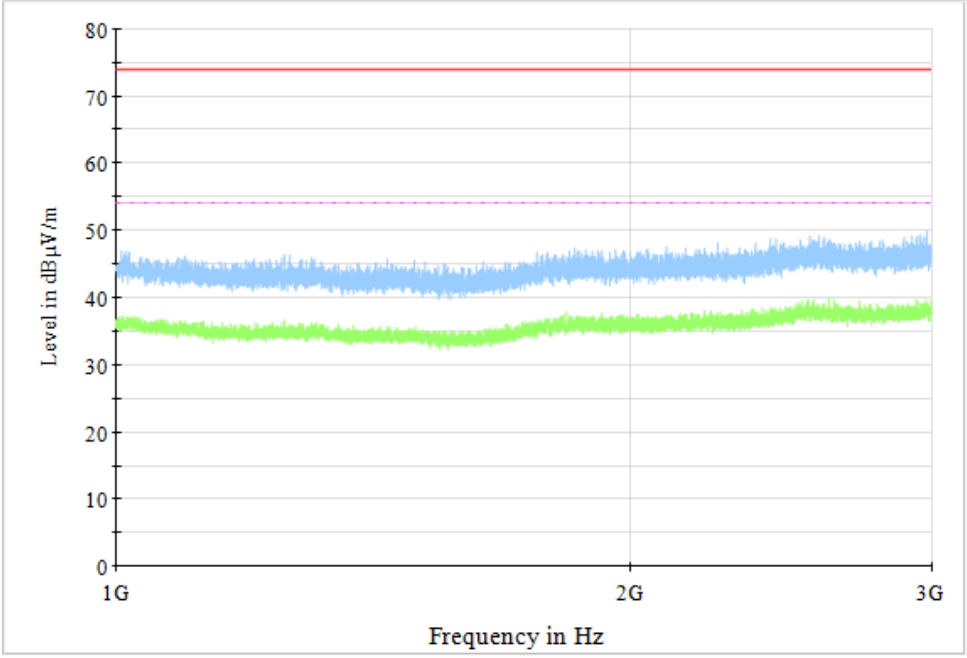


Figure A.26 Radiated Emission (Set.3, Data Transfer Mode/PC to TF Card, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

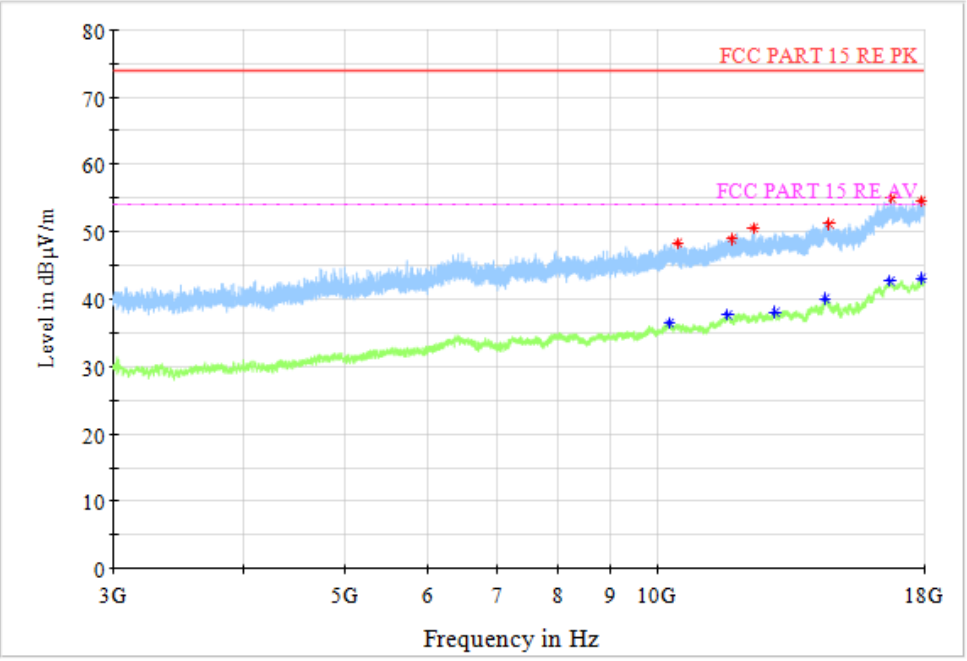


Figure A.27 Radiated Emission (Set.3, Data Transfer Mode/PC to TF Card, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10434.5	48.38	74	25.62	V	5	43.38
11767.5	49.06	74	24.94	H	6.8	42.26
12362.5	50.49	74	23.51	V	7.4	43.09
14594	51.26	74	22.74	V	11.3	39.96
16753.5	55.07	74	18.93	V	14.8	40.27
17914.5	54.63	74	19.37	H	16.3	38.33

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10243.5	36.49	54	17.51	V	5.2	31.29
11683	37.65	54	16.35	H	7.1	30.55
12948	38.08	54	15.92	H	8.6	29.48
14461.5	40.02	54	13.98	V	11.2	28.82
16720	42.65	54	11.35	V	14.9	27.75
17908	43.06	54	10.94	V	16.3	26.76

©Copyright. All rights reserved by SAICT.

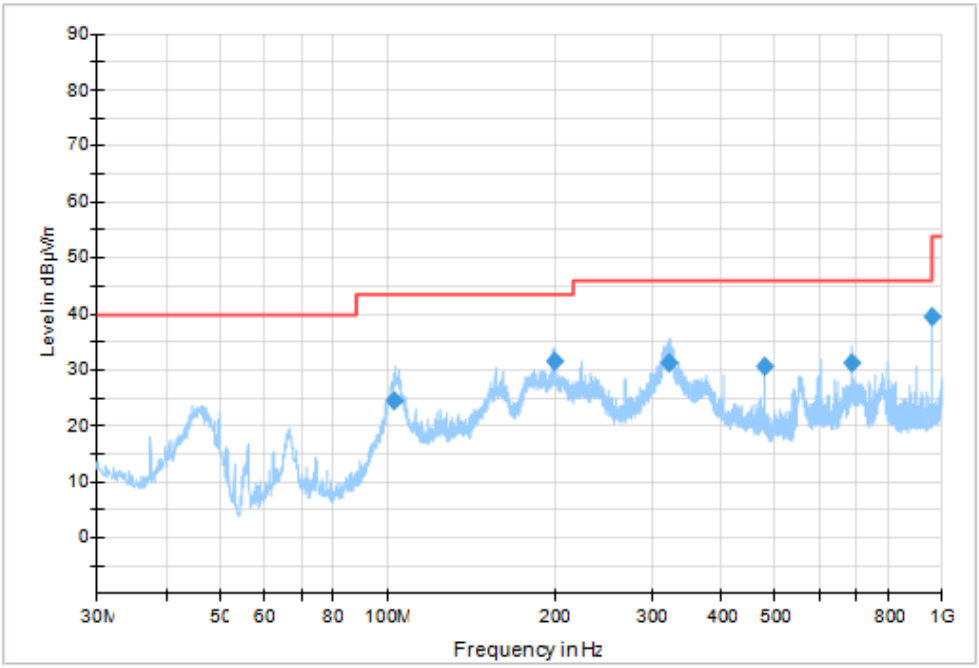


Figure A.28 Radiated Emission (Set.3, Data Transfer Mode/ TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
102.636111	24.44	43.5	19.06	H	-32.5	56.94
199.716111	31.69	43.5	11.81	H	-33.1	64.79
322.323889	31.13	46	14.87	H	-28.6	59.73
479.992222	30.55	46	15.45	V	-23.9	54.45
687.518333	31.37	46	14.63	V	-19.9	51.27
959.980556	39.68	46	6.32	H	-16.4	56.08

©Copyright. All rights reserved by SAICT.

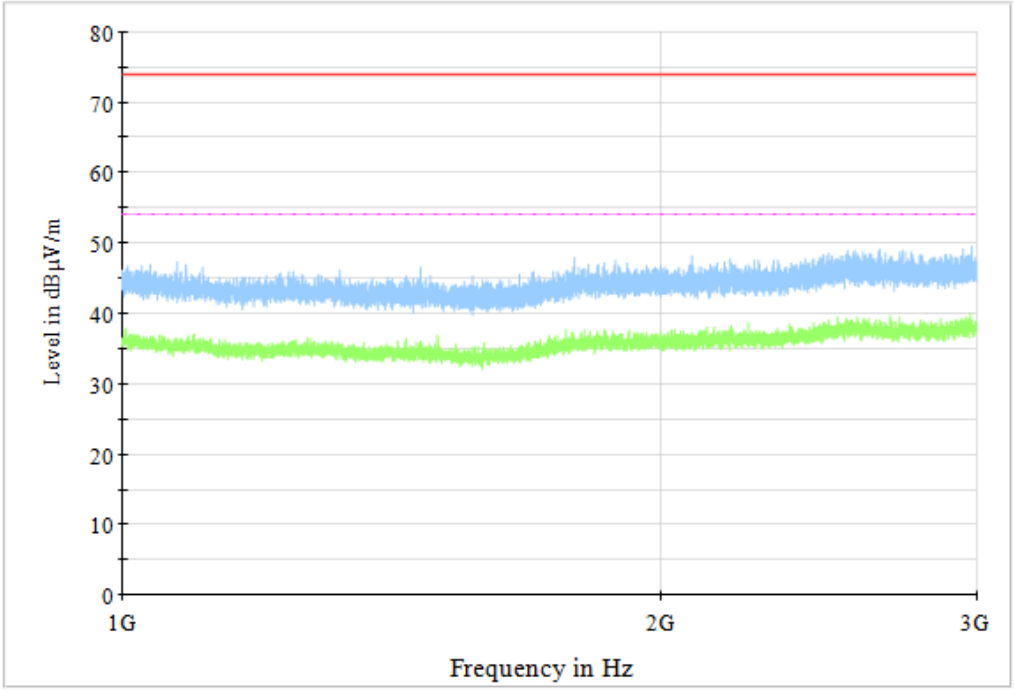


Figure A.29 Radiated Emission (Set.3, Data Transfer Mode/ TF Card to PC, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

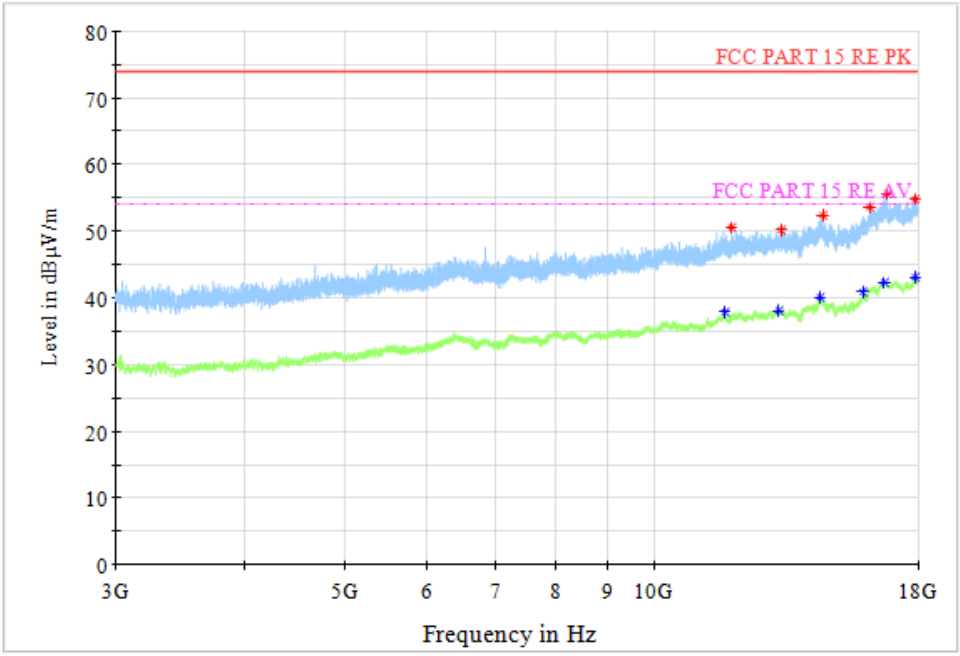


Figure A.30 Radiated Emission (Set.3, Data Transfer Mode/ TF Card to PC, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
11876	50.65	74	23.35	V	6.7	43.95
13273	50.22	74	23.78	V	8.8	41.42
14551	52.38	74	21.62	V	11.4	40.98
16165	53.52	74	20.48	V	14.3	39.22
16806	55.52	74	18.48	H	14.6	40.92
17906.5	54.77	74	19.23	H	16.3	38.47

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
11691.5	37.86	54	16.14	V	7.1	30.76
13193.5	38.12	54	15.88	H	8.5	29.62
14460	40.09	54	13.91	H	11.2	28.89
15945	40.89	54	13.11	V	13.3	27.59
16695.5	42.37	54	11.63	V	14.9	27.47
17910	43.17	54	10.83	H	16.3	26.87

©Copyright. All rights reserved by SAICT.

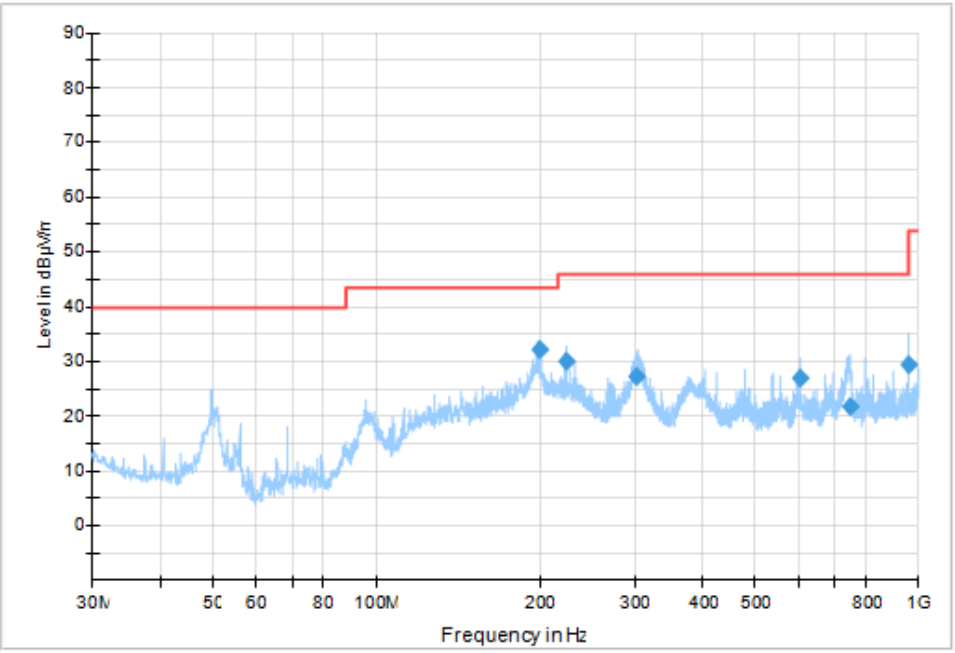


Figure A.31 Radiated Emission (Set.4, Data Transfer Mode/ TF Card to PC, 30MHz to 1GHz) Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
199.634444	32.12	43.5	11.38	H	-33.1	65.22
224.185	30.17	46	15.83	H	-32.4	62.57
303.062778	27.35	46	18.65	H	-29.3	56.65
604.26	27.13	46	18.87	V	-21.3	48.43
745.384444	21.77	46	24.23	H	-19.5	41.27
959.994444	29.46	46	16.54	V	-16.4	45.86

©Copyright. All rights reserved by SAICT.

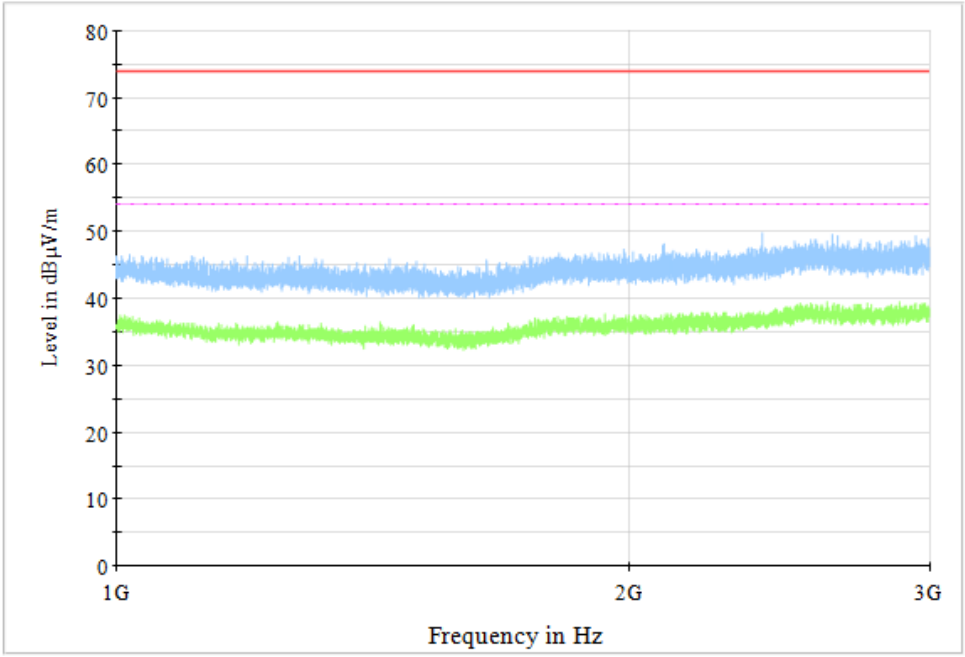


Figure A.32 Radiated Emission (Set.4, Data Transfer Mode/ TF Card to PC, 1GHz to 3GHz)

©Copyright. All rights reserved by SAICT.

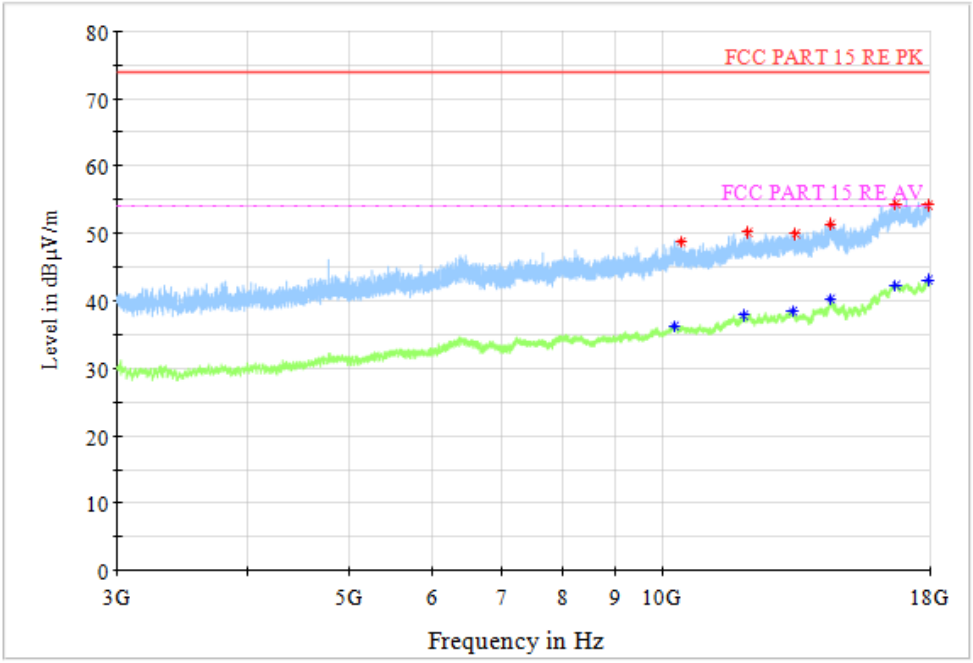


Figure A.33 Radiated Emission (Set.4, Data Transfer Mode/ TF Card to PC, 3GHz to 18GHz)

Final_Result_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10425	48.77	74	25.23	V	5.1	43.67
12039.5	50.27	74	23.73	H	7.2	43.07
13367.5	49.97	74	24.03	H	8.6	41.37
14465.5	51.37	74	22.63	H	11.2	40.17
16687.5	54.36	74	19.64	H	14.9	39.46
17925	54.28	74	19.72	H	16.1	38.18

Final_Result_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10247.5	36.33	54	17.67	H	5.2	31.13
11964.5	37.89	54	16.11	V	7.1	30.79
13290	38.49	54	15.51	H	8.9	29.59
14489.5	40.28	54	13.72	H	11.4	28.88
16695	42.37	54	11.63	V	14.9	27.47
17925	43.07	54	10.93	H	16.1	26.97

©Copyright. All rights reserved by SAICT.

B.2 Conducted Emission (§15.107(a))

Reference

FCC: CFR Part 15.107(a)

B.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.

B.2.2 EUT Operating Mode:

Charging Mode/ FM receiver Mode: The EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released. The FM receiver function is on. The EUT is connected to a charger.

Charging Mode/ Camera Mode: 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.

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

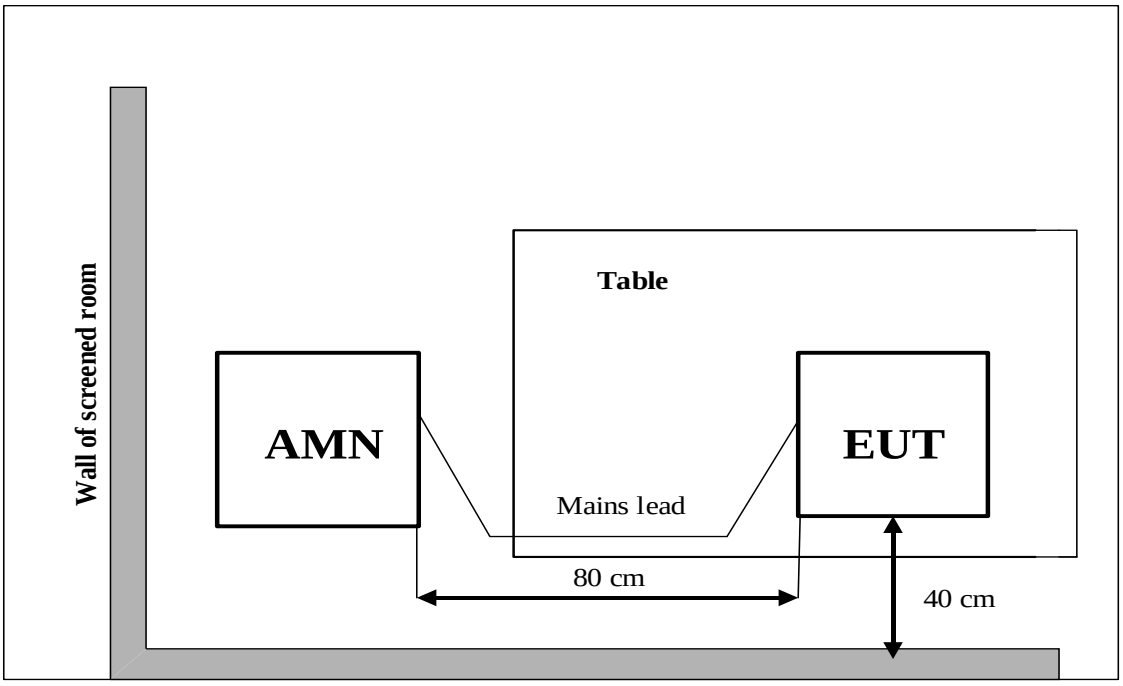
Data transfer Mode: The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C. The software is used to let the PC keep on copying data to EUT or TF Card, reading and erasing the data after copy action was finished.

B.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		

©Copyright. All rights reserved by SAICT.

B.2.4Test set-up:



B.2.5 Test Condition in charging mode

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

RBW	Sweep Time(s)
9kHz	1

B.2.6 Measurement Results

QuasiPeak(dBμV) /Average(dBμV) =PMea+Corr

Where

Corr: PathLoss + Voltage Division Factor

PMea: Measurement result on receiver.

Charging Mode/Camera Mode

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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.				

©Copyright. All rights reserved by SAICT.

Charging Mode/Video Player Mode

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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.				

Charging Mode/FM Mode

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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.				

Charging Mode/FM Mode

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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 Mode/PC to EUT

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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.				

©Copyright. All rights reserved by SAICT.

Data Transfer Mode/EUT to PC

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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.				

Data Transfer Mode/PC to TF Card

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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.				

Data Transfer Mode/TF Card to PC

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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 Mode/ PC to TF Card

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.4	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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.				

©Copyright. All rights reserved by SAICT.

Charging Mode/Camera Mode

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.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.				

Charging Mode/Video Player Mode

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.11	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Charging Mode/ FM Mode

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.12	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Charging Mode Video Player Mode

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.13	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.				

©Copyright. All rights reserved by SAICT.

Data Transfer Mode/PC to EUT

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.14	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 Mode/EUT to PC

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.15	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 Mode/PC to TF Card

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.16	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 Mode/TF Card to PC

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.17	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.				

©Copyright. All rights reserved by SAICT.

Data Transfer Mode/EUT to PC

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.4	
0.15 to 0.5	66 to 56	56 to 46	See Figure B.18	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.				

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

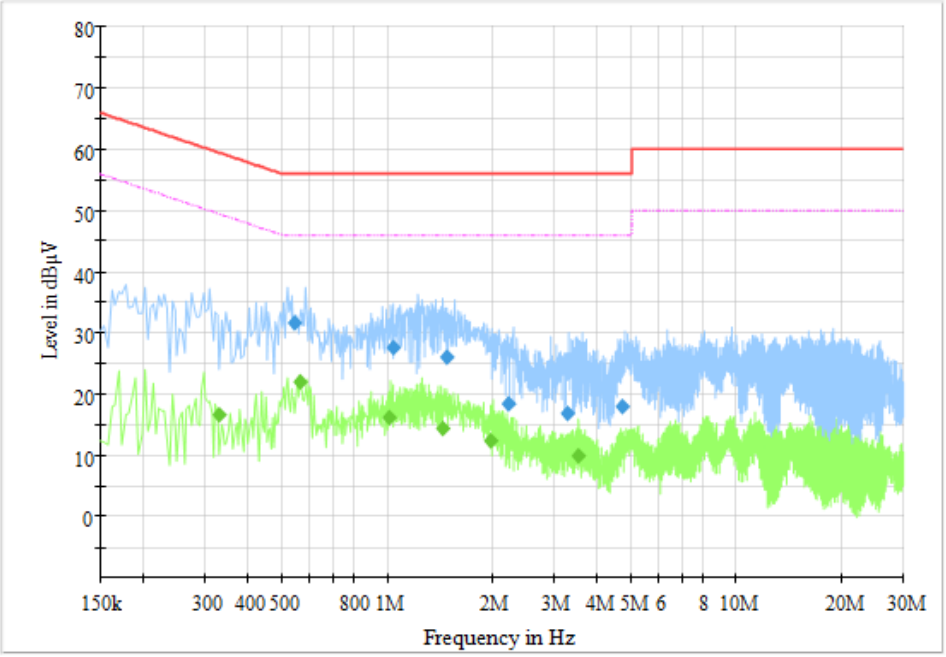


Figure B.1 Conducted Emission(Set.1, Charging Mode/Camera Mode)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.54	31.69	56	24.31	N	9.6	22.09
1.04	27.7	56	28.3	L1	9.7	18
1.472	26.11	56	29.89	L1	9.7	16.41
2.212	18.52	56	37.48	N	9.7	8.82
3.284	16.9	56	39.1	L1	9.7	7.2
4.716	18.05	56	37.95	L1	9.7	8.35

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.328	16.72	49.5	32.78	N	9.6	7.12
0.564	22.05	46	23.95	L1	9.6	12.45
1.012	16.17	46	29.83	L1	9.7	6.47
1.436	14.49	46	31.51	L1	9.7	4.79
1.968	12.44	46	33.56	N	9.7	2.74
3.532	9.97	46	36.03	N	9.7	0.27

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

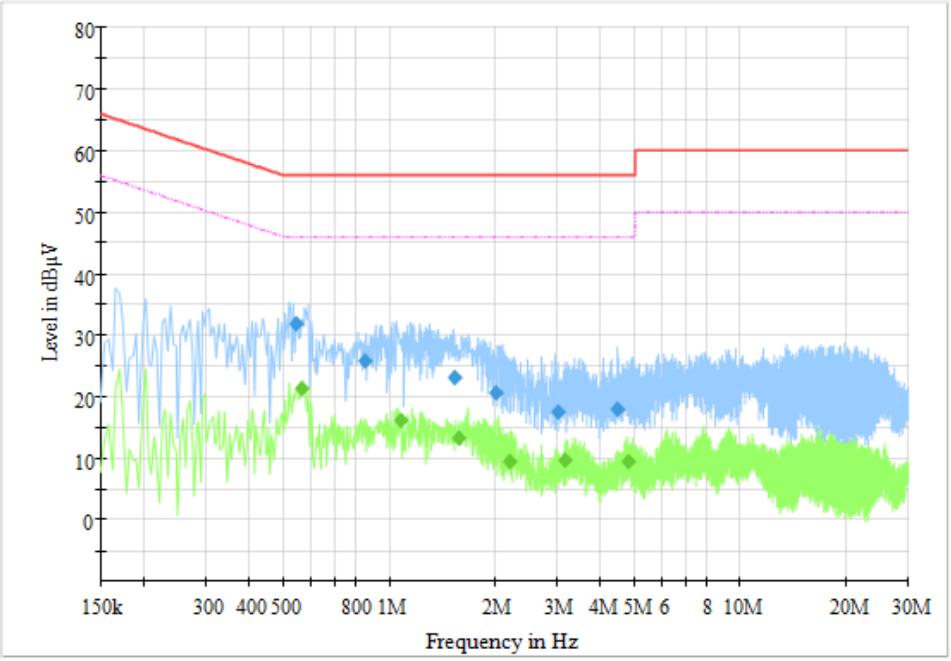


Figure B.2 Conducted Emission(Set.1, Charging Mode/Video Player Mode)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.544	31.94	56	24.06	N	9.6	22.34
0.848	25.89	56	30.11	L1	9.7	16.19
1.536	23.23	56	32.77	L1	9.7	13.53
2.016	20.72	56	35.28	N	9.7	11.02
3.016	17.47	56	38.53	L1	9.7	7.77
4.456	17.99	56	38.01	L1	9.7	8.29

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.56	21.36	46	24.64	L1	9.6	11.76
1.076	16.1	46	29.9	L1	9.7	6.4
1.58	13.3	46	32.71	N	9.7	3.6
2.208	9.46	46	36.54	N	9.7	-0.24
3.148	9.64	46	36.36	N	9.7	-0.06
4.784	9.43	46	36.57	N	9.7	-0.27

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

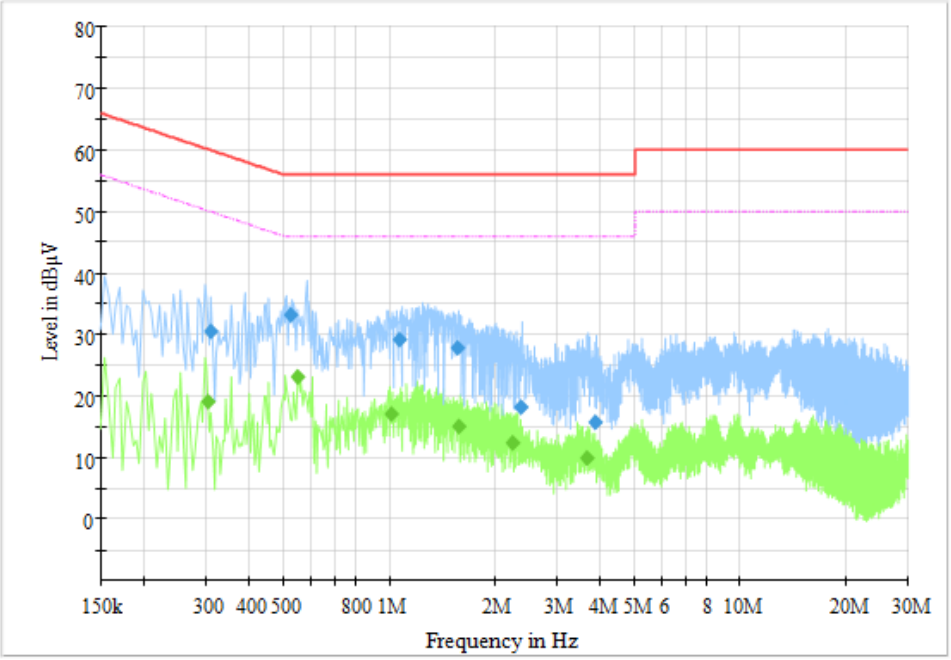


Figure B.3 Conducted Emission(Set.1, Charging Mode/FM Mode)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.308	30.42	60.02	29.6	N	9.6	20.82
0.524	33.18	56	22.82	N	9.6	23.58
1.068	29.1	56	26.9	L1	9.7	19.4
1.564	27.74	56	28.26	L1	9.7	18.04
2.36	18.18	56	37.82	N	9.7	8.48
3.836	15.68	56	40.32	L1	9.7	5.98

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.304	19.09	50.13	31.05	N	9.6	9.49
0.548	23.08	46	22.92	L1	9.6	13.48
1.012	17.01	46	28.99	L1	9.7	7.31
1.568	15.09	46	30.91	L1	9.7	5.39
2.236	12.28	46	33.72	N	9.7	2.58
3.648	9.93	46	36.07	N	9.7	0.23

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

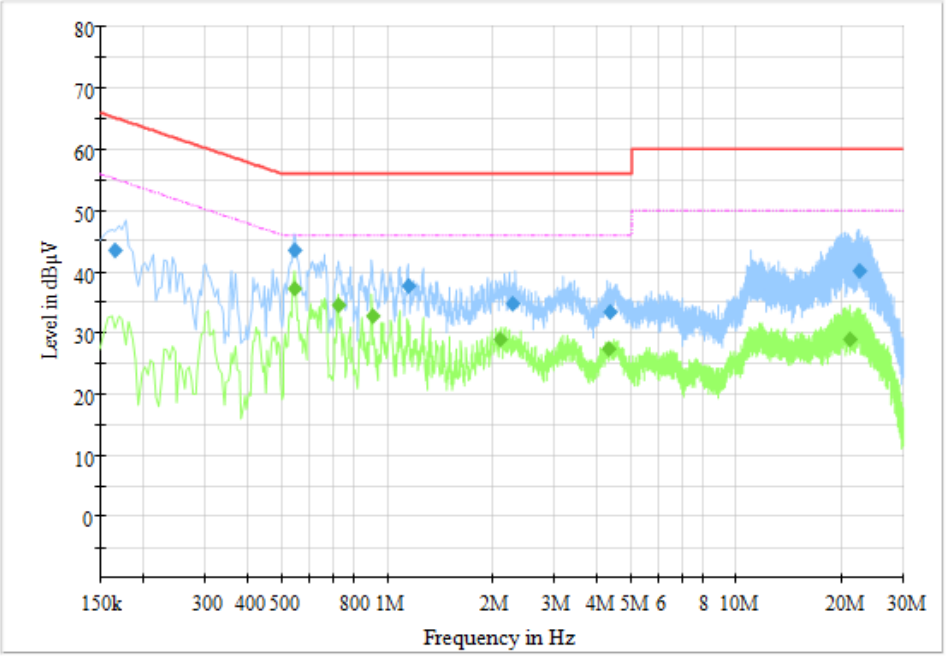


Figure B.4 Conducted Emission(Set.2, Charging Mode/FM Mode)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.166	43.62	65.16	21.54	N	9.6	34.02
0.54	43.59	56	12.41	L1	9.6	33.99
1.152	37.72	56	18.28	L1	9.7	28.02
2.288	34.74	56	21.26	L1	9.7	25.04
4.352	33.44	56	22.56	L1	9.7	23.74
22.452	40.05	60	19.95	N	9.8	30.25

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.544	37.31	46	8.69	L1	9.6	27.71
0.724	34.45	46	11.55	L1	9.6	24.85
0.904	32.69	46	13.31	L1	9.7	22.99
2.104	29.03	46	16.97	L1	9.7	19.33
4.284	27.33	46	18.67	L1	9.7	17.63
21.08	28.96	50	21.04	N	9.8	19.16

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

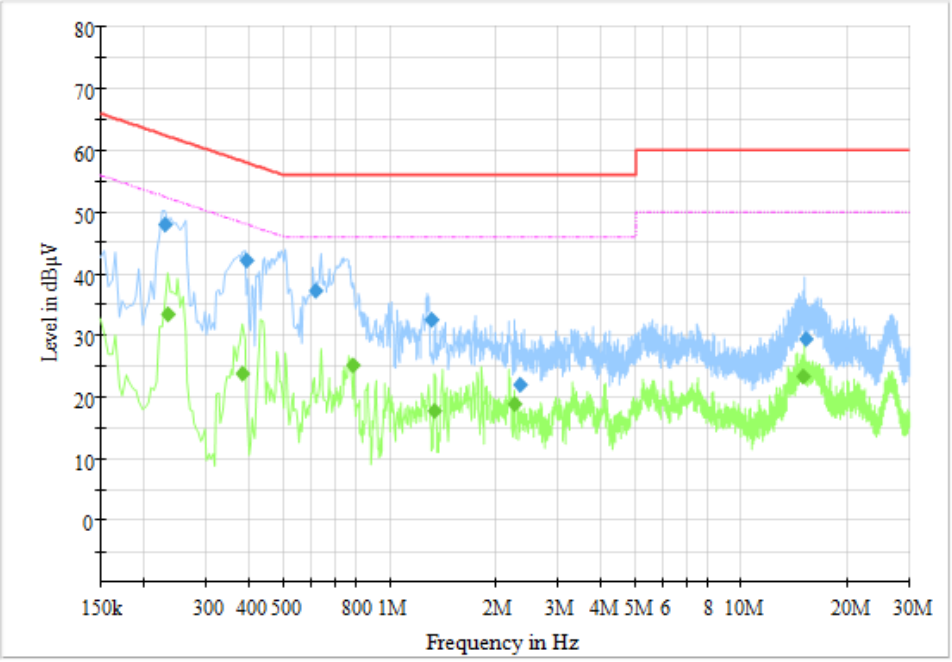


Figure B.5 Conducted Emission(Set.3, Data Transfer Mode/PC to EUT)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.23	47.88	62.45	14.57	L1	9.6	38.28
0.392	42.06	58.02	15.97	L1	9.7	32.36
0.612	37.32	56	18.68	L1	9.6	27.72
1.316	32.53	56	23.47	L1	9.7	22.83
2.336	21.99	56	34.01	N	9.7	12.29
15.184	29.45	60	30.55	N	9.8	19.65

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.234	33.45	52.31	18.85	L1	9.6	23.85
0.38	23.88	48.28	24.4	N	9.6	14.28
0.788	25.15	46	20.85	L1	9.6	15.55
1.34	17.83	46	28.17	N	9.7	8.13
2.256	18.88	46	27.12	N	9.7	9.18
15.012	23.45	50	26.55	N	9.8	13.65

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

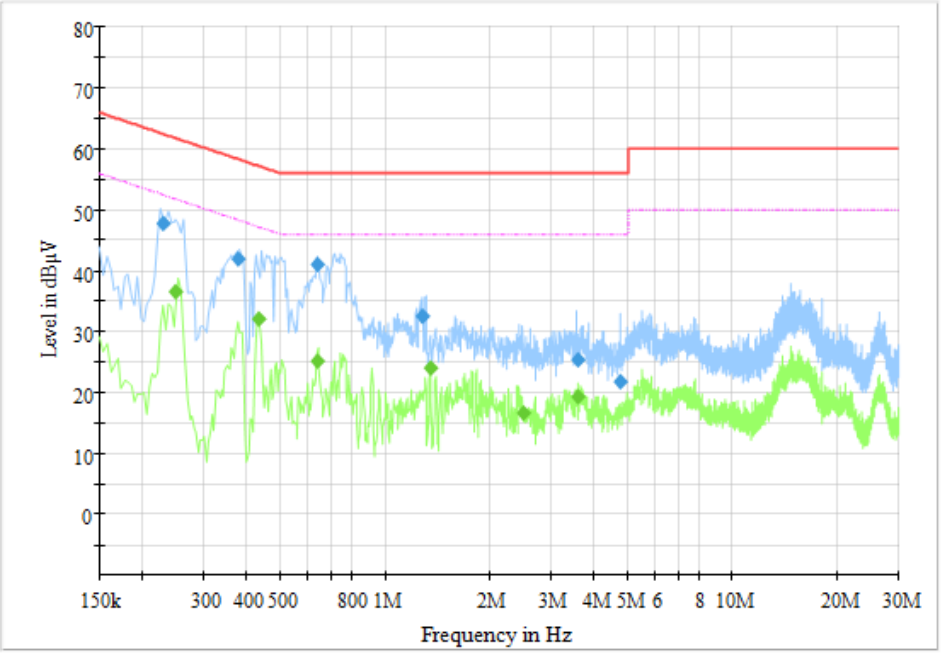


Figure B.6 Conducted Emission(Set.3, Data Transfer Mode/EUT to PC)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.23	47.85	62.45	14.6	L1	9.6	38.25
0.376	41.86	58.37	16.51	L1	9.6	32.26
0.64	40.98	56	15.02	L1	9.6	31.38
1.28	32.58	56	23.42	L1	9.7	22.88
3.6	25.35	56	30.65	L1	9.7	15.65
4.744	21.84	56	34.16	L1	9.7	12.14

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.248	36.54	51.82	15.28	L1	9.6	26.94
0.432	32.15	47.21	15.06	L1	9.6	22.55
0.64	25.04	46	20.96	N	9.6	15.44
1.344	23.93	46	22.07	N	9.7	14.23
2.504	16.75	46	29.25	N	9.7	7.05
3.596	19.3	46	26.7	L1	9.7	9.6

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

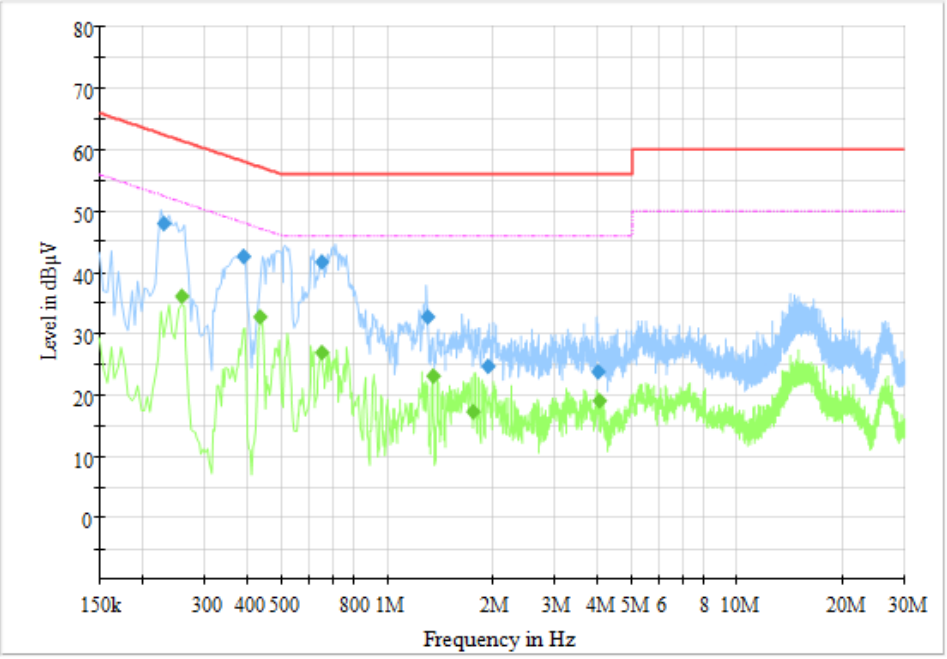


Figure B.7 Conducted Emission(Set.3, Data Transfer Mode/PC to TF Card)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.23	47.89	62.45	14.56	L1	9.6	38.29
0.388	42.5	58.11	15.6	L1	9.6	32.9
0.648	41.62	56	14.38	L1	9.6	32.02
1.296	32.82	56	23.18	L1	9.7	23.12
1.936	24.65	56	31.35	N	9.7	14.95
3.992	23.8	56	32.2	L1	9.7	14.1

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.258	36.1	51.5	15.39	L1	9.6	26.5
0.432	32.84	47.21	14.37	L1	9.6	23.24
0.648	27.02	46	18.98	L1	9.6	17.42
1.344	23.04	46	22.96	N	9.7	13.34
1.76	17.24	46	28.76	N	9.7	7.54
4.036	19.18	46	26.82	L1	9.7	9.48

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

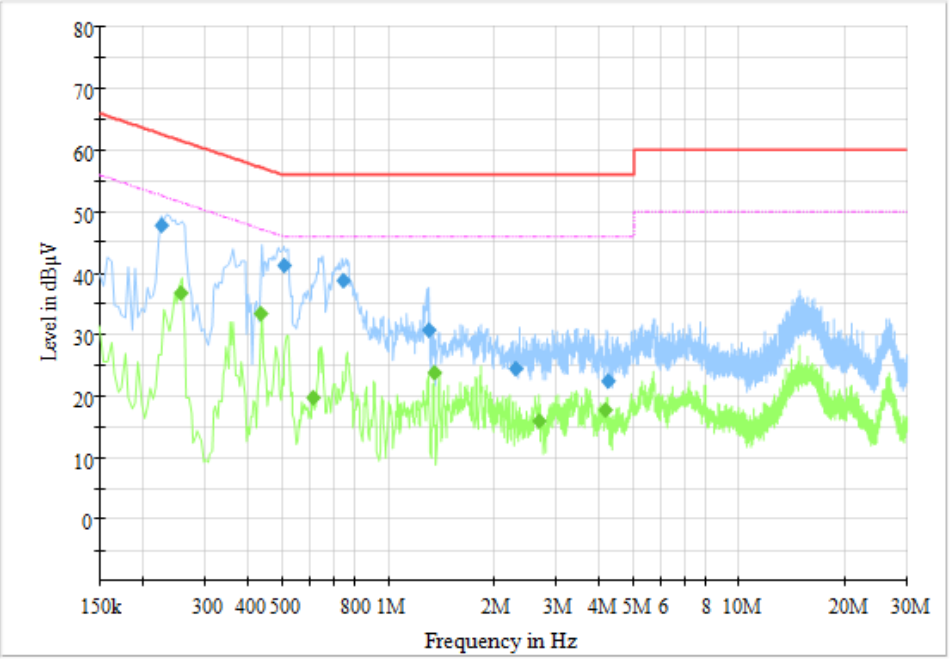


Figure B.8 Conducted Emission(Set.3, Data Transfer Mode/TF Card to PC)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.226	47.69	62.6	14.9	L1	9.6	38.09
0.504	41.29	56	14.71	L1	9.6	31.69
0.74	38.73	56	17.27	L1	9.6	29.13
1.304	30.77	56	25.23	L1	9.7	21.07
2.308	24.39	56	31.61	L1	9.7	14.69
4.224	22.39	56	33.61	L1	9.7	12.69

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.256	36.88	51.56	14.68	L1	9.6	27.28
0.432	33.4	47.21	13.81	L1	9.6	23.8
0.608	19.72	46	26.28	L1	9.6	10.12
1.344	23.7	46	22.3	N	9.7	14
2.684	15.87	46	30.13	N	9.7	6.17
4.14	17.83	46	28.17	L1	9.7	8.13

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

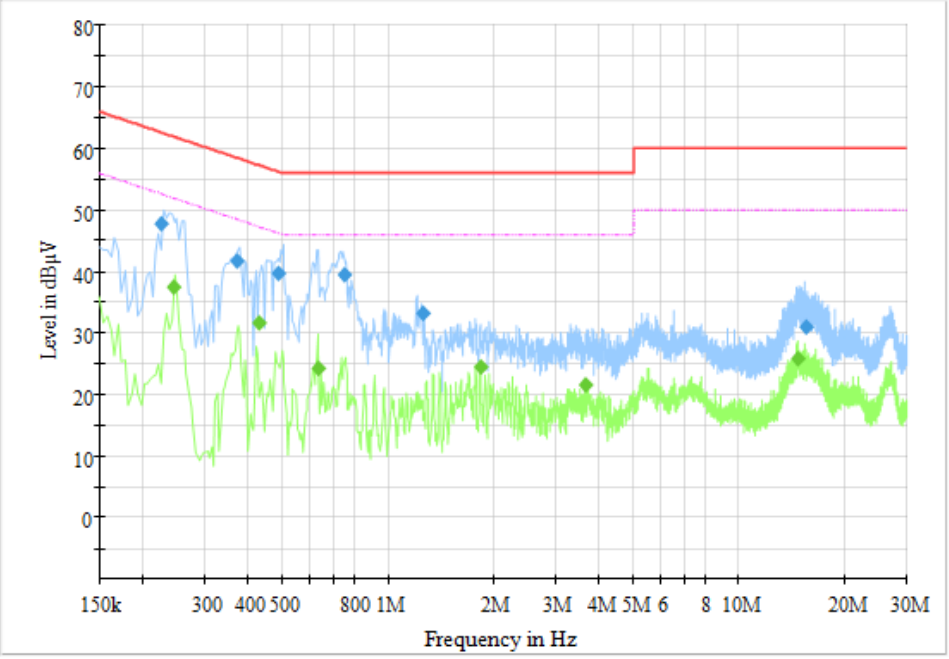


Figure B.9 Conducted Emission(Set.4, Data Transfer Mode/PC to TF Card)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.226	47.79	62.6	14.8	L1	9.6	38.19
0.372	41.82	58.46	16.64	L1	9.6	32.22
0.484	39.75	56.27	16.52	L1	9.6	30.15
0.748	39.52	56	16.48	L1	9.6	29.92
1.26	33.12	56	22.88	L1	9.7	23.42
15.484	30.93	60	29.07	N	9.8	21.13

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.244	37.4	51.96	14.56	L1	9.6	27.8
0.428	31.56	47.29	15.73	L1	9.6	21.96
0.632	24.2	46	21.8	L1	9.6	14.6
1.832	24.47	46	21.53	N	9.7	14.77
3.656	21.66	46	24.34	L1	9.7	11.96
14.636	25.72	50	24.28	N	9.8	15.92

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 240V/60Hz

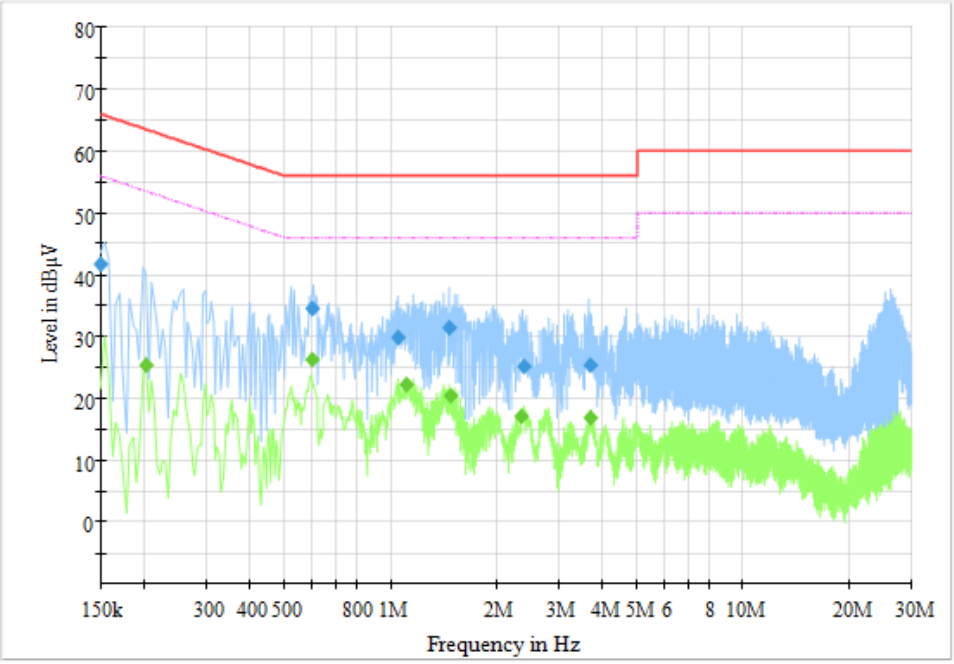


Figure B.10 Conducted Emission(Set.1, Charging Mode/Camera Mode)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.15	41.74	66	24.26	N	9.6	32.14
0.596	34.49	56	21.51	N	9.6	24.89
1.044	29.77	56	26.23	L1	9.7	20.07
1.468	31.5	56	24.5	L1	9.7	21.8
2.396	25.06	56	30.94	L1	9.7	15.36
3.692	25.32	56	30.68	L1	9.7	15.62

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.202	25.3	53.53	28.23	N	9.6	15.7
0.596	26.21	46	19.79	L1	9.6	16.61
1.108	22.15	46	23.85	L1	9.7	12.45
1.48	20.5	46	25.5	L1	9.7	10.8
2.336	17.13	46	28.87	L1	9.7	7.43
3.68	16.91	46	29.09	L1	9.7	7.21

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 240V/60Hz

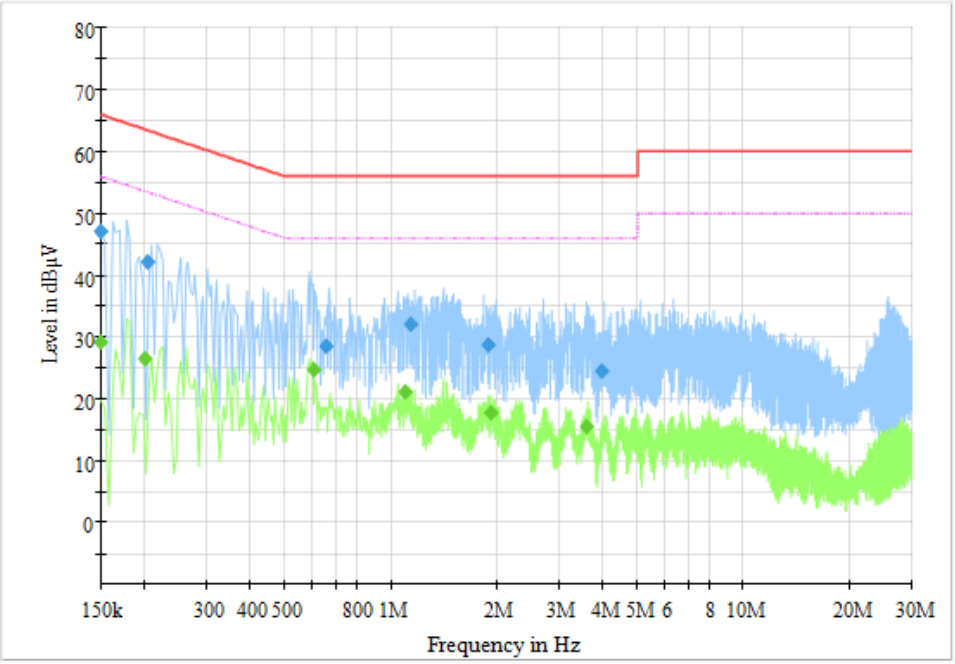


Figure B.11 Conducted Emission(Set.1, Charging Mode/Video Player Mode)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.15	47.08	66	18.92	L1	9.6	37.48
0.204	42.14	63.45	21.3	N	9.6	32.54
0.656	28.46	56	27.54	L1	9.6	18.86
1.132	32.09	56	23.91	L1	9.7	22.39
1.88	28.77	56	27.23	L1	9.7	19.07
3.952	24.5	56	31.5	L1	9.7	14.8

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.15	29.24	56	26.76	L1	9.6	19.64
0.2	26.58	53.61	27.03	N	9.6	16.98
0.604	24.78	46	21.22	L1	9.6	15.18
1.1	21.13	46	24.87	L1	9.7	11.43
1.916	17.7	46	28.3	N	9.7	8
3.584	15.58	46	30.42	N	9.7	5.88

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 240V/60Hz

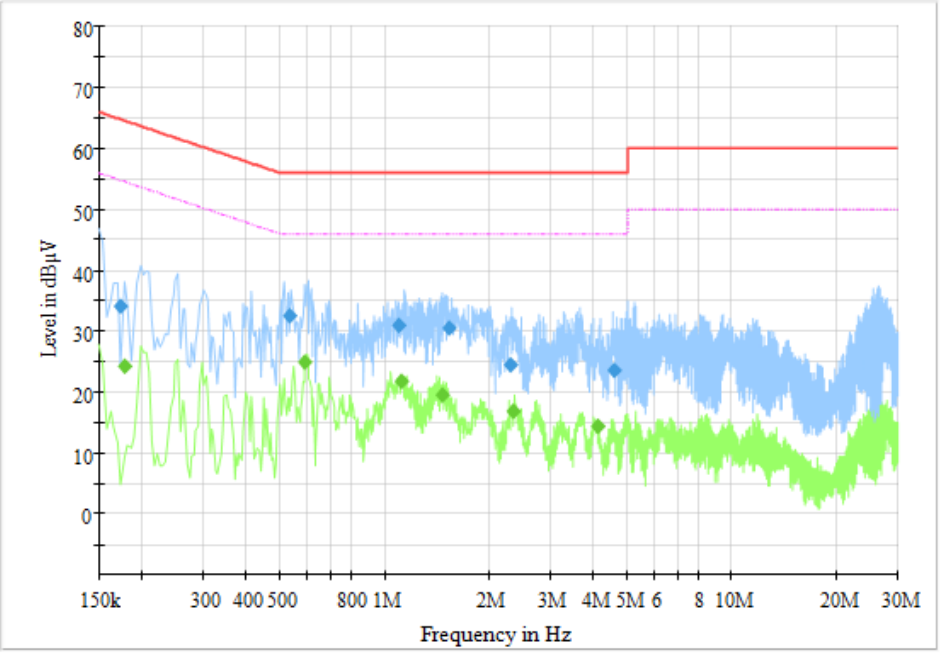


Figure B.12 Conducted Emission(Set.1, Charging Mode/FM Mode)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.174	34.09	64.77	30.68	N	9.6	24.49
0.532	32.56	56	23.44	N	9.6	22.96
1.096	30.98	56	25.02	L1	9.7	21.28
1.536	30.43	56	25.57	L1	9.7	20.73
2.292	24.41	56	31.59	L1	9.7	14.71
4.588	23.51	56	32.49	L1	9.7	13.81

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.178	24.32	54.58	30.26	L1	9.6	14.72
0.588	24.84	46	21.16	L1	9.6	15.24
1.116	21.86	46	24.14	L1	9.7	12.16
1.468	19.54	46	26.46	L1	9.7	9.84
2.344	16.96	46	29.04	L1	9.7	7.26
4.092	14.51	46	31.49	L1	9.7	4.81

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 240V/60Hz

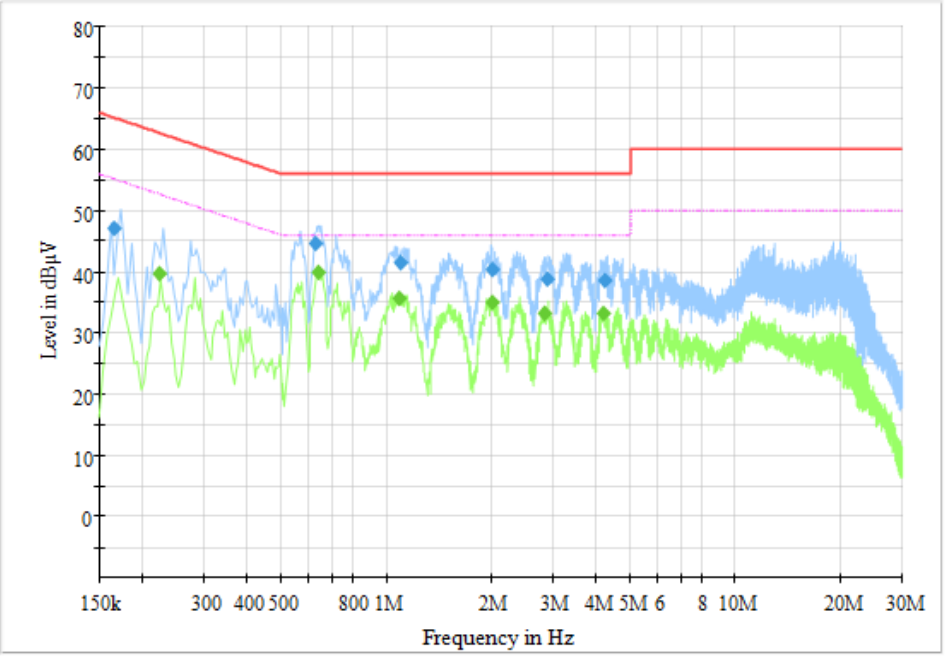


Figure B.13 Conducted Emission(Set.2, Charging Mode/Video Player Mode)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.166	47.16	65.16	18	N	9.6	37.56
0.628	44.56	56	11.44	L1	9.6	34.96
1.092	41.39	56	14.61	L1	9.7	31.69
2.008	40.39	56	15.61	L1	9.7	30.69
2.872	38.86	56	17.14	L1	9.7	29.16
4.232	38.53	56	17.47	L1	9.7	28.83

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.224	39.63	52.67	13.04	L1	9.6	30.03
0.636	40	46	6	L1	9.6	30.4
1.088	35.74	46	10.26	L1	9.7	26.04
2.004	34.96	46	11.04	L1	9.7	25.26
2.84	33.17	46	12.83	L1	9.7	23.47
4.172	33.1	46	12.9	L1	9.7	23.4

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

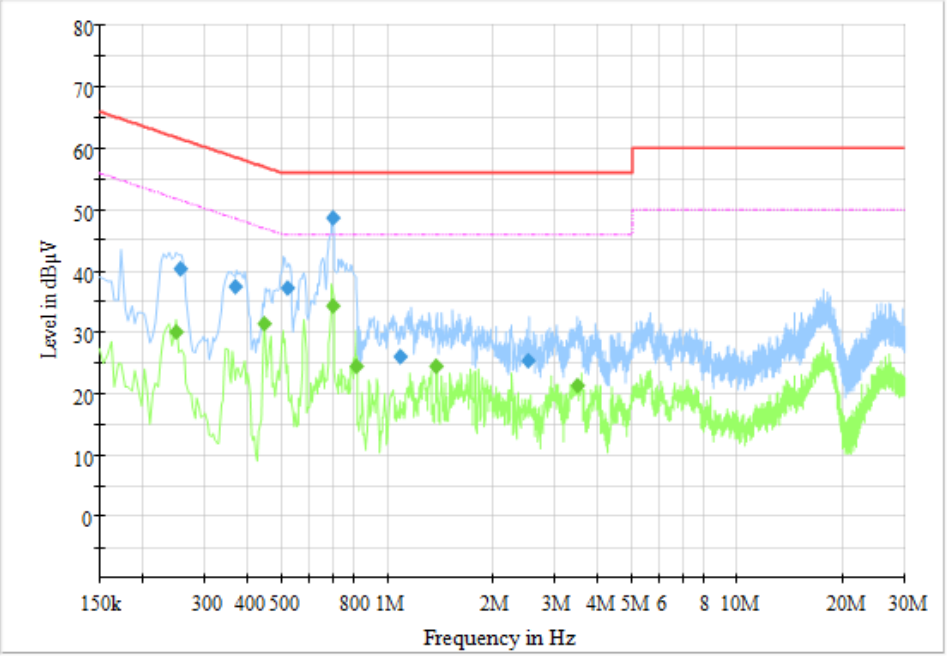


Figure B.14 Conducted Emission(Set.3, Data Transfer Mode/PC to EUT)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.256	40.36	61.56	21.2	L1	9.6	30.76
0.368	37.47	58.55	21.07	L1	9.6	27.87
0.52	37.32	56	18.68	L1	9.6	27.72
0.696	48.57	56	7.43	L1	9.6	38.97
1.088	26.13	56	29.87	L1	9.7	16.43
2.516	25.38	56	30.62	L1	9.7	15.68

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.248	30.15	51.82	21.67	L1	9.6	20.55
0.444	31.38	46.99	15.61	L1	9.6	21.78
0.7	34.38	46	11.62	N	9.6	24.78
0.816	24.44	46	21.56	L1	9.6	14.84
1.38	24.54	46	21.46	N	9.7	14.84
3.496	21.36	46	24.64	L1	9.7	11.66

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

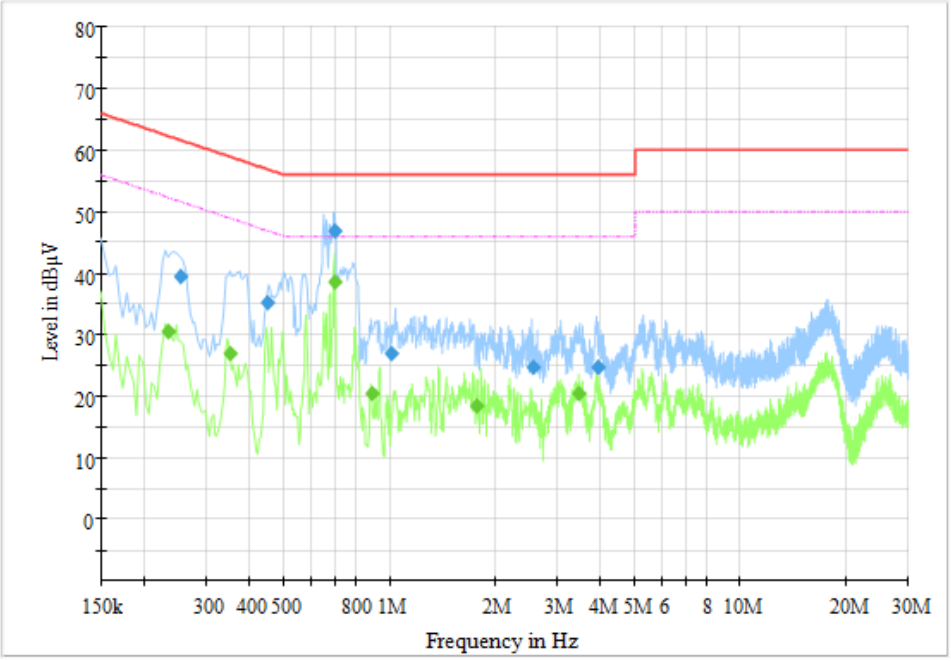


Figure B.15 Conducted Emission(Set.3, Data Transfer Mode/EUT to PC)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.254	39.5	61.63	22.12	L1	9.6	29.9
0.448	35.25	56.91	21.67	L1	9.6	25.65
0.7	46.76	56	9.24	N	9.6	37.16
1.012	27.02	56	28.98	N	9.7	17.32
2.576	24.76	56	31.24	L1	9.7	15.06
3.912	24.64	56	31.36	L1	9.7	14.94

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.234	30.46	52.31	21.85	L1	9.6	20.86
0.352	27.05	48.92	21.87	L1	9.6	17.45
0.7	38.57	46	7.43	L1	9.6	28.97
0.892	20.53	46	25.47	N	9.7	10.83
1.768	18.5	46	27.5	N	9.7	8.8
3.452	20.53	46	25.47	L1	9.7	10.83

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

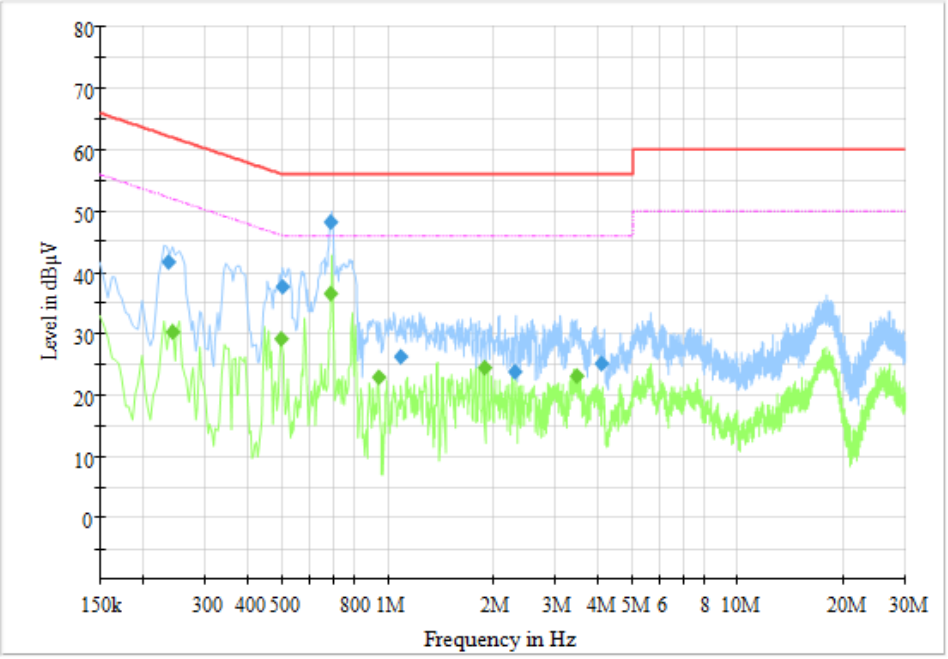


Figure B.16 Conducted Emission(Set.3, Data Transfer Mode/PC to TF Card)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.236	41.68	62.24	20.55	L1	9.6	32.08
0.5	37.68	56	18.32	L1	9.6	28.08
0.688	48.3	56	7.7	L1	9.6	38.7
1.088	26.25	56	29.75	N	9.7	16.55
2.304	23.9	56	32.1	N	9.7	14.2
4.056	25.13	56	30.87	L1	9.7	15.43

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.242	30.24	52.03	21.78	L1	9.6	20.64
0.496	29.24	46.07	16.83	L1	9.6	19.64
0.688	36.65	46	9.35	L1	9.6	27.05
0.936	23.01	46	22.99	N	9.7	13.31
1.88	24.53	46	21.47	N	9.7	14.83
3.456	23.03	46	22.97	L1	9.7	13.33

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

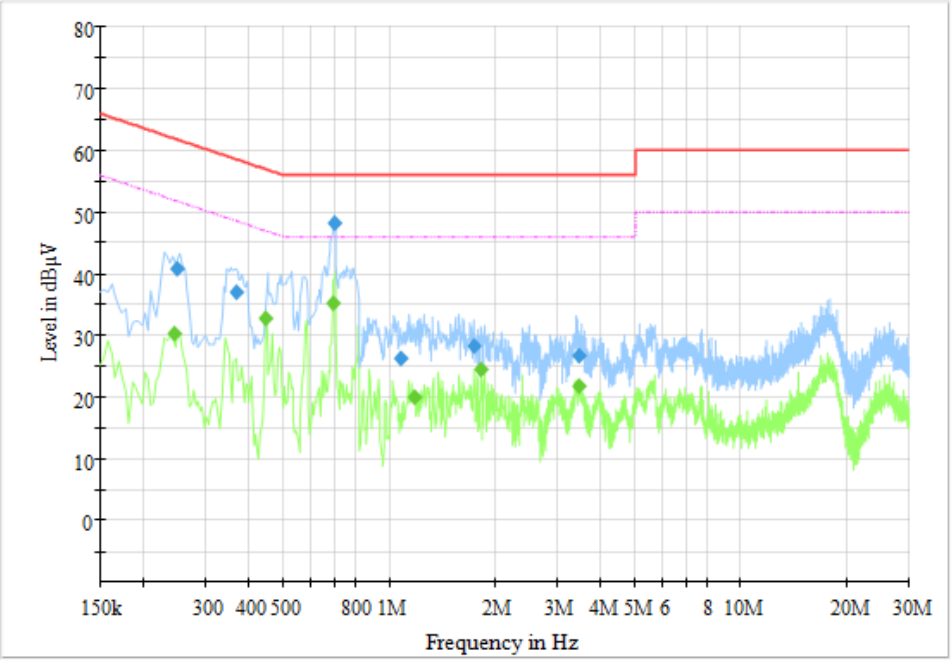


Figure B.17 Conducted Emission(Set.3, Data Transfer Mode/TF Card to PC)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.25	40.8	61.76	20.95	L1	9.6	31.2
0.368	37.06	58.55	21.48	L1	9.6	27.46
0.7	48.27	56	7.73	L1	9.6	38.67
1.072	26.37	56	29.63	L1	9.7	16.67
1.744	28.22	56	27.78	N	9.7	18.52
3.46	26.71	56	29.29	L1	9.7	17.01

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.244	30.33	51.96	21.63	L1	9.6	20.73
0.444	32.66	46.99	14.32	L1	9.6	23.06
0.692	35.32	46	10.68	L1	9.6	25.72
1.176	19.93	46	26.07	N	9.7	10.23
1.82	24.49	46	21.51	N	9.7	14.79
3.472	21.82	46	24.18	L1	9.7	12.12

©Copyright. All rights reserved by SAICT.

AC Input Port/ Voltage: 120V/60Hz

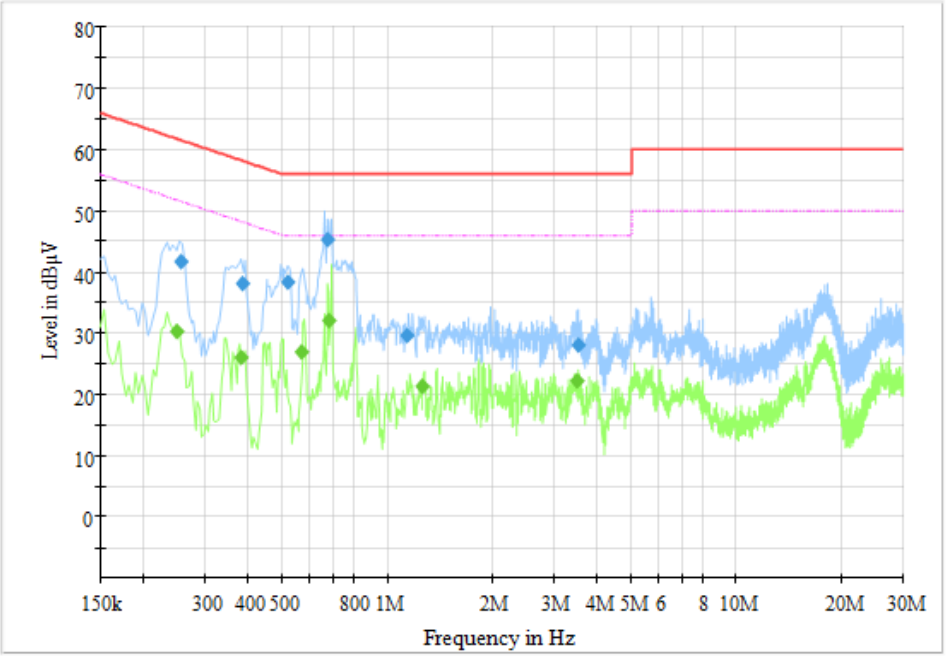


Figure B.18 Conducted Emission(Set.4, Data Transfer Mode/EUT to PC)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.256	41.61	61.56	19.95	L1	9.6	32.01
0.384	38.14	58.19	20.05	L1	9.6	28.54
0.516	38.3	56	17.7	L1	9.6	28.7
0.672	45.2	56	10.8	L1	9.6	35.6
1.136	29.68	56	26.32	L1	9.7	19.98
3.532	28.03	56	27.97	L1	9.7	18.33

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.25	30.32	51.76	21.44	L1	9.6	20.72
0.38	26	48.28	22.28	L1	9.6	16.4
0.568	26.97	46	19.03	L1	9.6	17.37
0.68	32.15	46	13.85	N	9.6	22.55
1.26	21.38	46	24.62	L1	9.7	11.68
3.492	22.26	46	23.74	L1	9.7	12.56

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

©Copyright. All rights reserved by SAICT.