TEST REPORT

No.I20N02376-EMC

for

Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd

Feature phone

Model Name：CP3321AT

With

Hardware Version: P1

Software Version: 3321AT.201014.2S

FCC ID: R38YLCP3321AT

Issued Date: 2020-10-26

Designation Number: CN1210

Note:

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

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@caict.ac.cn. www.saict.ac.cn

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I20N02376-EMC	Rev.0	1st edition	2020-10-26

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

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1. Summary of Test Report

1.1. Test Items

Description	Feature phone
Model Name	CP3321AT
Applicant's name	Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd
Manufacturer's Name	Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd

1.2. Test Standards

FCC Part 15, Subpart B 10-1-2019 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: 2020-09-02 Testing End Date: 2020-10-25

1.6. Signature

Ma Shoujian
(Prepared this test report)

Zhang Yunzhuan
(Reviewed this test report)

Cao Junfei
(Approved this test report)

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2. ClientInformation

2.1. Applicant Information

Company Name:	Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd
Address:	Building B, Boton Science Park, Chaguang Road, Xili Town, Nanshan District, Shenzhen
Contact:	Yentl Chen
E-mail	chenyanting@yulong.com
Tel:	+86 15927320221

2.2. Manufacturer Information

Company Name:	Yulong Computer Telecommunication Scientific (Shenzhen) Co., Ltd
Address:	Building B, Boton Science Park, Chaguang Road, Xili Town, Nanshan District, Shenzhen
Contact:	Yentl Chen
E-mail	chenyanting@yulong.com
Tel:	+86 15927320221

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

3.1. About EUT

Description	Feature phone
Model Name	CP3321AT
FCC ID	R38YLCP3321AT
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	990016030008351	P1	3321AT.201014.2S	2020-09-16
UT03aa	990016030008328	P1	3321AT.201014.2S	2020-09-16

*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	Travel Charger
AE3	Micro B Cable
AE4	Stereo Earphone

AE1-1

Type	Li-ion
Manufacturer	Tianjin Lishen
Capacity	1500mAh
Nominal Voltage	3.8V

AE1-2

Type	Li-ion
Manufacturer	Zhongshan Tianmao
Capacity	1500mAh
Nominal Voltage	3.8V

AE2-1

Model	618045
Manufacturer	Shenzhen Kosun

AE2-2

Model	RD0501000-USBA-18MG
Manufacturer	Shenzhen Ruide

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AE3-1

Type	USB A To Micro B
Manufacturer	Shenzhen BRL

AE3-2

Type	USB A To Micro B
Manufacturer	Shenzhen Kosun

AE4

Model	/
Manufacturer	/

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

AE: ancillary equipment

AE4 is just for testing.

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE
Set.1	UT01aa+AE1-1+AE2-1+AE3-1
Set.2	UT01aa+AE1-1+AE2-2+AE3-2
Set.3	UT03aa+AE1-1+AE2-1+AE3-1
Set.4	UT03aa+AE1-1+AE2-2+AE3-2
Set.5	UT01aa+AE1-1
Set.6	UT03aa+AE1-1
Set.7	UT01aa+AE1-1+AE4-1
Set.8	UT01aa+AE1-1+AE3-1+PC
Set.9	UT01aa+AE1-1+AE3-2+PC

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3.5. General Description

The Equipment Under Test (EUT) is a model of Feature phone with internal antenna.

It supports GSM 850/900/1800/1900MHz, CDMA BC0/BC1/BC10,WCDMA Bands 2/4/5, and LTE Bands 2/3/4/5/12/13/17/25/26/41/66/71.

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

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

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

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

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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

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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

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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)	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.

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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	100701	R&S	2021.08.09	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	2021.07.16	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.	Universal Radio Communication Tester	CMW500	152499	R&S	2021.07.16	1 year
9.	Signal Generator	SMB100A	179725	R&S	2020.11.27	1 year
10.	Chamber	FACT3-2.0	1285	ETS-Lindgren	2021.07.19	2 years
11.	Software	EMC32	V10.01.00	R&S	/	/
12.	Filter	HPF_3G18G-SMA	/	SKET	/	/
13.	Filter	HPF_6.3G21G-SMA	/	SKET	/	/

9. Test Accessory Utilized

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

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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.

Bluetooth: The EUT is connected to a charger for charging. The EUT is connected to a PC for transmitting data by Bluetooth function. The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C.

Wi-Fi: The EUT is connected to a charger for charging. The EUT is Working as Wi-Fi terminal and connected with System Simulator (SS). After the EUT has been allocated an IP address, establish a communication link between the EUT and System Simulator (SS).

GNSS: The EUT is connected to a charger for charging. A vector signal generator is used to provide the simulated GNSS signal, and the frequency is set to 1575.42 MHz. Before the test starts, the integrated GNSS application in EUT is started up and locked to the simulated GNSS signal.

Meanwhile, the EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

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

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

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

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

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

GSM850MHz, WCDMA Band 5, LTE Band 5, LTE Band 12, LTE Band 13, LTE Band 17, LTE Band 26 and LTE Band 71.

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. Only the worst case emissions are reported.

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

A.1.3 Measurement Limit

Limit from 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.

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

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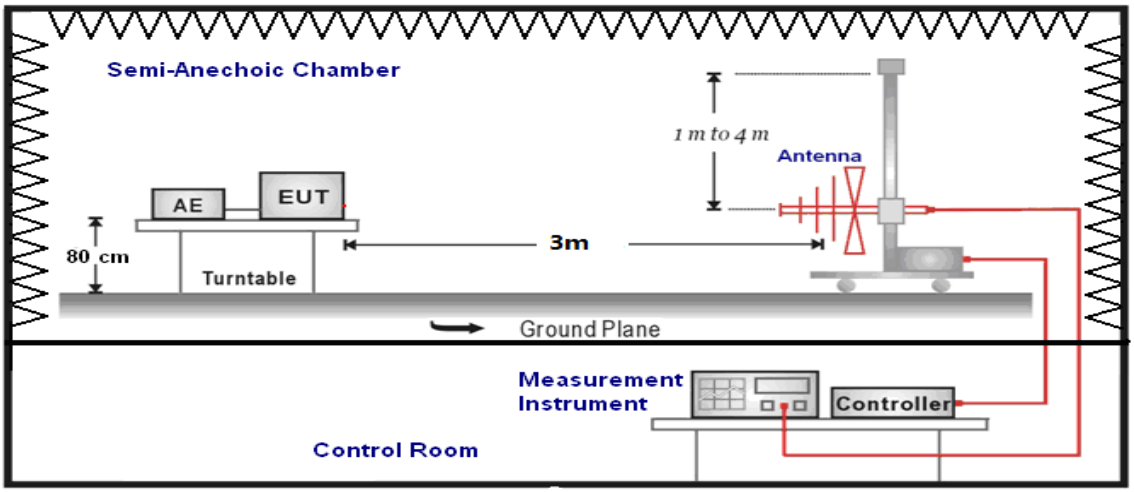
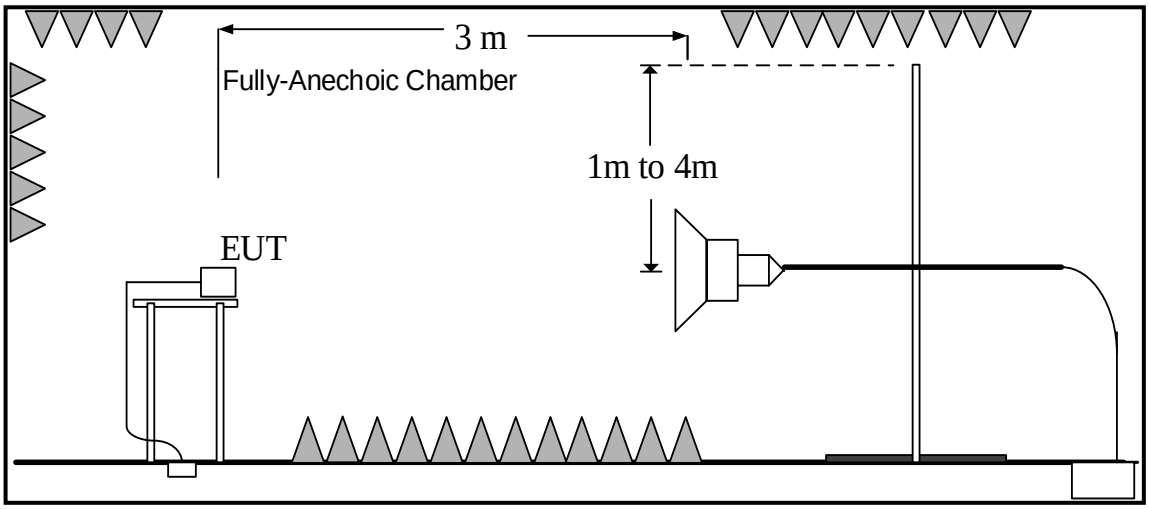
A.1.5 Test set-up:

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

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

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GSM Receiver 850MHz

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

WCDMA Receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.3	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 18000	54	74	See Figure A.4	P

CDMA Receiver BC0

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.5	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 18000	54	74	See Figure A.6	P

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CDMA Receiver BC10

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 18000	54	74	See Figure A.8	P

LTE Receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.9	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 18000	54	74	See Figure A.10	P

LTE Receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.11	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 18000	54	74	See Figure A.12	P

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LTE Receiver Band 13

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 18000	54	74	See Figure A.14	P

LTE Receiver Band 17

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.15	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 18000	54	74	See Figure A.16	P

LTE Receiver Band 26

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.17	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 18000	54	74	See Figure A.18	P

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LTE Receiver Band 71

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	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.1	Conclusion
1000 to 18000	54	74	See Figure A.20	P

GSM Receiver 850MHz

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.4	Conclusion
30-88	40	See Figure A.21	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 18000	54	74	See Figure A.22	P

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.7	Conclusion
30-88	40	See Figure A.23	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.7	Conclusion
1000 to 18000	54	74	See Figure A.24	P

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Video Player

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	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.1	Conclusion
1000 to 18000	54	74	See Figure A.26	P

Camera

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.27	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 18000	54	74	See Figure A.28	P

Camera

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.3	Conclusion
30-88	40	See Figure A.29	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 18000	54	74	See Figure A.30	P

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Wi-Fi

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	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.1	Conclusion
1000 to 18000	54	74	See Figure A.32	P

Bluetooth

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.1	Conclusion
30-88	40	See Figure A.33	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 18000	54	74	See Figure A.34	P

GPS

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.5	Conclusion
30-88	40	See Figure A.35	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.5	Conclusion
1000 to 18000	54	74	See Figure A.36	P

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GLONASS

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.5	Conclusion
30-88	40	See Figure A.37	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.5	Conclusion
1000 to 18000	54	74	See Figure A.38	P

Data Transfer : EUT to PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.8	Conclusion
30-88	40	See Figure A.39	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.8	Conclusion
1000 to 18000	54	74	See Figure A.40	P

Data Transfer : PC to EUT

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.8	Conclusion
30-88	40	See Figure A.41	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.8	Conclusion
1000 to 18000	54	74	See Figure A.42	P

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Data Transfer : PC to TF Card

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.8	Conclusion
30-88	40	See Figure A.43	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.8	Conclusion
1000 to 18000	54	74	See Figure A.44	P

Data Transfer : TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.8	Conclusion
30-88	40	See Figure A.45	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.8	Conclusion
1000 to 18000	54	74	See Figure A.46	P

Data Transfer : TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dBμV/m)	Result (dBμV/m) Set.9	Conclusion
30-88	40	See Figure A.47	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.9	Conclusion
1000 to 18000	54	74	See Figure A.48	P

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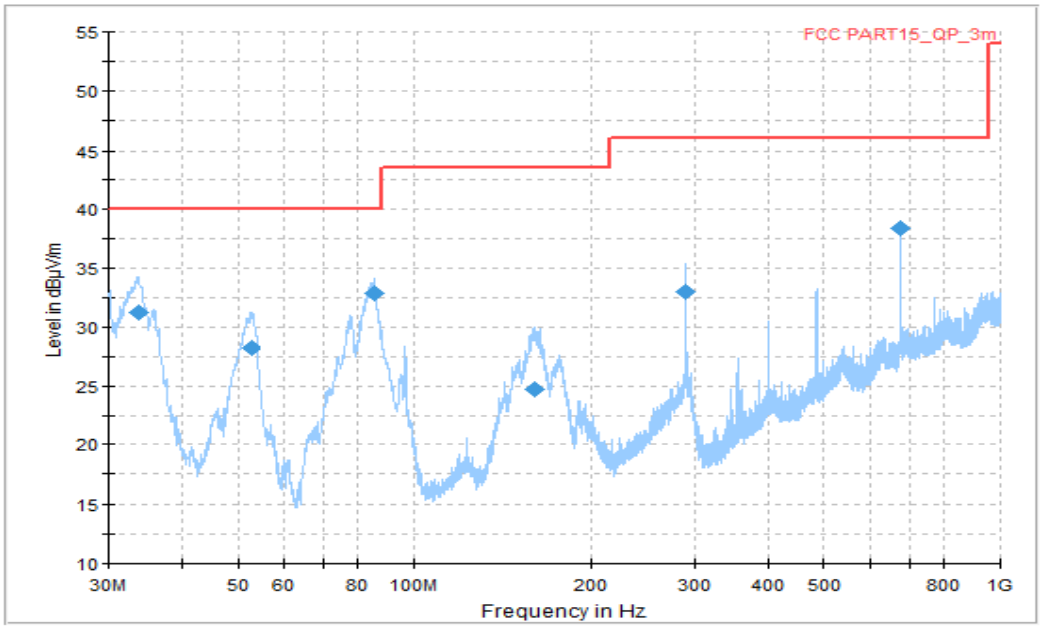

Figure A.1 Radiated Emission (Set.1, GSM Receiver 850MHz, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.758750	31.25	40.00	8.75	V	-15	46.25
52.613125	28.25	40.00	11.75	V	-22	50.25
85.411250	32.88	40.00	7.12	V	-22	54.88
159.980000	24.67	43.52	18.85	V	-17	41.67
290.141875	32.95	46.02	13.07	H	-14	46.95
674.201250	38.42	46.02	7.60	H	-3	41.42

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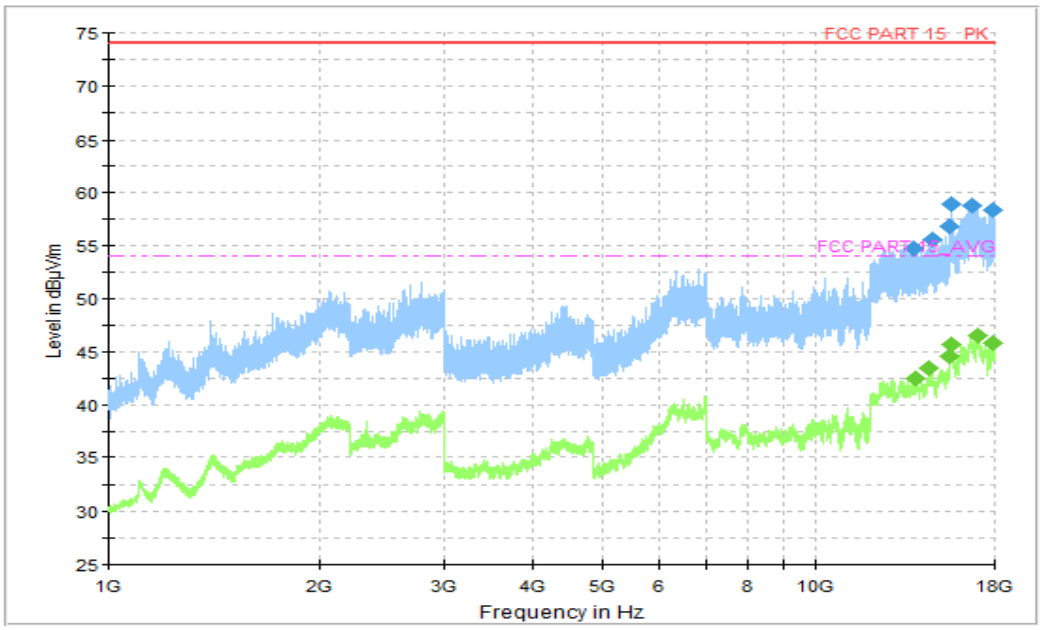

Figure A.2 Radiated Emission (Set.1, GSM Receiver 850MHz, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13825.250000	54.68	74.00	19.32	H	17	37.68
14681.000000	55.62	74.00	18.38	H	18	37.62
15568.750000	56.90	74.00	17.10	V	20	36.9
15659.750000	58.96	74.00	15.04	V	20	38.96
16709.250000	58.81	74.00	15.19	H	21	37.81
17881.750000	58.42	74.00	15.58	V	24	34.42

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13955.500000	42.47	54.00	11.53	V	17	25.47
14561.500000	43.48	54.00	10.52	V	18	25.48
15577.500000	44.61	54.00	9.39	H	20	24.61
15680.250000	45.73	54.00	8.27	H	20	25.73
17020.250000	46.48	54.00	7.52	H	23	23.48
17891.750000	45.79	54.00	8.21	V	24	21.79

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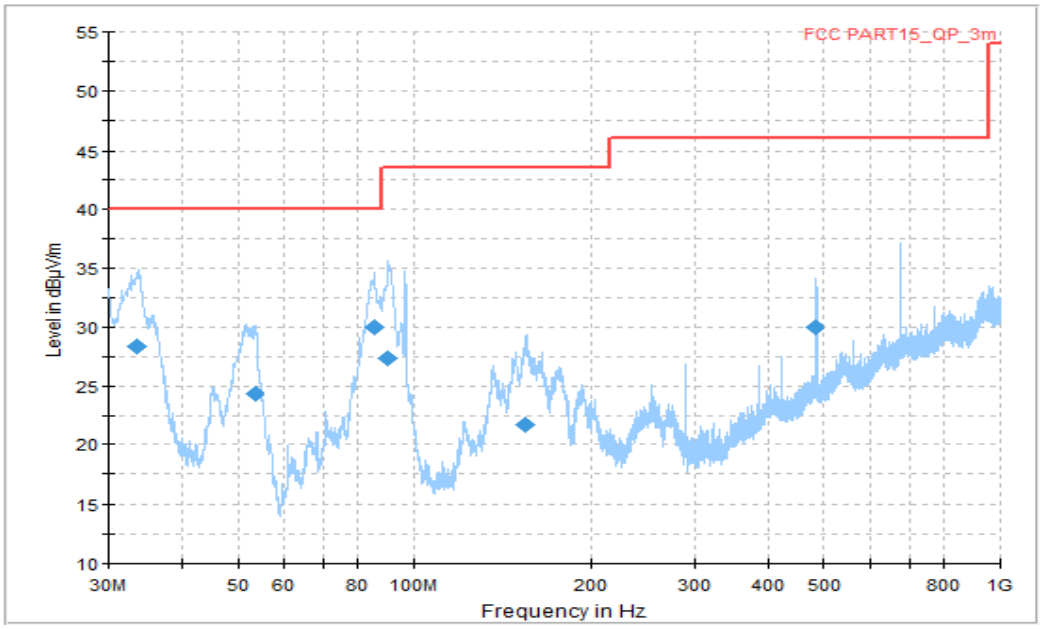

Figure A.3 Radiated Emission (Set.1, WCDMA Receiver Band 5, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.395000	28.33	40.00	11.67	V	-15	43.33
53.401250	24.36	40.00	15.64	V	-22	46.36
85.532500	29.96	40.00	10.04	V	-22	51.96
90.382500	27.34	43.52	16.18	V	-21	48.34
155.008750	21.65	43.52	21.87	V	-17	38.65
481.595625	30.00	46.02	16.02	H	-7	37

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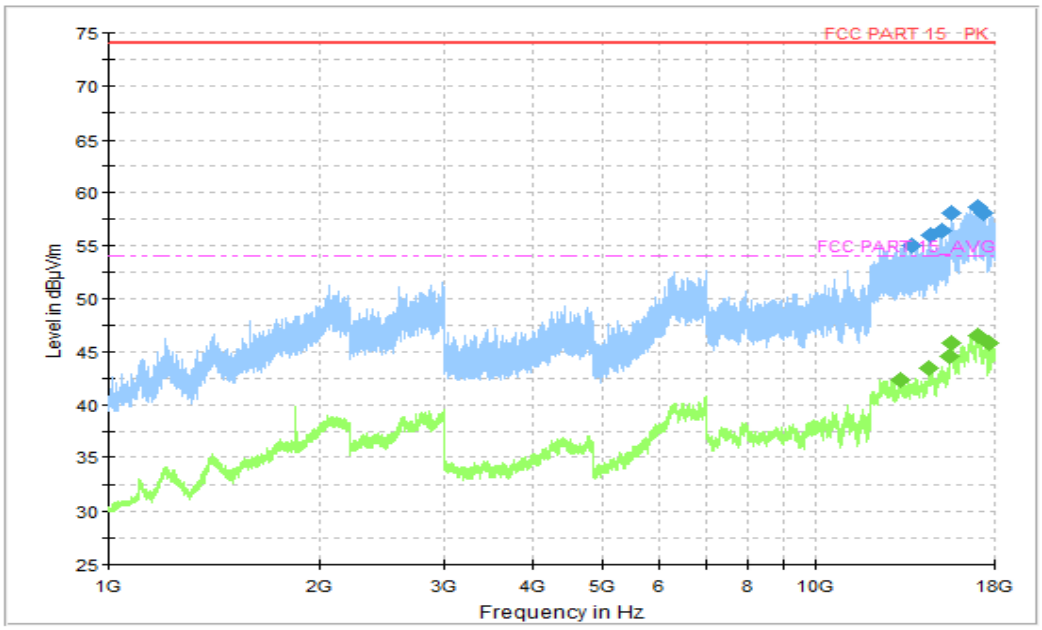

Figure A.4 Radiated Emission (Set.1, WCDMA Receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13776.000000	55.01	74.00	18.99	H	17	38.01
14584.250000	56.00	74.00	18.00	V	18	38
15181.500000	56.38	74.00	17.62	H	18	38.38
15661.000000	58.16	74.00	15.84	V	20	38.16
17008.750000	58.70	74.00	15.30	H	23	35.7
17376.750000	58.13	74.00	15.87	H	22	36.13

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13254.000000	42.32	54.00	11.68	V	17	25.32
14558.250000	43.39	54.00	10.61	H	18	25.39
15576.000000	44.58	54.00	9.42	H	20	24.58
15664.250000	45.79	54.00	8.21	V	20	25.79
17021.000000	46.54	54.00	7.46	V	23	23.54
17700.750000	45.83	54.00	8.17	V	23	22.83

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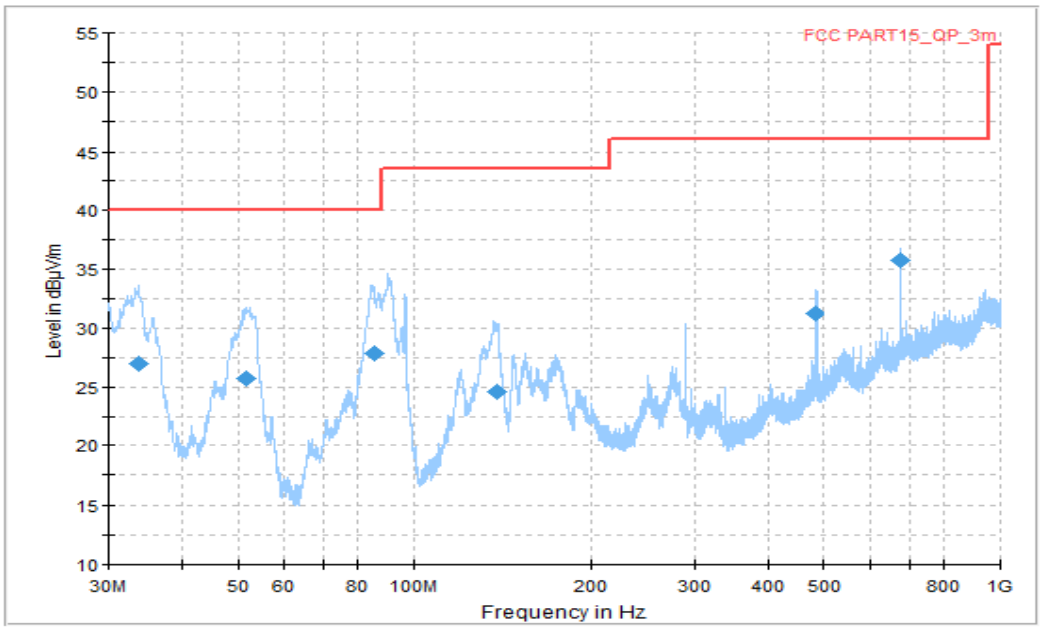

Figure A.5 Radiated Emission (Set.1, CDMA Receiver BC0, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.698125	26.91	40.00	13.09	V	-15	41.91
51.340000	25.74	40.00	14.26	V	-22	47.74
85.471875	27.87	40.00	12.13	V	-22	49.87
138.700625	24.53	43.52	18.99	V	-20	44.53
481.595625	31.24	46.02	14.78	H	-7	38.24
676.868750	35.81	46.02	10.21	H	-3	38.81

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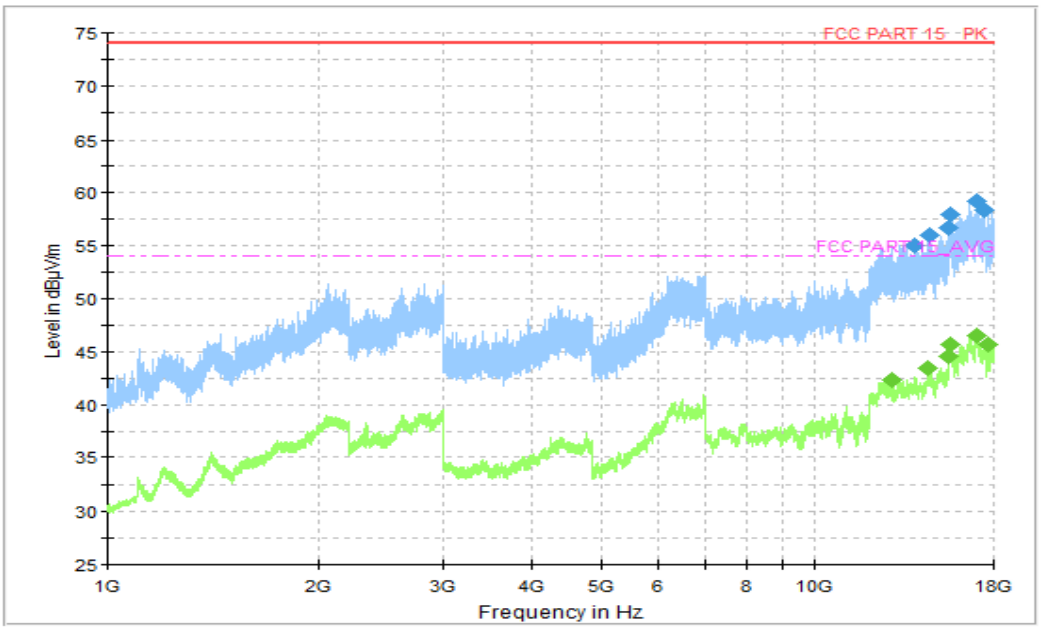

Figure A.6 Radiated Emission (Set.1, CDMA Receiver BC0, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13956.500000	55.08	74.00	18.92	H	17	38.08
14572.250000	56.07	74.00	17.93	H	18	38.07
15558.750000	56.71	74.00	17.29	H	19	37.71
15643.000000	57.99	74.00	16.01	V	20	37.99
17028.000000	59.15	74.00	14.85	V	23	36.15
17485.750000	58.34	74.00	15.66	H	22	36.34

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12900.750000	42.32	54.00	11.68	V	17	25.32
14558.500000	43.38	54.00	10.62	V	18	25.38
15577.500000	44.56	54.00	9.44	V	20	24.56
15671.250000	45.67	54.00	8.33	H	20	25.67
17024.500000	46.55	54.00	7.45	V	23	23.55
17700.250000	45.67	54.00	8.33	V	23	22.67

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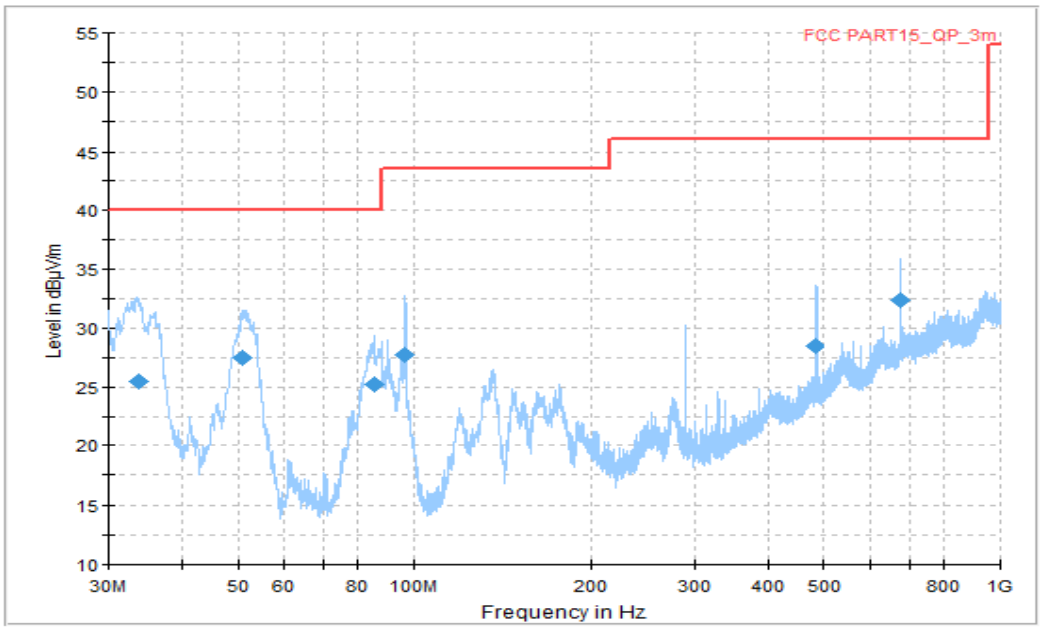

Figure A.7 Radiated Emission (Set.1, CDMA Receiver BC10, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.637500	25.49	40.00	14.51	V	-15	40.49
50.673125	27.48	40.00	12.52	V	-22	49.48
85.471875	25.20	40.00	14.80	V	-22	47.2
96.323750	27.74	43.52	15.78	V	-21	48.74
481.595625	28.48	46.02	17.54	H	-7	35.48
676.868750	32.32	46.02	13.70	H	-3	35.32

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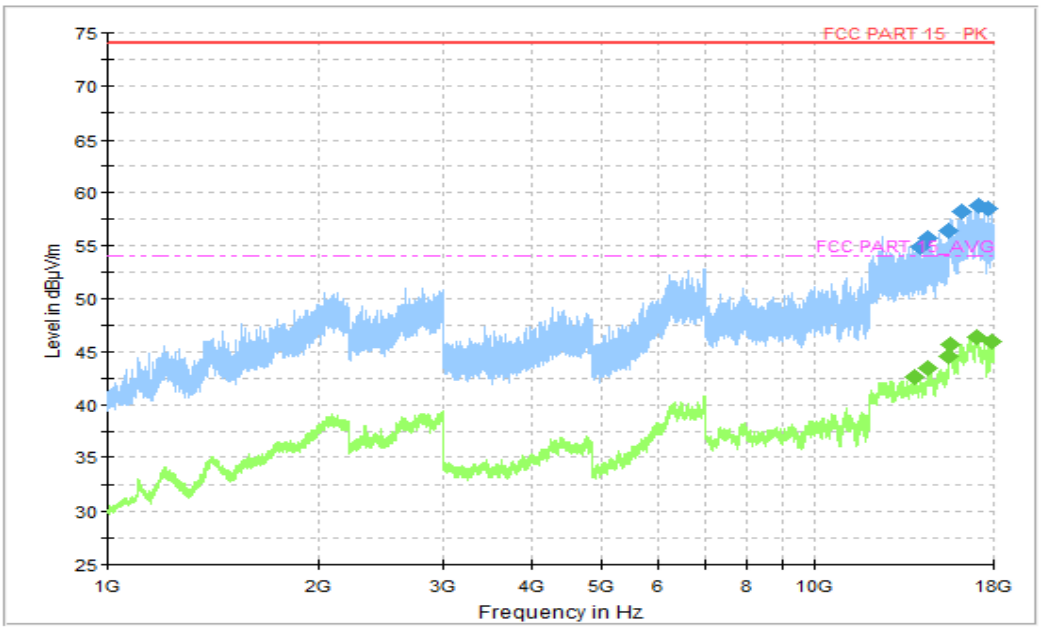

Figure A.8 Radiated Emission (Set.1, CDMA Receiver BC10, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
14135.000000	54.93	74.00	19.07	H	17	37.93
14547.250000	55.72	74.00	18.28	H	18	37.72
15567.250000	56.46	74.00	17.54	H	20	36.46
16245.500000	58.21	74.00	15.79	V	21	37.21
17096.250000	58.75	74.00	15.25	H	22	36.75
17666.500000	58.45	74.00	15.55	V	23	35.45

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13946.500000	42.58	54.00	11.42	H	17	25.58
14559.000000	43.50	54.00	10.50	V	18	25.5
15576.250000	44.60	54.00	9.40	V	20	24.6
15667.750000	45.73	54.00	8.27	H	20	25.73
17017.500000	46.39	54.00	7.61	H	23	23.39
17895.000000	45.88	54.00	8.12	H	24	21.88

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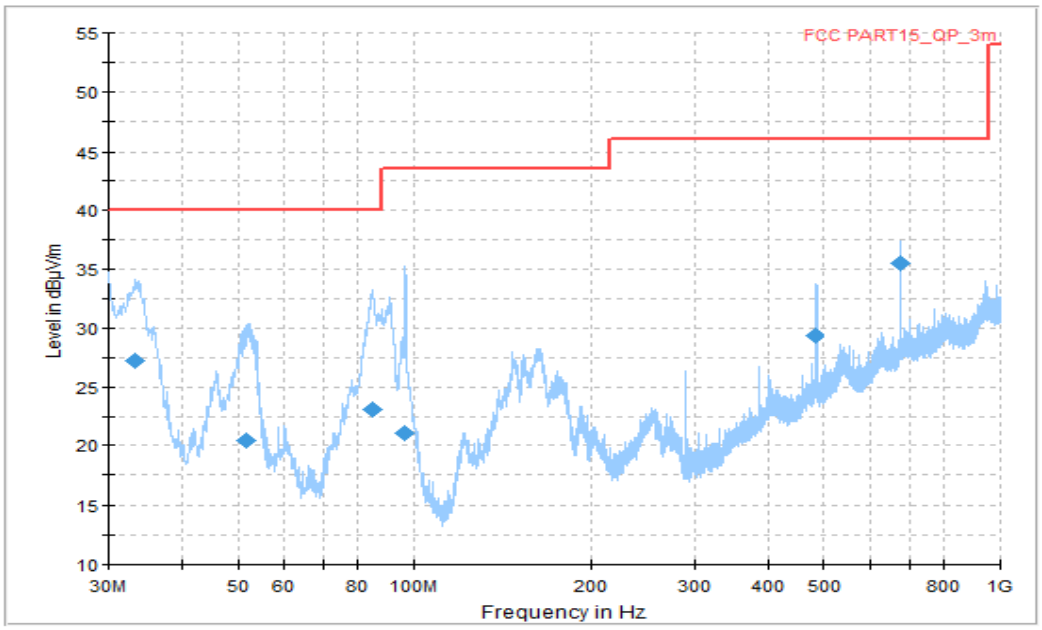

Figure A.9 Radiated Emission (Set.1, LTE Receiver Band 5, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.334375	27.26	40.00	12.74	V	-15	42.26
51.340000	20.49	40.00	19.51	V	-22	42.49
84.805000	23.07	40.00	16.93	V	-22	45.07
96.323750	21.12	43.52	22.40	V	-21	42.12
481.535000	29.32	46.02	16.70	H	-7	36.32
677.111250	35.50	46.02	10.52	H	-3	38.50

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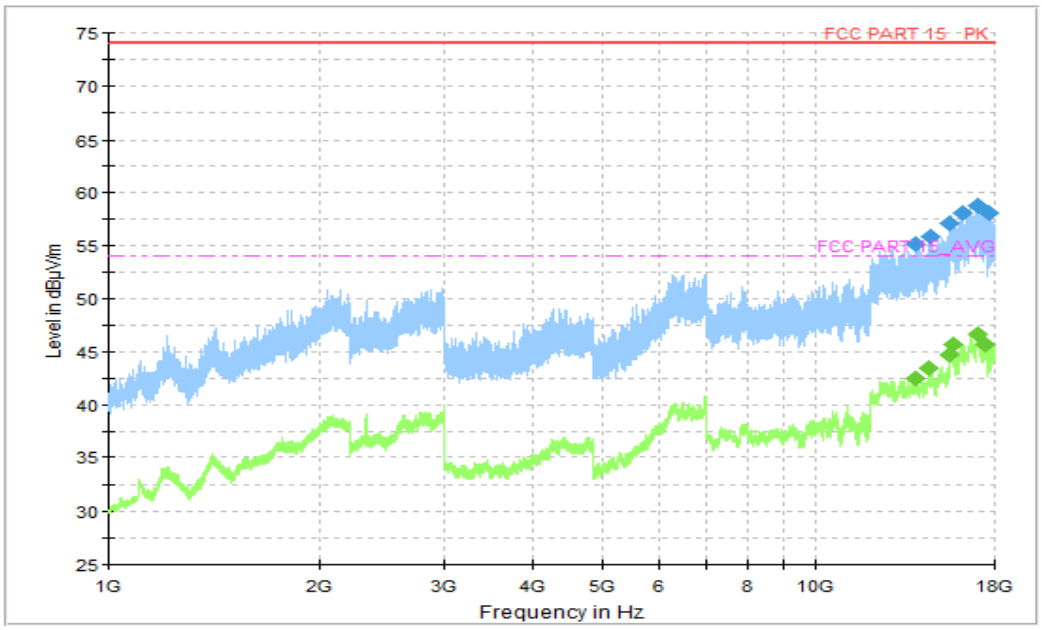

Figure A.10 Radiated Emission (Set.1, LTE Receiver Band 5 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13899.000000	55.18	74.00	18.82	H	17	38.18
14596.750000	55.80	74.00	18.20	H	18	37.80
15566.500000	57.18	74.00	16.82	H	20	37.18
16196.000000	58.11	74.00	15.89	V	21	37.11
17078.500000	58.75	74.00	15.25	V	22	36.75
17697.500000	58.07	74.00	15.93	V	23	35.07

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13955.250000	42.43	54.00	11.57	H	17	25.43
14572.000000	43.48	54.00	10.52	V	18	25.48
15575.750000	44.67	54.00	9.33	H	20	24.67
15697.750000	45.69	54.00	8.31	H	20	25.69
17017.750000	46.65	54.00	7.35	V	23	23.65
17484.500000	45.72	54.00	8.28	H	22	23.72

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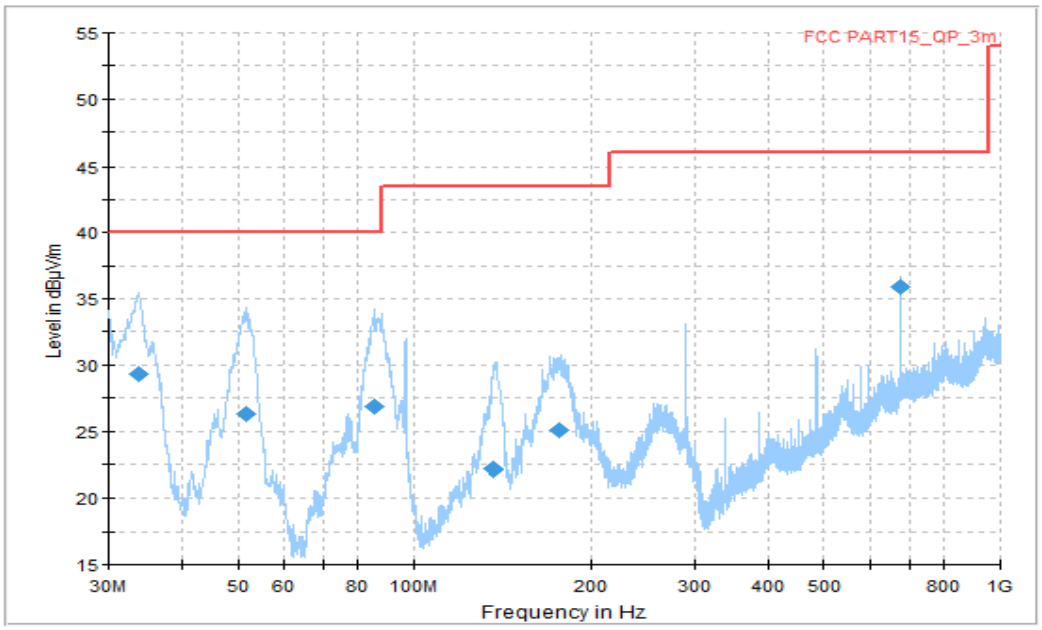

Figure A.11 Radiated Emission (Set.1, LTE Receiver Band 12, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.637500	29.28	40.00	10.72	V	-15	44.28
51.279375	26.24	40.00	13.76	V	-22	48.24
85.411250	26.83	40.00	13.17	V	-22	48.83
136.760625	22.13	43.52	21.39	V	-20	42.13
175.985000	25.02	43.52	18.50	V	-18	43.02
674.261875	35.93	46.02	10.09	H	-3	38.93

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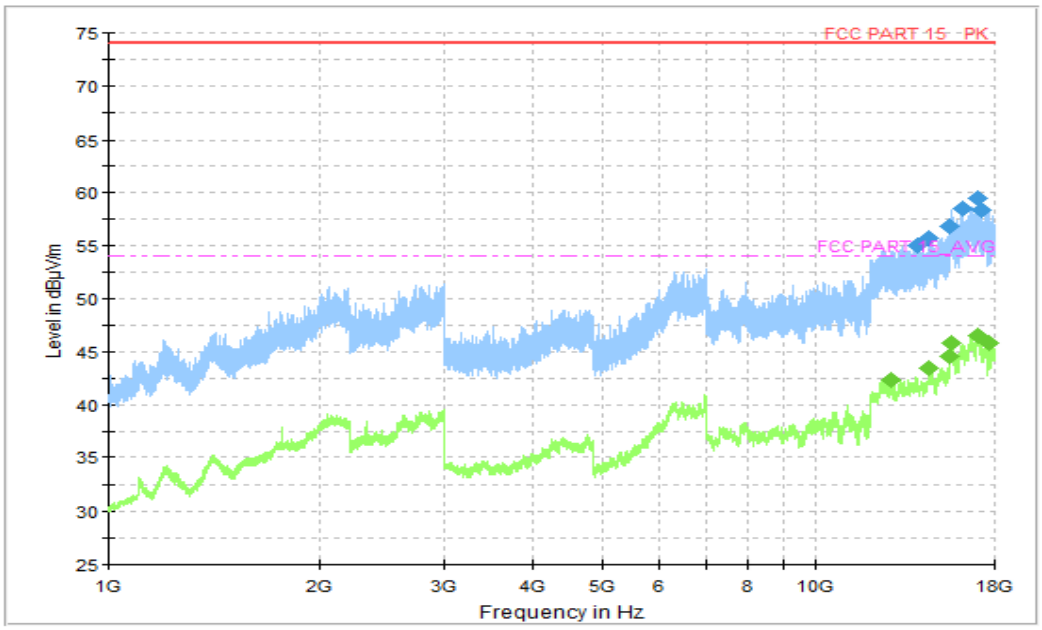

Figure A.12 Radiated Emission (Set.1, LTE Receiver Band 12 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13967.750000	54.97	74.00	19.03	V	17	37.97
14497.500000	55.79	74.00	18.21	H	18	37.79
15576.000000	56.85	74.00	17.15	V	20	36.85
16262.000000	58.56	74.00	15.44	H	21	37.56
17059.750000	59.49	74.00	14.51	H	22	37.49
17234.750000	58.37	74.00	15.63	V	22	36.37

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12886.250000	42.29	54.00	11.71	H	17	25.29
14561.750000	43.42	54.00	10.58	H	18	25.42
15569.000000	44.57	54.00	9.43	H	20	24.57
15660.000000	45.76	54.00	8.24	H	20	25.76
17020.500000	46.55	54.00	7.45	H	23	23.55
17693.750000	45.87	54.00	8.13	V	23	22.87

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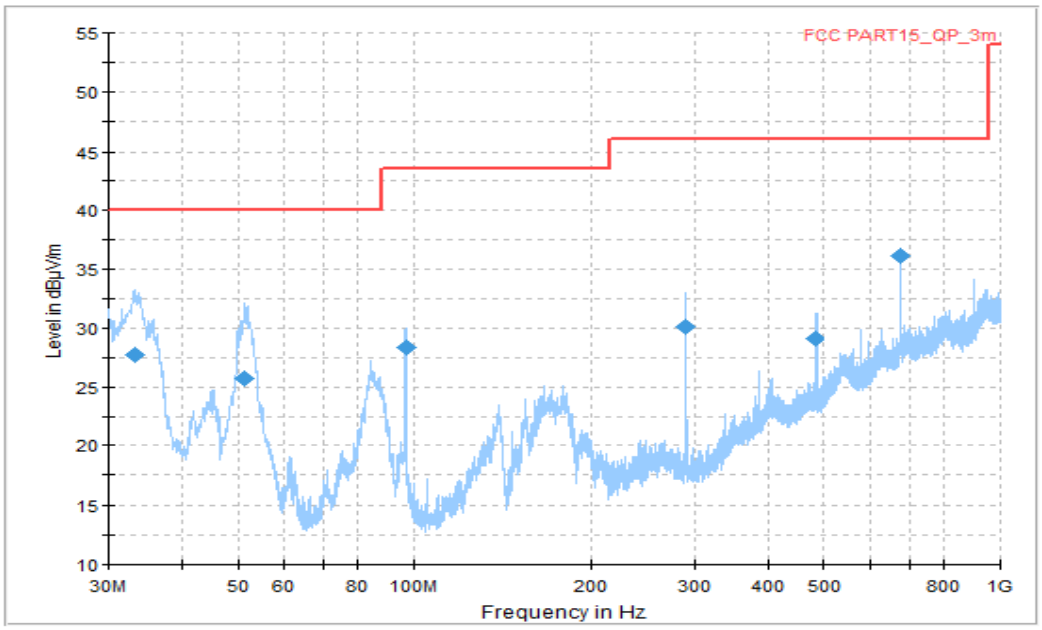

Figure A.13 Radiated Emission (Set.1, LTE Receiver Band 13, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.152500	27.76	40.00	12.24	V	-15	42.76
51.036875	25.71	40.00	14.29	V	-22	47.71
96.687500	28.36	43.52	15.16	V	-20	48.36
288.929375	30.06	46.02	15.96	H	-14	44.06
481.595625	29.07	46.02	16.95	H	-7	36.07
674.140625	36.11	46.02	9.91	H	-3	39.11

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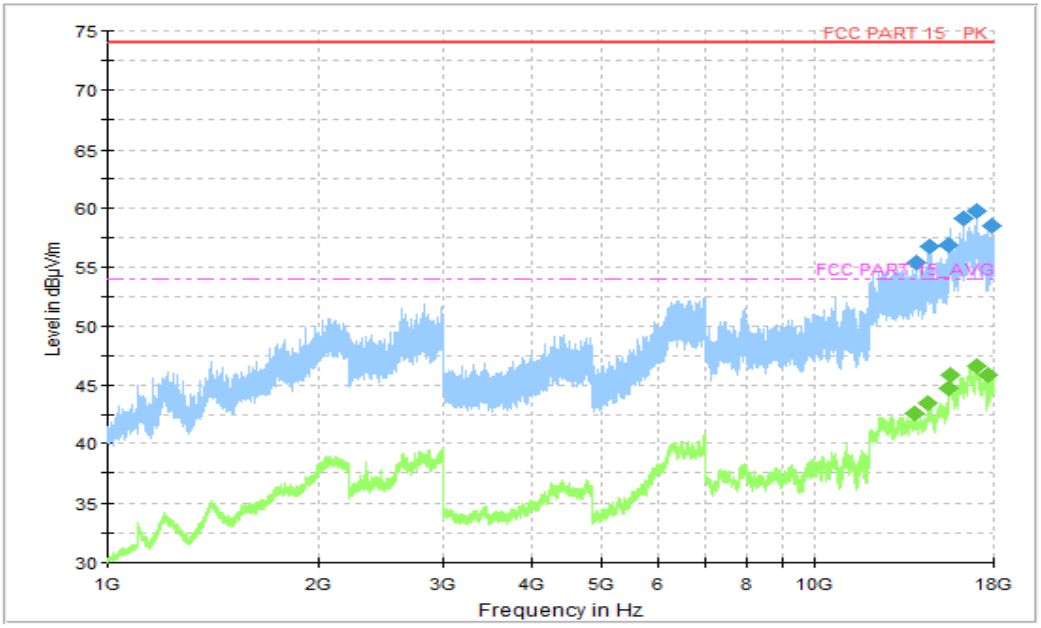

Figure A.14 Radiated Emission (Set.1, LTE Receiver Band 13 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13969.250000	55.37	74.00	18.63	V	17	38.37
14575.000000	56.77	74.00	17.23	H	18	38.77
15555.750000	56.96	74.00	17.04	H	19	37.96
16276.500000	59.15	74.00	14.85	H	21	38.15
17031.250000	59.82	74.00	14.18	H	22	37.82
17892.250000	58.56	74.00	15.44	V	24	34.56

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13959.250000	42.55	54.00	11.45	V	17	25.55
14572.000000	43.50	54.00	10.50	V	18	25.50
15576.500000	44.70	54.00	9.30	H	20	24.7
15667.000000	45.85	54.00	8.15	H	20	25.85
17021.000000	46.57	54.00	7.43	V	23	23.57
17703.750000	45.89	54.00	8.11	V	23	22.89

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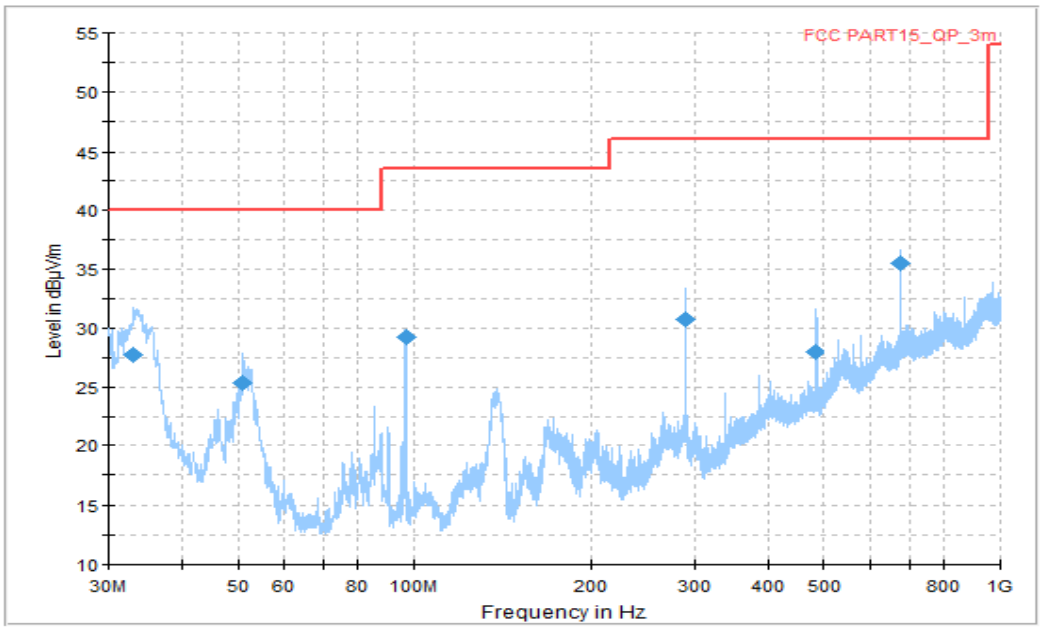

Figure A.15 Radiated Emission (Set.1, LTE Receiver Band 17, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
32.970625	27.74	40.00	12.26	V	-15	42.74
50.855000	25.38	40.00	14.62	V	-22	47.38
96.687500	29.22	43.52	14.30	V	-20	49.22
290.141875	30.77	46.02	15.25	H	-14	44.77
481.595625	27.93	46.02	18.09	H	-7	34.93
677.171875	35.48	46.02	10.54	H	-3	38.48

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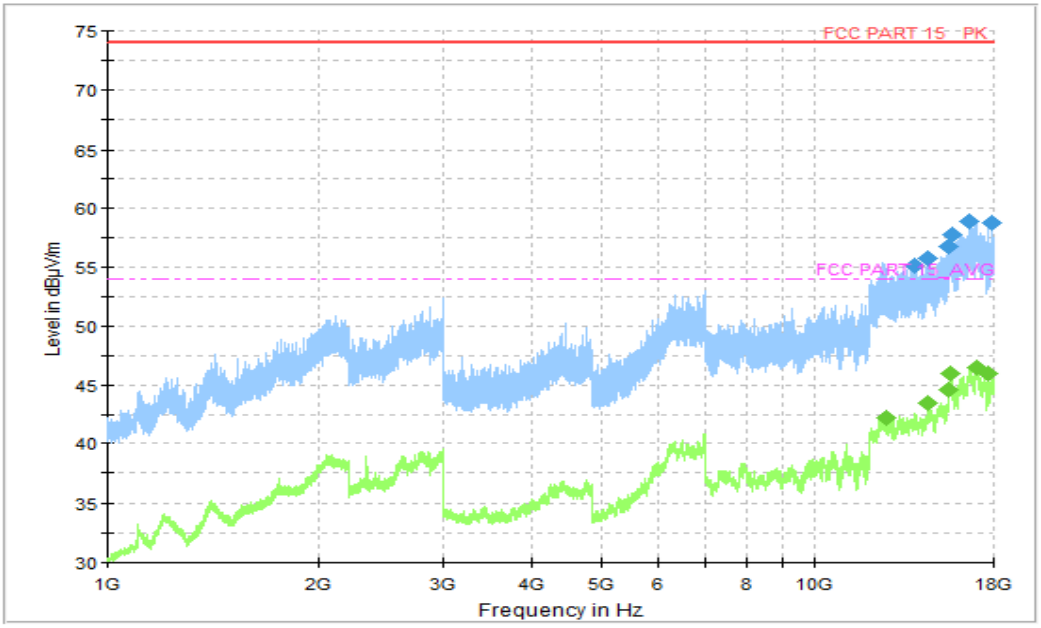

Figure A.16 Radiated Emission (Set.1, LTE Receiver Band 17 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13897.000000	55.11	74.00	18.89	V	17	38.11
14555.250000	55.77	74.00	18.23	V	18	37.77
15551.000000	56.75	74.00	17.25	H	19	37.75
15683.250000	57.78	74.00	16.22	V	20	37.78
16667.750000	58.87	74.00	15.13	H	22	36.87
17876.250000	58.75	74.00	15.25	V	24	34.75

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12663.250000	42.16	54.00	11.84	V	17	25.16
14558.500000	43.39	54.00	10.61	V	18	25.39
15576.750000	44.61	54.00	9.39	H	20	24.61
15663.750000	45.92	54.00	8.08	H	20	25.92
17024.250000	46.48	54.00	7.52	V	23	23.48
17704.000000	45.94	54.00	8.06	H	23	22.94

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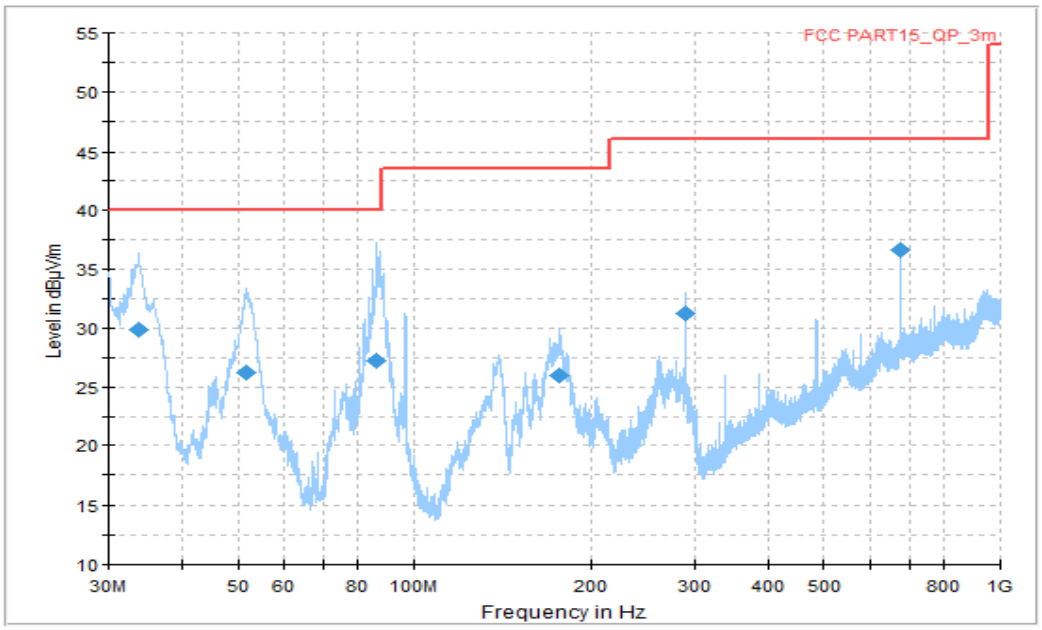

Figure A.17 Radiated Emission (Set.1, LTE Receiver Band 26, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.758750	29.85	40.00	10.15	V	-15	44.85
51.279375	26.22	40.00	13.78	V	-22	48.22
86.260000	27.19	40.00	12.81	V	-22	49.19
176.651875	26.02	43.52	17.50	V	-18	44.02
288.990000	31.19	46.02	14.83	H	-14	45.19
674.201250	36.68	46.02	9.34	H	-3	39.68

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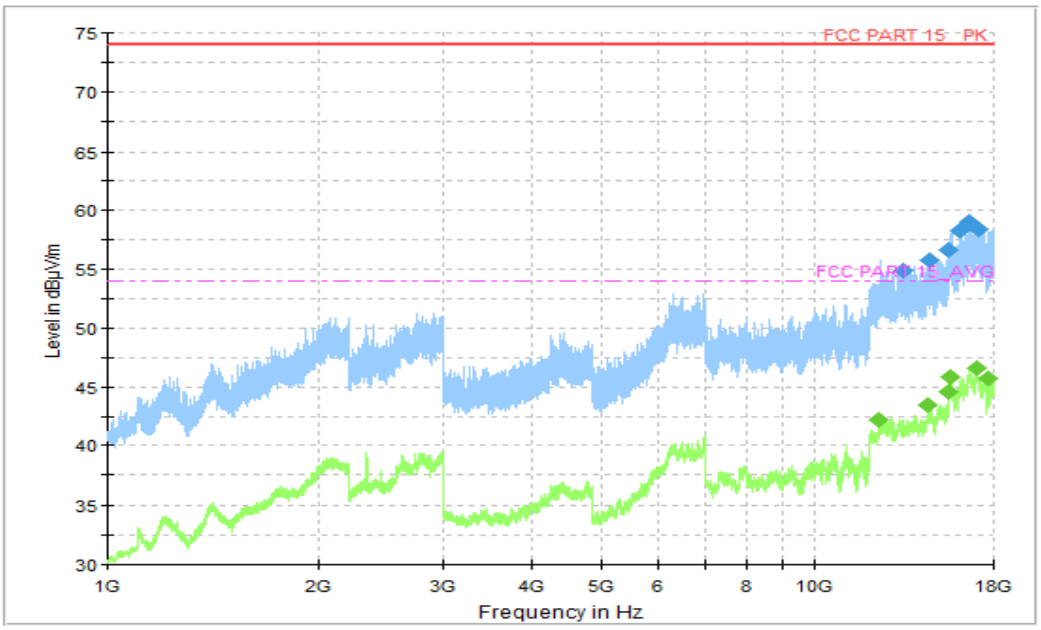

Figure A.18 Radiated Emission (Set.1, LTE Receiver Band 26 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13392.500000	54.84	74.00	19.16	H	17	37.84
14598.500000	55.76	74.00	18.24	H	18	37.76
15575.500000	56.59	74.00	17.41	V	20	36.59
16164.250000	58.24	74.00	15.76	H	21	37.24
16594.500000	59.01	74.00	14.99	V	22	37.01
17156.500000	58.44	74.00	15.56	H	21	37.44

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12426.250000	42.14	54.00	11.86	V	17	25.14
14558.500000	43.46	54.00	10.54	V	18	25.46
15569.250000	44.63	54.00	9.37	V	20	24.63
15657.000000	45.79	54.00	8.21	V	20	25.79
17021.000000	46.64	54.00	7.36	H	23	23.64
17693.000000	45.76	54.00	8.24	H	23	22.76

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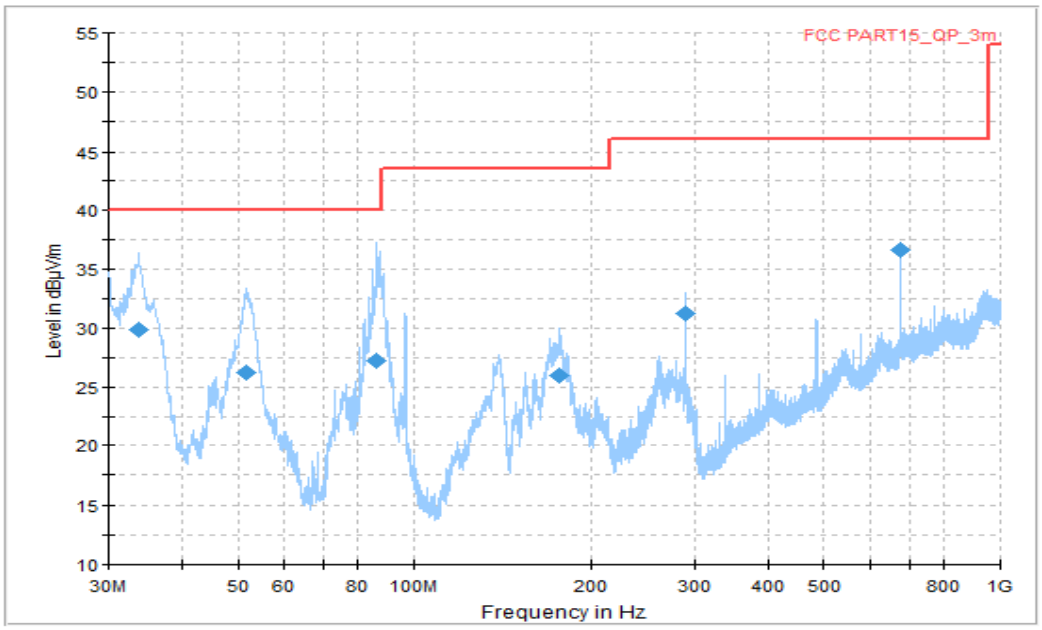

Figure A.19 Radiated Emission (Set.1, LTE Receiver Band 71, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.758750	29.85	40.00	10.15	V	-15	44.85
51.279375	26.22	40.00	13.78	V	-22	48.22
86.260000	27.19	40.00	12.81	V	-22	49.19
176.651875	26.02	43.52	17.50	V	-18	44.02
288.990000	31.19	46.02	14.83	H	-14	45.19
674.201250	36.68	46.02	9.34	H	-3	39.68

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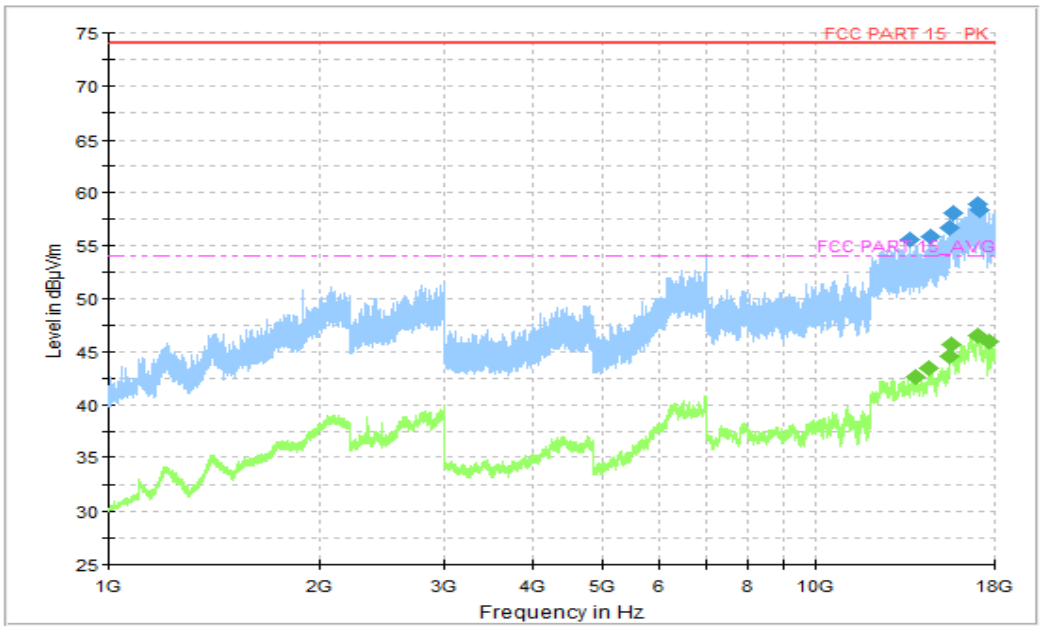

Figure A.20 Radiated Emission (Set.1, LTE Receiver Band 71 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13651.750000	55.57	74.00	18.43	V	17	38.57
14583.000000	55.84	74.00	18.16	V	18	37.84
15559.750000	56.75	74.00	17.25	H	19	37.75
15703.500000	58.06	74.00	15.94	V	20	38.06
17074.000000	58.92	74.00	15.08	V	22	36.92
17183.750000	58.35	74.00	15.65	H	21	37.35

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13950.000000	42.59	54.00	11.41	H	17	25.59
14559.000000	43.49	54.00	10.51	H	18	25.49
15569.000000	44.61	54.00	9.39	H	20	24.61
15680.000000	45.68	54.00	8.32	H	20	25.68
17021.500000	46.55	54.00	7.45	V	23	23.55
17690.000000	45.94	54.00	8.06	H	23	22.94

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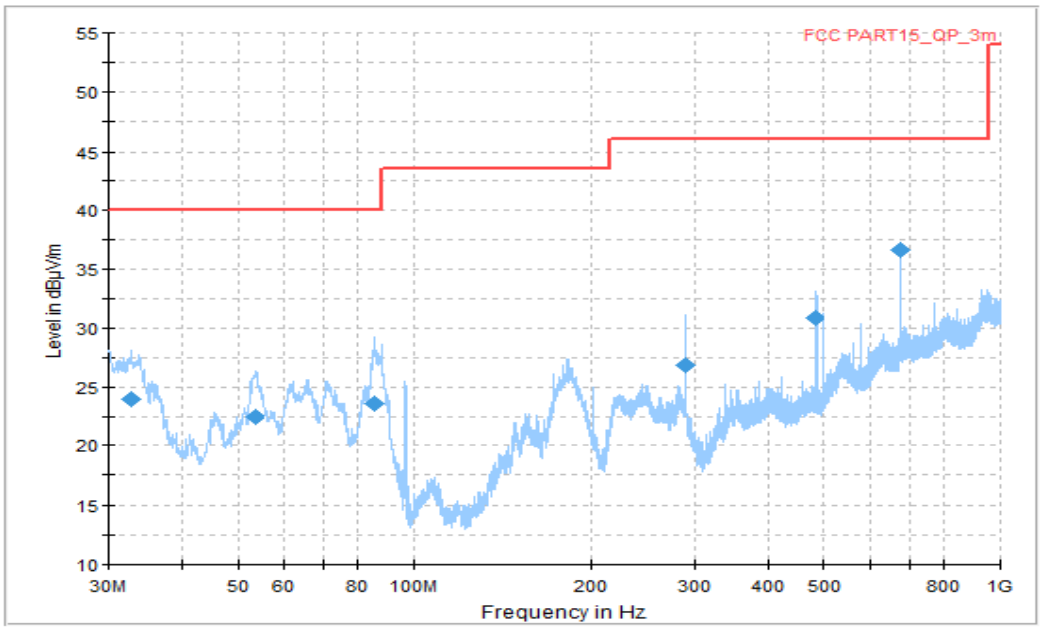

Figure A.21 Radiated Emission (Set.4, GSM Receiver 850MHz, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
32.667500	24.01	40.00	15.99	V	-15	39.01
53.401250	22.47	40.00	17.53	V	-22	44.47
85.471875	23.55	40.00	16.45	V	-22	45.55
288.929375	26.90	46.02	19.12	H	-14	40.90
481.595625	30.90	46.02	15.12	H	-7	37.9
677.171875	36.67	46.02	9.35	H	-3	39.67

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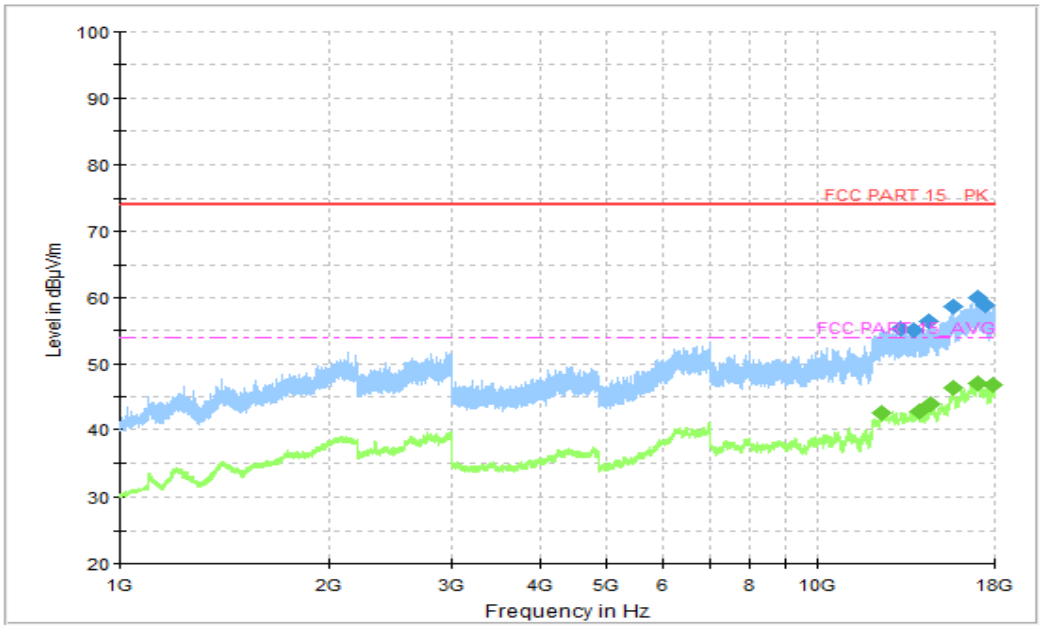

Figure A.22 Radiated Emission (Set.4, GSM Receiver 850MHz , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13234.500000	55.41	74.00	18.59	V	17	38.41
13755.750000	55.10	74.00	18.90	V	17	38.1
14489.000000	56.41	74.00	17.59	H	18	38.41
15723.500000	58.67	74.00	15.33	V	20	38.67
17040.500000	59.92	74.00	14.08	V	22	37.92
17448.000000	58.88	74.00	15.12	H	22	36.88

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
12424.250000	42.58	54.00	11.42	V	17	25.58
14017.500000	42.82	54.00	11.18	H	17	25.82
14565.750000	43.88	54.00	10.12	H	18	25.88
15664.250000	46.28	54.00	7.72	H	20	26.28
17023.750000	47.07	54.00	6.93	V	23	24.07
17899.750000	46.73	54.00	7.27	V	24	22.73

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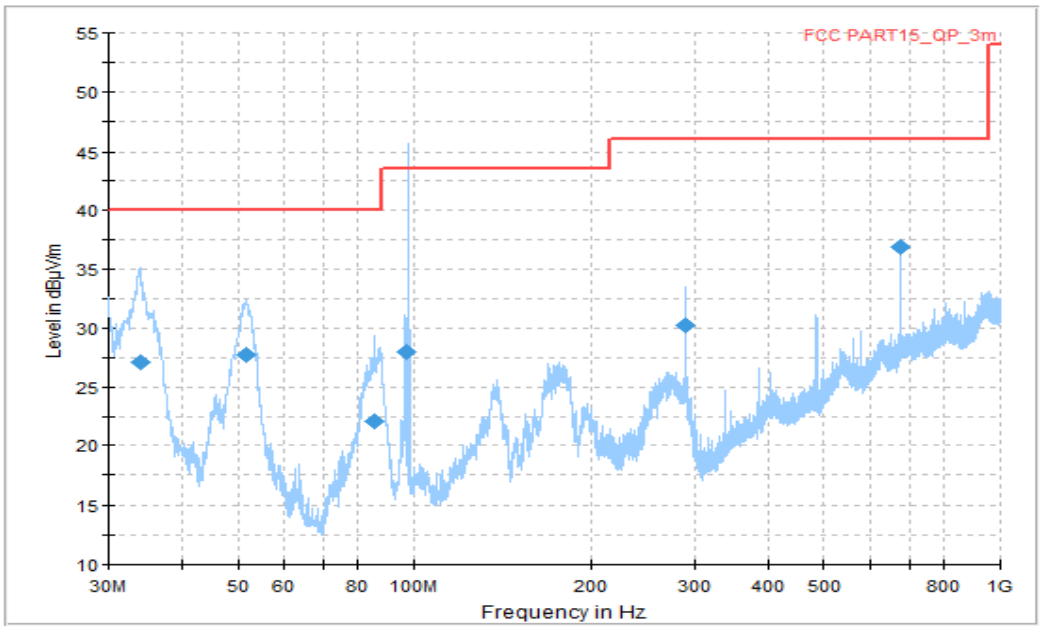

Figure A.23 Radiated Emission (Set.7,FM receiver, 30MHz to 1GHz)

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

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.940625	27.07	40.00	12.93	V	-15	42.07
51.461250	27.71	40.00	12.29	V	-22	49.71
85.411250	22.05	40.00	17.95	V	-22	44.05
96.687500	27.96	43.52	15.56	V	-20	47.96
288.929375	30.23	46.02	15.79	H	-14	44.23
674.201250	36.86	46.02	9.16	H	-3	39.86

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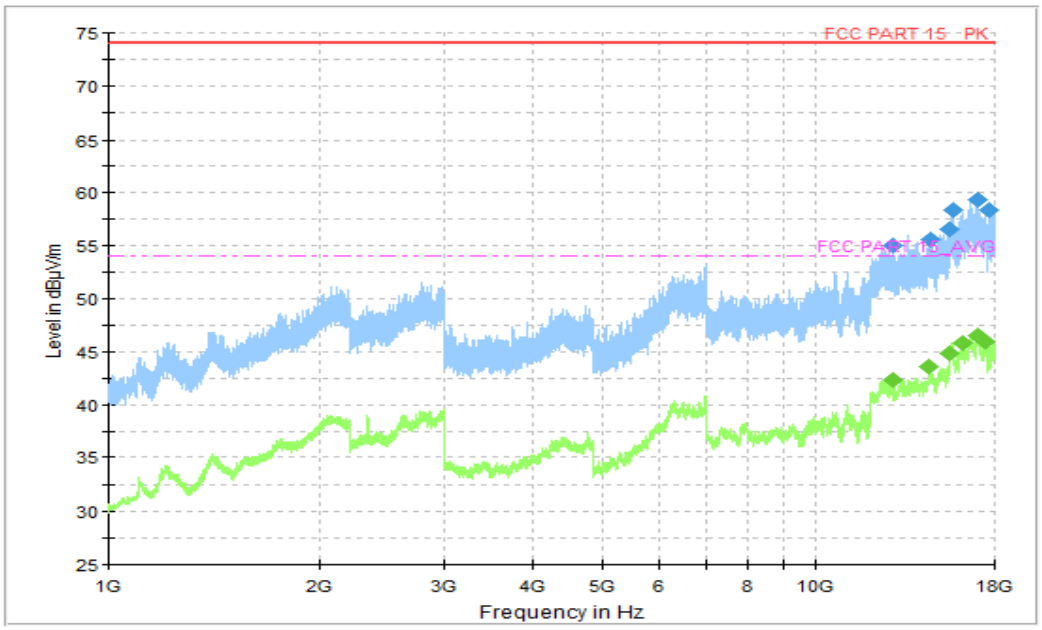

Figure A.24 Radiated Emission (Set.7, FM receiver , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12910.250000	54.97	74.00	19.03	V	17	37.97
14572.250000	55.52	74.00	18.48	H	18	37.52
15568.750000	56.57	74.00	17.43	H	20	36.57
15695.750000	58.35	74.00	15.65	H	20	38.35
17024.000000	59.29	74.00	14.71	V	23	36.29
17712.000000	58.41	74.00	15.59	H	23	35.41

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12899.250000	42.27	54.00	11.73	V	17	25.27
14559.250000	43.52	54.00	10.48	H	18	25.52
15576.750000	44.79	54.00	9.21	H	20	24.79
16259.000000	45.81	54.00	8.19	V	21	24.81
17011.750000	46.57	54.00	7.43	H	23	23.57
17461.750000	45.98	54.00	8.02	V	22	23.98

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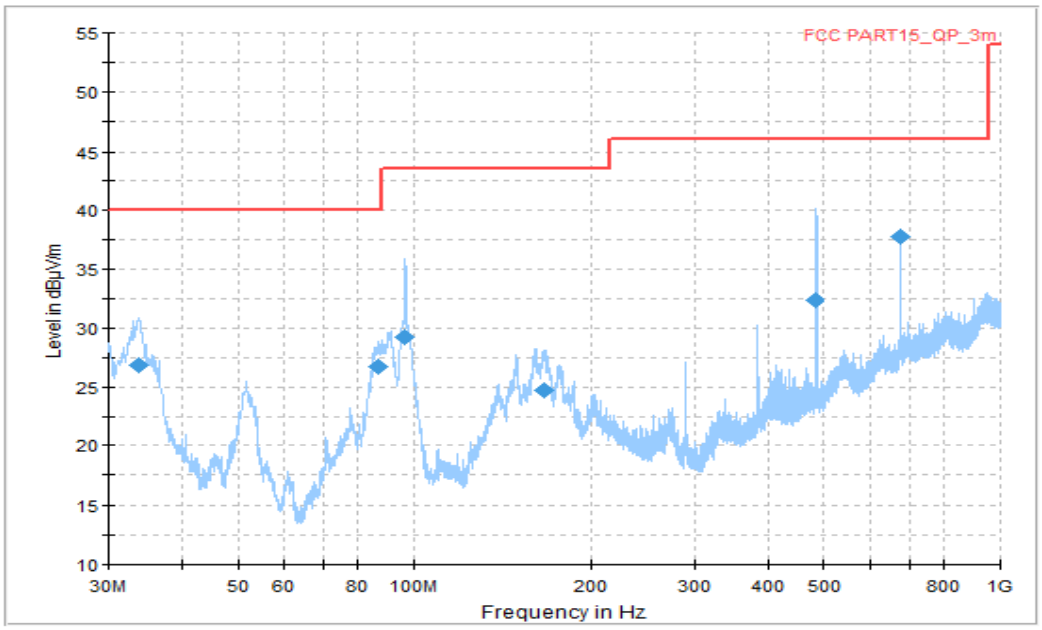

Figure A.25 Radiated Emission (Set.1,Video Player , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
33.880000	26.81	40.00	13.19	V	-15	41.81
86.623750	26.74	40.00	13.26	V	-22	48.74
96.323750	29.25	43.52	14.27	V	-21	50.25
166.648750	24.69	43.52	18.83	V	-18	42.69
481.595625	32.33	46.02	13.69	H	-7	39.33
677.171875	37.82	46.02	8.20	H	-3	40.82

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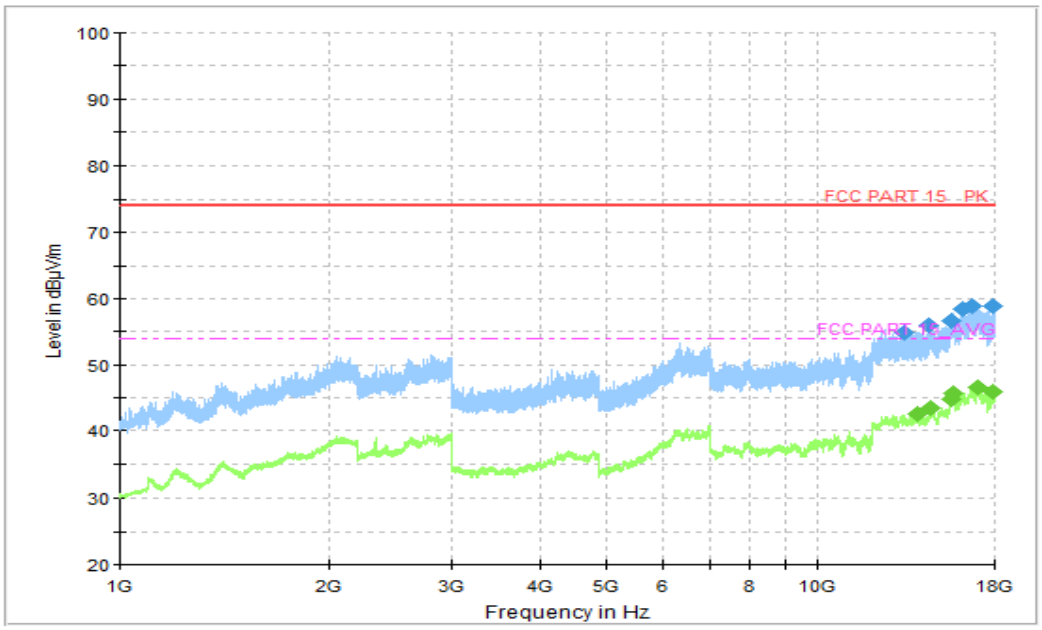

Figure A.26 Radiated Emission (Set.1, Video Player , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13386.750000	54.84	74.00	19.16	V	17	37.84
14527.000000	56.04	74.00	17.96	V	18	38.04
15576.250000	56.67	74.00	17.33	H	20	36.67
16173.250000	58.52	74.00	15.48	V	21	37.52
16678.500000	58.94	74.00	15.06	H	22	36.94
17903.250000	58.89	74.00	15.11	V	24	34.89

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13959.000000	42.53	54.00	11.47	H	17	25.53
14563.000000	43.45	54.00	10.55	H	18	25.45
15576.500000	44.77	54.00	9.23	V	20	24.77
15670.250000	45.73	54.00	8.27	V	20	25.73
17005.500000	46.58	54.00	7.42	H	23	23.58
17895.000000	45.89	54.00	8.11	H	24	21.89

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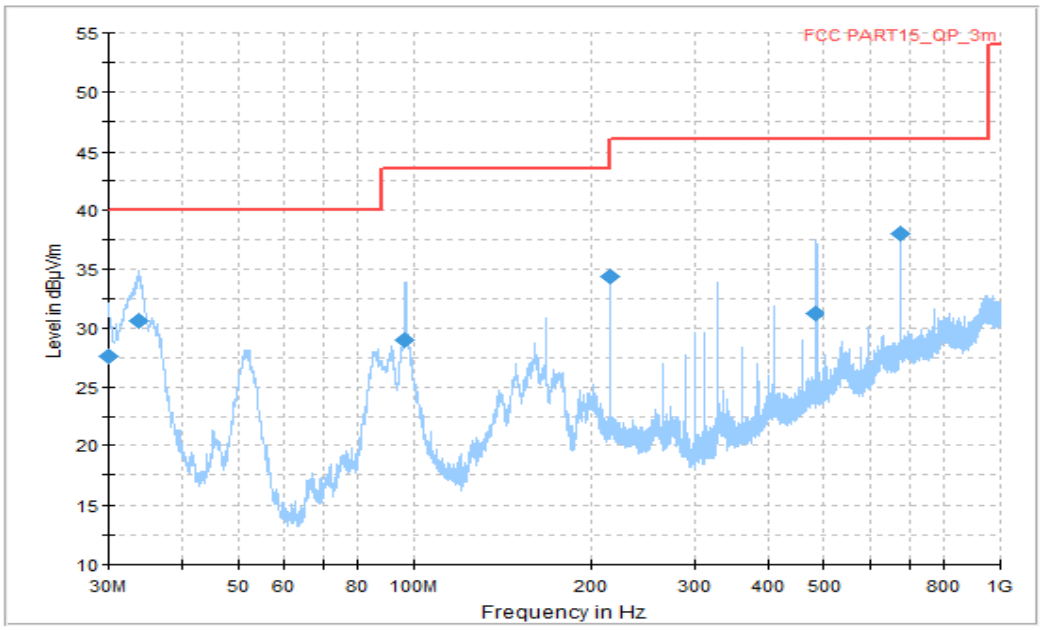

Figure A.27 Radiated Emission (Set.1,Camera , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.000000	27.61	40.00	12.39	V	-14	41.61
33.637500	30.62	40.00	9.38	V	-15	45.62
96.626875	28.99	43.52	14.53	V	-20	48.99
215.997500	34.43	43.52	9.09	H	-17	51.43
481.595625	31.24	46.02	14.78	V	-7	38.24
674.201250	38.04	46.02	7.98	H	-3	41.04

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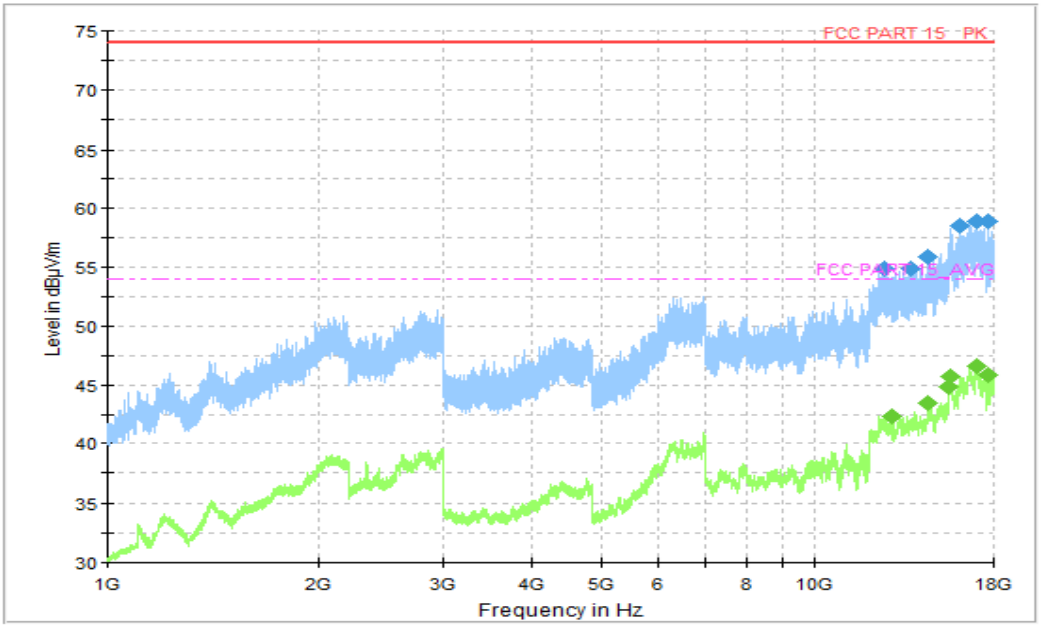

Figure A.28 Radiated Emission (Set.1, Camera ,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12615.500000	54.85	74.00	19.15	V	17	37.85
13743.500000	54.83	74.00	19.17	H	17	37.83
14567.000000	55.84	74.00	18.16	H	18	37.84
16137.500000	58.59	74.00	15.41	H	21	37.59
16997.500000	58.91	74.00	15.09	V	23	35.91
17664.250000	58.94	74.00	15.06	H	23	35.94

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12903.750000	42.31	54.00	11.69	V	17	25.31
14562.500000	43.39	54.00	10.61	V	18	25.39
15566.000000	44.83	54.00	9.17	V	20	24.83
15664.250000	45.75	54.00	8.25	H	20	25.75
17047.000000	46.57	54.00	7.43	V	22	24.57
17687.000000	45.79	54.00	8.21	H	23	22.79

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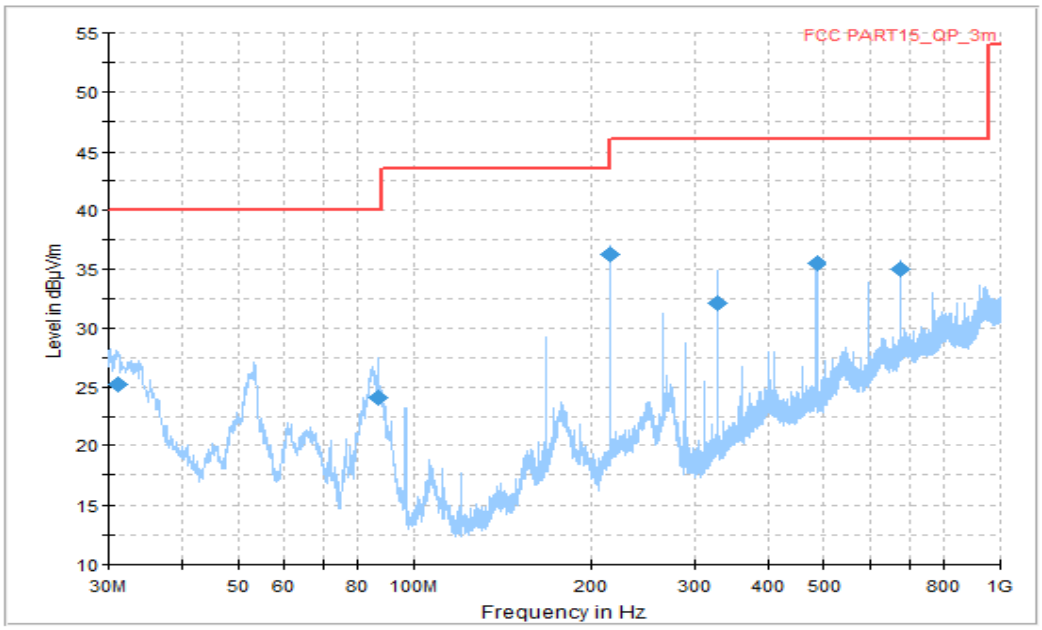

Figure A.29 Radiated Emission (Set.3, Camera, 30MHz to 1GHz)

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

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
31.091250	25.21	40.00	14.79	V	-14	39.21
86.684375	24.14	40.00	15.86	V	-22	46.14
215.997500	36.21	43.52	7.31	H	-17	53.21
327.971875	32.18	46.02	13.84	H	-13	45.18
483.656875	35.52	46.02	10.50	H	-7	42.52
674.504375	34.98	46.02	11.04	H	-3	37.98

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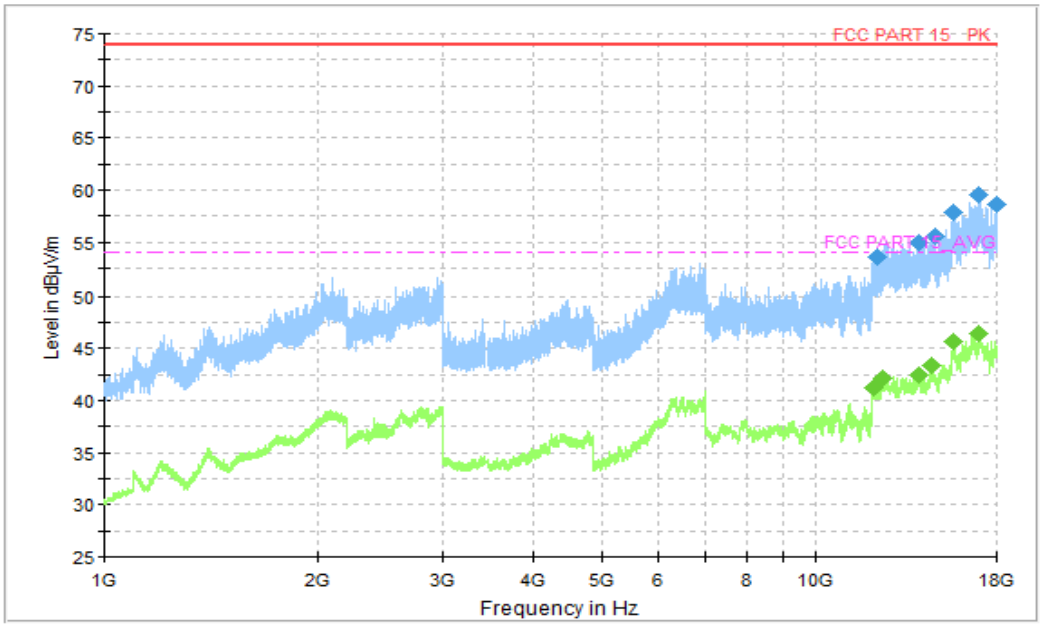

Figure A.30 Radiated Emission (Set.3, Camera , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12179.750000	53.56	74.00	20.44	V	16	37.56
13945.250000	54.96	74.00	19.04	V	17	37.96
14729.000000	55.51	74.00	18.49	H	18	37.51
15678.750000	57.84	74.00	16.16	H	20	37.84
17011.250000	59.62	74.00	14.38	V	23	36.62
17998.250000	58.60	74.00	15.40	H	23	35.60

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12084.250000	41.22	54.00	12.78	H	16	25.22
12426.750000	42.06	54.00	11.94	H	17	25.06
13945.750000	42.45	54.00	11.55	V	17	25.45
14561.500000	43.31	54.00	10.69	V	18	25.31
15667.750000	45.67	54.00	8.33	H	20	25.67
17021.000000	46.45	54.00	7.55	V	23	23.45

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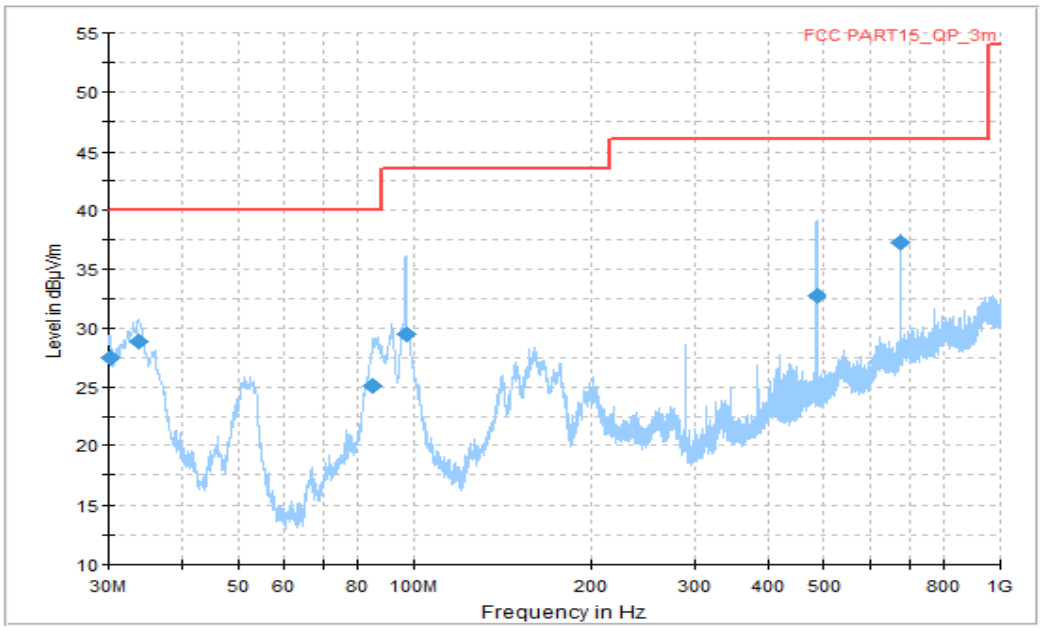

Figure A.31 Radiated Emission (Set.1,Wi-Fi , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.121250	27.46	40.00	12.54	V	-14	41.46
33.880000	28.89	40.00	11.11	V	-15	43.89
85.229375	25.11	40.00	14.89	V	-22	47.11
96.687500	29.49	43.52	14.03	V	-20	49.49
483.656875	32.69	46.02	13.33	H	-7	39.69
677.111250	37.25	46.02	8.77	H	-3	40.25

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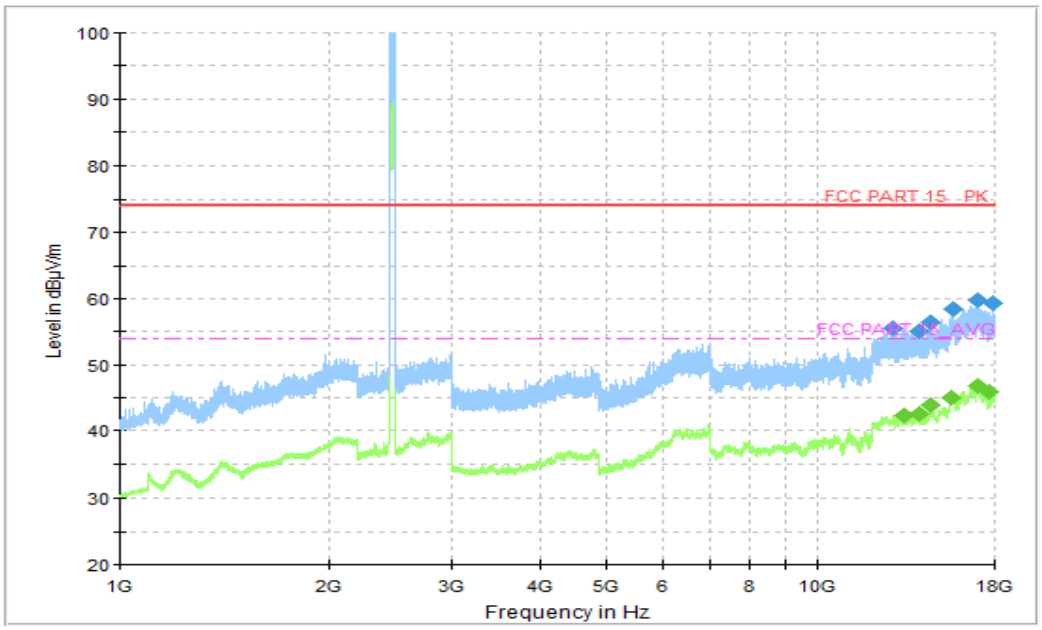

Note: the spike over the limit is coming from the traffic carrier.

Figure A.32 Radiated Emission (Set.1, Wi-Fi, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12895.500000	55.51	74.00	18.49	V	17	38.51
14026.000000	55.02	74.00	18.98	H	17	38.02
14563.250000	56.34	74.00	17.66	V	18	38.34
15712.500000	58.39	74.00	15.61	H	20	38.39
17024.250000	59.71	74.00	14.29	H	23	36.71
17889.000000	59.24	74.00	14.76	H	24	35.24

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13378.250000	42.32	54.00	11.68	H	17	25.32
14017.000000	42.60	54.00	11.40	V	17	25.6
14565.500000	43.82	54.00	10.18	V	18	25.82
15577.000000	44.94	54.00	9.06	H	20	24.94
17047.000000	46.71	54.00	7.29	V	22	24.71
17687.500000	45.99	54.00	8.01	V	23	22.99

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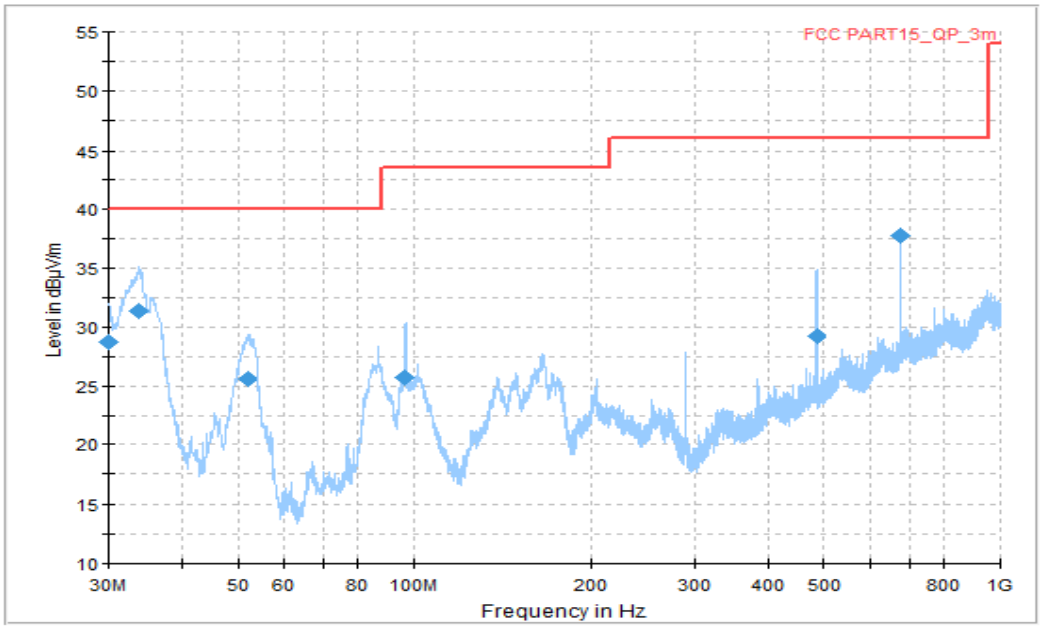

Figure A.33 Radiated Emission (Set.1 Bluetooth, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.000000	28.70	40.00	11.30	V	-14	42.70
33.758750	31.40	40.00	8.60	V	-15	46.4
51.946250	25.57	40.00	14.43	V	-22	47.57
96.626875	25.76	43.52	17.76	V	-20	45.76
483.656875	29.25	46.02	16.77	H	-7	36.25
677.171875	37.72	46.02	8.30	H	-3	40.72

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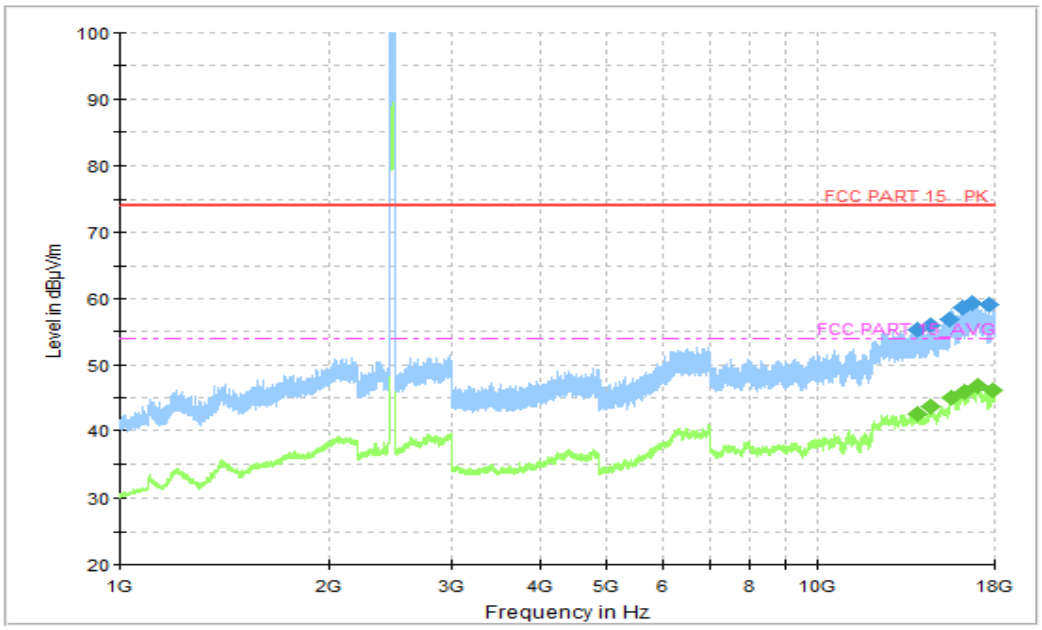

Figure A.34 Radiated Emission (Set.1 Bluetooth, 1GHz to 18GHz)

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

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13954.000000	55.37	74.00	18.63	H	17	38.37
14572.750000	55.95	74.00	18.05	V	18	37.95
15534.500000	56.81	74.00	17.19	V	19	37.81
16189.250000	58.55	74.00	15.45	V	21	37.55
16743.000000	59.26	74.00	14.74	H	21	38.26
17685.000000	59.08	74.00	14.92	H	23	36.08

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13959.000000	42.63	54.00	11.37	H	17	25.63
14560.000000	43.62	54.00	10.38	H	18	25.62
15575.750000	44.98	54.00	9.02	V	20	24.98
16263.000000	45.93	54.00	8.07	H	21	24.93
17017.500000	46.78	54.00	7.22	H	23	23.78
17895.250000	46.04	54.00	7.96	H	24	22.04

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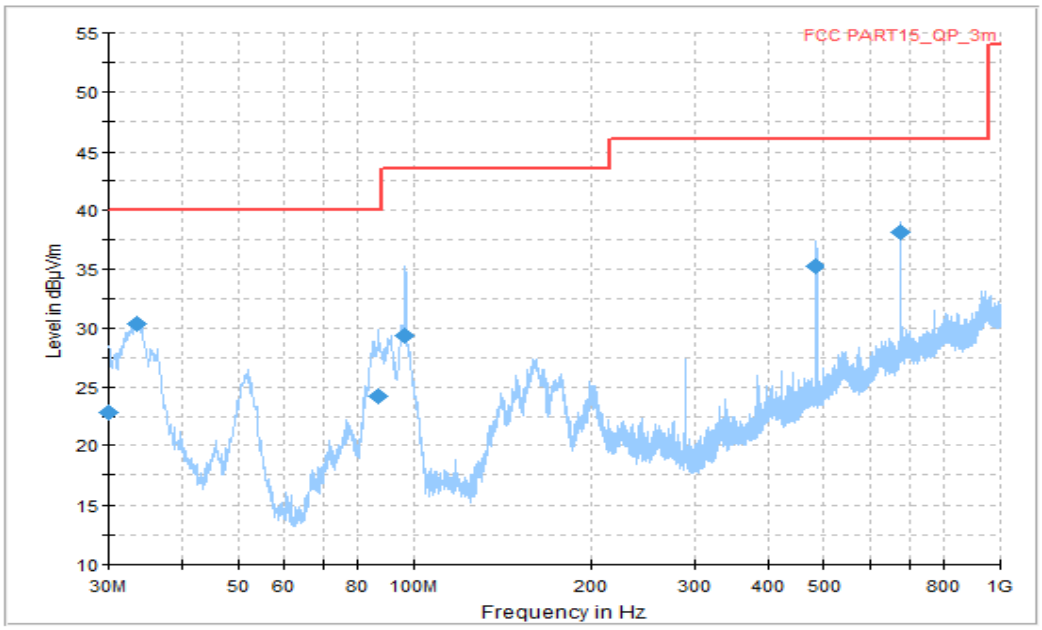

Figure A.35 Radiated Emission (Set.5,GPS, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
30.060625	22.88	40.00	17.12	V	-14	36.88
33.576875	30.39	40.00	9.61	V	-15	45.39
86.684375	24.17	40.00	15.83	V	-22	46.17
96.323750	29.39	43.52	14.13	V	-21	50.39
481.595625	35.21	46.02	10.81	H	-7	42.21
674.201250	38.18	46.02	7.84	H	-3	41.18

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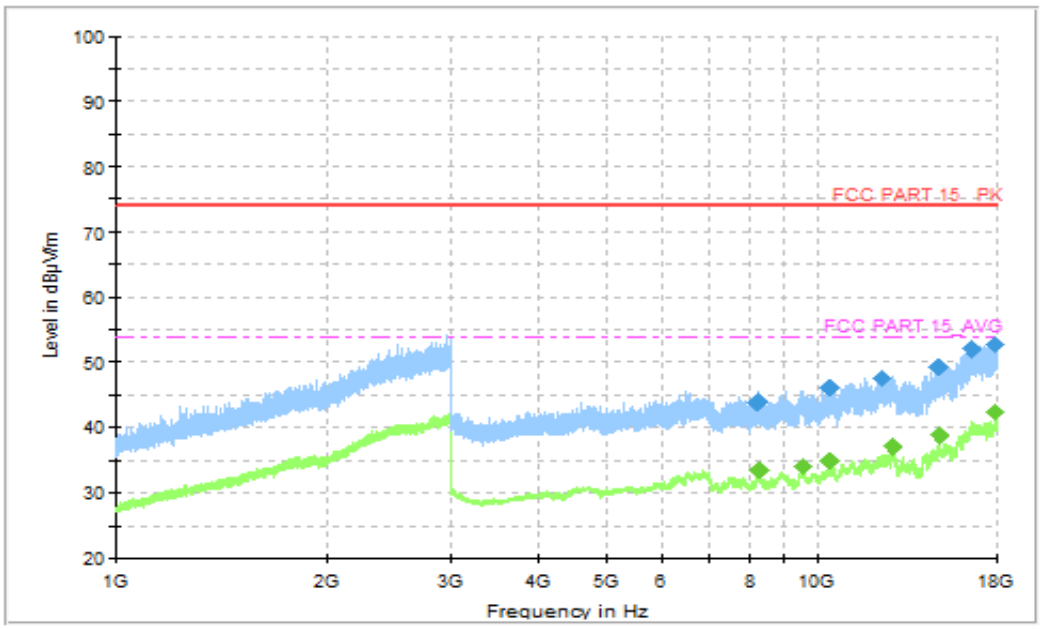

Figure A.36 Radiated Emission (Set.5, GPS, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8212.400000	43.88	74.00	30.12	V	3.3	40.58
10436.000000	46.23	74.00	27.77	H	5.9	40.33
12382.400000	47.74	74.00	26.26	V	8.3	39.44
14916.800000	49.27	74.00	24.73	V	9.6	39.67
16600.000000	51.93	74.00	22.07	H	13.7	38.23
17885.600000	52.74	74.00	21.26	V	15.7	37.04

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8261.600000	33.38	54.00	20.62	V	3.2	30.18
9508.000000	34.17	54.00	19.83	V	4.2	29.97
10431.600000	34.96	54.00	19.04	V	5.9	29.06
12802.800000	37.21	54.00	16.79	V	8.5	28.71
14955.200000	38.93	54.00	15.07	V	9.9	29.03
17921.200000	42.52	54.00	11.48	V	16.0	26.52

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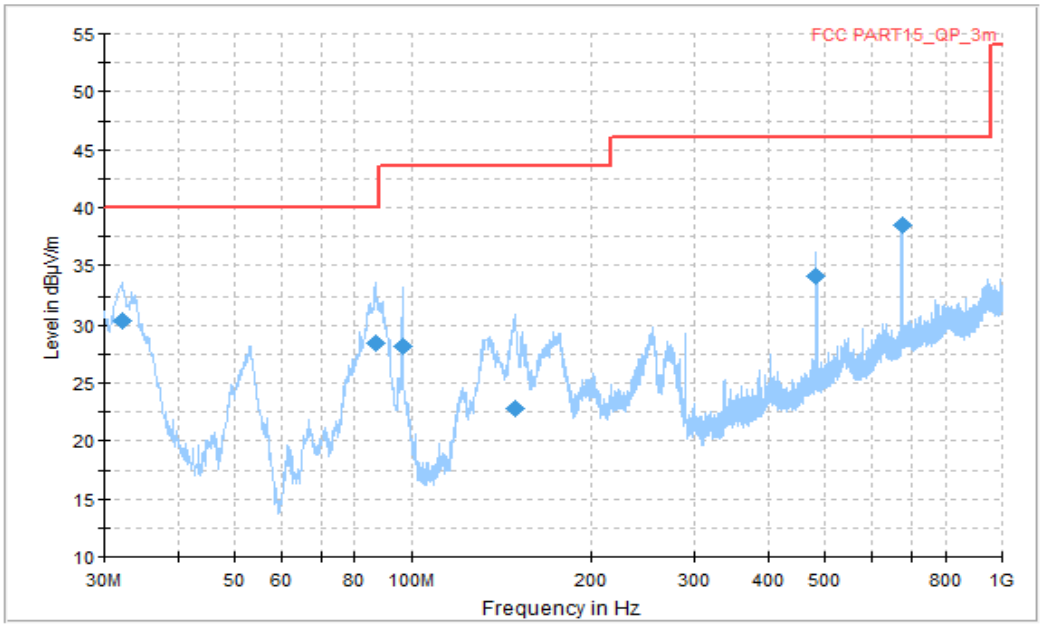

Figure A.37 Radiated Emission (Set.5, GLONASS, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
32.121875	30.32	40.00	9.68	V	-14	44.32
86.684375	28.38	40.00	11.62	V	-22	50.38
96.323750	28.13	43.52	15.39	V	-21	49.13
148.461250	22.83	43.52	20.69	V	-19	41.83
483.656875	34.09	46.02	11.93	V	-7	41.09
677.171875	38.50	46.02	7.52	H	-3	41.50

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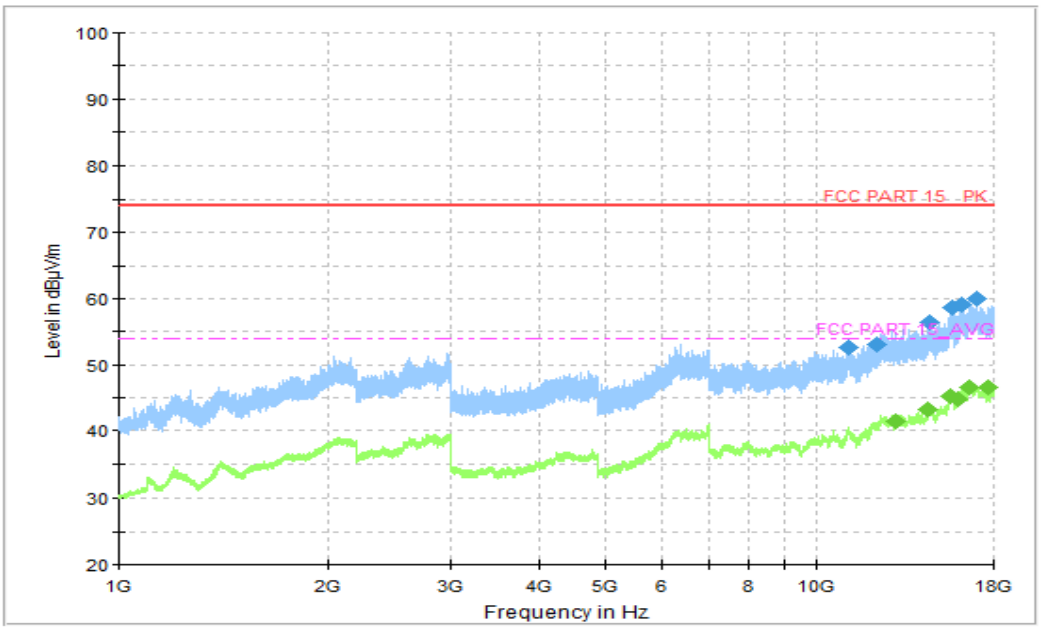

Figure A.38 Radiated Emission (Set.5, GLONASS, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
13348.000000	55.24	74.00	18.76	V	17	38.24
13592.250000	55.29	74.00	18.71	V	17	38.29
14591.500000	56.44	74.00	17.56	V	18	38.44
16248.750000	59.16	74.00	14.84	H	21	38.16
17005.000000	60.07	74.00	13.93	H	23	37.07
17874.750000	58.94	74.00	15.06	V	24	34.94

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12081.000000	41.34	54.00	12.66	V	16	25.34
12441.000000	42.27	54.00	11.73	V	17	25.27
15566.250000	45.38	54.00	8.62	V	20	25.38
16284.250000	46.52	54.00	7.48	V	21	25.52
17001.500000	46.84	54.00	7.16	H	23	23.84
17899.750000	46.88	54.00	7.12	V	24	22.88

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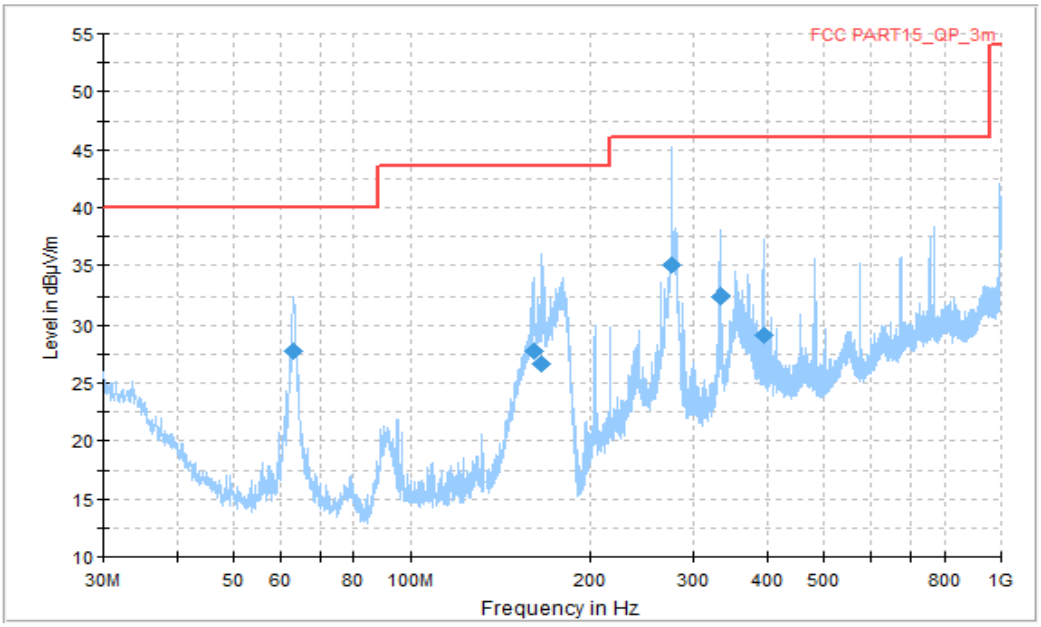

Figure A.39 Radiated Emission (Set.8, Data Transfer : EUT to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
62.980000	27.77	40.00	12.23	V	-22	49.77
160.222500	27.69	43.52	15.83	V	-18	45.69
165.981875	26.65	43.52	16.87	V	-18	44.65
275.955625	35.03	46.02	10.99	V	-14	49.03
333.185625	32.49	46.02	13.53	V	-12	44.49
394.477500	29.11	46.02	16.91	V	-9	38.11

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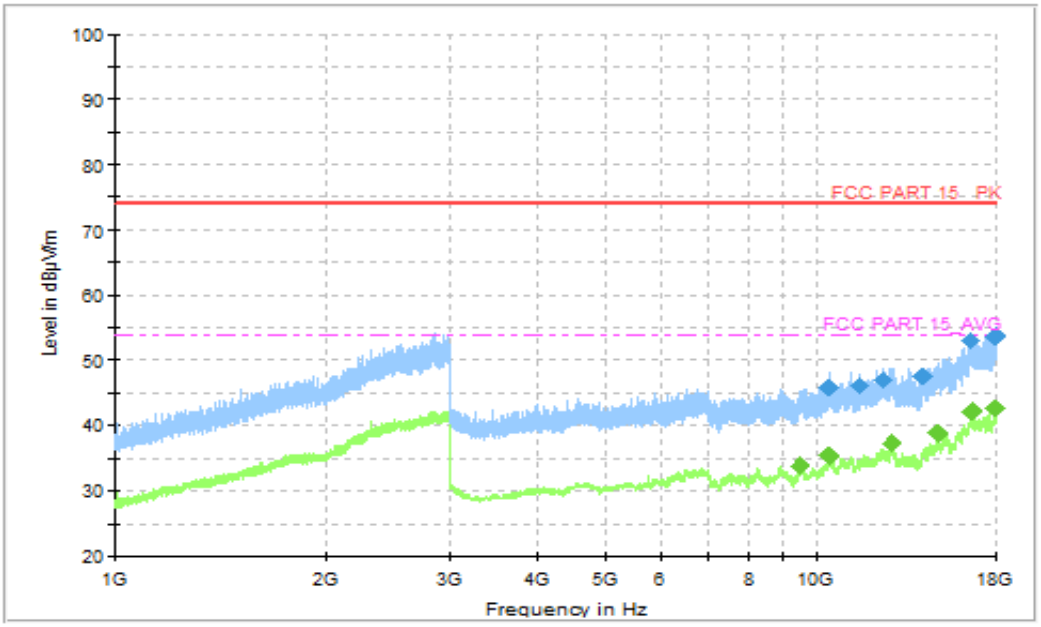

Figure A.40 Radiated Emission (Set.8, Data Transfer : EUT to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
10431.600000	45.91	74.00	28.09	V	5.9	40.01
11490.400000	46.10	74.00	27.90	V	6.4	39.7
12423.600000	46.99	74.00	27.01	V	8.5	38.49
14183.600000	47.71	74.00	26.29	H	8.2	39.51
16607.600000	53.06	74.00	20.94	V	13.9	39.16
17959.200000	53.82	74.00	20.18	V	16.2	37.62

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
9490.400000	33.92	54.00	20.08	V	4.2	29.72
10390.800000	35.32	54.00	18.68	H	5.8	29.52
12813.600000	37.37	54.00	16.63	V	8.6	28.77
14880.000000	38.73	54.00	15.27	H	9.5	29.23
16626.800000	42.18	54.00	11.82	H	14.1	28.08
17980.000000	42.82	54.00	11.18	V	15.9	26.92

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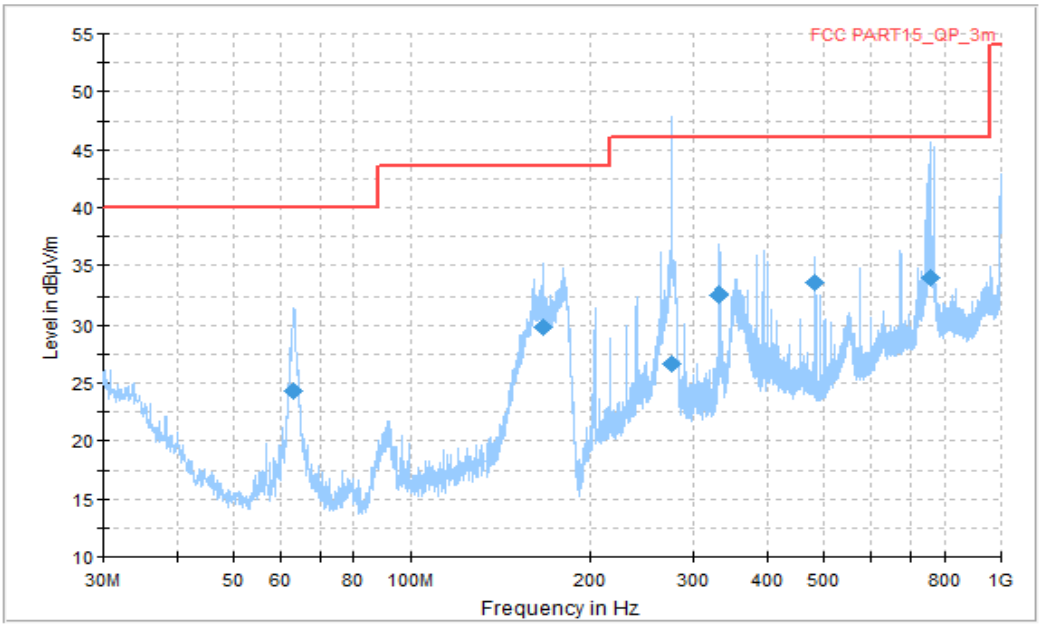

Figure A.41 Radiated Emission (Set.8, Data Transfer : PC to EUT, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
62.980000	24.30	40.00	15.70	V	-22	46.30
166.648750	29.80	43.52	13.72	V	-18	47.8
276.016250	26.69	46.02	19.33	V	-14	40.69
331.912500	32.54	46.02	13.48	V	-12	44.54
481.595625	33.56	46.02	12.46	V	-7	40.56
755.984375	34.01	46.02	12.01	V	-2	40.56

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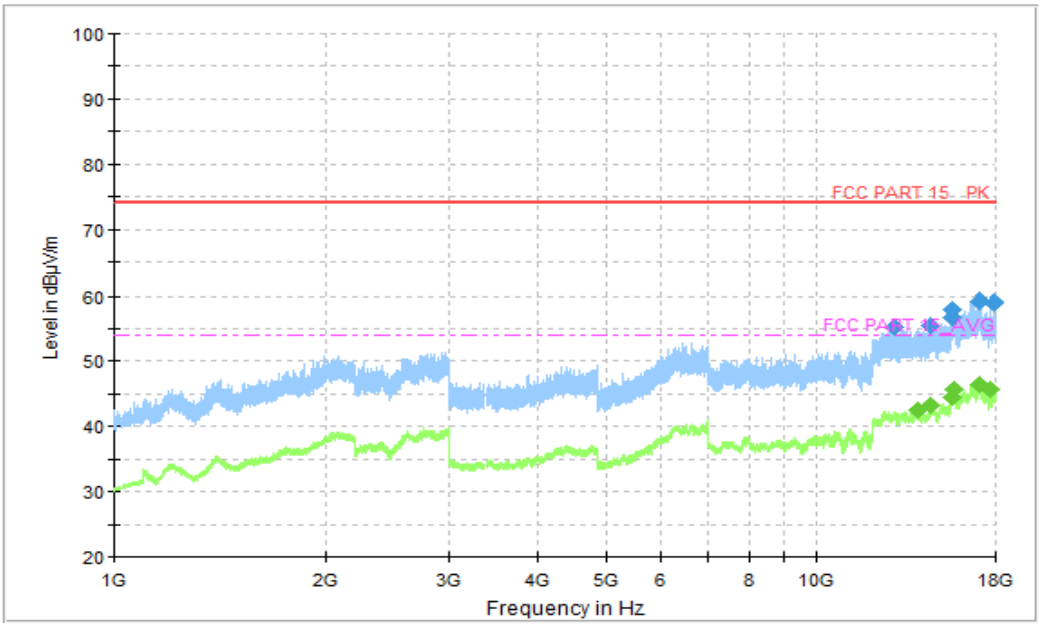

Figure A.42 Radiated Emission (Set.8, Data Transfer : PC to EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
12920.750000	55.18	74.00	18.82	V	17	38.18
14551.250000	55.55	74.00	18.45	V	18	37.55
15576.750000	56.64	74.00	17.36	V	20	36.64
15638.250000	57.93	74.00	16.07	V	20	37.93
17039.250000	59.14	74.00	14.86	H	22	37.14
17882.000000	58.87	74.00	15.13	H	24	34.87

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBµV)
13949.000000	42.45	54.00	11.55	V	17	25.45
14558.500000	43.33	54.00	10.67	H	18	25.33
15565.750000	44.53	54.00	9.47	V	20	24.53
15661.250000	45.67	54.00	8.33	H	20	25.67
17023.500000	46.49	54.00	7.51	V	23	23.49
17700.250000	45.60	54.00	8.40	V	23	22.60

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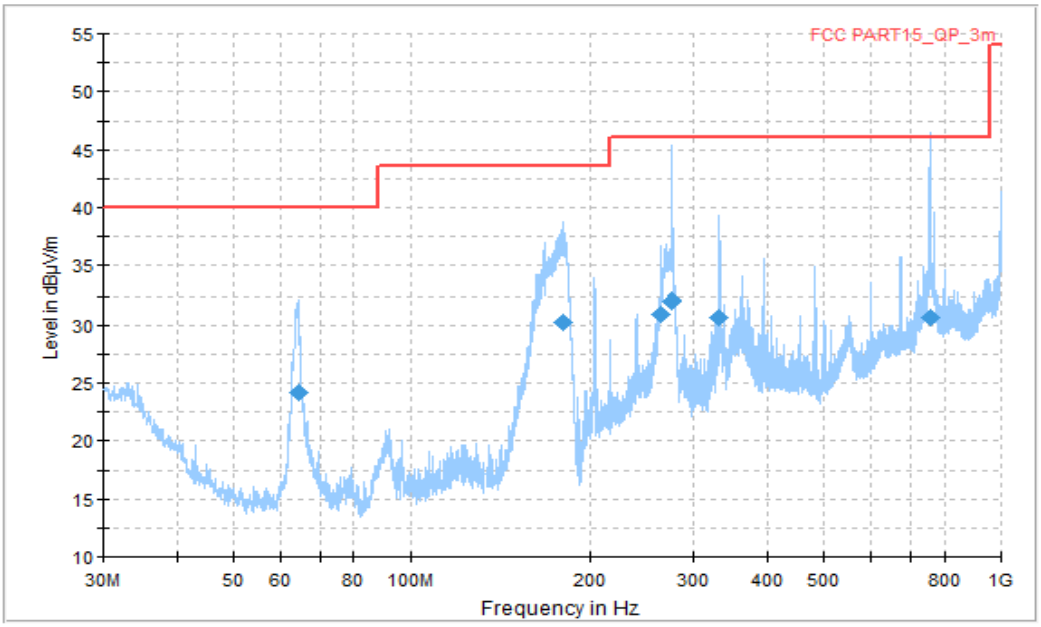

Figure A.43 Radiated Emission (Set.8, Data Transfer : PC to TF Card, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
64.374375	24.21	40.00	15.79	V	-22	46.21
180.046875	30.28	43.52	13.24	V	-18	48.28
263.951875	30.86	46.02	15.16	V	-14	44.86
276.016250	32.04	46.02	13.98	V	-14	46.04
332.094375	30.61	46.02	15.41	V	-12	42.61
756.045000	30.59	46.02	15.43	V	-2	32.59

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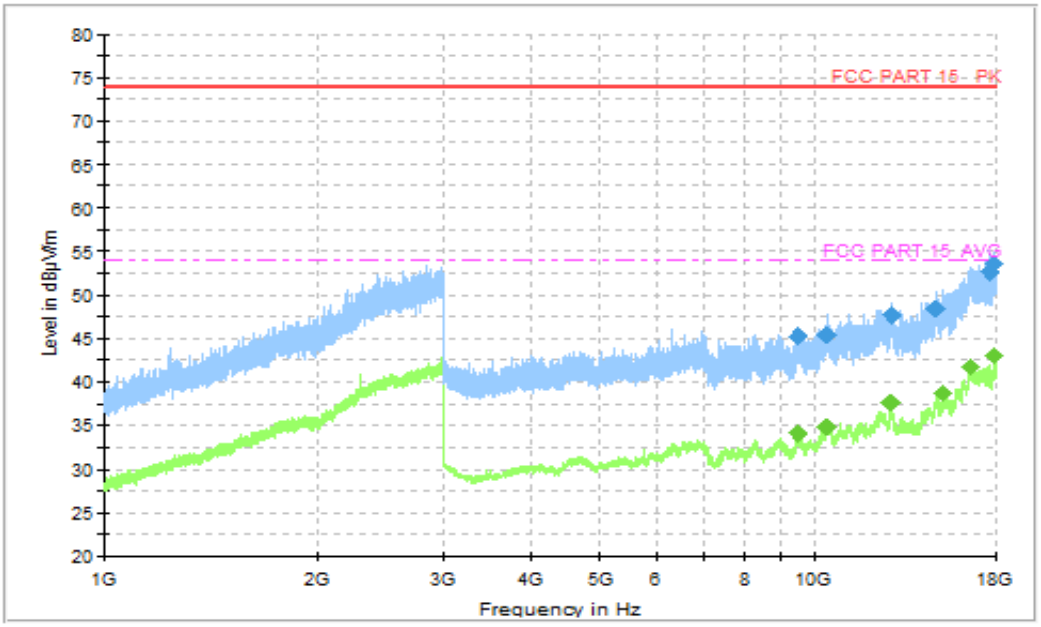

Figure A.44 Radiated Emission (Set.8, Data Transfer : PC to TF Card, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
9498.400000	45.27	74.00	28.73	V	4.2	41.07
10433.600000	45.51	74.00	28.49	V	5.9	39.61
12896.400000	47.65	74.00	26.35	H	8.2	39.45
14826.400000	48.36	74.00	25.64	V	9.5	38.86
17648.800000	52.61	74.00	21.39	H	15.5	37.11
17920.800000	53.50	74.00	20.50	H	16.0	37.50

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
9499.600000	34.08	54.00	19.92	V	4.2	29.88
10427.200000	34.94	54.00	19.06	H	5.9	29.04
12830.800000	37.58	54.00	16.42	V	8.6	28.98
15184.800000	38.80	54.00	15.20	H	9.9	28.90
16573.600000	41.78	54.00	12.22	H	13.4	28.38
17918.800000	43.08	54.00	10.92	V	16.0	27.08

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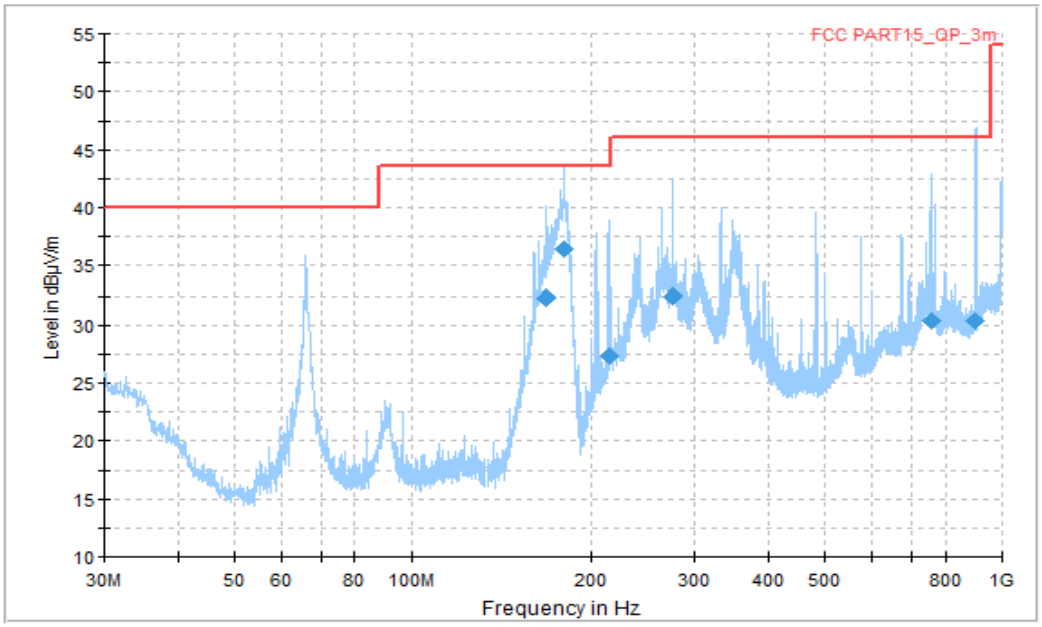

Figure A.45 Radiated Emission (Set.8, Data Transfer : TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
167.982500	32.26	43.52	11.26	H	-18	50.26
180.107500	36.39	43.52	7.13	H	-18	54.39
214.239375	27.30	43.52	16.22	V	-17	44.30
275.955625	32.38	46.02	13.64	H	-14	46.38
755.984375	30.30	46.02	15.72	H	-2	32.3
902.333125	30.42	46.02	15.60	V	-1	31.42

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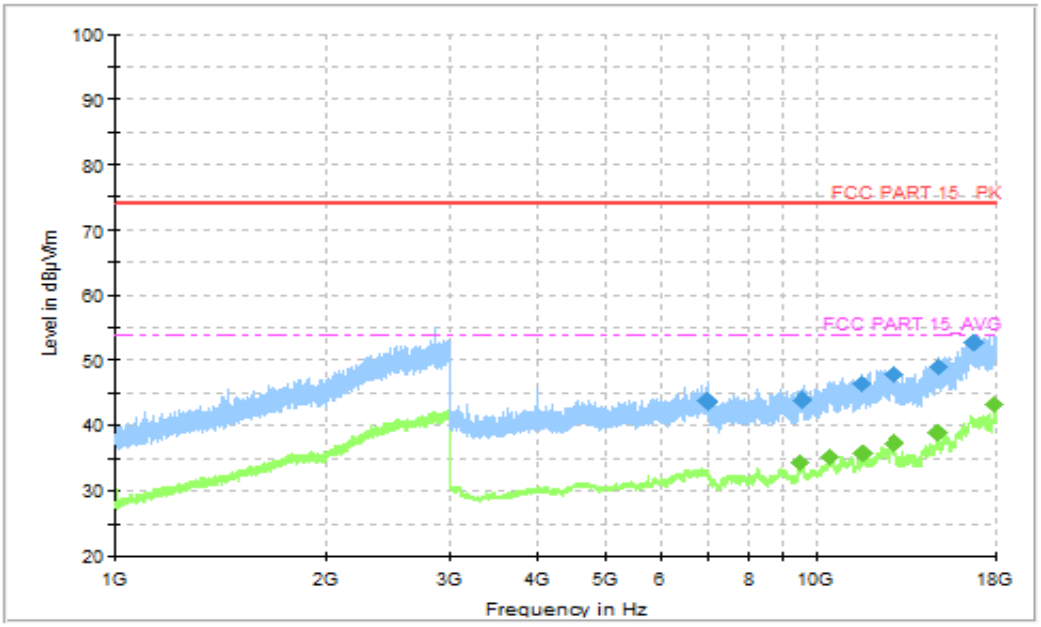

Figure A.46 Radiated Emission (Set.8, Data Transfer : TF Card to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
6988.800000	43.79	74.00	30.21	H	2.6	41.19
9530.800000	43.99	74.00	30.01	V	4.2	39.79
11593.200000	46.39	74.00	27.61	V	6.8	39.59
12870.400000	47.97	74.00	26.03	H	8.2	39.77
14930.800000	49.02	74.00	24.98	H	9.5	39.52
16800.800000	52.72	74.00	21.28	V	14.9	37.82

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
9488.800000	34.35	54.00	19.65	H	4.2	30.15
10475.200000	35.21	54.00	18.79	H	6.0	29.21
11628.000000	35.99	54.00	18.01	V	6.7	29.29
12866.000000	37.34	54.00	16.66	V	8.2	29.14
14872.800000	39.08	54.00	14.92	H	9.5	29.58
17919.200000	43.17	54.00	10.83	V	16.0	27.17

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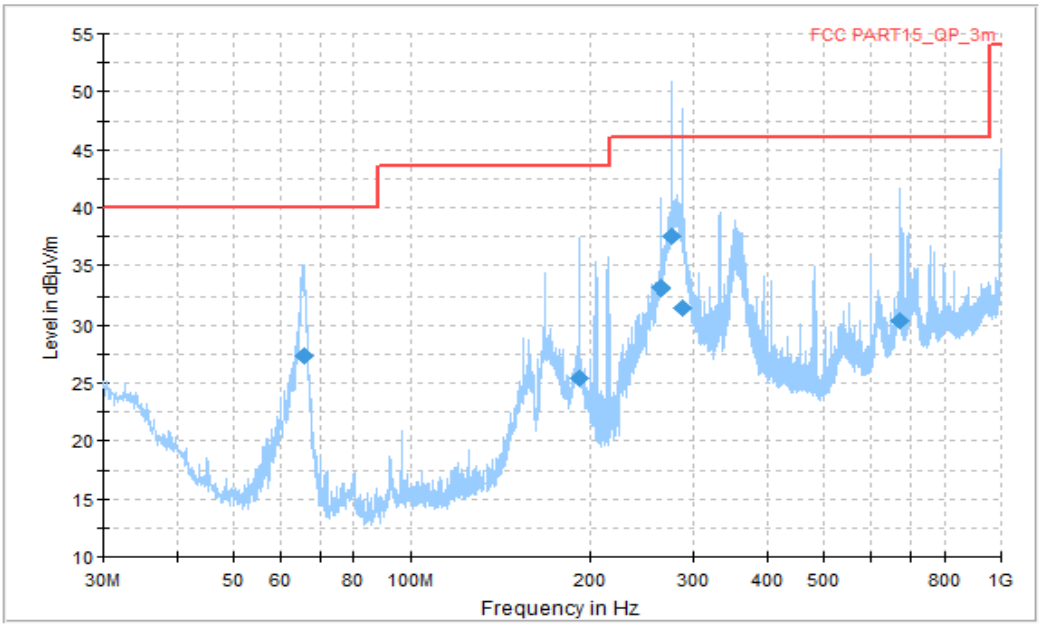

Figure A.47 Radiated Emission (Set.9, Data Transfer : TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P_{Mea} (dBµV)
65.647500	27.34	40.00	12.66	H	-22	49.34
191.929375	25.48	43.52	18.04	H	-18	43.48
263.951875	33.09	46.02	12.93	H	-14	47.09
275.955625	37.54	46.02	8.48	H	-14	51.54
287.959375	31.52	46.02	14.50	H	-14	45.52
671.958125	30.36	46.02	15.66	H	-3	33.36

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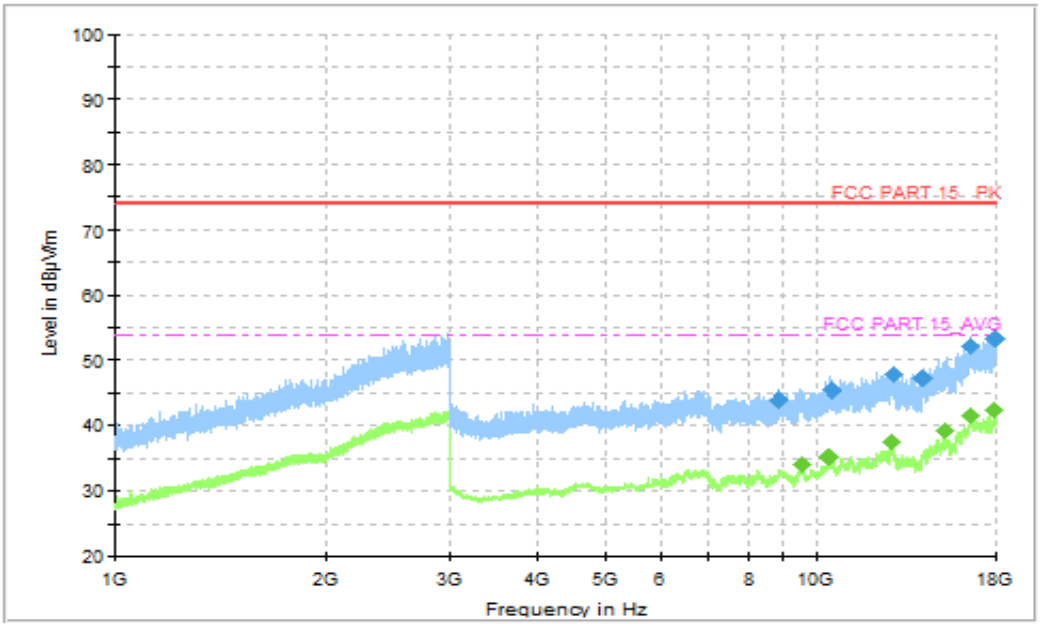

Figure A.48 Radiated Emission (Set.9, Data Transfer : TF Card to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
8818.000000	43.99	74.00	30.01	H	3.8	40.19
10537.200000	45.46	74.00	28.54	V	6.2	39.26
12886.000000	47.99	74.00	26.01	H	8.2	39.79
14203.600000	47.47	74.00	26.53	V	8.4	39.07
16552.400000	52.22	74.00	21.78	V	13.5	38.72
17967.200000	53.26	74.00	20.74	H	15.3	37.96

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P_{Mea} (dBµV)
9505.600000	34.15	54.00	19.85	V	4.2	29.95
10427.600000	35.10	54.00	18.90	H	5.9	29.20
12828.000000	37.55	54.00	16.45	H	8.6	28.95
15199.200000	39.30	54.00	14.70	V	9.8	29.50
16538.400000	41.59	54.00	12.41	V	13.6	27.99
17918.400000	42.61	54.00	11.39	V	16.0	26.61

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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 :

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.

Bluetooth: The EUT is connected to a charger for charging. The EUT is connected to a PC for transmitting data by Bluetooth function. The model of the PC is Lenovo ThinkPad T480, and the serial number of the PC is PF-13LW0C.

Wi-Fi: The EUT is connected to a charger for charging. The EUT is Working as Wi-Fi terminal and connected with System Simulator (SS). After the EUT has been allocated an IP address, establish a communication link between the EUT and System Simulator (SS).

GNSS: The EUT is connected to a charger for charging. A vector signal generator is used to provide the simulated GNSS signal, and the frequency is set to 1575.42 MHz. Before the test starts, the integrated GNSS application in EUT is started up and locked to the simulated GNSS signal.

Meanwhile, the EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

A.2.3 Measurement Limit

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

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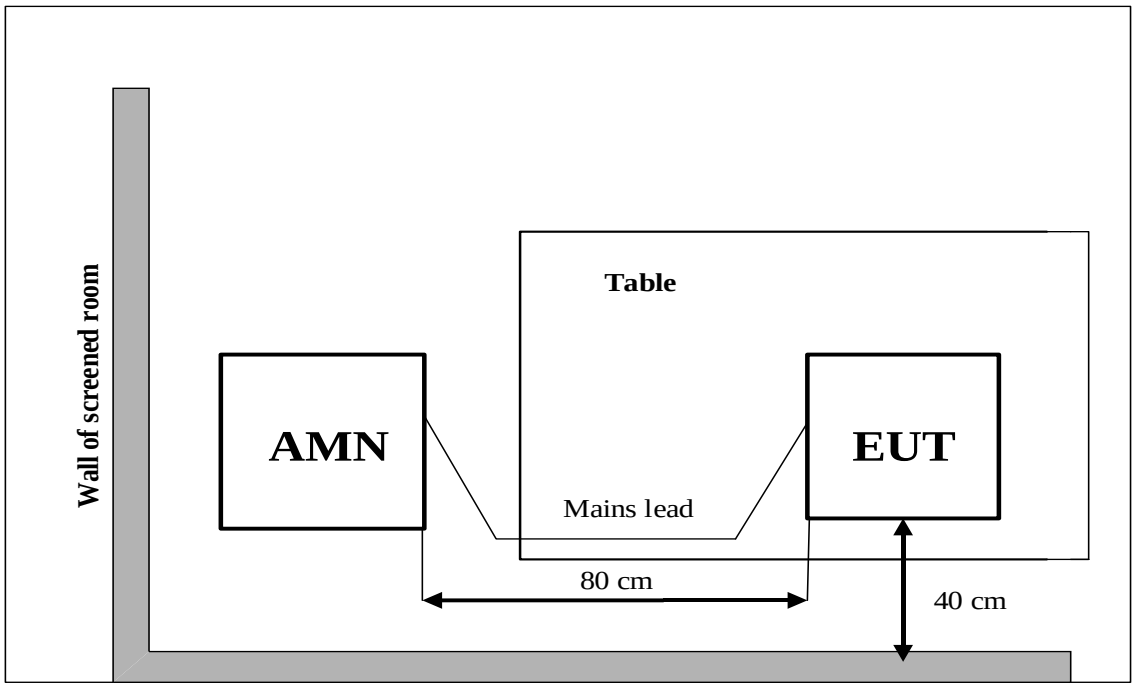
A.2.4Test set-up:



A.2.5 Test Condition in charging mode

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

RBW	Sweep Time(s)
9kHz	1

A.2.6 Measurement Results

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

Where

Corr: PathLoss + Voltage Division Factor

PMea: Measurement result on receiver.

Camera

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			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.				

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Video Player

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 A.2.2	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

FM receiver

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.7	
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.				

Wi-Fi

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 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.				

Bluetooth

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 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.				

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GPS

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.6	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.6	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

GLONASS

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.6	
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: 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 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: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.8	
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.				

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Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.9	
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.				

Camera

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 A.2.11	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Video Player

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 A.2.12	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

FM receiver

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.7	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.13	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.				

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Wi-Fi

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 A.2.14	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.				

Bluetooth

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 A.2.15	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.				

GPS

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.6	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.16	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.				

GLONASS

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.6	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.17	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.				

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Camera

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 A.2.18	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.				

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.8	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.19	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			Set.9	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.20	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.				

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AC Input Port/ Voltage: 120V/60Hz

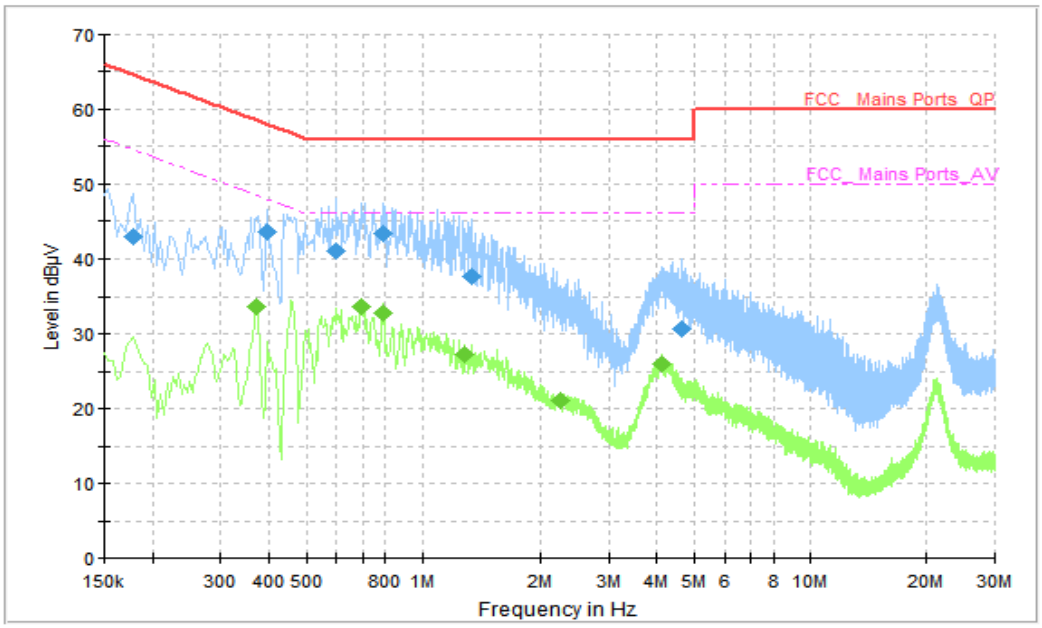

Figure A.2.1 Conducted Emission(Set.1, Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.178000	42.85	64.58	21.73	N	10	32.85
0.398000	43.62	57.90	14.28	L1	10	33.62
0.598000	41.06	56.00	14.94	L1	10	31.06
0.790000	43.35	56.00	12.65	L1	10	33.35
1.342000	37.47	56.00	18.53	L1	10	27.47
4.638000	30.83	56.00	25.17	L1	10	20.83

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.370000	33.69	48.50	14.81	L1	10	23.69
0.698000	33.68	46.00	12.32	L1	10	23.68
0.790000	32.97	46.00	13.03	L1	10	22.97
1.290000	27.41	46.00	18.59	L1	10	17.41
2.258000	21.10	46.00	24.90	L1	10	11.1
4.118000	26.13	46.00	19.87	L1	10	16.13

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AC Input Port/ Voltage: 120V/60Hz

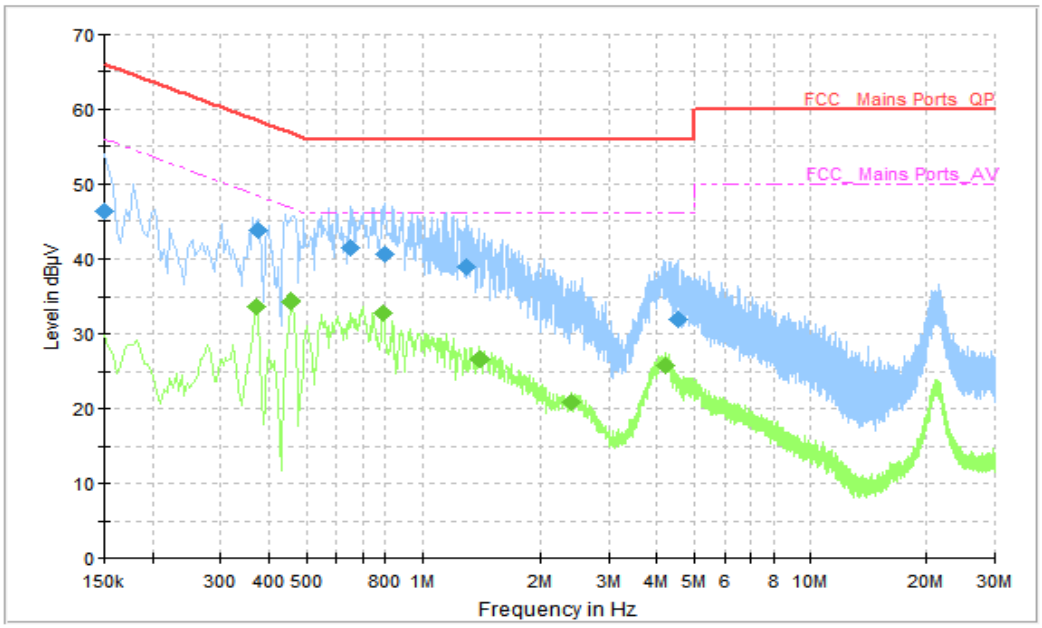

Figure A.2.2 Conducted Emission(Set.1, Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	46.34	66.00	19.66	L1	10	36.34
0.374000	43.83	58.41	14.58	L1	10	33.83
0.650000	41.30	56.00	14.70	L1	10	31.30
0.802000	40.58	56.00	15.42	L1	10	30.58
1.294000	38.81	56.00	17.19	L1	10	28.81
4.562000	32.01	56.00	23.99	L1	10	22.01

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.370000	33.65	48.50	14.85	L1	10	23.65
0.458000	34.40	46.73	12.33	L1	10	24.40
0.794000	32.80	46.00	13.20	L1	10	22.80
1.394000	26.77	46.00	19.23	L1	10	16.77
2.390000	20.91	46.00	25.09	L1	10	10.91
4.190000	25.85	46.00	20.15	L1	10	15.85

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AC Input Port/ Voltage: 120V/60Hz

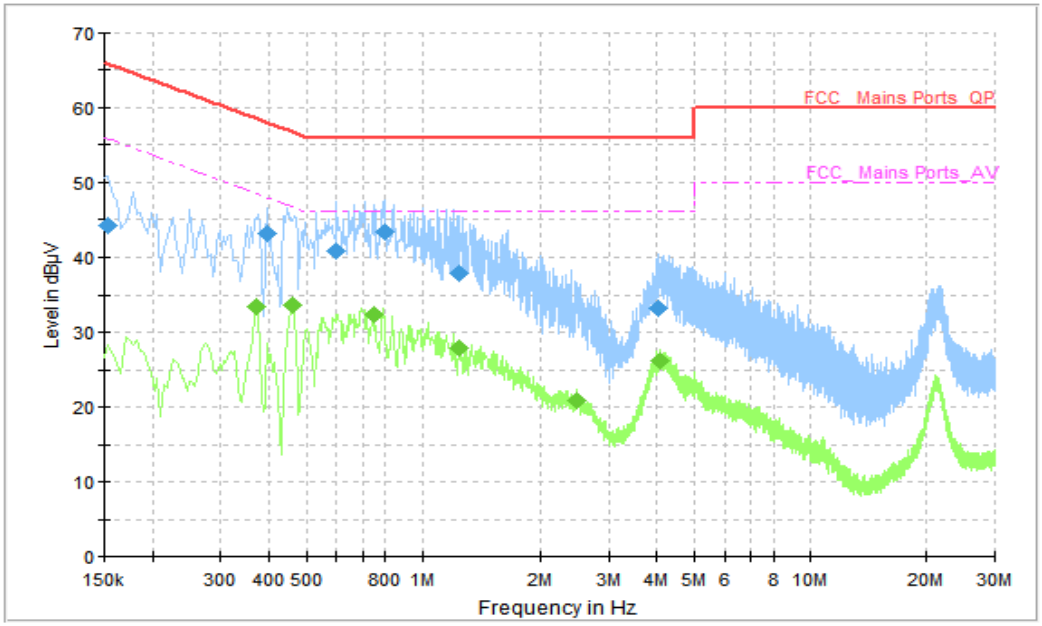

Figure A.2.3 Conducted Emission(Set.7, FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.154000	44.25	65.78	21.53	N	10	34.25
0.398000	43.01	57.90	14.89	L1	10	33.01
0.598000	40.74	56.00	15.26	L1	10	30.74
0.798000	43.23	56.00	12.77	L1	10	33.23
1.250000	37.81	56.00	18.19	L1	10	27.81
4.038000	33.26	56.00	22.74	L1	10	23.26

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.370000	33.58	48.50	14.93	L1	10	23.58
0.462000	33.76	46.66	12.90	L1	10	23.76
0.746000	32.46	46.00	13.54	L1	10	22.46
1.250000	27.90	46.00	18.10	L1	10	17.90
2.482000	20.98	46.00	25.02	L1	10	10.98
4.090000	26.28	46.00	19.72	L1	10	16.28

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AC Input Port/ Voltage: 120V/60Hz

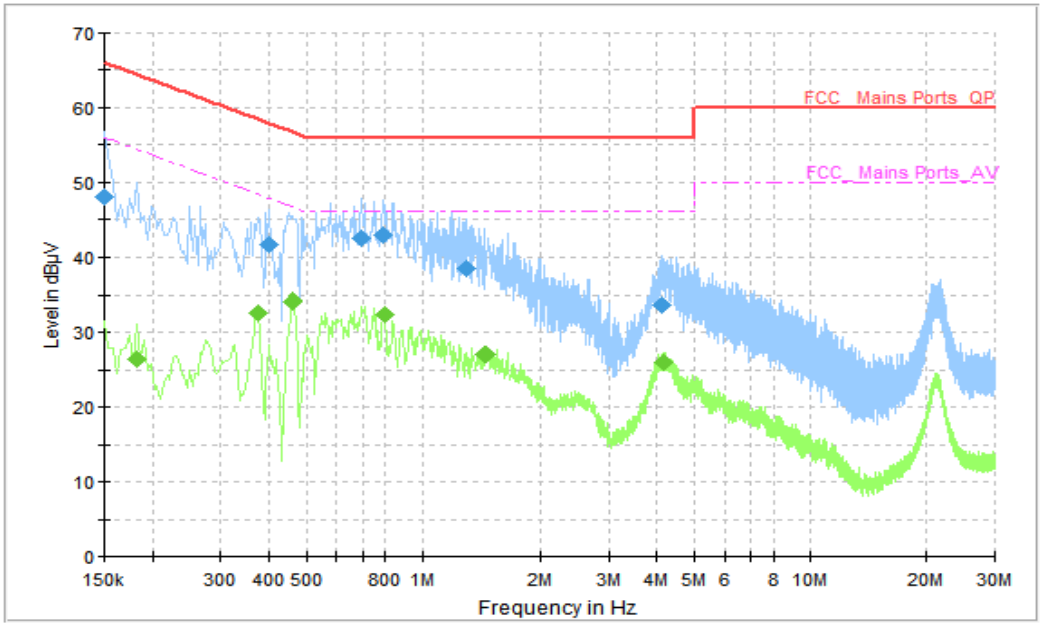

Figure A.2.4 Conducted Emission(Set.1, Wi-Fi)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	48.01	66.00	17.99	N	10	38.01
0.402000	41.61	57.81	16.20	L1	10	31.61
0.694000	42.37	56.00	13.63	L1	10	32.37
0.790000	42.99	56.00	13.01	L1	10	32.99
1.298000	38.44	56.00	17.56	L1	10	28.44
4.098000	33.75	56.00	22.25	L1	10	23.75

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.182000	26.50	54.39	27.89	N	10	16.50
0.374000	32.60	48.41	15.81	L1	10	22.60
0.462000	34.14	46.66	12.52	L1	10	24.14
0.798000	32.53	46.00	13.47	L1	10	22.53
1.450000	27.04	46.00	18.96	L1	10	17.04
4.158000	26.09	46.00	19.91	L1	10	16.09

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AC Input Port/ Voltage: 120V/60Hz

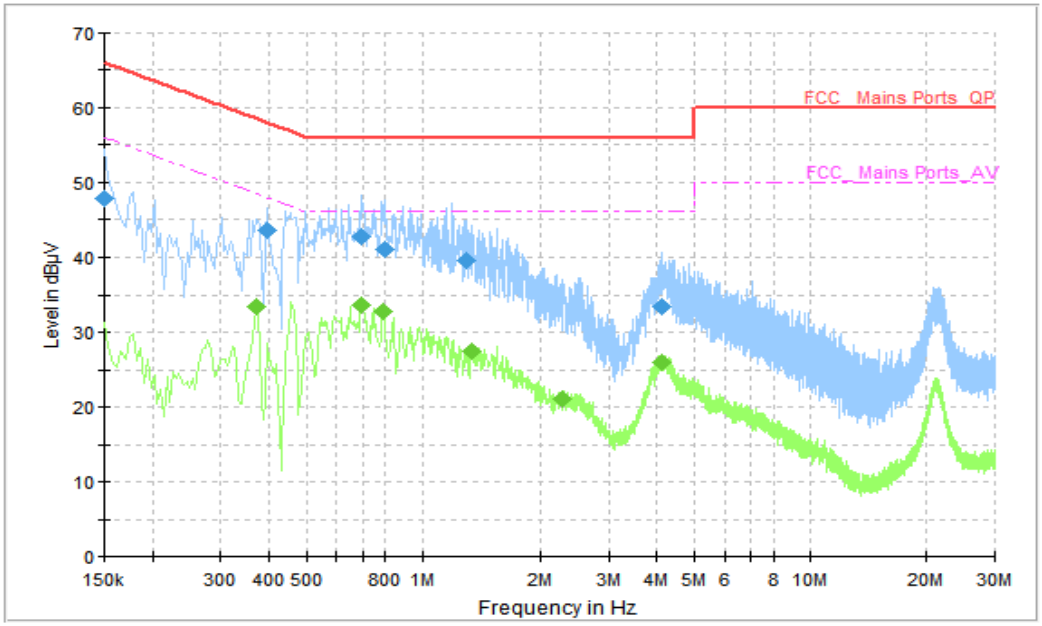

Figure A.2.5 Conducted Emission(Set.1, Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	47.86	66.00	18.14	L1	10	37.86
0.398000	43.56	57.90	14.34	L1	10	33.56
0.694000	42.72	56.00	13.28	L1	10	32.72
0.802000	40.95	56.00	15.05	L1	10	30.95
1.294000	39.42	56.00	16.58	L1	10	29.42
4.114000	33.40	56.00	22.60	L1	10	23.40

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.370000	33.52	48.50	14.98	L1	10	23.52
0.698000	33.67	46.00	12.33	L1	10	23.67
0.794000	32.96	46.00	13.04	L1	10	22.96
1.334000	27.46	46.00	18.54	L1	10	17.46
2.286000	21.13	46.00	24.87	L1	10	11.13
4.130000	26.05	46.00	19.95	L1	10	16.05

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AC Input Port/ Voltage: 120V/60Hz

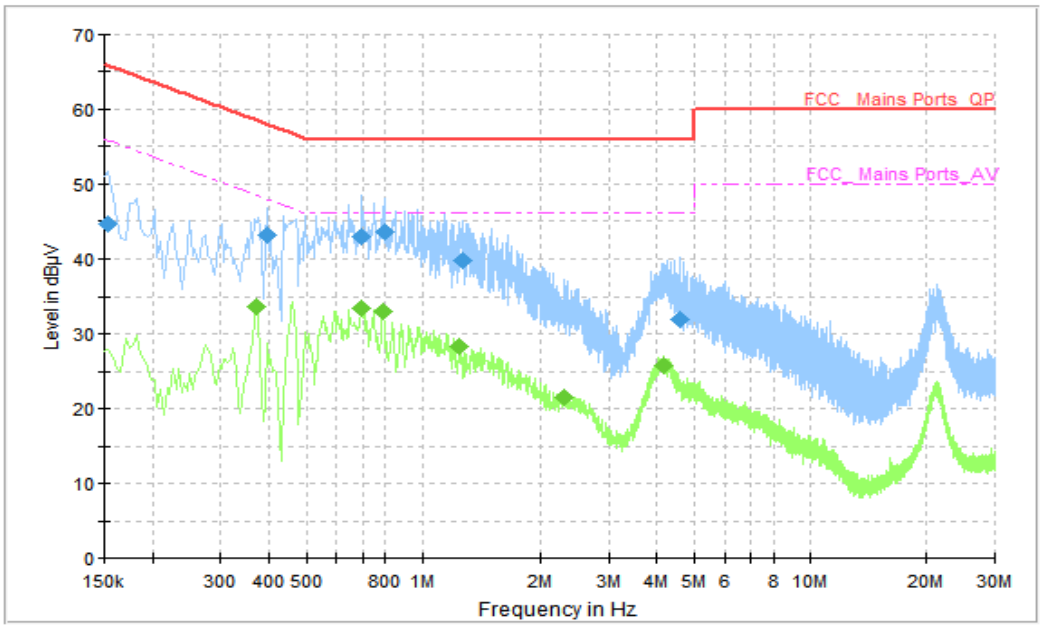

Figure A.2.6 Conducted Emission(Set.6,GPS)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.154000	44.65	65.78	21.13	N	10	34.65
0.398000	43.16	57.90	14.74	L1	10	33.16
0.698000	42.87	56.00	13.13	L1	10	32.87
0.798000	43.63	56.00	12.37	L1	10	33.63
1.274000	39.66	56.00	16.34	L1	10	29.66
4.610000	31.97	56.00	24.03	L1	10	21.97

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.370000	33.64	48.50	14.86	L1	10	23.64
0.698000	33.48	46.00	12.52	L1	10	23.48
0.790000	33.16	46.00	12.84	L1	10	23.16
1.250000	28.29	46.00	17.71	L1	10	18.29
2.294000	21.55	46.00	24.45	L1	10	11.55
4.186000	25.88	46.00	20.12	L1	10	15.88

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AC Input Port/ Voltage: 120V/60Hz

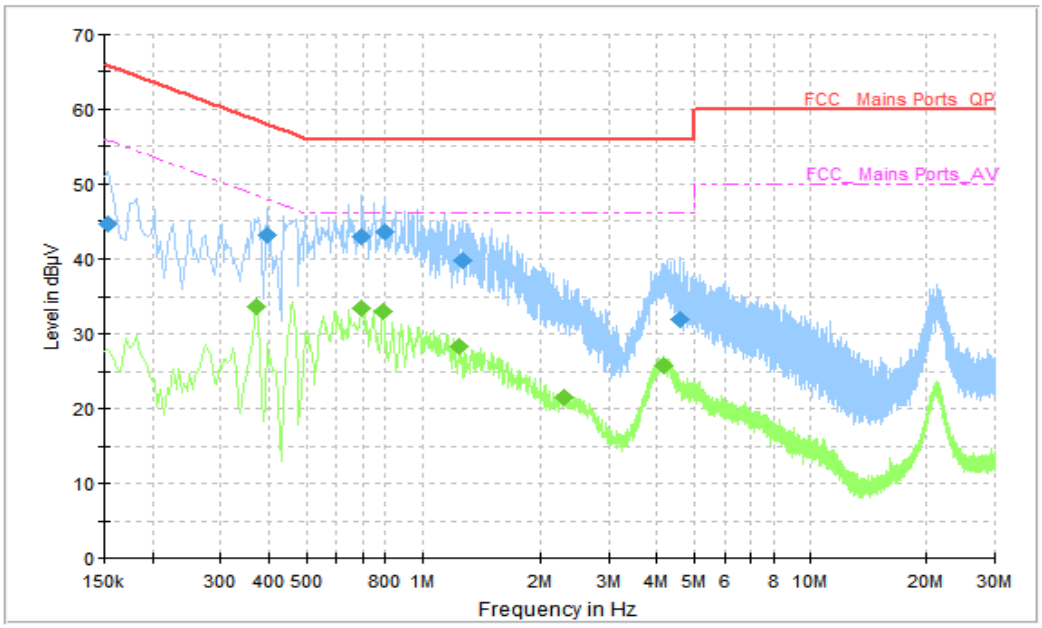

Figure A.2.7 Conducted Emission(Set.6, GLONASS)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.154000	44.65	65.78	21.13	N	10	34.65
0.398000	43.16	57.90	14.74	L1	10	33.16
0.698000	42.87	56.00	13.13	L1	10	32.87
0.798000	43.63	56.00	12.37	L1	10	33.63
1.274000	39.66	56.00	16.34	L1	10	29.66
4.610000	31.97	56.00	24.03	L1	10	21.97

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.370000	33.64	48.50	14.86	L1	10	23.64
0.698000	33.48	46.00	12.52	L1	10	23.48
0.790000	33.16	46.00	12.84	L1	10	23.16
1.250000	28.29	46.00	17.71	L1	10	18.29
2.294000	21.55	46.00	24.45	L1	10	11.55
4.186000	25.88	46.00	20.12	L1	10	15.88

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AC Input Port/ Voltage: 120V/60Hz

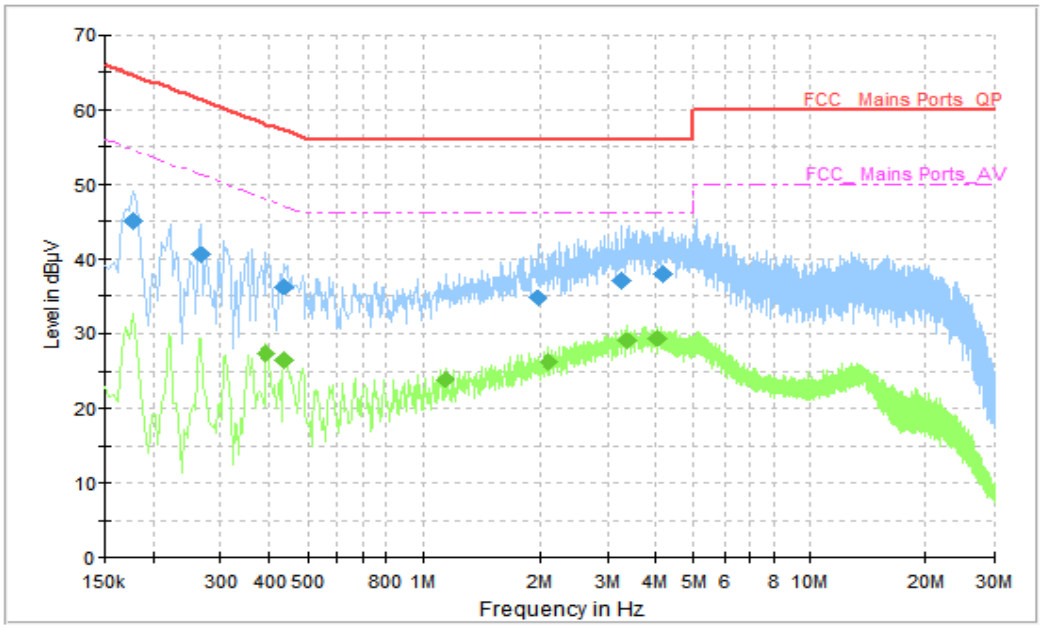

Figure A.2.8 Conducted Emission(Set.4, Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.178000	44.94	64.58	19.64	N	10	34.94
0.266000	40.65	61.24	20.59	L1	10	30.65
0.438000	36.27	57.10	20.83	N	10	26.27
1.986000	34.79	56.00	21.21	L1	10	24.79
3.250000	37.07	56.00	18.93	L1	10	27.07
4.166000	37.97	56.00	18.03	L1	10	27.97

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.394000	27.31	47.98	20.66	N	L1	27.31
0.438000	26.43	47.10	20.67	L1	N	26.43
1.142000	23.99	46.00	22.01	L1	L1	23.99
2.118000	26.35	46.00	19.65	L1	L1	26.35
3.362000	29.12	46.00	16.88	L1	L1	29.12
4.046000	29.37	46.00	16.63	L1	L1	29.37

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AC Input Port/ Voltage: 120V/60Hz

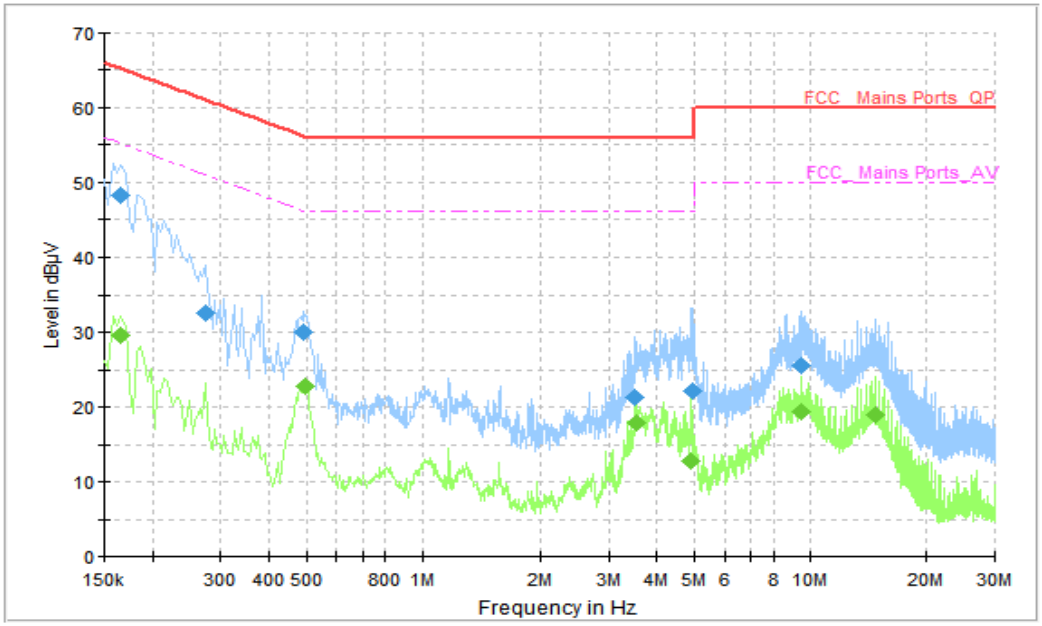

Figure A.2.9 Conducted Emission(Set.8, Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.166000	48.24	65.16	16.91	L1	10	38.24
0.274000	32.58	61.00	28.42	N	10	22.58
0.490000	30.05	56.17	26.11	L1	10	20.05
3.522000	21.41	56.00	34.59	N	10	11.41
4.938000	22.13	56.00	33.87	N	10	12.13
9.498000	25.59	60.00	34.41	N	10	15.59

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.166000	29.75	55.16	25.41	L1	10	19.75
0.498000	22.80	46.03	23.24	L1	10	12.80
3.534000	17.90	46.00	28.10	N	10	7.90
4.906000	12.81	46.00	33.19	N	10	2.81
9.498000	19.52	50.00	30.48	N	10	9.52
14.718000	18.96	50.00	31.04	L1	10	8.96

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AC Input Port/ Voltage: 120V/60Hz

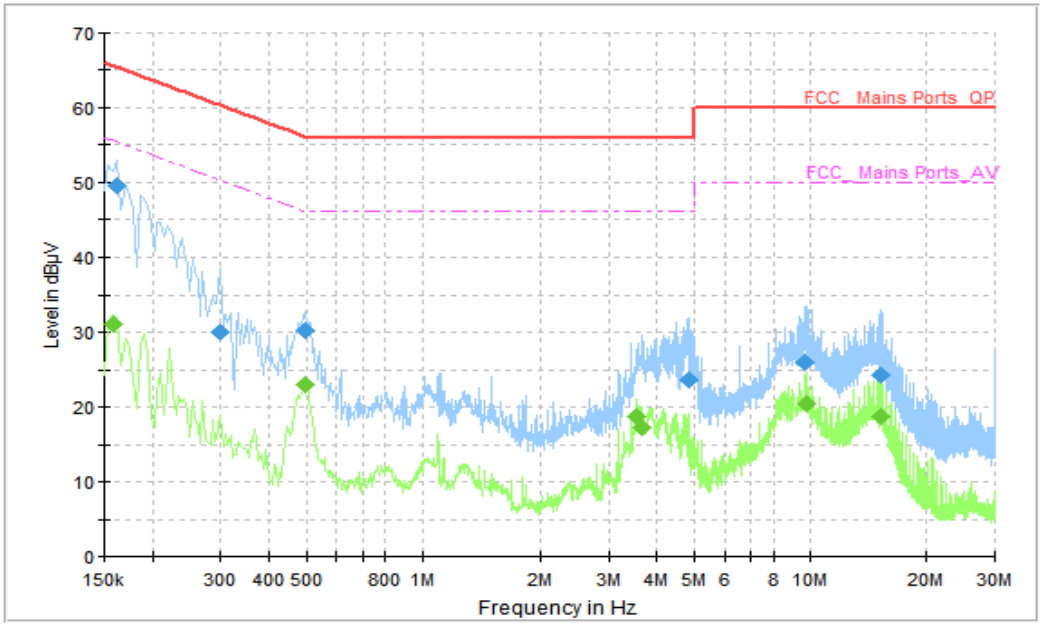

Figure A.2.10 Conducted Emission(Set.9, Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.162000	49.48	65.36	15.89	L1	10	39.48
0.298000	30.09	60.30	30.21	L1	10	20.09
0.498000	30.29	56.03	25.74	L1	10	20.29
4.818000	23.70	56.00	32.30	L1	10	13.70
9.658000	26.07	60.00	33.93	N	10	16.07
15.206000	24.35	60.00	35.65	L1	10	14.35

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.158000	31.07	55.57	24.49	L1	10	21.07
0.498000	22.97	46.03	23.06	L1	10	12.97
3.558000	18.70	46.00	27.30	N	10	8.70
3.670000	17.19	46.00	28.81	L1	10	7.19
9.722000	20.58	50.00	29.42	N	10	10.58
15.206000	18.71	50.00	31.29	L1	10	8.71

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AC Input Port/ Voltage: 240V/60Hz

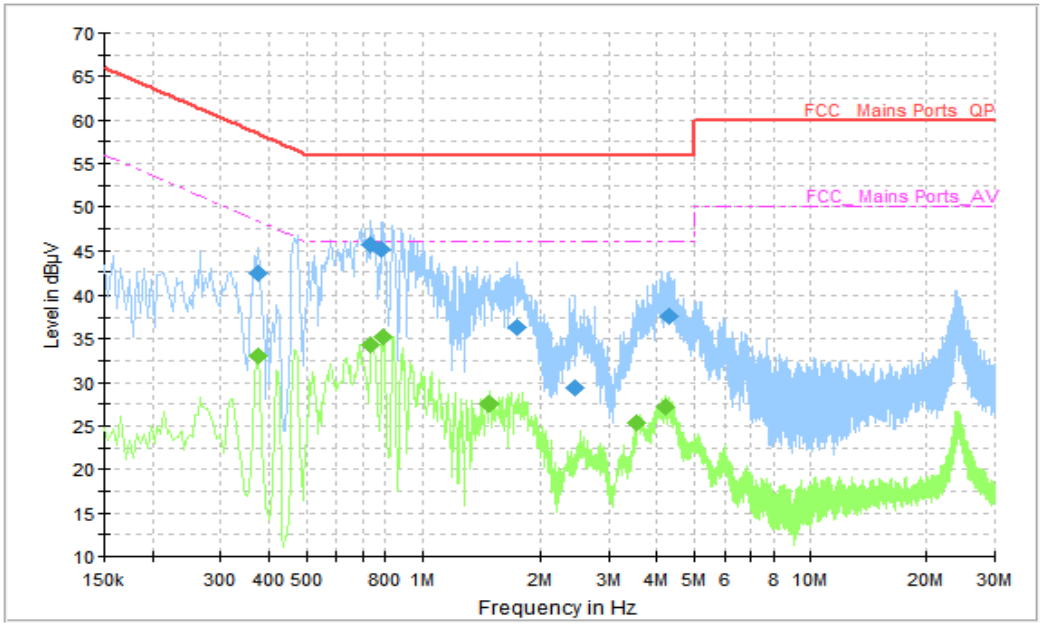

Figure A.2.11 Conducted Emission(Set.3, Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.374000	42.42	58.41	15.99	L1	10	32.42
0.734000	45.75	56.00	10.25	N	10	35.75
0.786000	45.09	56.00	10.91	N	10	35.09
1.742000	36.37	56.00	19.63	N	10	26.37
2.458000	29.42	56.00	26.58	L1	10	19.42
4.298000	37.56	56.00	18.44	N	10	27.56

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.374000	33.14	48.41	15.28	L1	10	23.14
0.734000	34.34	46.00	11.67	N	10	24.34
0.794000	35.32	46.00	10.68	N	10	25.32
1.474000	27.49	46.00	18.51	N	10	17.49
3.550000	25.31	46.00	20.69	N	10	15.31
4.198000	27.15	46.00	18.85	N	10	17.15

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AC Input Port/ Voltage: 240V/60Hz

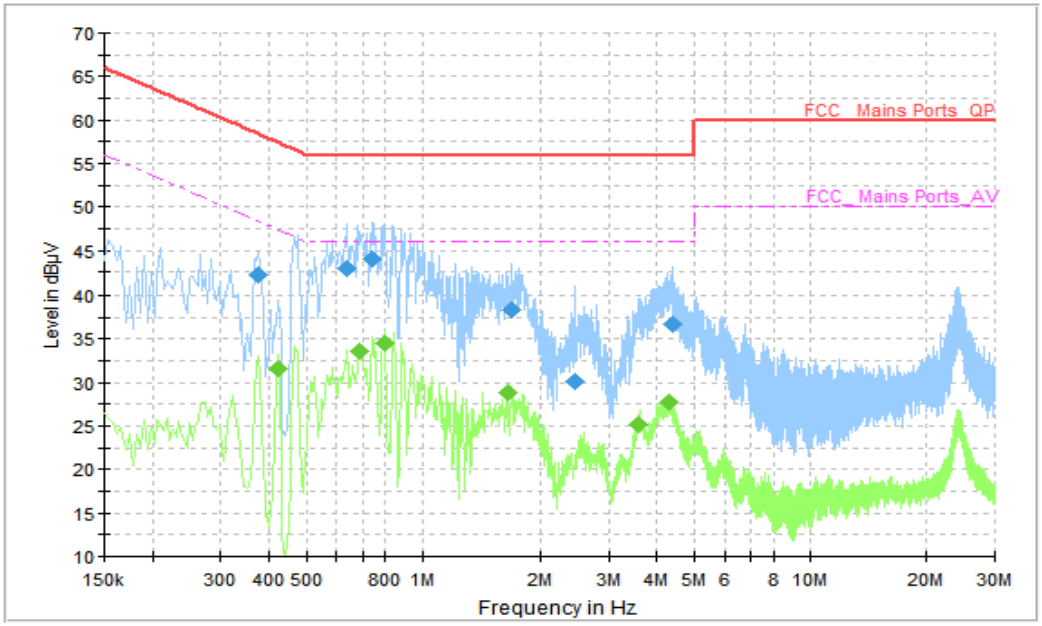

Figure A.2.12 Conducted Emission(Set.3, Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.374000	42.16	58.41	16.25	L1	10	32.16
0.634000	42.99	56.00	13.01	N	10	32.99
0.742000	43.96	56.00	12.04	N	10	33.96
1.690000	38.43	56.00	17.57	N	10	28.43
2.458000	30.20	56.00	25.80	L1	10	20.2
4.394000	36.64	56.00	19.36	N	10	26.64

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.422000	31.63	47.41	15.78	N	10	21.63
0.690000	33.51	46.00	12.49	N	10	23.51
0.798000	34.49	46.00	11.51	N	10	24.49
1.638000	28.77	46.00	17.23	N	10	18.77
3.570000	25.11	46.00	20.89	N	10	15.11
4.306000	27.72	46.00	18.28	N	10	17.72

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AC Input Port/ Voltage: 240V/60Hz

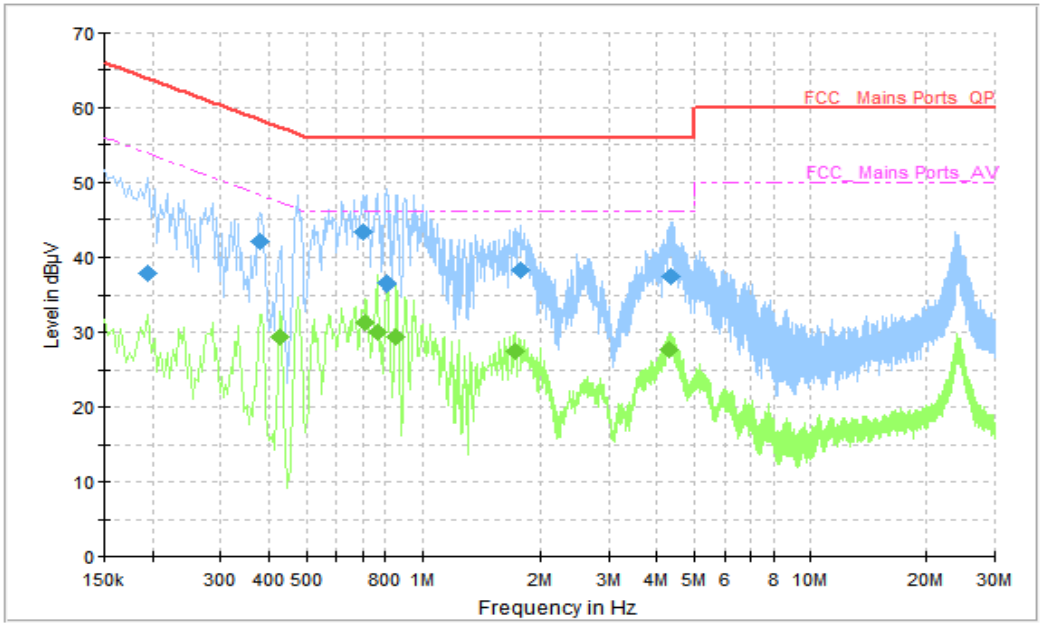

Figure A.2.13 Conducted Emission(Set.7, FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.194000	37.76	63.86	26.11	N	10	27.76
0.378000	42.14	58.32	16.18	L1	10	32.14
0.702000	43.28	56.00	12.72	N	10	33.28
0.810000	36.40	56.00	19.60	N	10	26.40
1.770000	38.22	56.00	17.78	N	10	28.22
4.358000	37.40	56.00	18.60	N	10	27.40

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.426000	29.49	47.33	17.84	N	10	19.49
0.710000	31.43	46.00	14.57	N	10	21.43
0.762000	30.15	46.00	15.85	N	10	20.15
0.854000	29.41	46.00	16.59	N	10	19.41
1.718000	27.49	46.00	18.51	N	10	17.49
4.290000	27.75	46.00	18.25	N	10	17.75

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AC Input Port/ Voltage: 240V/60Hz

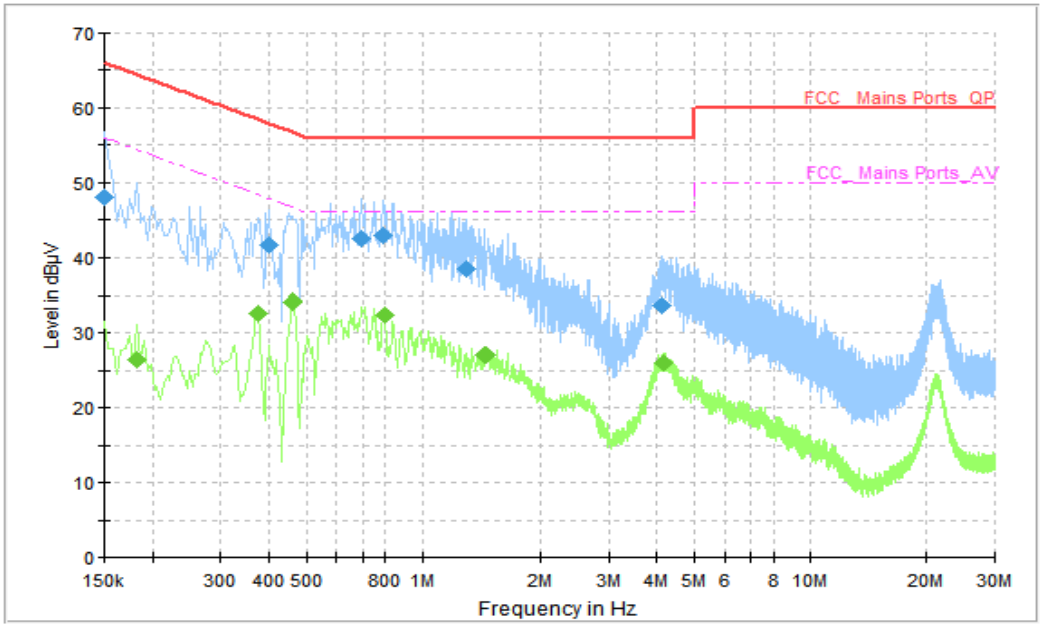

Figure A.2.14 Conducted Emission(Set.1, Wi-Fi)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	48.01	66.00	17.99	N	10	38.01
0.402000	41.61	57.81	16.20	L1	10	31.61
0.694000	42.37	56.00	13.63	L1	10	32.37
0.790000	42.99	56.00	13.01	L1	10	32.99
1.298000	38.44	56.00	17.56	L1	10	28.44
4.098000	33.75	56.00	22.25	L1	10	23.75

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.182000	26.50	54.39	27.89	N	10	16.50
0.374000	32.60	48.41	15.81	L1	10	22.60
0.462000	34.14	46.66	12.52	L1	10	24.14
0.798000	32.53	46.00	13.47	L1	10	22.53
1.450000	27.04	46.00	18.96	L1	10	17.04
4.158000	26.09	46.00	19.91	L1	10	16.09

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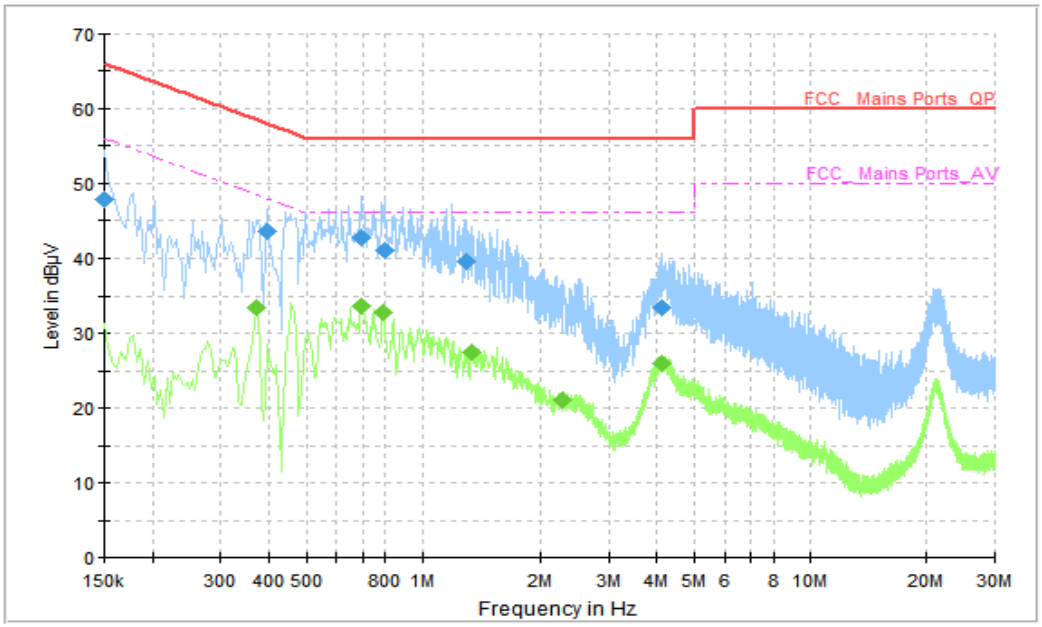

Figure A.2.15 Conducted Emission(Set.1, Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	47.86	66.00	18.14	L1	10	37.86
0.398000	43.56	57.90	14.34	L1	10	33.56
0.694000	42.72	56.00	13.28	L1	10	32.72
0.802000	40.95	56.00	15.05	L1	10	30.95
1.294000	39.42	56.00	16.58	L1	10	29.42
4.114000	33.40	56.00	22.60	L1	10	23.40

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.370000	33.52	48.50	14.98	L1	10	23.52
0.698000	33.67	46.00	12.33	L1	10	23.67
0.794000	32.96	46.00	13.04	L1	10	22.96
1.334000	27.46	46.00	18.54	L1	10	17.46
2.286000	21.13	46.00	24.87	L1	10	11.13
4.130000	26.05	46.00	19.95	L1	10	16.05

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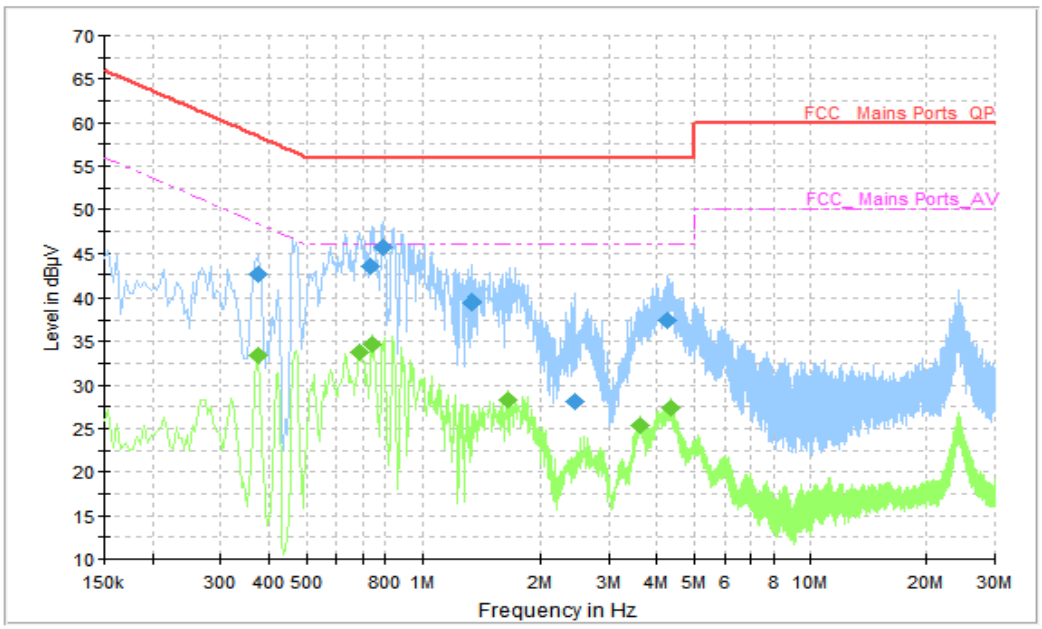

Figure A.2.16 Conducted Emission(Set.6, GPS)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.374000	42.55	58.41	15.86	L1	10	32.55
0.730000	43.46	56.00	12.54	N	10	33.46
0.790000	45.67	56.00	10.33	N	10	35.67
1.342000	39.51	56.00	16.49	N	10	29.51
2.462000	28.19	56.00	27.81	L1	10	18.19
4.250000	37.38	56.00	18.62	N	10	27.38

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.374000	33.34	48.41	15.08	L1	10	23.34
0.686000	33.85	46.00	12.15	N	10	23.85
0.738000	34.70	46.00	11.30	N	10	24.70
1.638000	28.24	46.00	17.76	N	10	18.24
3.602000	25.43	46.00	20.57	N	10	15.43
4.346000	27.46	46.00	18.54	N	10	17.46

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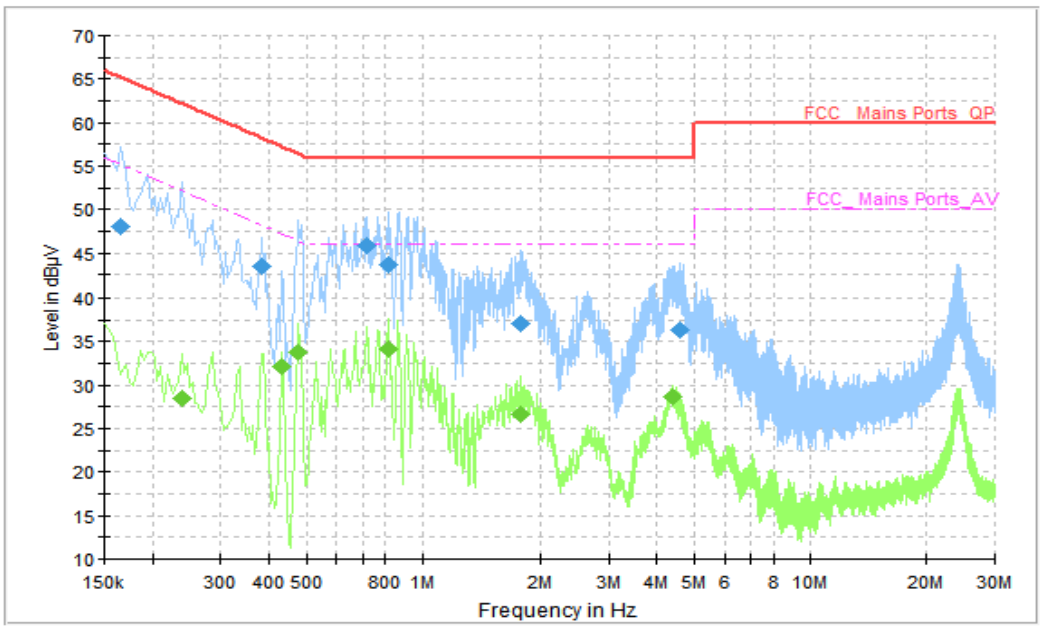

Figure A.2.17 Conducted Emission(Set.6, GLONASS)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.166000	43.11	65.16	22.04	N	10	33.11
0.382000	43.45	58.24	14.79	L1	10	33.45
0.714000	45.91	56.00	10.09	N	10	35.91
0.814000	43.65	56.00	12.35	N	10	33.65
1.778000	37.08	56.00	18.92	N	10	27.08
4.566000	36.40	56.00	19.60	N	10	26.40

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.238000	28.40	52.17	23.76	N	10	18.40
0.430000	32.12	47.25	15.14	N	10	22.12
0.478000	33.70	46.37	12.68	N	10	23.70
0.814000	34.09	46.00	11.91	N	10	24.09
1.778000	26.69	46.00	19.31	N	10	16.69
4.382000	28.71	46.00	17.29	N	10	18.71

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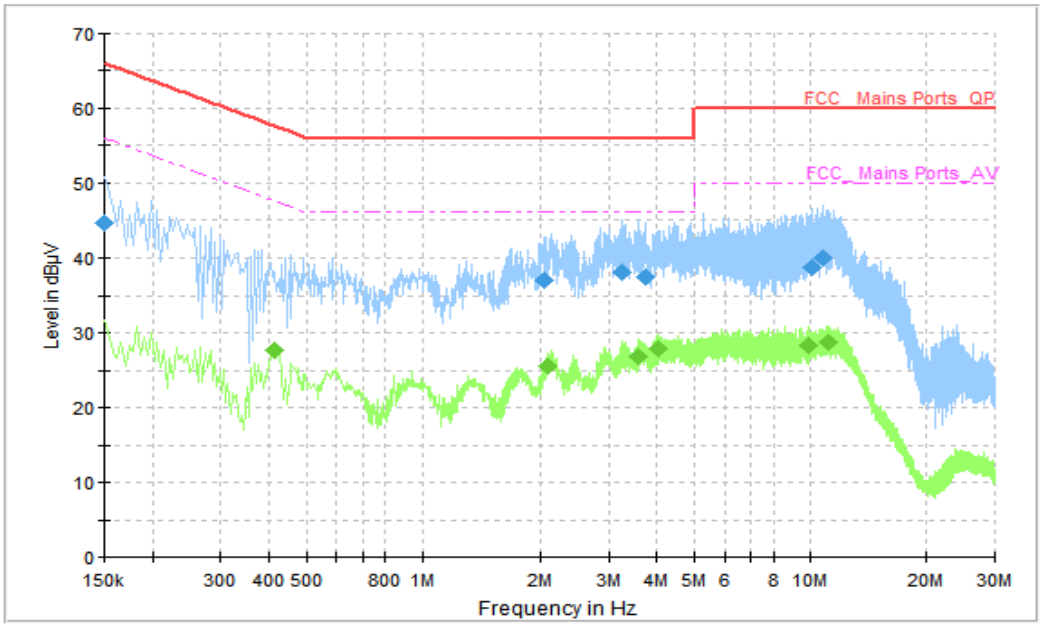

Figure A.2.18 Conducted Emission(Set.4, Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.150000	44.50	66.00	21.50	N	10	34.50
2.046000	36.85	56.00	19.15	N	10	26.85
3.266000	38.02	56.00	17.98	N	10	28.02
3.718000	37.32	56.00	18.68	N	10	27.32
10.126000	38.59	60.00	21.41	N	10	28.59
10.714000	39.89	60.00	20.11	N	10	29.89

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.414000	27.73	47.57	19.83	N	10	17.73
2.098000	25.57	46.00	20.43	N	10	15.57
3.594000	26.82	46.00	19.18	N	10	16.82
4.046000	28.00	46.00	18.00	N	10	18.00
9.894000	28.41	50.00	21.59	N	10	18.41
11.134000	28.76	50.00	21.24	N	10	18.76

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AC Input Port/ Voltage: 240V/60Hz

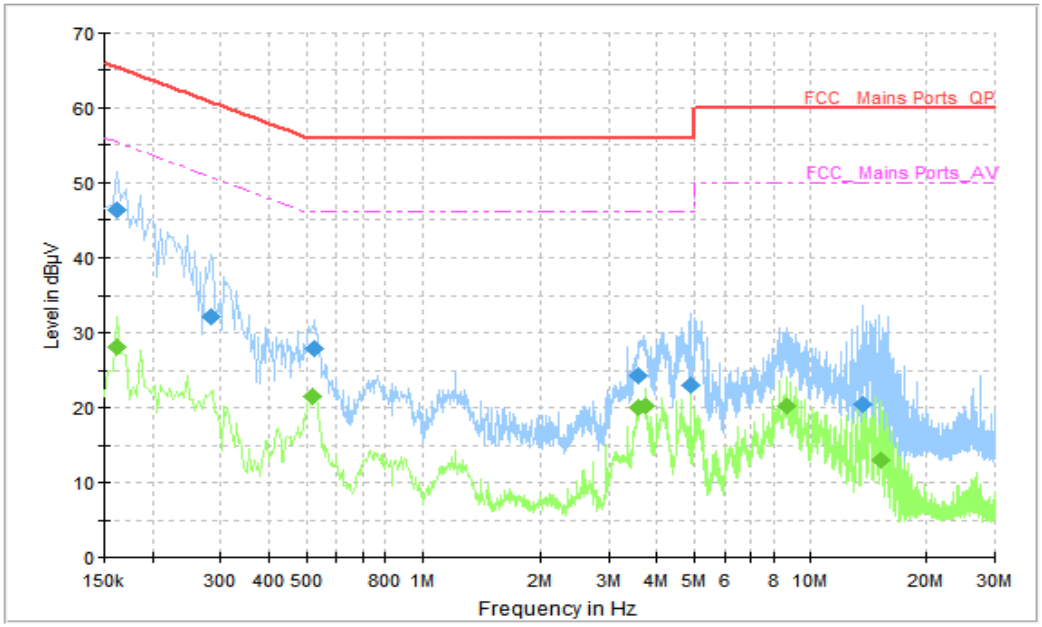

Figure A.2.19 Conducted Emission(Set.8, Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.162000	46.37	65.36	18.99	L1	10	36.37
0.282000	32.19	60.76	28.57	N	10	22.19
0.526000	27.97	56.00	28.03	L1	10	17.97
3.594000	24.37	56.00	31.63	N	10	14.37
4.874000	22.95	56.00	33.05	N	10	12.95
13.606000	20.54	60.00	39.46	L1	10	10.54

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.162000	28.27	55.36	27.09	L1	10	18.27
0.518000	21.60	46.00	24.40	L1	10	11.60
3.598000	20.08	46.00	25.92	N	10	10.08
3.726000	20.24	46.00	25.76	N	10	10.24
8.714000	20.28	50.00	29.72	N	10	10.28
15.170000	13.06	50.00	36.94	L1	10	3.06

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AC Input Port/ Voltage: 240V/60Hz

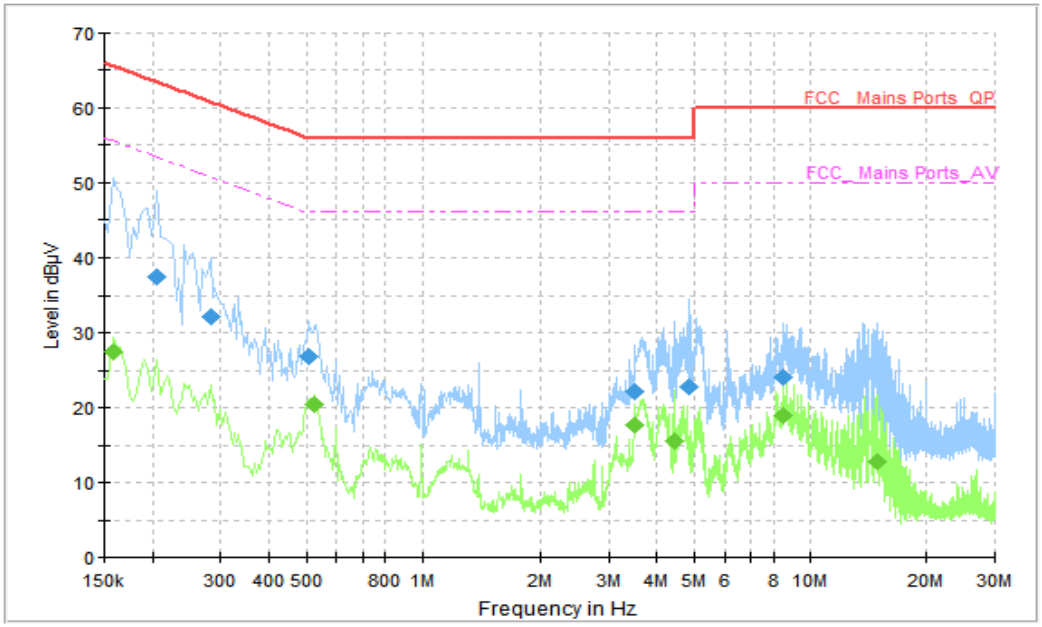

Figure A.2.20 Conducted Emission(Set.9, Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.206000	37.29	63.37	26.07	L1	10	27.29
0.282000	32.22	60.76	28.54	L1	10	22.22
0.506000	26.86	56.00	29.14	L1	10	16.86
3.518000	22.24	56.00	33.76	N	10	12.24
4.866000	22.83	56.00	33.17	N	10	12.83
8.494000	24.04	60.00	35.96	N	10	14.04

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P_{Mea} (dBµV)
0.158000	27.61	55.57	27.96	L1	10	17.61
0.526000	20.50	46.00	25.50	L1	10	10.50
3.514000	17.64	46.00	28.36	N	10	7.64
4.422000	15.58	46.00	30.42	L1	10	5.58
8.494000	18.91	50.00	31.09	N	10	8.91
14.942000	12.85	50.00	37.15	L1	10	2.85

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

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