



TEST REPORT

No.I20N03205-EMC

for

TCL Communication Ltd.

LTE/WCDMA/GSM mobile phone

Model Name: 4063A

With

Hardware Version:V1.0

Software Version:8K16

FCC ID:2ACCJB143

Issued Date: 2021-01-04

Designation Number: CN1210

Note:

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

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I20N03205-EMC	Rev.0	1st edition	2021-01-04

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	LTE/WCDMA/GSM mobile phone
Model Name	4063A
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

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

1.3. Test Result

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: 2020-12-15

Testing End Date: 2020-12-31

1.6. Signature

Ma Shoujian
(Prepared this test report)

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(Reviewed this test report)

Cao Junfei
(Approved this test report)



2. ClientInformation

2.1. Applicant Information

Company Name: TCL Communication Ltd.
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Email: zhizhou.gong@tcl.com
Tel: 0086-755-36611722
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2.2. Manufacturer Information

Company Name: TCL Communication Ltd.
Address: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science Park, Shatin, NT, Hong Kong
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Email: zhizhou.gong@tcl.com
Tel: 0086-755-36611722
Fax: 0086-755-36612000-81722



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

3.1. About EUT

Description	LTE/WCDMA/GSM mobile phone
Model Name	4063A
FCC ID	2ACCJB143
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	351656200001158	V1.0	8K16	2020-12-15
UT03aa	351656200001166	V1.0	8K16	2020-12-15

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

3.3. Internal Identification of AE

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

AE1-1

Model	TLi028C7
S/N	CAB2880000C7
Manufacturer	VEKEN
Capacity	2880mAh
Nominal Voltage	3.85V

AE1-2

Model	TLi028C1
S/N	CAB2880001C11
Manufacturer	BYD
Capacity	2880mAh
Nominal Voltage	3.85V

AE2-1

Model	CBA0058AGAC5
Manufacturer	puan

AE2-2



Model	CBA0058AGAC7
Manufacturer	chenyang
AE3-1	
Model	CDA3122005C2
Manufacturer	SHENGHUA
AE3-2	
Model	CDA3122005C8
Manufacturer	puan
AE4-1	
Model	CCB0046A15C1
Manufacturer	DALIN
AE4-2	
Model	CCB0046A15C4
Manufacturer	MEIHAO
AE4-3	
Model	CCB0049A12C1
Manufacturer	DALIN
AE4-4	
Model	CCB0049A12C4
Manufacturer	MEIHAO

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

AE: ancillary equipment



3.4. EUT set-ups

EUT set-up No.

Set.1
Set.2
Set.3
Set.4
Set.5
Set.6
Set.7
Set.8

Combination of EUT and AE

EUT+AE1-1+AE2-1+AE3-1+AE4-1
EUT+AE1-2+AE2-2+AE3-2+AE4-2
EUT+AE1-1+AE2-1+AE3-1+AE4-3
EUT+AE1-1+AE2-1+AE3-1+AE4-4
EUT+AE1-1+AE3-1+AE4-1+PC
EUT+AE1-2+AE3-2+AE4-2+PC
EUT+AE1-2+AE3-2+AE4-3+PC
EUT+AE1-2+AE3-2+AE4-4+PC



3.5. General Description

The Equipment Under Test (EUT) is a model of LTE/WCDMA/GSM mobile phone with internal antenna.

It supports GSM 850/900/1800/1900MHz,WCDMA Bands 2/4/5, and LTE Bands 2/3/4/5/7/8/12/17/28/66..

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 and Headset

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

4. Reference Documents

4.1. Reference Documents for testing

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

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices	10-1-2019 Edition
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

5. LABORATORY ENVIRONMENT

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

9.10m×6.10m×5.60m (L×W×H)

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

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

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

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

9.10m×6.10m×5.60m (L×W×H)

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

6. SUMMARY OF TEST RESULTS

6.1. Testing Environment

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

6.2. Summary of Measurement Results

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

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

6.3. Statement

6.3.1 Statements of conformity

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

7. Measurement uncertainty

Test item	Frequency ranges	Measurement uncertainty
Radiated Emission	30MHz-1GHz	4.84dB(k=2)
	1GHz-18GHz	4.68dB(k=2)
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	2021.12.25	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	2021.11.25	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	V1.0008	VNF6C12491	HP	/	/
3.	Mouse	MOEUUOA	44NY517	Lenovo	/	/

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.

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 17.

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)

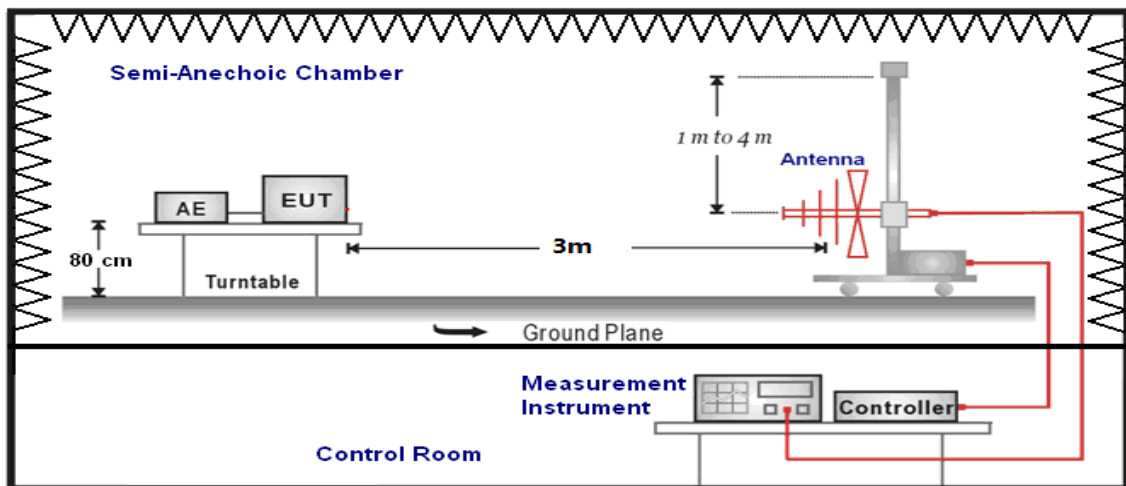
Frequency range (MHz)	Field strength limit ($\mu\text{V}/\text{m}$)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

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

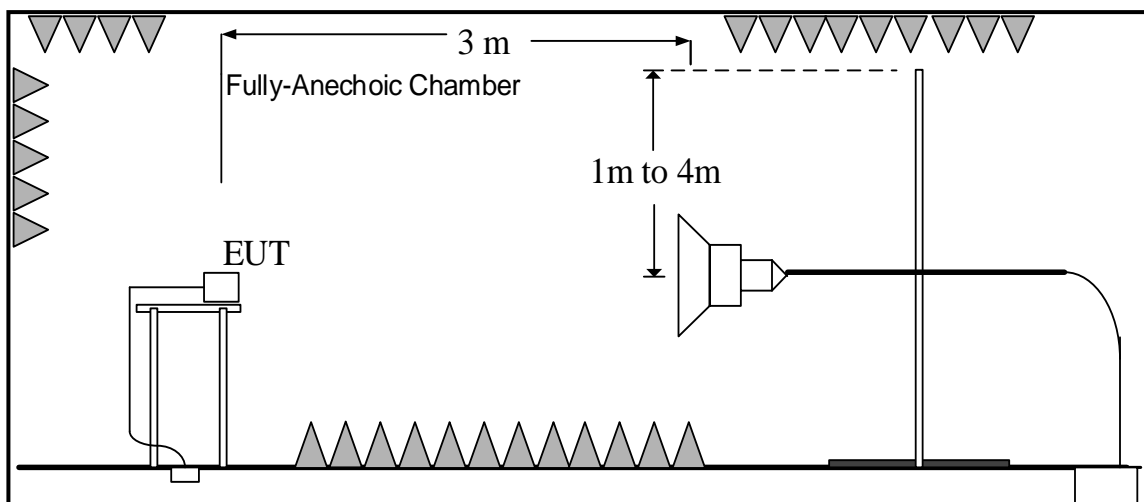
A.1.4 Test Condition

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

**A.1.5 Test set-up:
30MHz-1GHz**



1GHz-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:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

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

Note: the result contains vertical part and Horizontal part

GSM Receiver 850MHz

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT01aa/Set.1	Conclusion
30-88	40.00	See Fugure A.1.1.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.2.	P

WCDMA Receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT01aa/Set.1	Conclusion
30-88	40.00	See Fugure A.1.3.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.4.	P

LTE Receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT01aa/Set.1	Conclusion
30-88	40.00	See Fugure A.1.5.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.6.	P

LTE Receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT01aa/Set.1	Conclusion
30-88	40.00	See Fugure A.1.7.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.8.	P

LTE Receiver Band 17

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT01aa/Set.1	Conclusion
30-88	40.00	See Fugure A.1.9.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.10.	P

LTE Receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT01aa/Set.2	Conclusion
30-88	40.00	See Fugure A.1.11.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.2	
1000 to 18000	54	74	See Fugure A.1.12.	P

LTE Receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT01aa/Set.3	Conclusion
30-88	40.00	See Fugure A.1.13.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.14.	P

LTE Receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT01aa/Set.4	Conclusion
30-88	40.00	See Fugure A.1.15.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.4	
1000 to 18000	54	74	See Fugure A.1.16.	P

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.1	
30-88	40.00	See Fugure A.1.17.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.18.	P

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.1	
30-88	40.00	See Fugure A.1.19.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.20.	P

Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.1	
30-88	40.00	See Fugure A.1.21.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.22.	P

Wi-Fi

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.1	
30-88	40.00	See Fugure A.1.23.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.24.	P

Bluetooth

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.1	
30-88	40.00	See Fugure A.1.25.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.1	
1000 to 18000	54	74	See Fugure A.1.26.	P

GPS

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.1	
30-88	40.00	See Fugure A.1.27.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			Set.5	
1000 to 18000	54	74	See Fugure A.1.28.	P

GLONASS

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.1	
30-88	40.00	See Fugure A.1.29.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			Set.5	
1000 to 18000	54	74	See Fugure A.1.30.	P

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.2	
30-88	40.00	See Fugure A.1.31.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.2	
1000 to 18000	54	74	See Fugure A.1.32.	P

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.3	
30-88	40.00	See Fugure A.1.33.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.3	
1000 to 18000	54	74	See Fugure A.1.34.	P

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.4	
30-88	40.00	See Fugure A.1.35.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.4	
1000 to 18000	54	74	See Fugure A.1.36.	P

Data Transfer : EUT to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.5	
30-88	40.00	See Fugure A.1.37.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.5	
1000 to 18000	54	74	See Fugure A.1.38.	P

Data Transfer : PC to EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.5	
30-88	40.00	See Fugure A.1.39.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.5	
1000 to 18000	54	74	See Fugure A.1.40.	P

Data Transfer : PC to TF Card

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.5	
30-88	40.00	See Fugure A.1.41.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.5	
1000 to 18000	54	74	See Fugure A.1.42.	P

Data Transfer : TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.5	
30-88	40.00	See Fugure A.1.43.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.5	
1000 to 18000	54	74	See Fugure A.1.44.	P

Data Transfer : TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.6	
30-88	40.00	See Fugure A.1.45.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.6	
1000 to 18000	54	74	See Fugure A.1.46.	P

Data Transfer : TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.7	
30-88	40.00	See Fugure A.1.47.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.7	
1000 to 18000	54	74	See Fugure A.1.48.	P



Data Transfer : TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT01aa/Set.8	
30-88	40.00	See Fugure A.1.49.	P
88-216	43.50		
216-960	46.02		
960-1000	54.00		

Frequency range (MHz)	Average Limit (dB μ V/m)	Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
			UT01aa/Set.8	
1000 to 18000	54	74	See Fugure A.1.50.	P

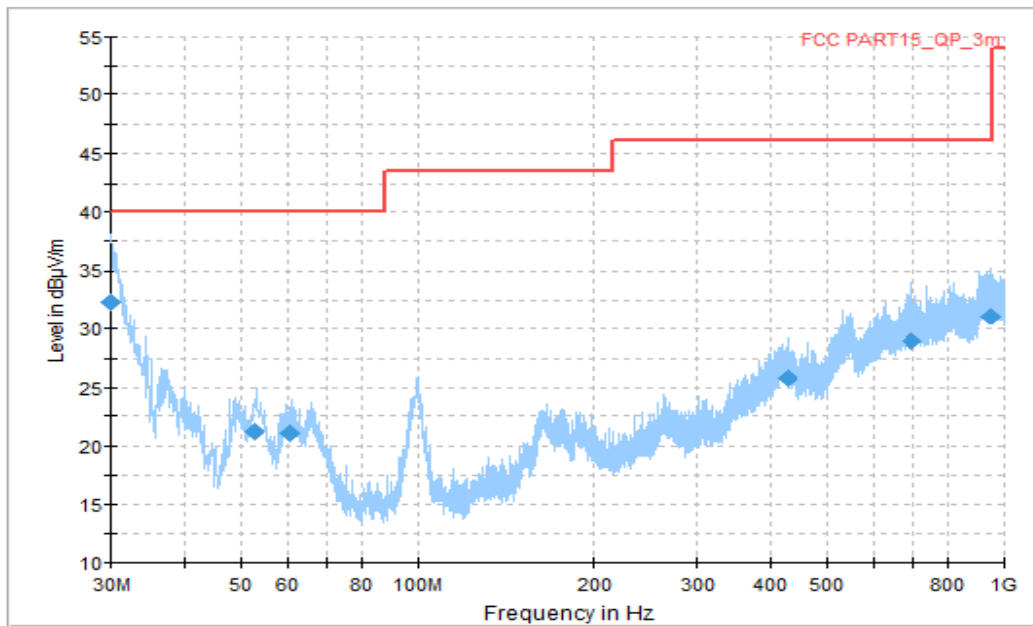


Figure A.1.1. Radiated Emission (GSM Receiver 850MHz, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	32.25	40.00	7.75	V	-6.2	38.45
52.632778	21.22	40.00	18.78	V	-15.6	36.82
60.620000	21.09	40.00	18.91	V	-15.6	36.69
429.160556	25.73	46.02	20.29	V	-4.2	29.93
695.990000	29.00	46.02	17.02	V	1.1	27.9
948.721667	31.05	46.02	14.97	V	2.7	28.35

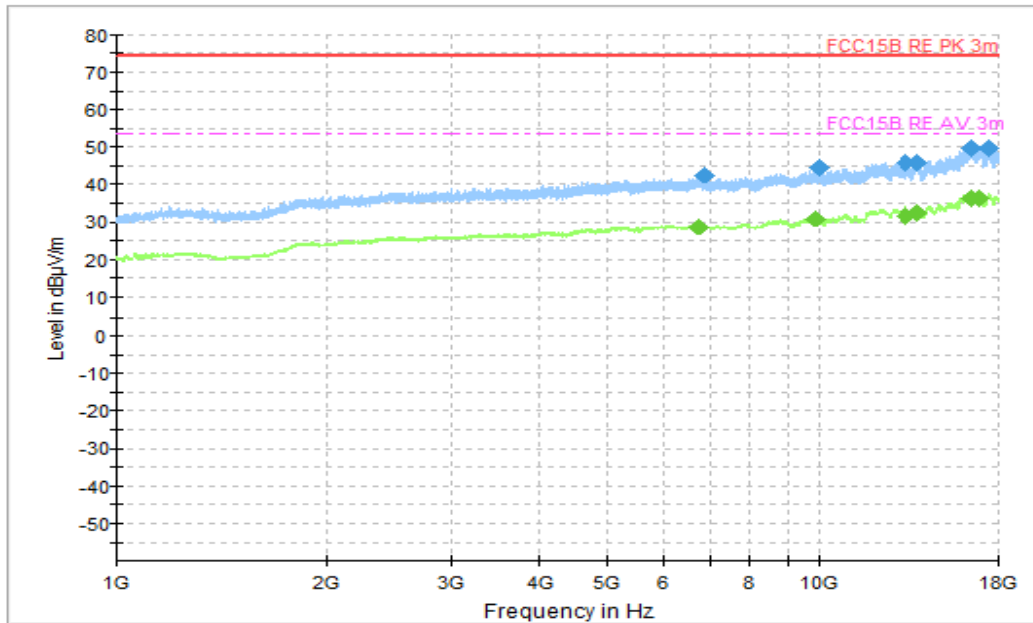


Figure A.1.2. Radiated Emission (GSM Receiver 850MHz, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6901.500000	42.60	74.00	31.40	V	3.5	39.1
10024.500000	44.49	74.00	29.51	H	6.3	38.19
13343.500000	46.11	74.00	27.89	H	8.4	37.71
13832.500000	46.06	74.00	27.94	V	9.0	37.06
16474.000000	49.62	74.00	24.38	V	14.7	34.92
17473.500000	49.53	74.00	24.47	H	14.1	35.43

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6773.000000	29.01	54.00	24.99	V	3.5	25.51
9879.000000	30.93	54.00	23.07	H	6.4	24.53
13283.500000	32.00	54.00	22.00	V	8.3	23.7
13797.500000	32.62	54.00	21.38	H	9.0	23.62
16475.000000	36.55	54.00	17.45	V	14.7	21.85
16933.000000	36.38	54.00	17.62	V	14.8	21.58

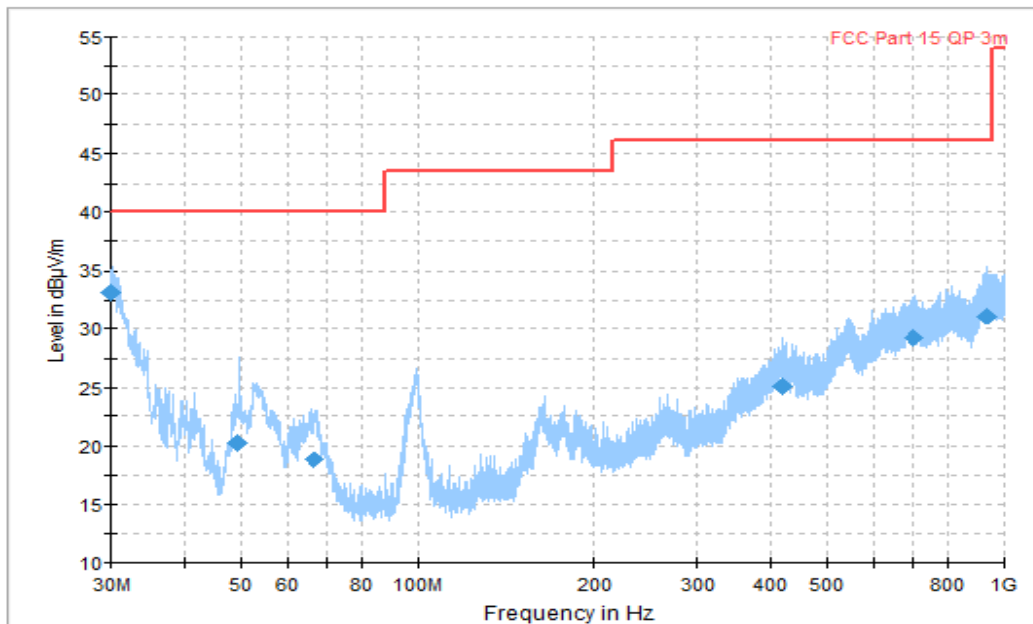


Figure A.1.3. Radiated Emission (WCDMA Receiver Band 5, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.060000	33.11	40.00	6.89	V	-6.3	39.41
49.015556	20.32	40.00	19.68	V	-15.0	35.32
66.531111	18.78	40.00	21.22	V	-14.9	33.68
418.765556	25.04	46.00	20.96	H	-3.7	28.74
701.664444	29.17	46.00	16.83	H	1.2	27.97
932.913889	31.13	46.00	14.87	H	2.7	28.43

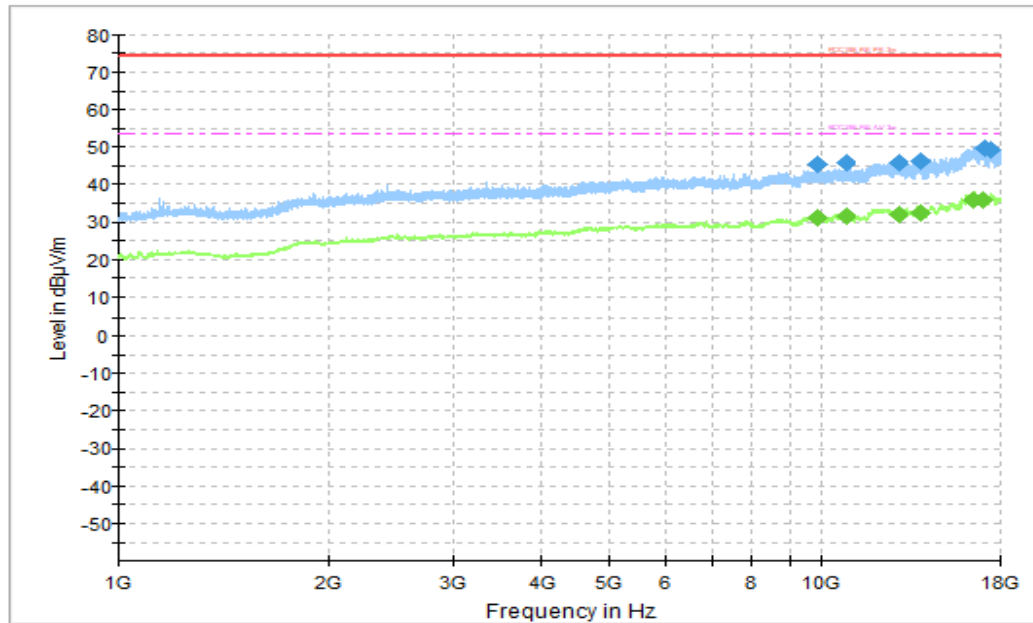


Figure A.1.4. Radiated Emission (WCDMA Receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9884.000000	45.40	74.00	28.60	V	6.4	39.00
10861.000000	45.89	74.00	28.11	V	7.1	38.79
12881.500000	45.93	74.00	28.07	V	8.7	37.23
13875.000000	46.24	74.00	27.76	V	9.1	37.14
17089.000000	49.70	74.00	24.30	V	14.6	35.1
17469.000000	49.37	74.00	24.63	V	14.1	35.27

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9880.000000	31.57	54.00	22.43	V	6.4	25.17
10855.000000	31.70	54.00	22.30	V	7.1	24.6
12869.500000	32.24	54.00	21.76	V	8.7	23.54
13866.000000	32.63	54.00	21.37	H	9.0	23.63
16539.500000	36.13	54.00	17.87	V	14.8	21.33
17029.500000	36.14	54.00	17.86	V	14.7	21.44

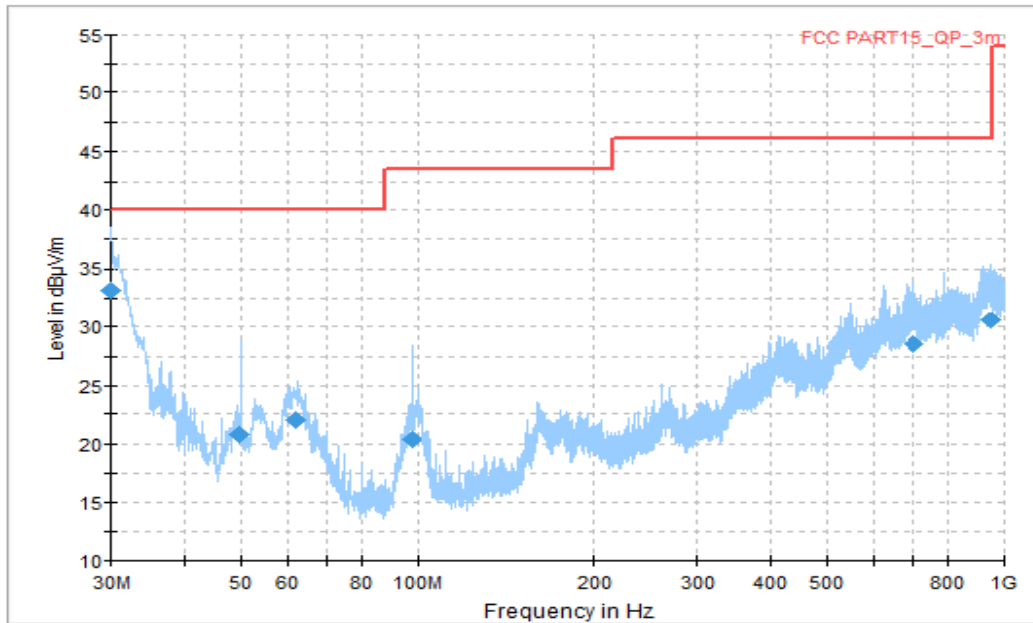


Figure A.1.5. Radiated Emission (LTE Receiver Band 5, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	33.10	40.00	6.90	V	-6.2	39.30
49.435000	20.84	40.00	19.16	V	-15.0	35.84
61.817222	22.06	40.00	17.94	V	-15.4	37.46
97.858889	20.38	43.52	23.14	V	-14.3	34.68
699.928889	28.56	46.02	17.46	V	1.1	27.46
947.075556	30.62	46.02	15.40	H	2.8	27.82

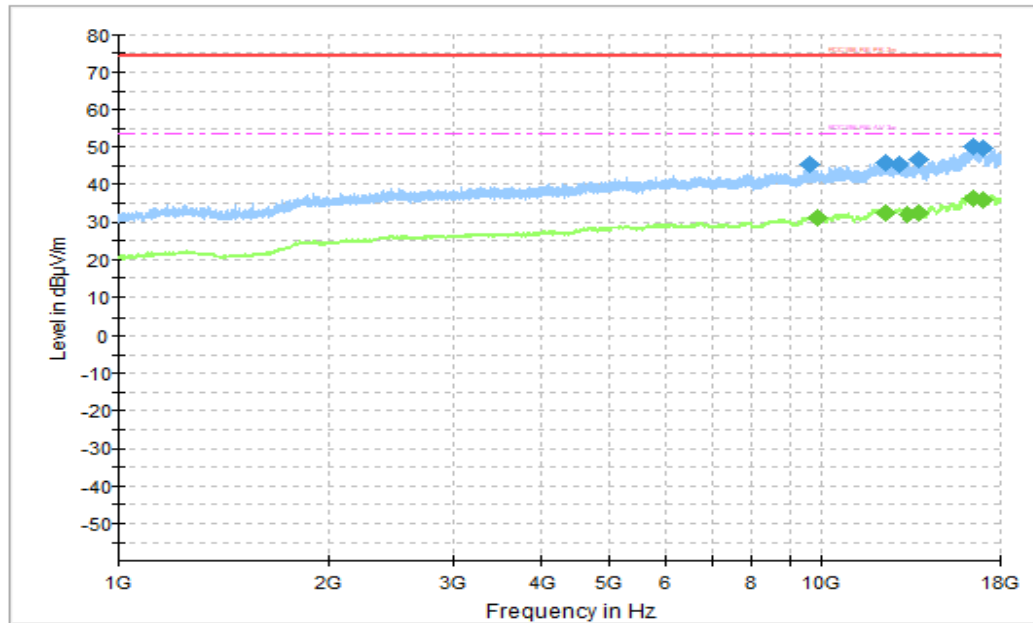


Figure A.1.6. Radiated Emission (LTE Receiver Band 5, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9630.000000	45.46	74.00	28.54	V	6.5	38.96
12340.000000	45.91	74.00	28.09	V	8.4	37.51
12934.500000	45.72	74.00	28.28	H	8.6	37.12
13825.500000	46.76	74.00	27.24	V	9.0	37.76
16546.500000	49.91	74.00	24.09	V	14.8	35.11
16990.500000	49.59	74.00	24.41	V	14.8	34.79

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9884.500000	31.54	54.00	22.46	V	6.4	25.14
12387.500000	32.53	54.00	21.47	V	8.5	24.03
13275.000000	32.05	54.00	21.95	H	8.2	23.85
13812.000000	32.48	54.00	21.52	H	9.0	23.48
16475.000000	36.36	54.00	17.64	H	14.7	21.66
16985.500000	36.03	54.00	17.97	V	14.8	21.23

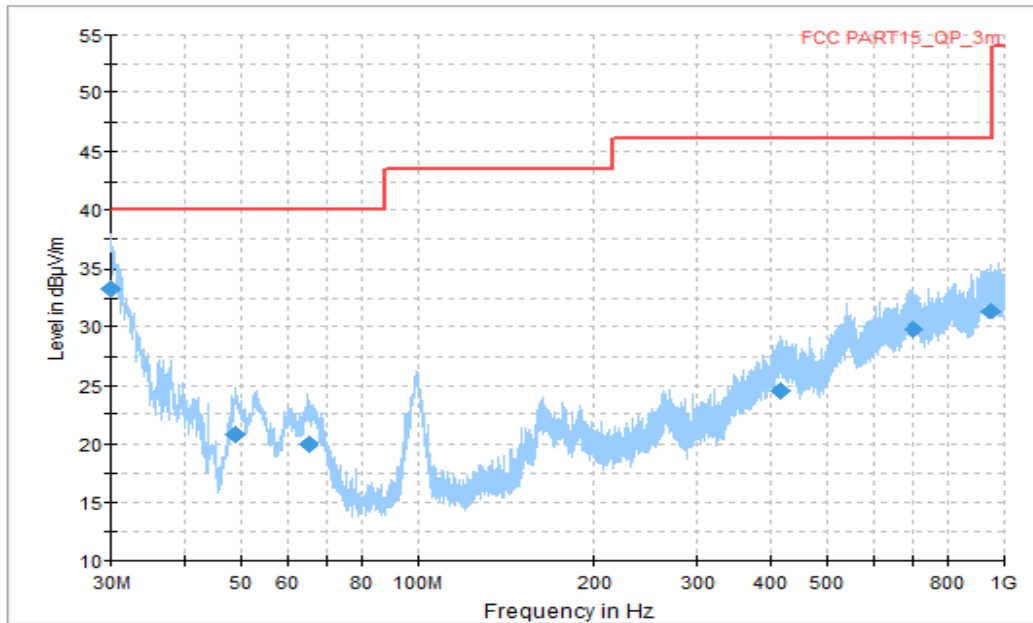


Figure A.1.7. Radiated Emission (LTE Receiver Band 12, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	33.22	40.00	6.78	V	-6.2	39.42
48.999444	20.86	40.00	19.14	V	-15.0	35.86
65.178333	19.99	40.00	20.01	V	-15.1	35.09
415.161667	24.59	46.02	21.43	V	-3.6	28.19
703.358889	29.79	46.02	16.23	V	1.1	28.69
950.630556	31.40	46.02	14.62	V	2.7	28.70

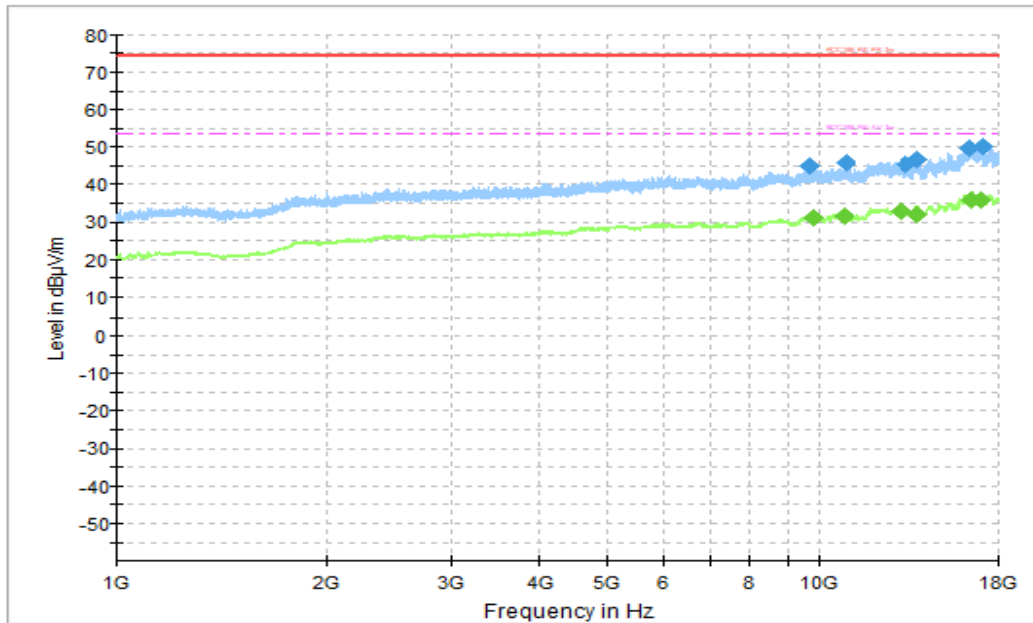


Figure A.1.8. Radiated Emission (LTE Receiver Band 12 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9706.500000	44.99	74.00	29.01	H	6.4	38.59
10904.500000	45.84	74.00	28.16	V	7.0	38.84
13317.000000	45.42	74.00	28.58	V	8.4	37.02
13850.500000	46.64	74.00	27.36	V	9.0	37.64
16409.500000	49.62	74.00	24.38	H	14.6	35.02
17081.500000	50.17	74.00	23.83	V	14.6	35.57

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9854.500000	31.52	54.00	22.48	H	6.4	25.12
10853.500000	31.71	54.00	22.29	H	7.1	24.61
13079.000000	33.03	54.00	20.97	V	8.4	24.63
13824.000000	32.43	54.00	21.57	H	9.0	23.43
16563.000000	36.16	54.00	17.84	H	14.8	21.36
17036.000000	36.08	54.00	17.92	H	14.7	21.38

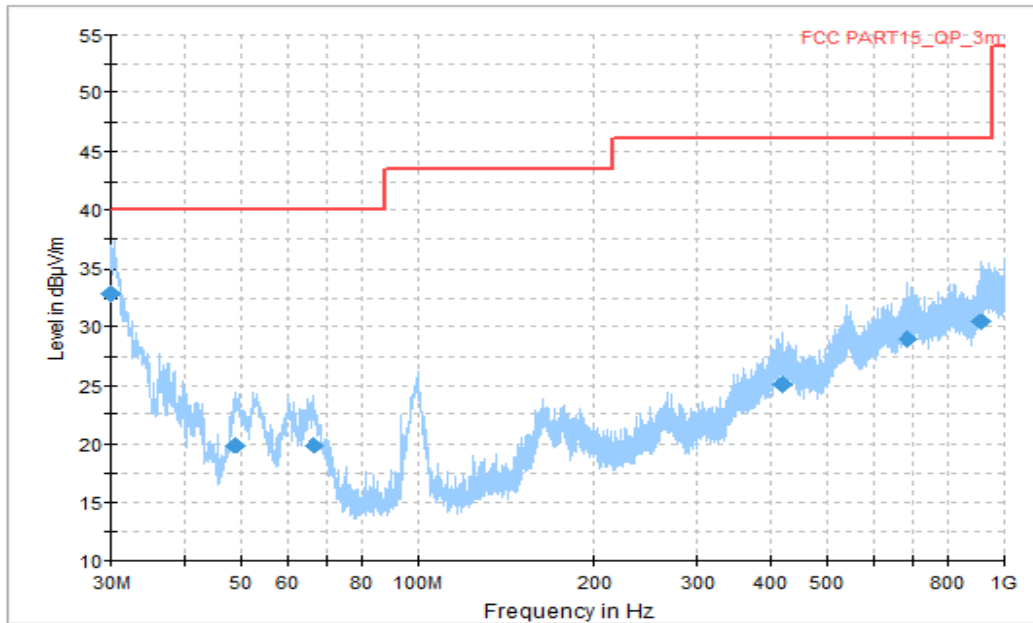


Figure A.1.9. Radiated Emission (LTE Receiver Band 17, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	32.79	40.00	7.21	V	-6.2	38.99
48.668889	19.88	40.00	20.12	V	-15.0	34.88
66.465000	19.93	40.00	20.07	V	-14.9	34.83
418.785556	25.12	46.02	18.90	H	-3.7	28.82
687.995556	28.96	46.02	17.06	H	0.9	28.06
913.752778	30.38	46.02	15.64	V	1.9	28.48

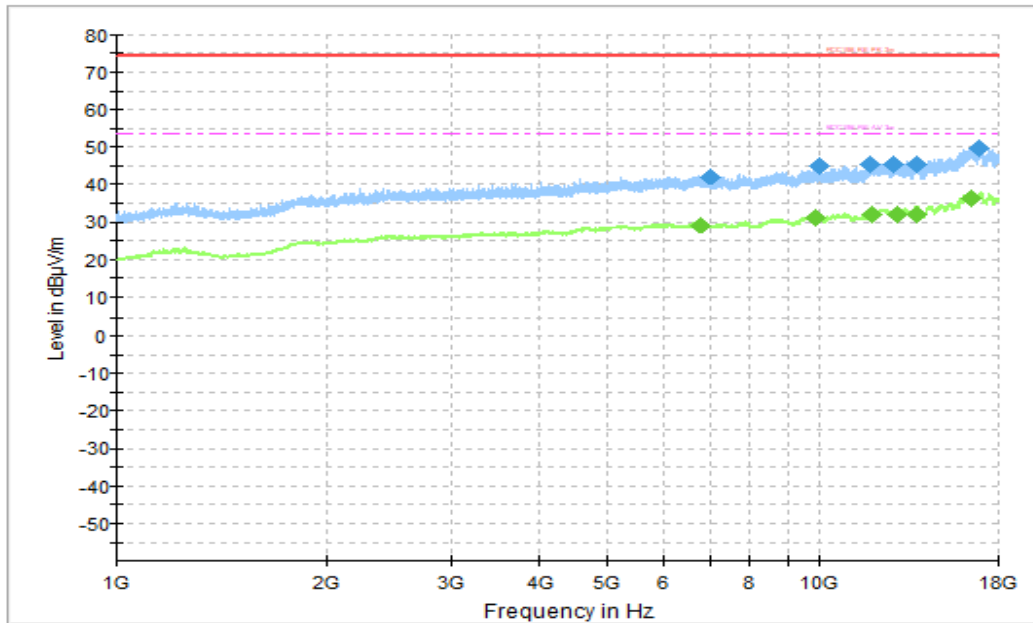


Figure A.1.10. Radiated Emission (LTE Receiver Band 17 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6990.500000	42.37	74.00	31.63	H	3.5	38.87
10045.500000	45.07	74.00	28.93	H	6.2	38.87
11830.000000	45.65	74.00	28.35	H	8.2	37.45
12780.500000	45.66	74.00	28.34	H	8.8	36.86
13782.500000	45.61	74.00	28.39	V	9.0	36.61
16892.000000	49.59	74.00	24.41	V	14.8	34.79

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6778.000000	29.42	54.00	24.58	H	3.5	25.92
9871.500000	31.53	54.00	22.47	V	6.4	25.13
11902.000000	32.39	54.00	21.61	H	8.2	24.19
12882.500000	32.32	54.00	21.68	H	8.7	23.62
13833.500000	32.40	54.00	21.60	H	9.0	23.4
16544.000000	36.28	54.00	17.72	V	14.8	21.48

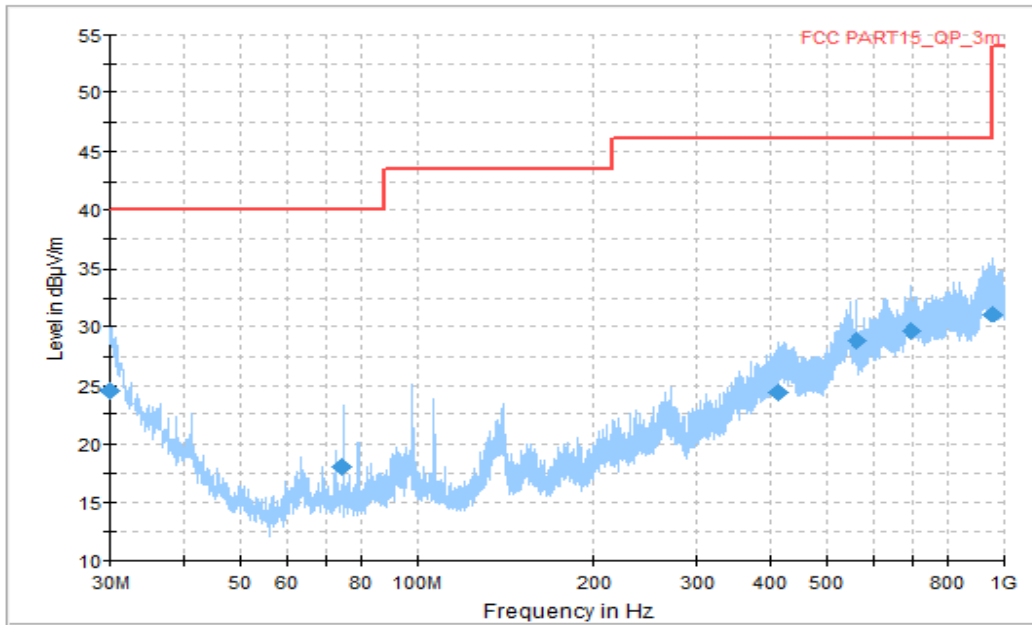


Figure A.1.11. Radiated Emission (LTE Receiver Band 12, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.090000	24.55	40.00	15.45	V	-6.3	30.85
74.547778	17.95	40.00	22.05	V	-14.6	32.55
411.658333	24.48	46.02	21.54	V	-3.6	28.08
562.553889	28.77	46.02	17.25	V	-1.8	30.57
695.157778	29.65	46.02	16.37	V	1.1	28.55
954.067778	31.06	46.02	14.96	H	2.7	28.36

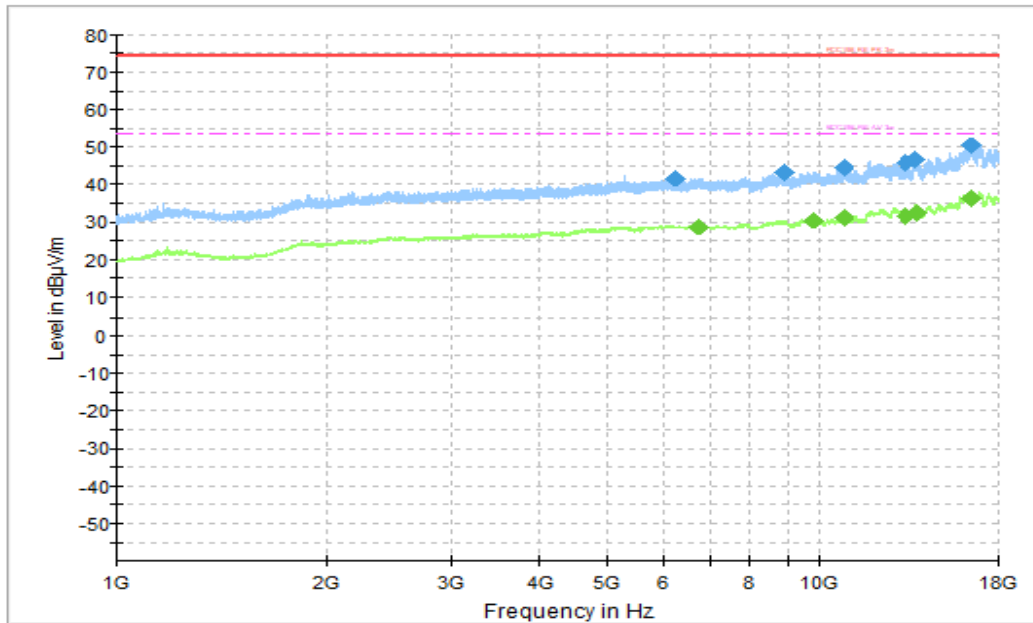


Figure A.1.12. Radiated Emission (LTE Receiver Band 12 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6217.500000	41.78	74.00	32.22	V	2.9	38.88
8937.000000	43.57	74.00	30.43	V	5.4	38.17
10848.500000	44.68	74.00	29.32	H	7.1	37.58
13279.000000	46.05	74.00	27.95	H	8.3	37.75
13712.500000	46.70	74.00	27.30	H	8.9	37.8
16527.000000	50.44	74.00	23.56	H	14.7	35.74

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6767.000000	29.07	54.00	24.93	H	3.5	25.57
9856.500000	30.46	54.00	23.54	H	6.4	24.06
10873.500000	31.29	54.00	22.71	V	7.1	24.19
13278.500000	31.95	54.00	22.05	V	8.3	23.65
13771.500000	32.67	54.00	21.33	H	9.0	23.67
16473.000000	36.47	54.00	17.53	V	14.7	21.77

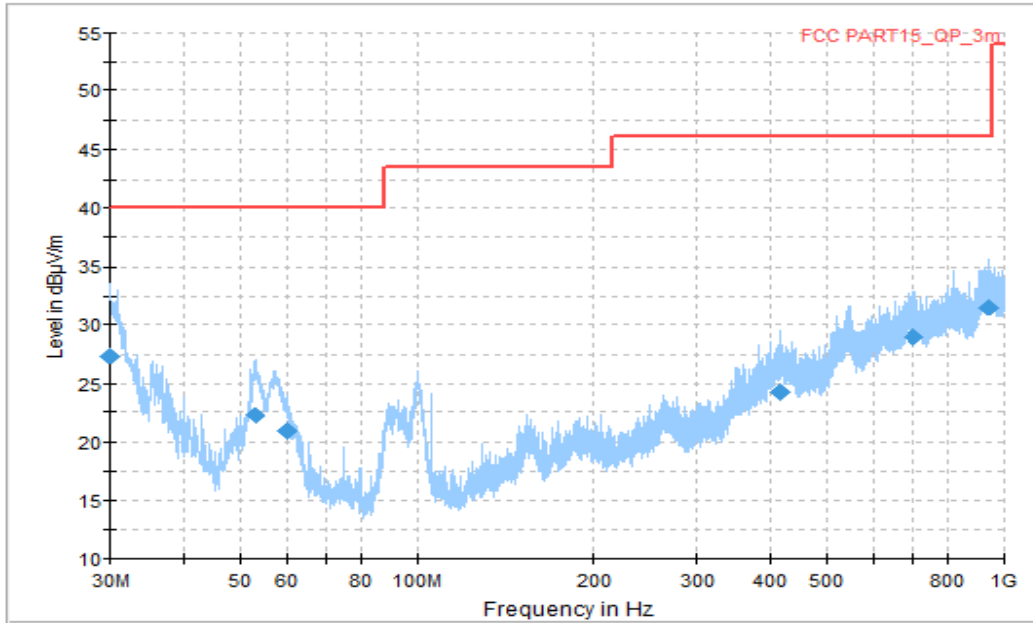


Figure A.1.13. Radiated Emission (LTE Receiver Band 12, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	27.32	40.00	12.68	V	-6.2	33.52
53.147778	22.30	40.00	17.70	V	-15.8	38.10
60.141111	20.91	40.00	19.09	V	-15.6	36.51
416.412778	24.34	46.02	21.68	V	-3.6	27.94
699.275556	29.01	46.02	17.01	H	1.1	27.91
943.822778	31.48	46.02	14.54	H	3.0	28.48

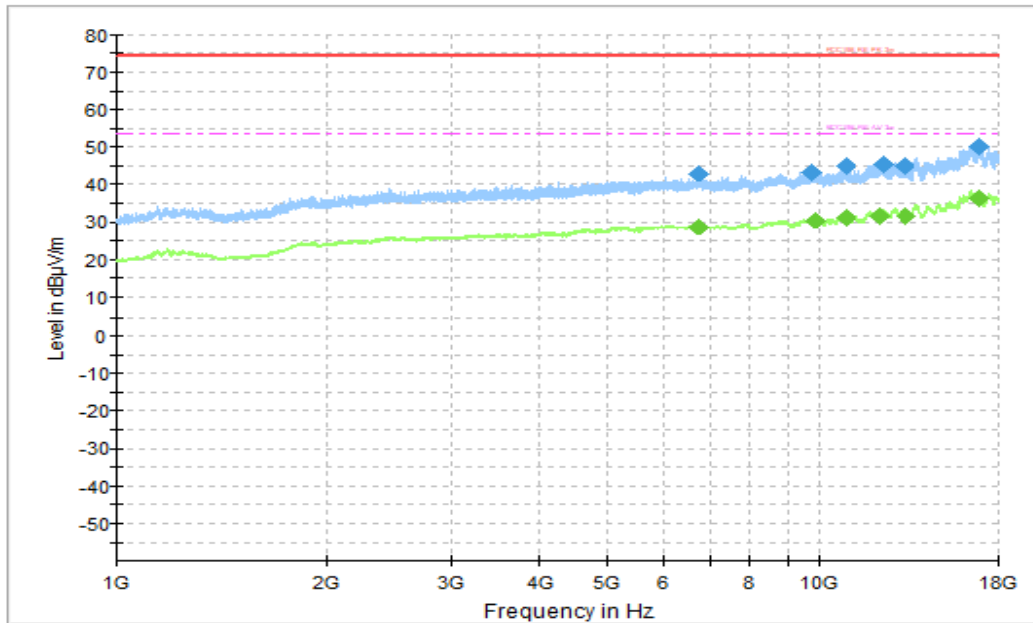


Figure A.1.14. Radiated Emission (LTE Receiver Band 12 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6768.000000	42.82	74.00	31.18	V	3.5	39.32
9768.500000	43.41	74.00	30.59	H	6.5	36.91
10906.000000	45.18	74.00	28.82	V	7.0	38.18
12325.500000	45.53	74.00	28.48	V	8.4	37.13
13253.500000	45.26	74.00	28.74	V	8.2	37.06
16921.500000	49.96	74.00	24.04	H	14.8	35.16

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6767.000000	29.08	54.00	24.92	H	3.5	25.58
9888.000000	30.63	54.00	23.37	V	6.4	24.23
10903.000000	31.39	54.00	22.61	V	7.0	24.39
12217.000000	31.78	54.00	22.22	V	8.2	23.58
13282.500000	31.99	54.00	22.01	V	8.3	23.69
16925.000000	36.28	54.00	17.72	V	14.8	21.48

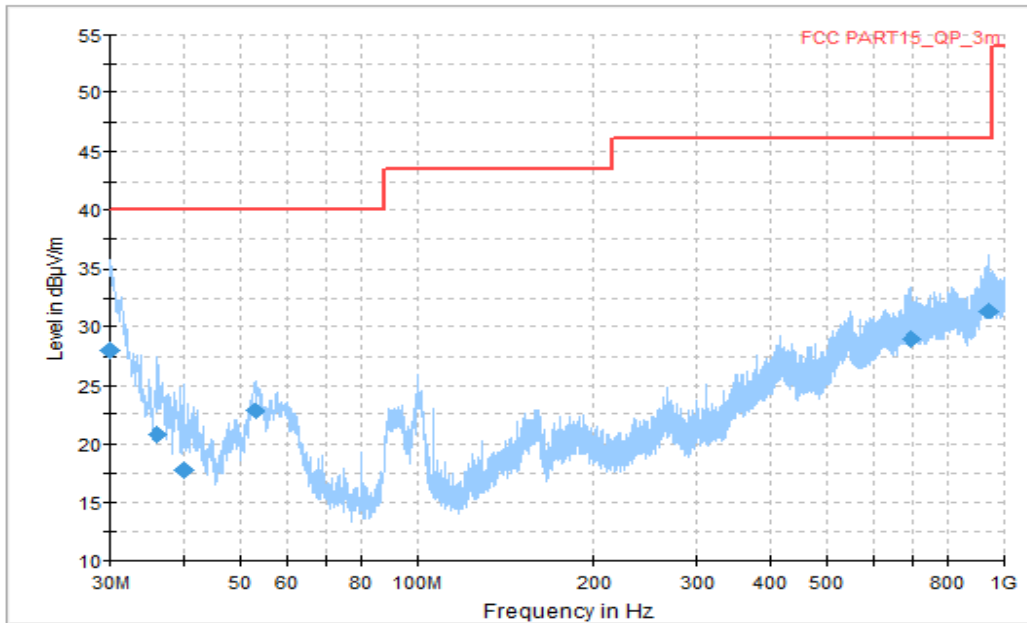


Figure A.1.15. Radiated Emission (LTE Receiver Band 12, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.060000	27.97	40.00	12.03	V	-6.3	34.27
36.029444	20.87	40.00	19.13	V	-9.6	30.47
39.915556	17.74	40.00	22.26	V	-11.7	29.44
52.855000	22.86	40.00	17.14	V	-15.7	38.56
696.199444	29.02	46.02	17.00	H	1.1	27.92
941.738889	31.40	46.02	14.62	V	2.9	28.50

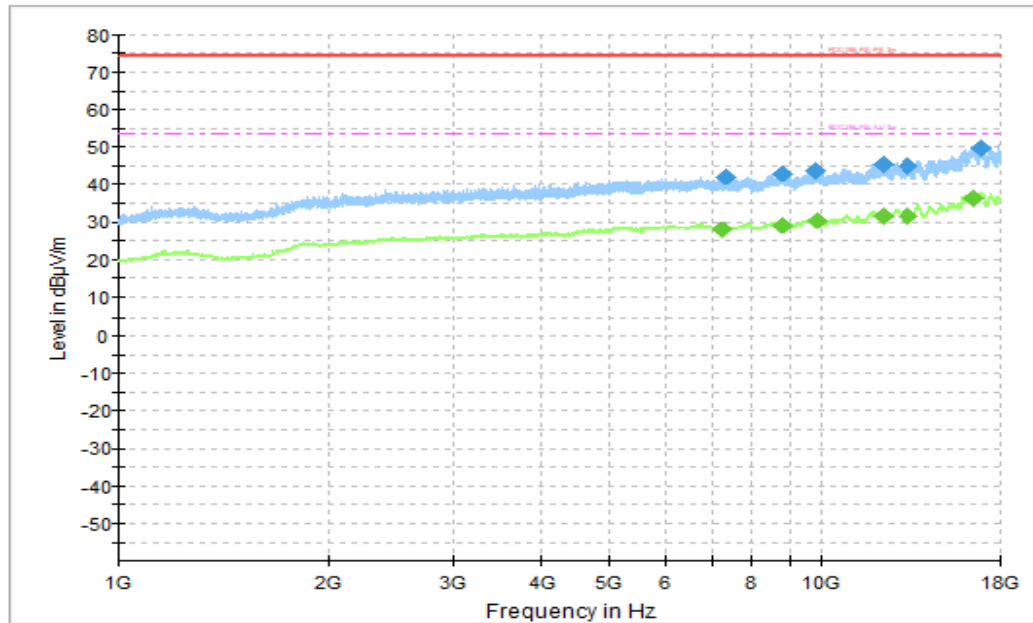


Figure A.1.16. Radiated Emission (LTE Receiver Band 12 , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
7320.500000	42.21	74.00	31.79	H	3.6	38.61
8802.500000	42.89	74.00	31.11	V	5.5	37.39
9857.500000	43.90	74.00	30.10	V	6.4	37.5
12277.500000	45.33	74.00	28.67	H	8.3	37.03
13303.500000	45.18	74.00	28.82	H	8.4	36.78
16916.000000	49.50	74.00	24.50	V	14.8	34.70

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
7239.000000	28.19	54.00	25.81	H	3.5	24.69
8797.000000	29.42	54.00	24.58	V	5.5	23.92
9891.000000	30.58	54.00	23.42	H	6.4	24.18
12252.000000	31.96	54.00	22.04	V	8.3	23.66
13283.500000	31.94	54.00	22.06	H	8.3	23.64
16472.500000	36.37	54.00	17.63	H	14.7	21.67

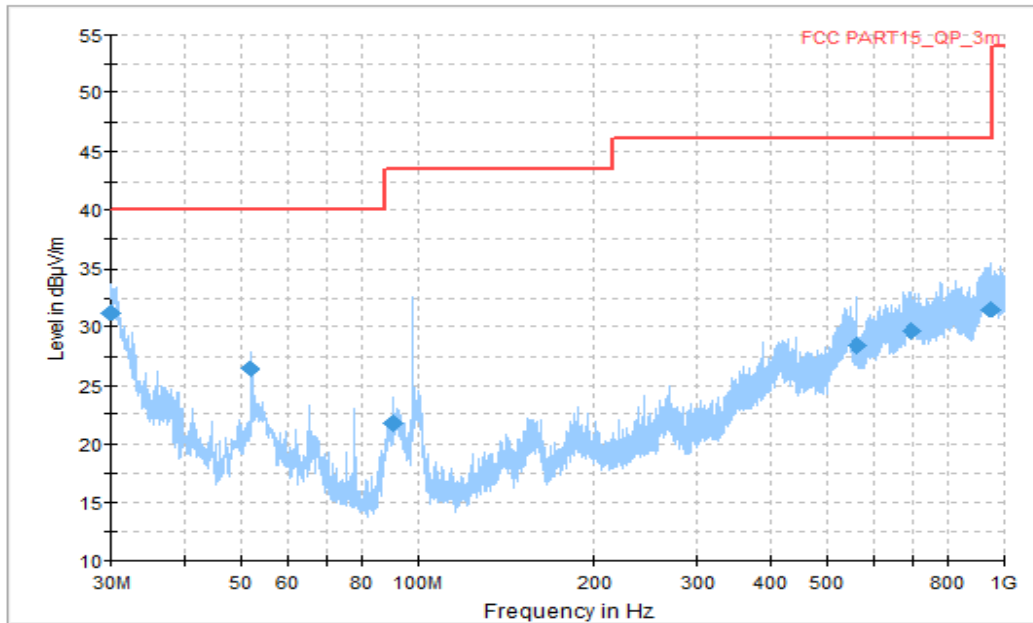


Figure A.1.17. Radiated Emission (FM receiver, 30MHz to 1GHz)

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)
30.000000	31.23	40.00	8.77	V	-6.2	37.43
51.986667	26.36	40.00	13.64	V	-15.5	41.86
91.008333	21.74	43.52	21.78	V	-15.0	36.74
562.530000	28.46	46.02	17.56	V	-1.8	30.26
697.174444	29.69	46.02	16.33	V	1.1	28.59
950.740556	31.53	46.02	14.49	V	2.7	28.83

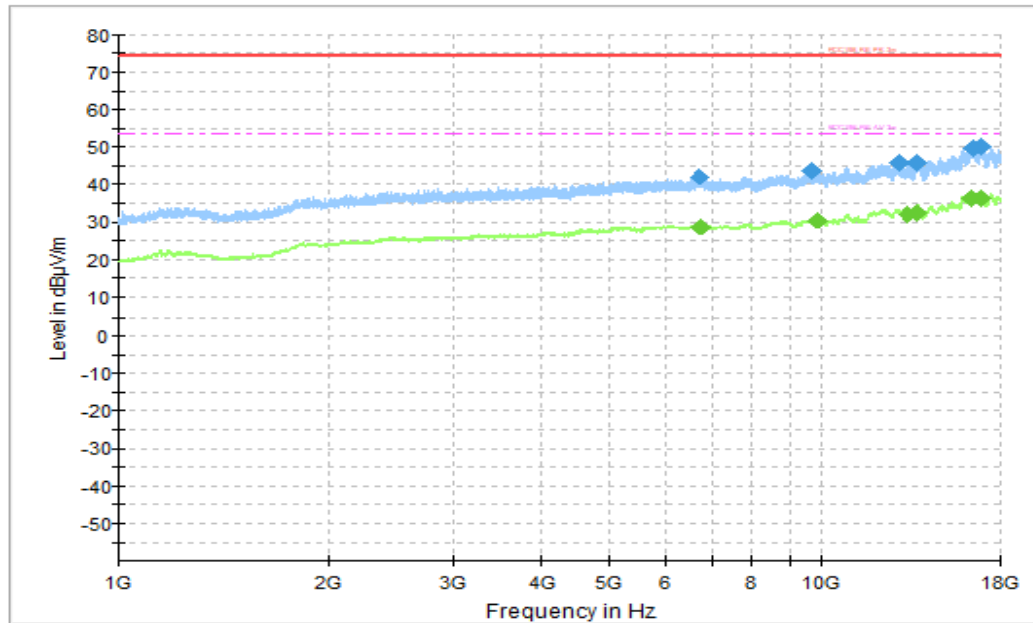


Figure A.1.18. Radiated Emission (FM receiver , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6720.500000	42.37	74.00	31.63	H	3.5	38.87
9733.500000	43.80	74.00	30.20	H	6.4	37.4
12898.500000	45.83	74.00	28.17	V	8.7	37.13
13742.500000	46.12	74.00	27.88	H	8.9	37.22
16477.000000	49.72	74.00	24.28	H	14.7	35.02
16932.500000	50.19	74.00	23.81	H	14.8	35.39

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6751.500000	28.98	54.00	25.02	V	3.5	25.48
9878.000000	30.58	54.00	23.42	H	6.4	24.18
13282.000000	32.02	54.00	21.98	H	8.3	23.72
13755.000000	32.64	54.00	21.36	V	8.9	23.74
16459.000000	36.32	54.00	17.68	V	14.7	21.62
16931.000000	36.39	54.00	17.61	V	14.8	21.59

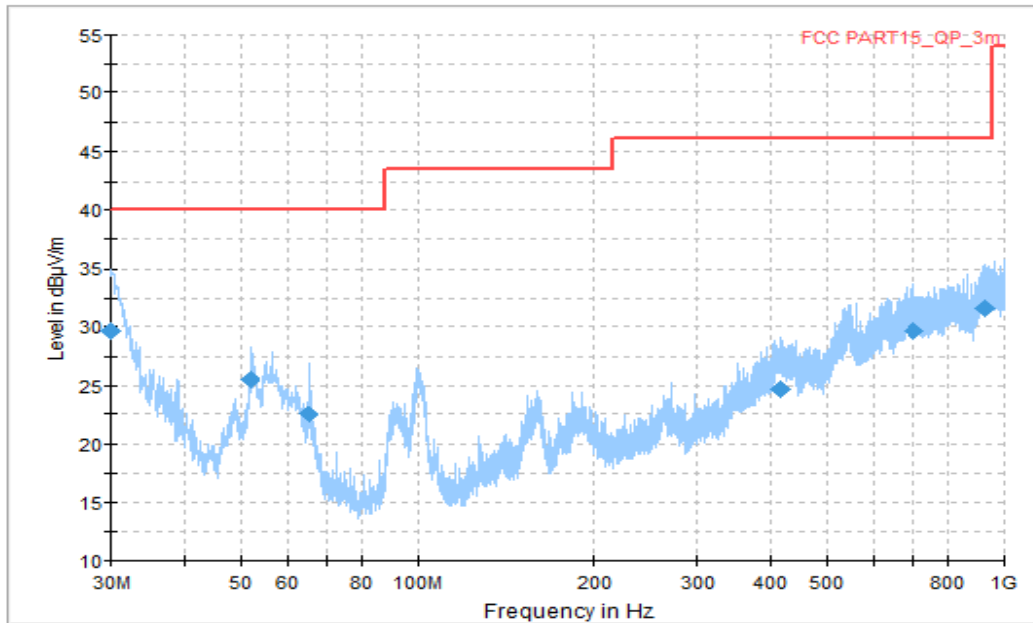


Figure A.1.19. Radiated Emission (Video Player , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	29.67	40.00	10.33	V	-6.2	35.87
51.986667	25.52	40.00	14.48	V	-15.5	41.02
65.003889	22.60	40.00	17.40	V	-15.1	37.70
415.196667	24.73	46.02	21.29	V	-3.6	28.33
702.178889	29.64	46.02	16.38	H	1.2	28.44
926.950556	31.64	46.02	14.38	V	2.6	29.04

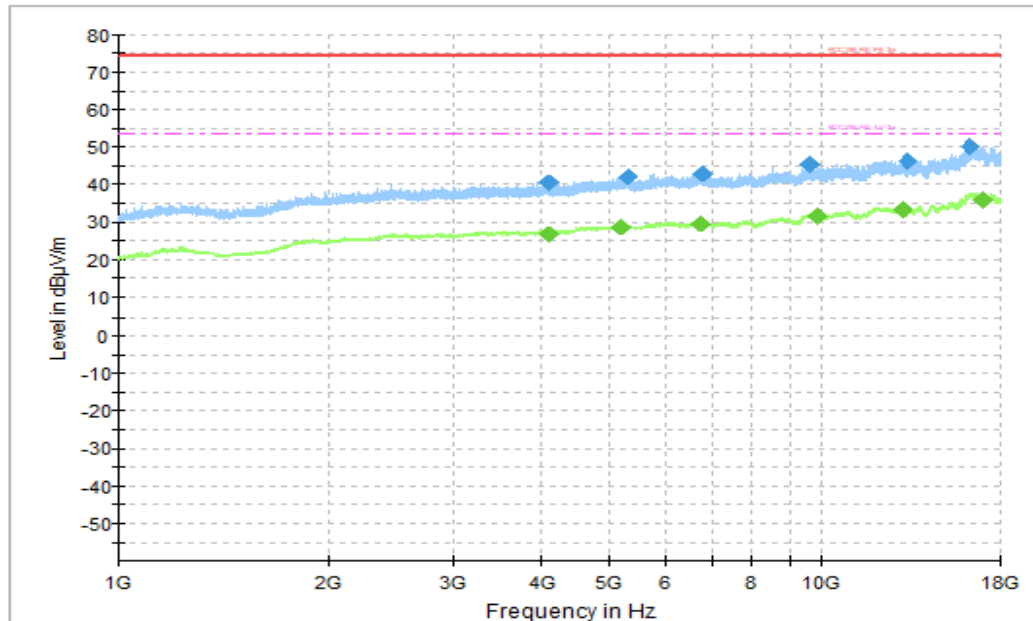


Figure A.1.20. Radiated Emission (Video Player , 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
4108.000000	40.65	74.00	33.35	V	-1.4	42.05
5315.500000	42.36	74.00	31.64	V	1.6	40.76
6777.500000	43.14	74.00	30.86	H	3.5	39.64
9654.500000	45.56	74.00	28.44	V	6.5	39.06
13299.000000	46.44	74.00	27.56	V	8.3	38.14
16348.000000	50.22	74.00	23.78	V	14.5	35.72

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
4093.500000	26.87	54.00	27.13	H	-1.5	28.37
5168.500000	28.71	54.00	25.29	H	1.2	27.51
6750.500000	29.75	54.00	24.25	V	3.5	26.25
9899.000000	32.00	54.00	22.00	H	6.4	25.60
13102.000000	33.61	54.00	20.39	V	8.3	25.31
17073.500000	36.09	54.00	17.91	H	14.7	21.39

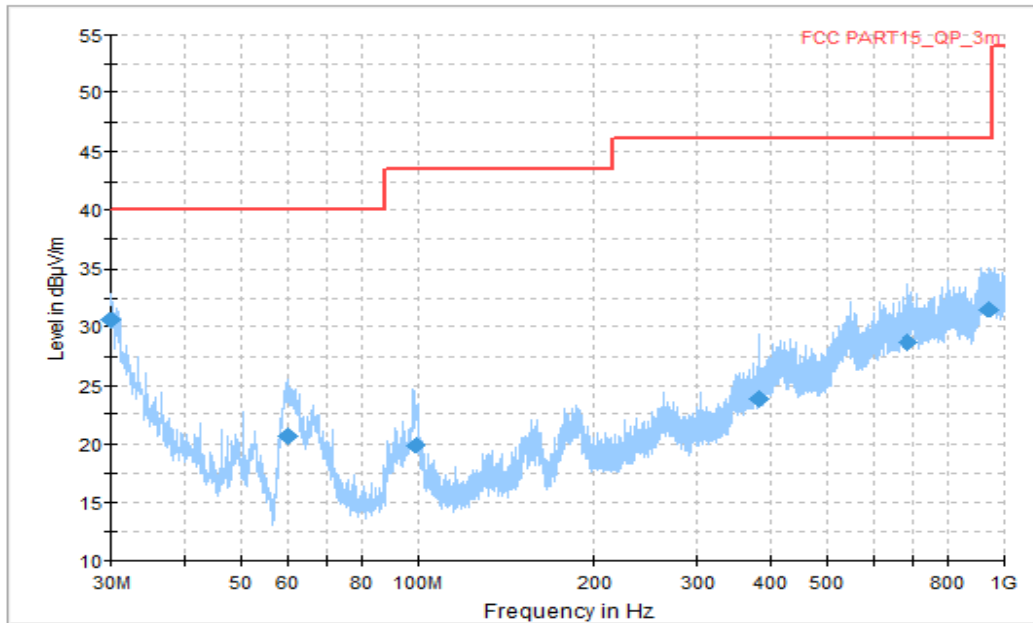


Figure A.1.21. Radiated Emission (Camera , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.060000	30.51	40.00	9.49	V	-6.3	36.81
60.010000	20.72	40.00	19.28	V	-15.6	36.32
98.888333	19.90	43.52	23.62	V	-14.1	34.00
383.996111	23.83	46.02	22.19	H	-4.8	28.63
684.756667	28.67	46.02	17.35	H	0.7	27.97
942.962222	31.52	46.02	14.50	V	3.0	28.52

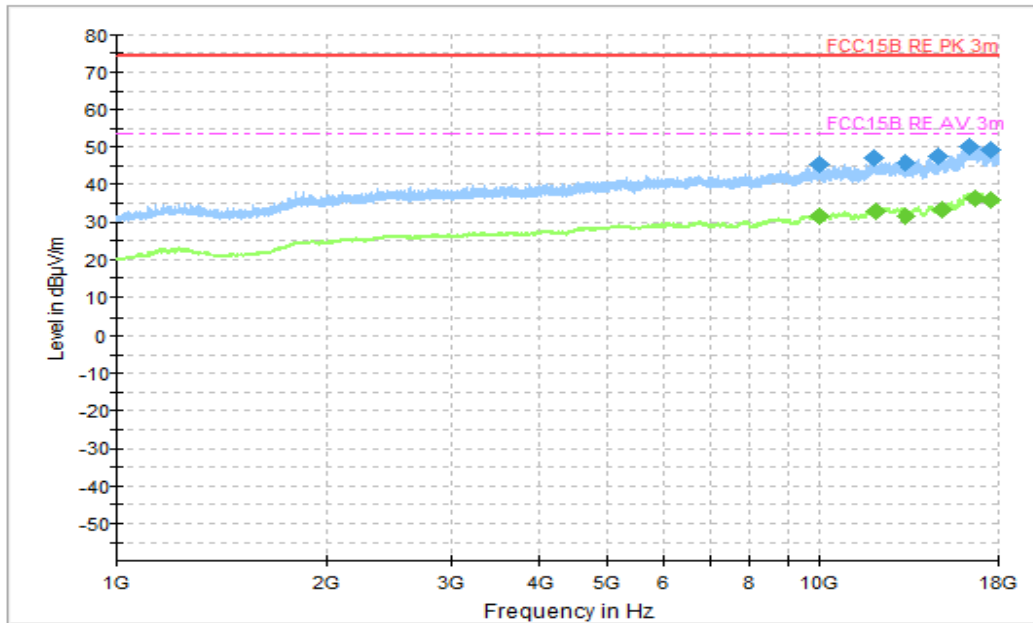


Figure A.1.22. Radiated Emission (Camera ,1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
10013.500000	45.70	74.00	28.30	V	6.3	39.40
12006.000000	47.26	74.00	26.74	H	8.2	39.06
13295.500000	46.03	74.00	27.97	H	8.3	37.73
14819.500000	47.76	74.00	26.24	V	10.5	37.26
16413.000000	50.21	74.00	23.79	V	14.6	35.61
17606.500000	49.25	74.00	24.75	V	14.0	35.25

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
10047.500000	31.81	54.00	22.19	V	6.2	25.61
12023.000000	33.23	54.00	20.77	V	8.2	25.03
13320.500000	31.78	54.00	22.22	H	8.4	23.38
14923.000000	33.54	54.00	20.46	H	10.6	22.94
16720.500000	36.52	54.00	17.48	V	14.8	21.72
17595.500000	35.90	54.00	18.10	V	14.0	21.90

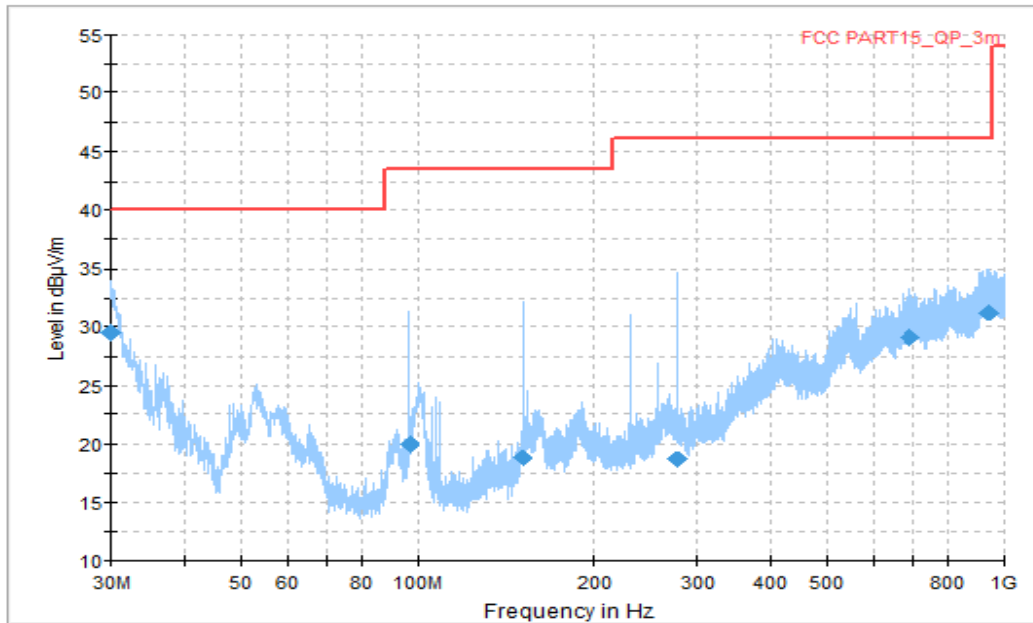
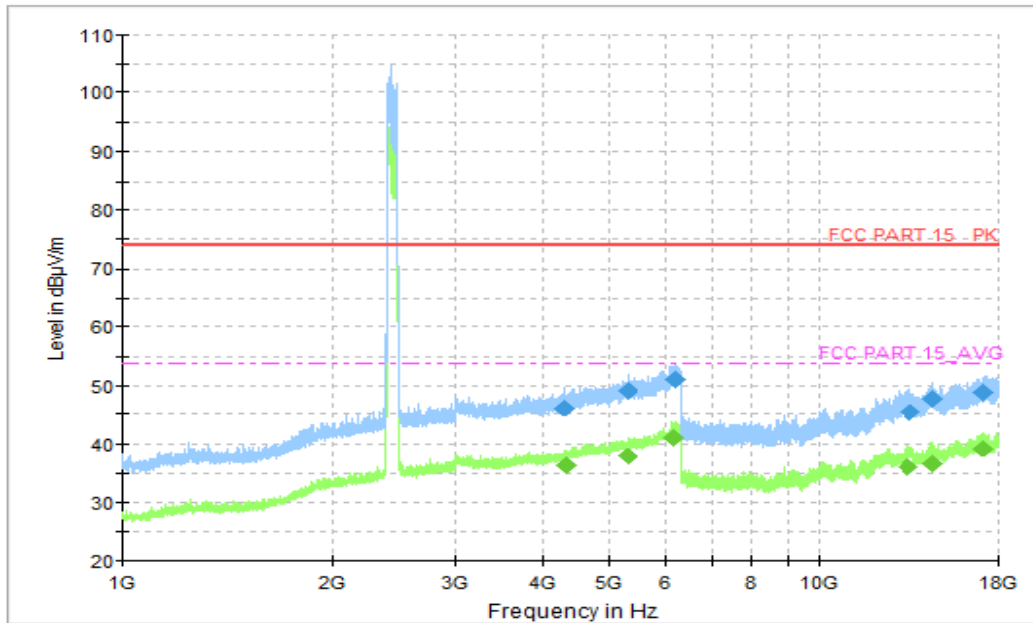


Figure A.1.23. Radiated Emission (Wi-Fi , 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.090000	29.45	40.00	10.55	V	-6.3	35.75
97.068889	20.06	43.52	23.46	V	-14.4	34.46
150.650000	18.82	43.52	24.70	V	-12.6	31.42
277.163889	18.73	46.02	27.29	V	-9.1	27.83
690.545000	29.04	46.02	16.98	V	1.0	28.04
946.123333	31.23	46.02	14.79	V	2.8	28.43



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

Figure A.1.24. Radiated Emission (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)
4302.500000	46.14	74.00	27.86	V	12.2	33.94
5301.500000	49.06	74.00	24.94	H	14.9	34.16
6196.000000	50.89	74.00	23.11	V	18.9	31.99
13448.250000	45.46	74.00	28.54	H	12.6	32.86
14506.125000	47.71	74.00	26.29	H	13.0	34.71
17143.812500	48.83	74.00	25.17	H	17.1	31.73

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
4327.000000	36.26	54.00	17.74	H	12.4	23.86
5311.000000	37.93	54.00	16.07	H	14.9	23.03
6164.000000	40.99	54.00	13.01	H	18.7	22.29
13384.812500	36.01	54.00	17.99	H	12.6	23.41
14482.500000	36.69	54.00	17.31	V	13.0	23.69
17177.062500	39.34	54.00	14.66	H	17.0	22.34

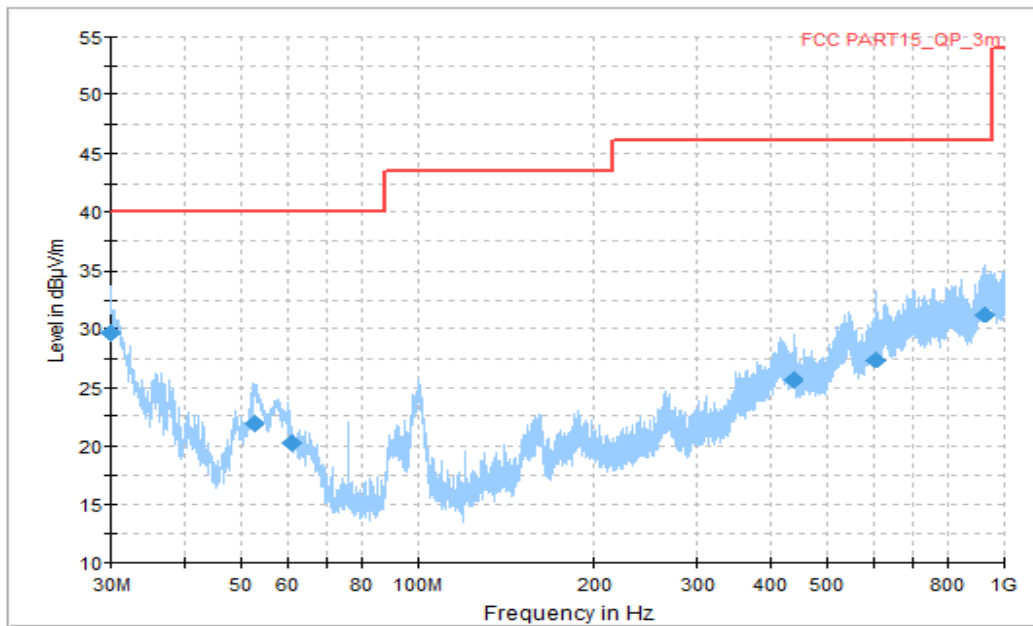


Figure A.1.25. Radiated Emission (Bluetooth, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	29.67	40.00	10.33	V	-6.2	35.87
52.598333	21.87	40.00	18.13	V	-15.6	37.47
60.962778	20.25	40.00	19.75	V	-15.5	35.75
437.501667	25.65	46.02	20.37	H	-4.3	29.95
607.017222	27.42	46.02	18.60	V	-0.5	27.92
926.005556	31.17	46.02	14.85	H	2.6	28.57

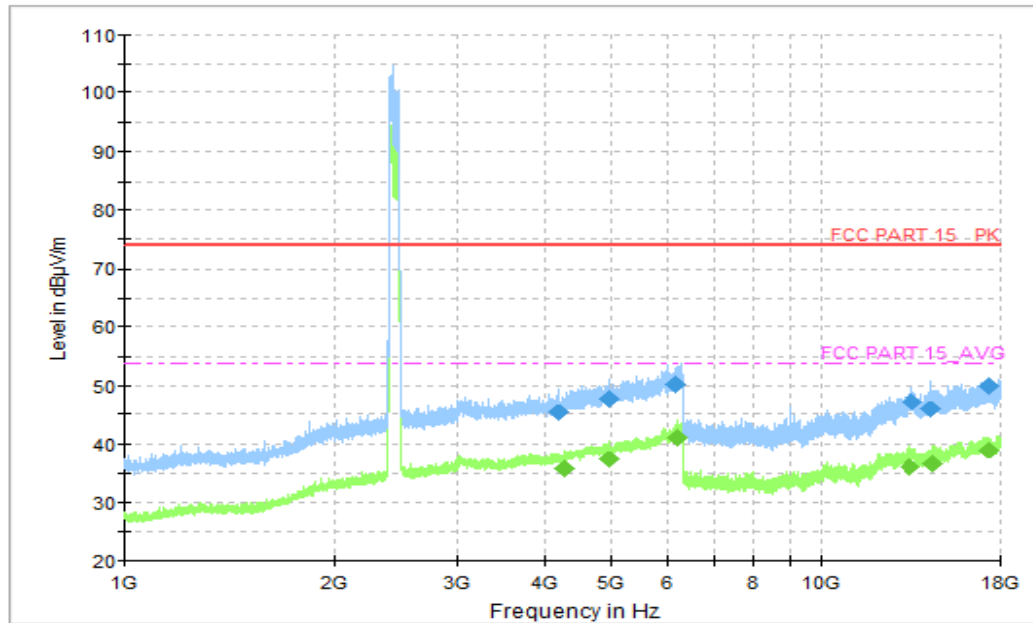


Figure A.1.26. Radiated Emission (Bluetooth, 1GHz to 18GHz)

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)
4192.000000	45.38	74.00	28.62	H	11.8	33.58
4959.000000	47.75	74.00	26.25	H	13.7	34.05
6152.500000	50.19	74.00	23.81	V	18.5	31.69
13428.125000	47.27	74.00	26.73	V	12.6	34.67
14351.687500	45.97	74.00	28.03	V	12.9	33.07
17316.187500	49.82	74.00	24.18	H	16.9	32.92

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
4262.500000	35.89	54.00	18.11	H	12.0	23.89
4966.500000	37.44	54.00	16.56	H	13.7	23.74
6200.500000	41.02	54.00	12.98	H	18.8	22.22
13376.500000	35.95	54.00	18.05	H	12.6	23.35
14426.937500	36.43	54.00	17.57	H	13.0	23.43
17289.062500	38.90	54.00	15.10	H	16.9	22.00

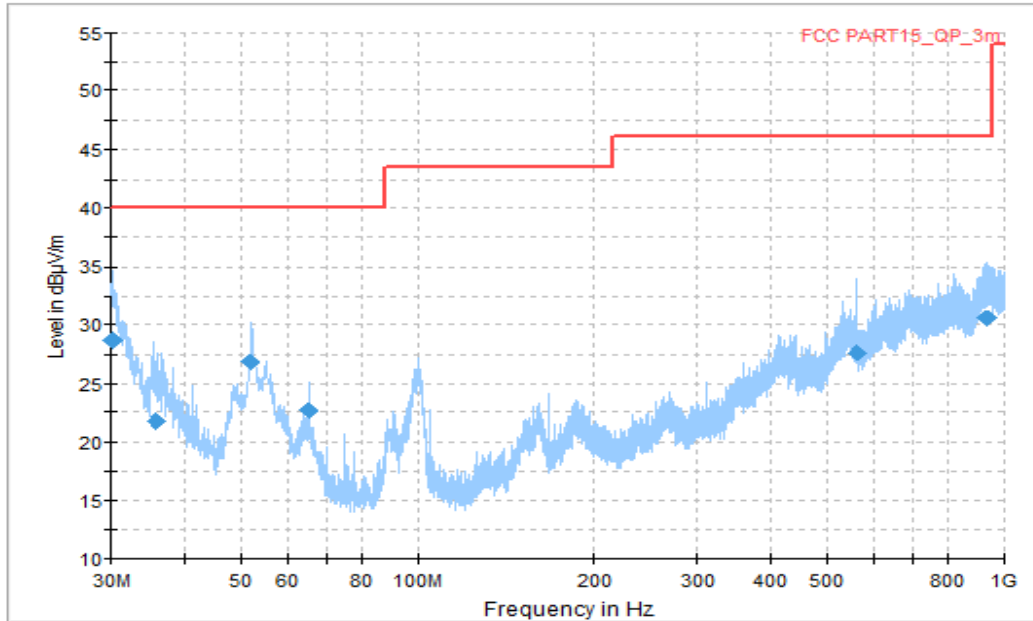


Figure A.1.27. Radiated Emission (Set.5,GPS, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.210000	28.73	40.00	11.27	V	-6.3	35.03
35.832778	21.72	40.00	18.28	V	-9.5	31.22
51.986667	26.79	40.00	13.21	V	-15.5	42.29
65.003889	22.69	40.00	17.31	V	-15.1	37.79
562.560000	27.61	46.02	18.41	V	-1.8	29.41
937.188333	30.59	46.02	15.43	V	2.7	27.89

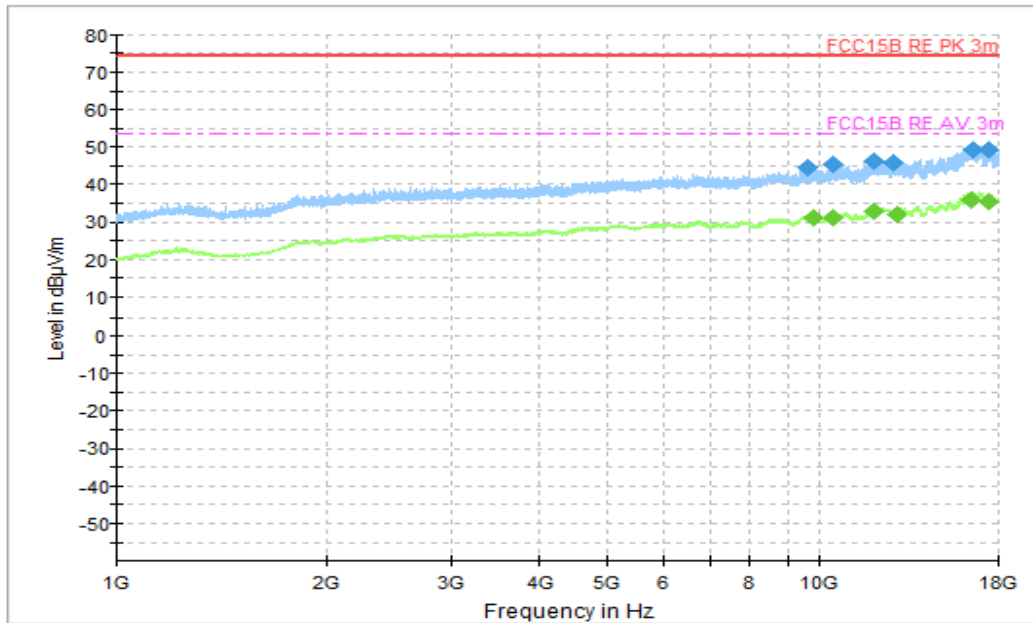


Figure A.1.28. Radiated Emission (GPS, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9688.000000	44.56	74.00	29.44	V	6.5	38.06
10453.500000	45.58	74.00	28.42	V	6.7	38.88
11982.500000	46.39	74.00	27.61	V	8.2	38.19
12762.000000	46.14	74.00	27.86	H	8.8	37.34
16613.000000	49.45	74.00	24.55	H	14.8	34.65
17450.000000	49.15	74.00	24.85	V	14.1	35.05

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9859.000000	31.44	54.00	22.56	H	6.4	25.04
10448.000000	31.50	54.00	22.50	H	6.7	24.8
12021.500000	33.01	54.00	20.99	H	8.2	24.81
12882.500000	32.39	54.00	21.61	H	8.7	23.69
16550.000000	36.15	54.00	17.85	V	14.8	21.35
17435.500000	35.38	54.00	18.62	V	14.1	21.28

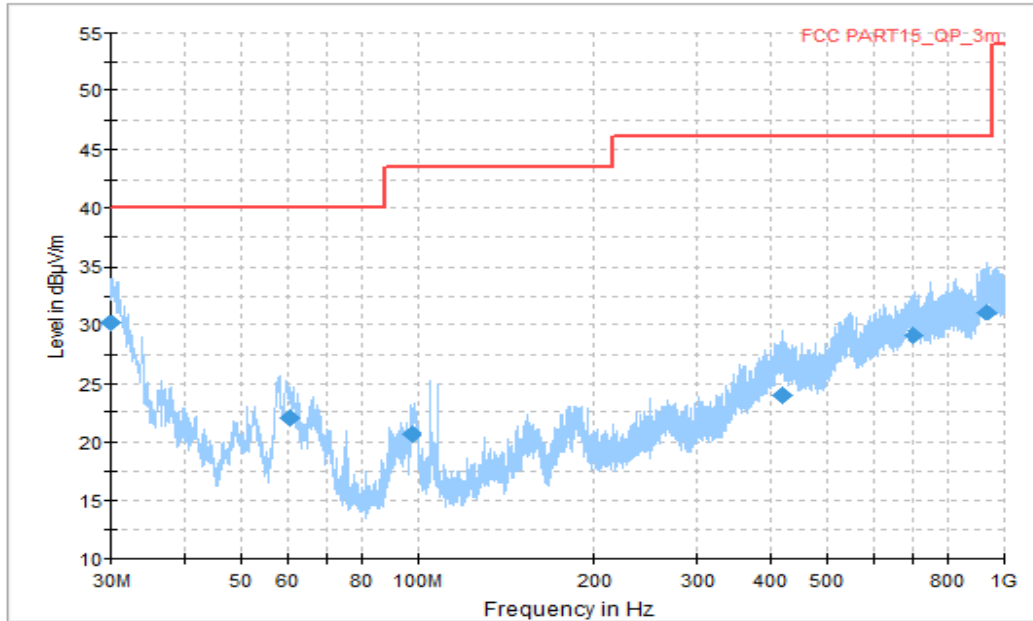
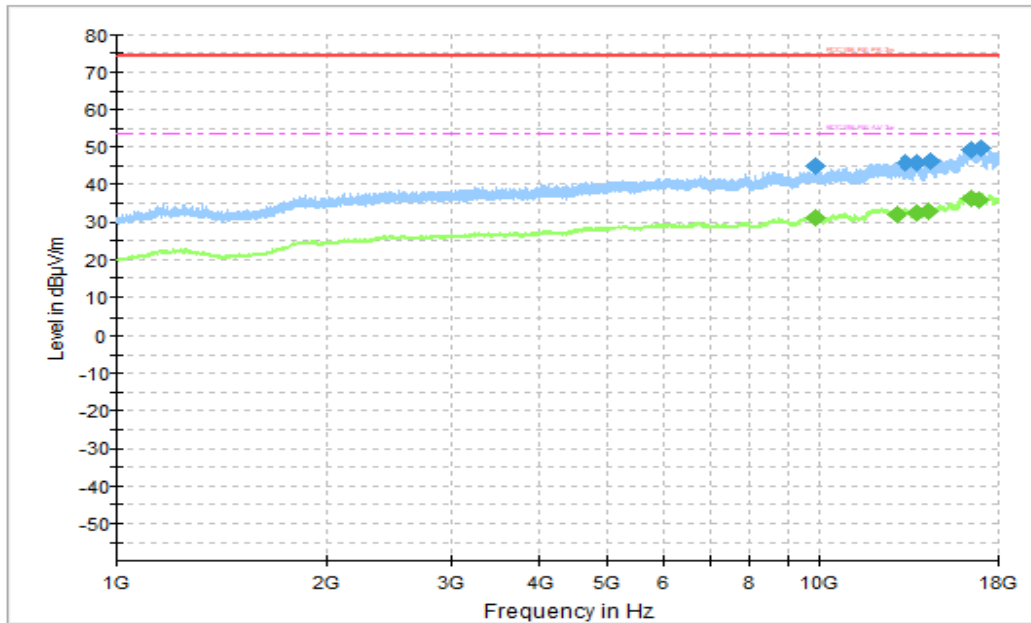


Figure A.1.29. Radiated Emission (GLONASS, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	30.16	40.00	9.84	V	-6.2	36.36
60.655556	22.02	40.00	17.98	V	-15.6	37.62
98.007222	20.66	43.52	22.86	V	-14.2	34.86
419.533333	24.02	46.02	22.00	V	-3.7	27.72
701.641111	29.06	46.02	16.96	V	1.2	27.86
932.452778	31.14	46.02	14.88	V	2.7	28.44


Figure A.1.30. Radiated Emission (GLONASS, 1GHz to 18GHz)
Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9893.000000	45.06	74.00	28.94	H	6.4	38.66
13295.500000	45.82	74.00	28.18	V	8.3	37.52
13814.000000	45.94	74.00	28.06	V	9.0	36.94
14398.000000	46.40	74.00	27.60	V	10.1	36.30
16495.500000	49.44	74.00	24.56	V	14.7	34.74
16995.500000	49.50	74.00	24.50	V	14.8	34.70

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
9872.500000	31.53	54.00	22.47	H	6.4	25.13
12891.000000	32.28	54.00	21.72	H	8.7	23.58
13847.500000	32.66	54.00	21.34	H	9.0	23.66
14371.500000	33.05	54.00	20.95	V	10.0	23.05
16472.500000	36.34	54.00	17.66	H	14.7	21.64
16925.500000	36.14	54.00	17.86	V	14.8	21.34

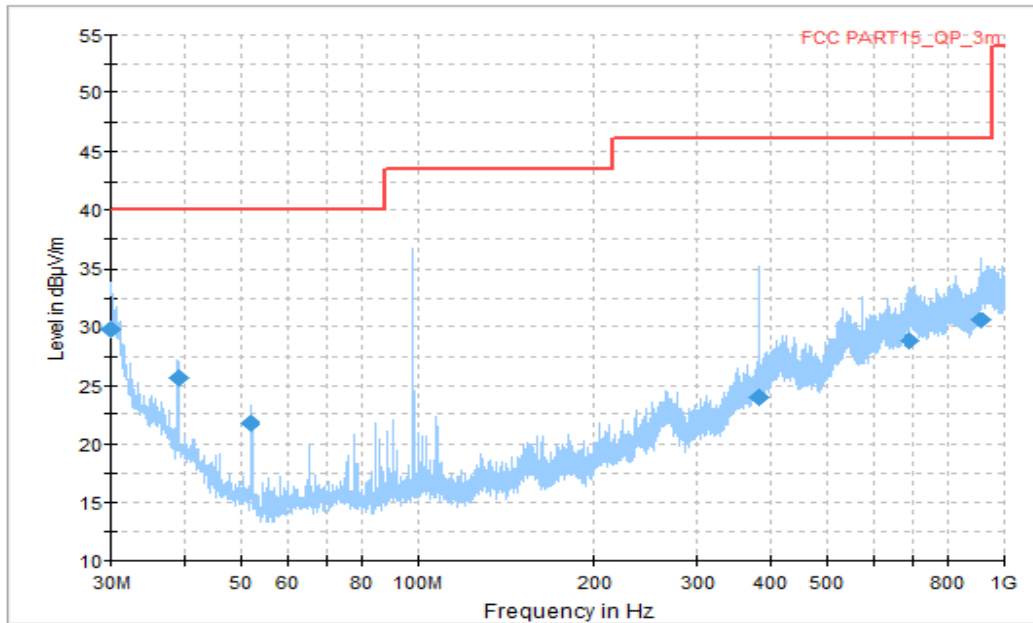


Figure A.1.31. Radiated Emission (FM receiver, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.090000	29.74	40.00	10.26	V	-6.3	36.04
39.005556	25.59	40.00	14.41	V	-11.4	36.99
51.986667	21.75	40.00	18.25	V	-15.5	37.25
384.296111	23.97	46.02	22.05	V	-4.8	28.77
689.928333	28.80	46.02	17.22	H	1.0	27.8
916.518889	30.63	46.02	15.39	V	2.0	28.63

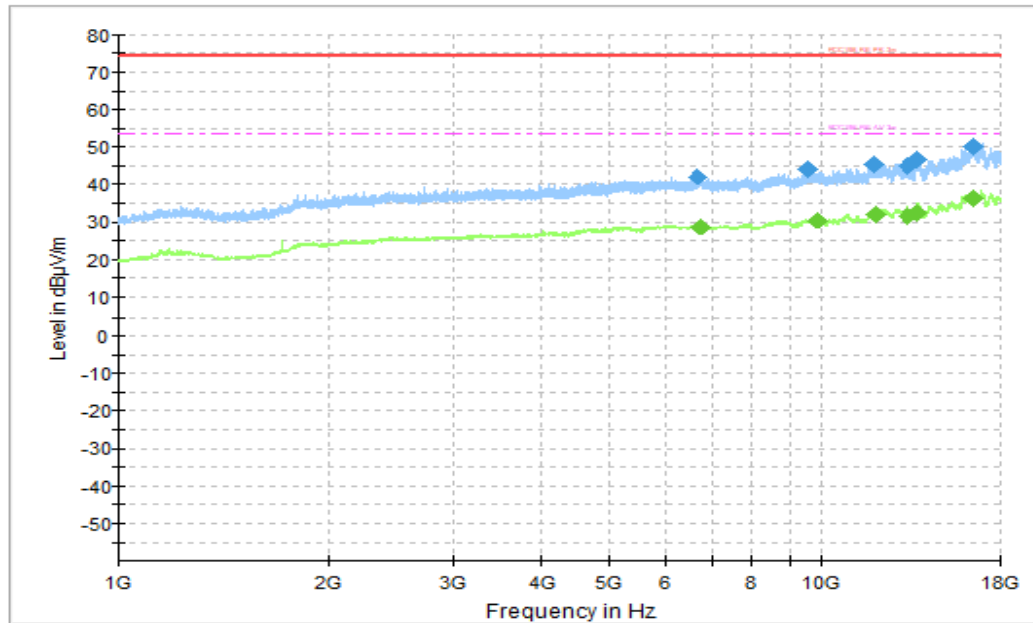


Figure A.1.32. Radiated Emission (FM receiver, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6665.000000	42.19	74.00	31.81	H	3.4	38.79
9579.000000	44.40	74.00	29.60	H	6.6	37.8
11876.000000	45.41	74.00	28.59	V	8.2	37.21
13338.500000	45.09	74.00	28.91	V	8.4	36.69
13765.000000	46.68	74.00	27.32	H	9.0	37.68
16519.500000	49.96	74.00	24.04	H	14.7	35.26

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6755.000000	29.04	54.00	24.96	H	3.5	25.54
9907.500000	30.45	54.00	23.55	H	6.4	24.05
11952.500000	32.04	54.00	21.96	H	8.2	23.84
13277.000000	31.96	54.00	22.04	H	8.3	23.66
13763.500000	32.75	54.00	21.25	V	9.0	23.75
16474.000000	36.48	54.00	17.52	H	14.7	21.78

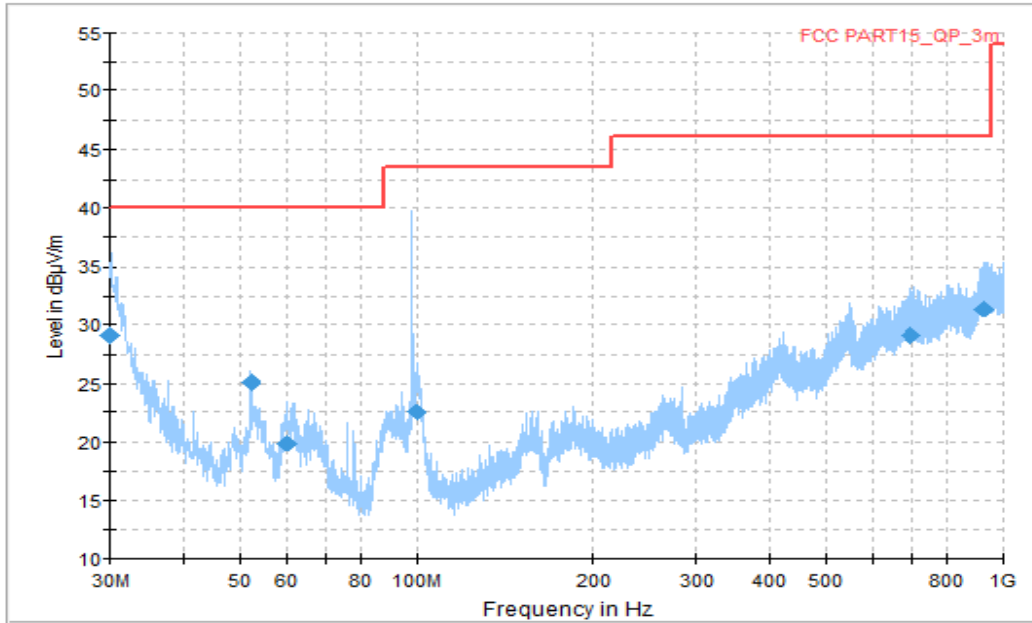


Figure A.1.33. Radiated Emission (FM receiver, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.030000	29.12	40.00	10.88	V	-6.3	35.42
52.016667	25.11	40.00	14.89	V	-15.5	40.61
60.190000	19.94	40.00	20.06	V	-15.6	35.54
100.115556	22.58	43.52	20.94	V	-13.8	36.38
698.085000	29.11	46.02	16.91	H	1.1	28.01
930.698889	31.30	46.02	14.72	H	2.7	28.60

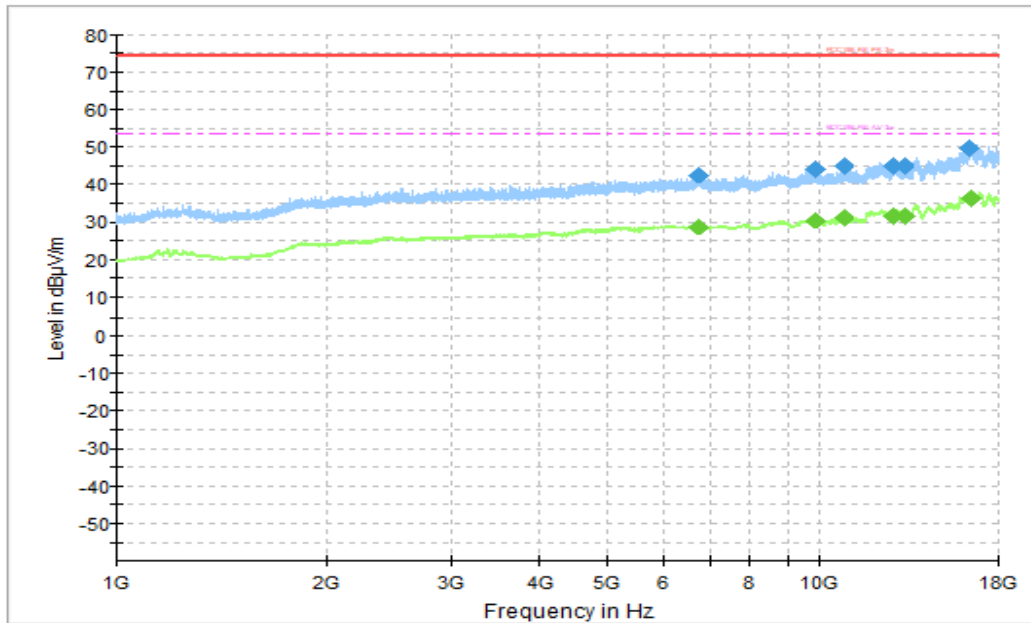


Figure A.1.34. Radiated Emission (FM receiver, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6759.500000	42.41	74.00	31.59	H	3.5	38.91
9922.500000	44.20	74.00	29.80	H	6.3	37.9
10873.000000	44.96	74.00	29.04	H	7.1	37.86
12768.000000	45.14	74.00	28.86	V	8.8	36.34
13235.500000	44.94	74.00	29.06	V	8.1	36.84
16455.500000	49.78	74.00	24.22	V	14.7	35.08

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6775.500000	29.02	54.00	24.98	V	3.5	25.52
9890.000000	30.54	54.00	23.46	H	6.4	24.14
10855.500000	31.22	54.00	22.78	H	7.1	24.12
12771.500000	31.98	54.00	22.02	V	8.8	23.18
13277.000000	31.92	54.00	22.08	H	8.3	23.62
16473.000000	36.52	54.00	17.48	H	14.7	21.82

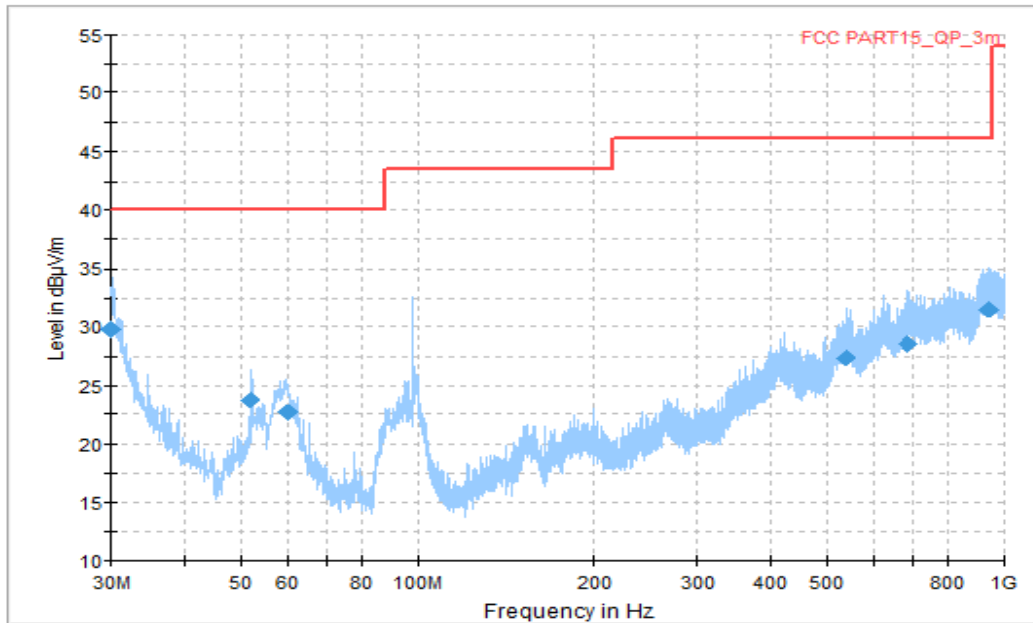


Figure A.1.35. Radiated Emission (FM receiver, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.000000	29.76	40.00	10.24	V	-6.2	35.96
51.986667	23.71	40.00	16.29	V	-15.5	39.21
59.955000	22.67	40.00	17.33	V	-15.6	38.27
537.220556	27.30	46.02	18.72	H	-0.5	27.80
685.349444	28.62	46.02	17.40	H	0.7	27.92
943.738889	31.54	46.02	14.48	H	3.0	28.54

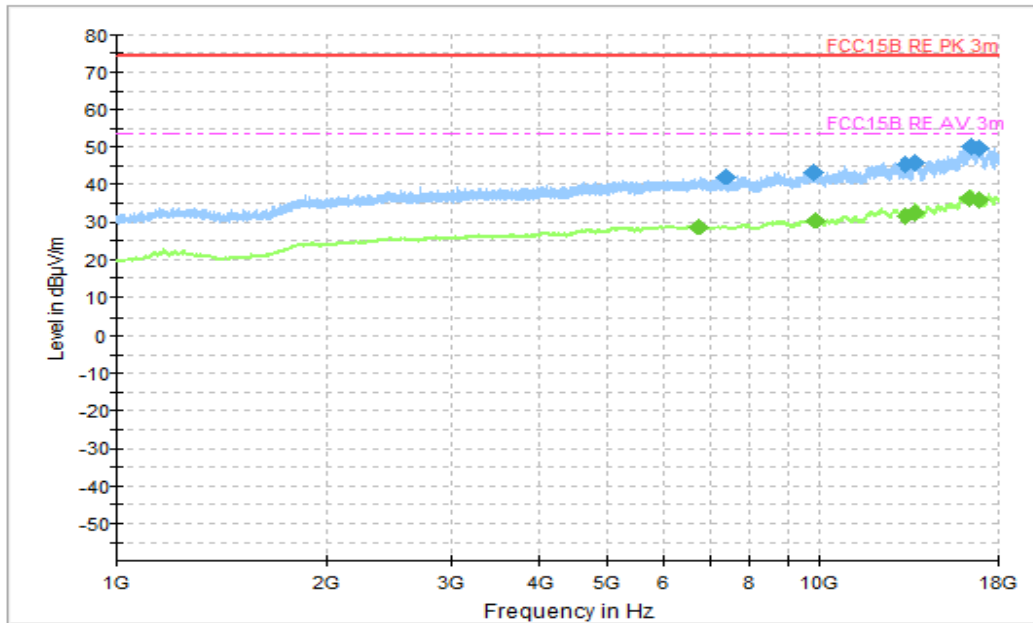


Figure A.1.36. Radiated Emission (FM receiver, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
7355.000000	42.27	74.00	31.73	H	3.6	38.24
9812.500000	43.62	74.00	30.38	V	6.4	38.29
13275.500000	45.58	74.00	28.42	V	8.2	38.44
13756.500000	46.00	74.00	28.00	V	9.0	38.16
16543.500000	50.00	74.00	24.00	H	14.8	37.07
16913.500000	49.66	74.00	24.34	V	14.8	34.94

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
6752.000000	29.01	54.00	24.99	V	3.5	25.34
9895.500000	30.53	54.00	23.47	H	6.4	25.27
13285.500000	31.95	54.00	22.05	V	8.3	25.38
13752.000000	32.67	54.00	21.33	V	8.9	25.52
16457.500000	36.39	54.00	17.61	V	14.7	23.84
16948.500000	36.03	54.00	17.97	V	14.8	22.88

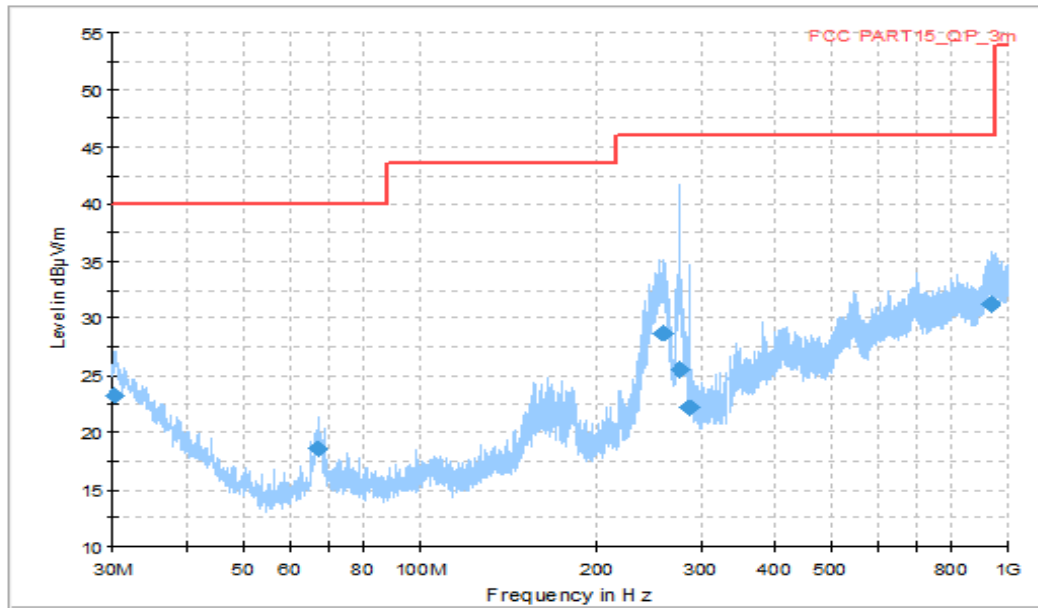


Figure A.1.37. Radiated Emission (UT01aa/Set.5, Data Transfer : EUT to PC, 30MHz to 1GHz)

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.180000	23.16	40.00	16.84	V	-6.3	29.46
66.860000	18.51	40.00	21.49	H	-9.0	27.51
258.320000	28.68	46.02	17.34	H	-8.5	37.18
275.894444	25.51	46.02	20.51	H	-9.0	34.51
288.133889	22.13	46.02	23.89	H	-9.2	31.33
936.436111	31.26	46.62	14.76	H	2.8	28.46

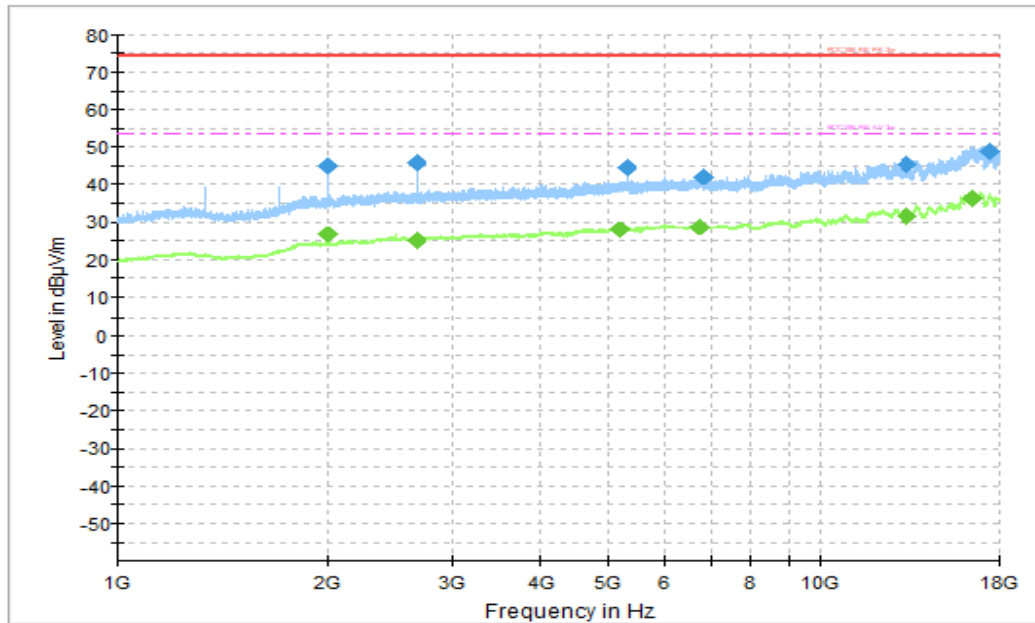


Figure A.1.38. Radiated Emission (Set.8, Data Transfer : EUT to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1999.000000	44.99	74.00	29.01	V	-5.9	50.89
2657.000000	45.96	74.00	28.04	V	-4.1	50.06
5310.000000	44.85	74.00	29.15	V	1.6	43.25
6824.000000	42.38	74.00	31.62	H	3.6	38.78
13284.500000	45.64	74.00	28.36	H	8.3	37.34
17423.000000	49.00	74.00	25.00	V	14.1	34.90

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1994.500000	26.71	54.00	27.29	V	-5.9	32.61
2657.000000	25.12	54.00	28.88	V	-4.1	29.22
5178.500000	28.23	54.00	25.77	H	1.2	27.03
6751.500000	29.06	54.00	24.94	H	3.5	25.56
13284.500000	31.85	54.00	22.15	H	8.3	23.55
16475.500000	36.39	54.00	17.61	H	14.7	21.69

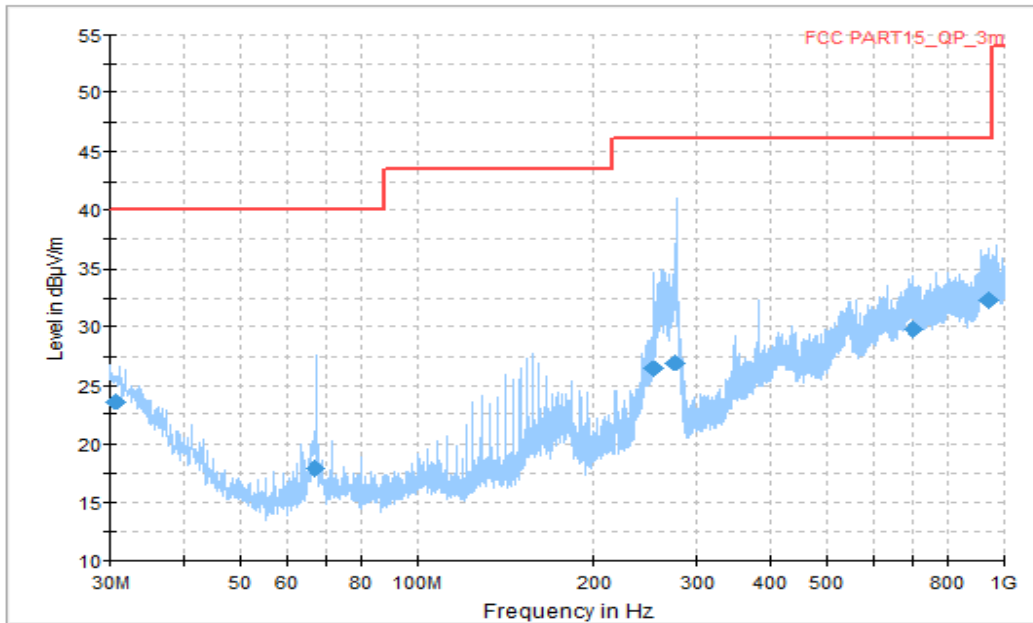


Figure A.1.39. Radiated Emission (Set.8, Data Transfer : PC to EUT, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.783889	23.67	40.00	16.33	H	-6.5	30.17
67.080556	17.82	40.00	22.18	V	-14.9	32.72
254.028889	26.47	46.02	19.55	H	-9.1	35.57
275.618333	26.90	46.02	19.12	H	-8.9	35.80
702.783889	29.76	46.02	16.26	H	1.1	28.66
944.026667	32.33	46.02	13.69	V	3.1	28.66

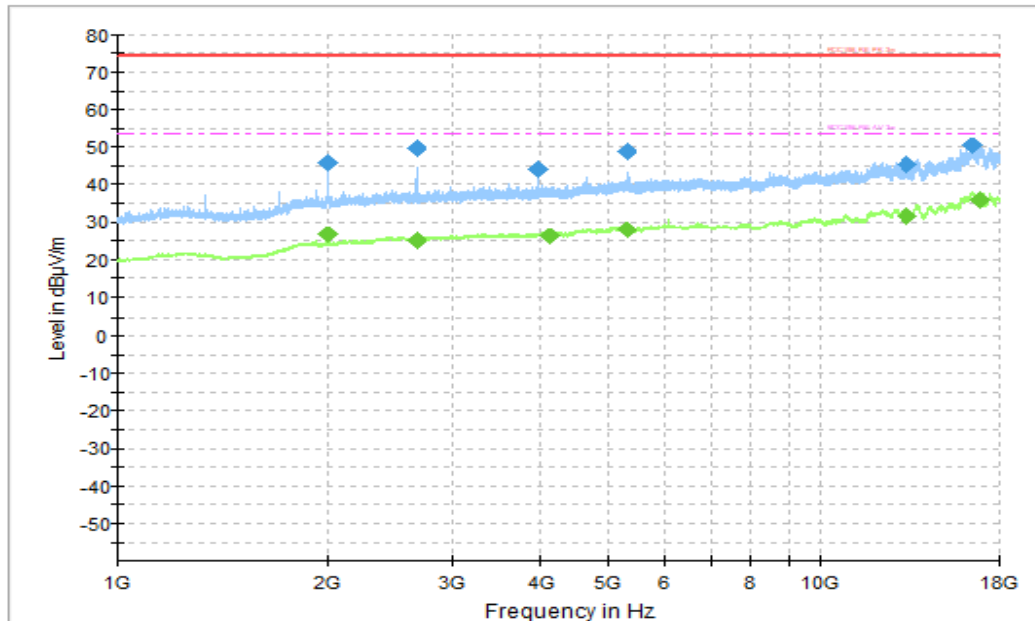


Figure A.1.40. Radiated Emission (Set.8, Data Transfer : PC to EUT, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1990.500000	46.04	74.00	27.96	V	-5.9	51.94
2666.000000	49.55	74.00	24.45	V	-4.1	53.65
3984.500000	44.33	74.00	29.67	V	-1.8	46.13
5316.000000	48.68	74.00	25.32	V	1.6	47.08
13294.000000	45.65	74.00	28.35	H	8.3	37.35
16476.000000	50.34	74.00	23.66	V	14.7	35.64

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1997.000000	26.95	54.00	27.05	V	-5.9	32.85
2664.500000	25.24	54.00	28.76	V	-4.1	29.34
4114.500000	26.40	54.00	27.60	V	-1.4	27.80
5316.000000	27.98	54.00	26.02	V	1.6	26.38
13280.500000	31.88	54.00	22.12	V	8.3	23.58
16940.500000	36.01	54.00	17.99	H	14.8	21.21

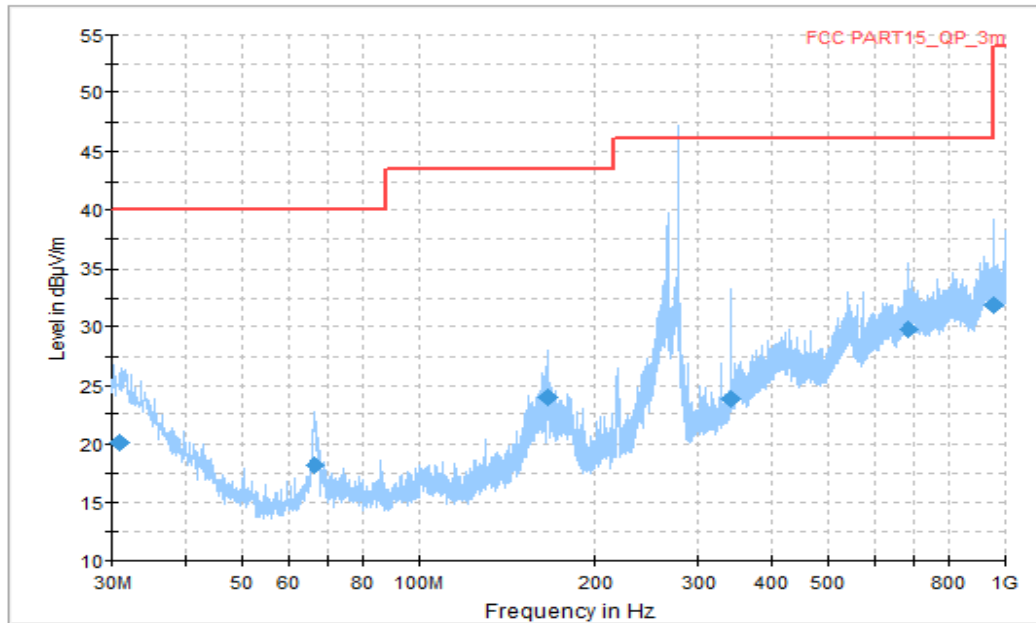


Figure A.1.41. Radiated Emission (Set.8, Data Transfer : PC to TF Card, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.957778	20.14	40.00	19.86	H	-6.5	26.64
66.746667	18.21	40.00	21.79	V	-14.8	33.01
166.069444	24.02	43.52	19.50	V	-13.3	37.32
340.568889	23.90	46.02	22.12	H	-6.8	30.70
684.019444	29.72	46.02	16.30	H	0.7	29.02
956.020556	31.88	46.02	14.14	H	2.5	29.38

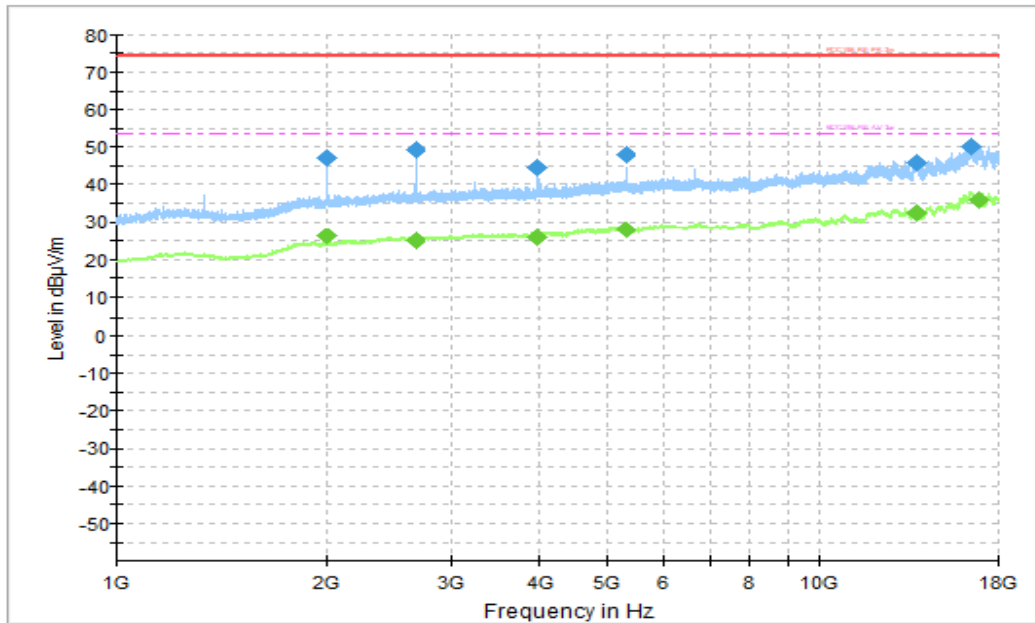


Figure A.1.42. Radiated Emission (Set.8, Data Transfer : PC to TF Card, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1999.000000	47.37	74.00	26.63	V	-5.9	53.27
2659.500000	49.37	74.00	24.63	V	-4.1	53.47
3987.500000	44.69	74.00	29.31	V	-1.8	46.49
5319.000000	47.88	74.00	26.12	V	1.6	46.28
13781.500000	45.81	74.00	28.19	H	9.0	36.81
16554.500000	49.94	74.00	24.06	V	14.8	35.14

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1999.000000	26.54	54.00	27.46	V	-5.9	32.44
2659.500000	25.26	54.00	28.74	V	-4.1	29.36
3988.500000	26.18	54.00	27.82	V	-1.8	27.98
5328.000000	27.96	54.00	26.04	V	1.6	26.36
13770.000000	32.54	54.00	21.46	H	9.0	23.54
16939.000000	36.09	54.00	17.91	V	14.8	21.29

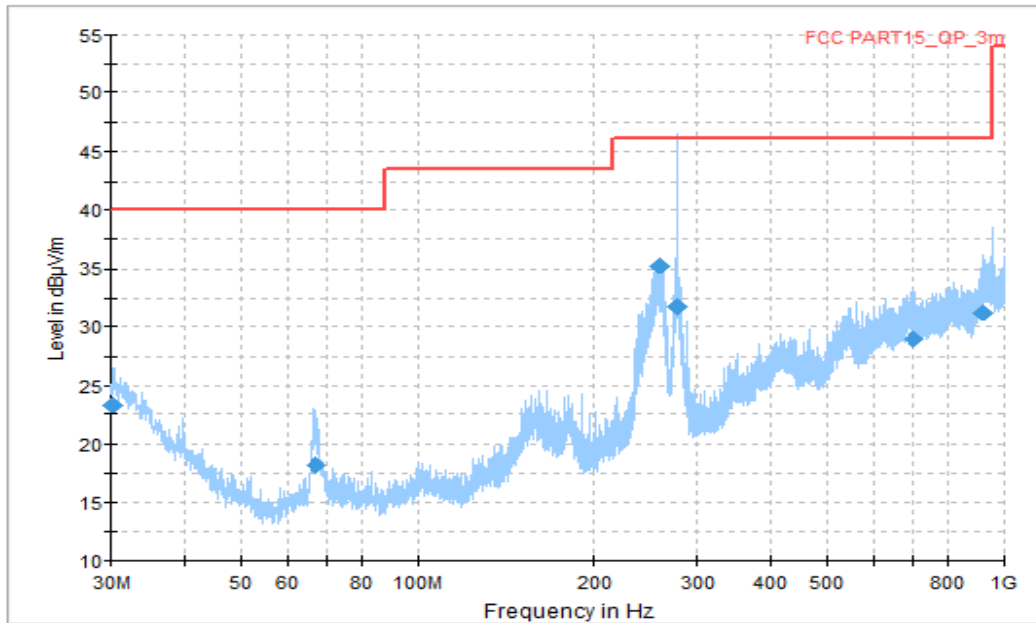


Figure A.1.43. Radiated Emission (Set.8, Data Transfer : TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.120000	23.35	40.00	16.65	V	-6.3	29.65
66.985556	18.11	40.00	21.89	V	-14.9	33.01
259.897222	35.22	46.02	10.80	H	-8.2	43.42
276.008889	31.81	46.02	14.21	H	-9.0	40.81
700.694444	28.93	46.02	17.09	H	1.1	27.83
924.226667	31.17	46.02	14.85	H	2.6	28.57

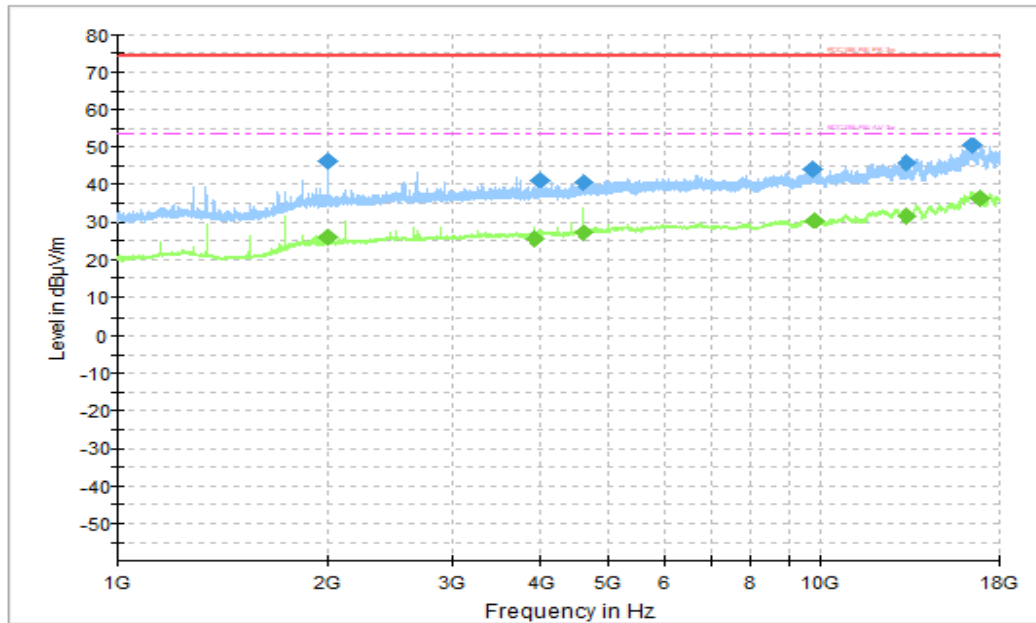


Figure A.1.44. Radiated Emission (Set.8, Data Transfer : TF Card to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1999.000000	46.16	74.00	27.84	V	-5.9	52.06
3991.500000	41.39	74.00	32.61	H	-1.8	43.19
4607.000000	40.71	74.00	33.29	V	-0.2	40.91
9750.500000	44.17	74.00	29.83	V	6.5	37.67
13303.500000	45.74	74.00	28.26	H	8.4	37.34
16489.000000	50.53	74.00	23.47	V	14.7	35.83

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1991.000000	26.12	54.00	27.88	V	-5.9	32.02
3939.500000	25.60	54.00	28.40	V	-1.9	27.5
4608.000000	27.12	54.00	26.88	V	-0.2	27.32
9855.500000	30.50	54.00	23.50	H	6.4	24.10
13271.000000	31.83	54.00	22.17	H	8.2	23.63
16925.500000	36.25	54.00	17.75	H	14.8	21.45

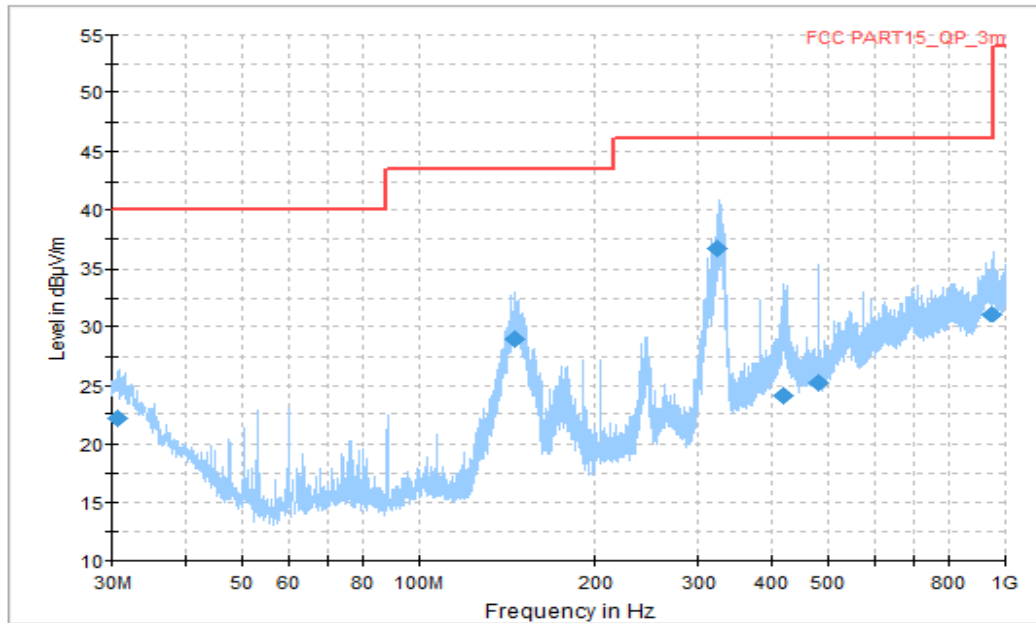


Figure A.1.45. Radiated Emission (Data Transfer : TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
30.712222	22.13	40.00	17.87	V	-6.5	28.63
145.530556	28.97	43.52	14.55	H	-13.4	42.37
324.382778	36.70	46.02	9.32	H	-8.1	44.80
418.815556	24.14	46.02	21.88	H	-3.7	27.84
480.032222	25.22	46.02	20.80	H	-3.6	28.82
952.152222	31.13	46.02	14.89	H	2.6	28.53

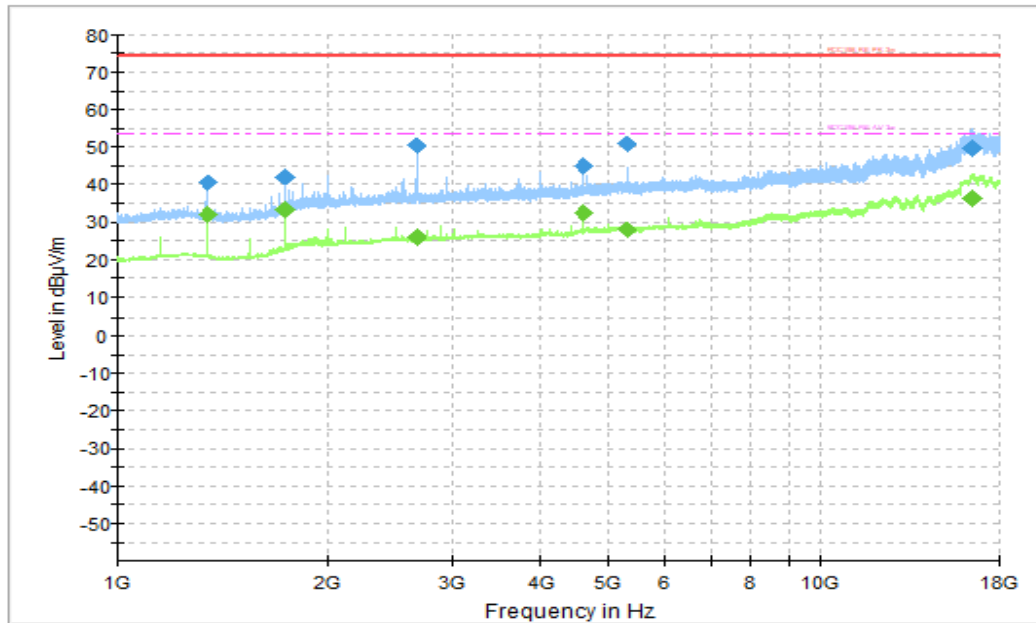


Figure A.1.46. Radiated Emission (Data Transfer : TF Card to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1344.000000	40.56	74.00	33.44	H	-9.6	50.16
1728.000000	42.14	74.00	31.86	H	-8.1	50.24
2660.000000	50.33	74.00	23.67	V	-4.1	54.43
4608.000000	45.04	74.00	28.96	H	-0.2	45.24
5322.000000	50.79	74.00	23.21	V	1.6	49.19
16530.000000	49.70	74.00	24.30	H	14.8	34.90

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1344.000000	32.31	54.00	21.69	H	-9.6	41.91
1728.000000	33.49	54.00	20.51	H	-8.1	41.59
2658.500000	25.80	54.00	28.20	V	-4.1	29.90
4607.500000	32.47	54.00	21.53	H	-0.2	32.67
5320.000000	28.26	54.00	25.74	V	1.6	26.66
16552.500000	36.39	54.00	17.61	H	14.8	21.59

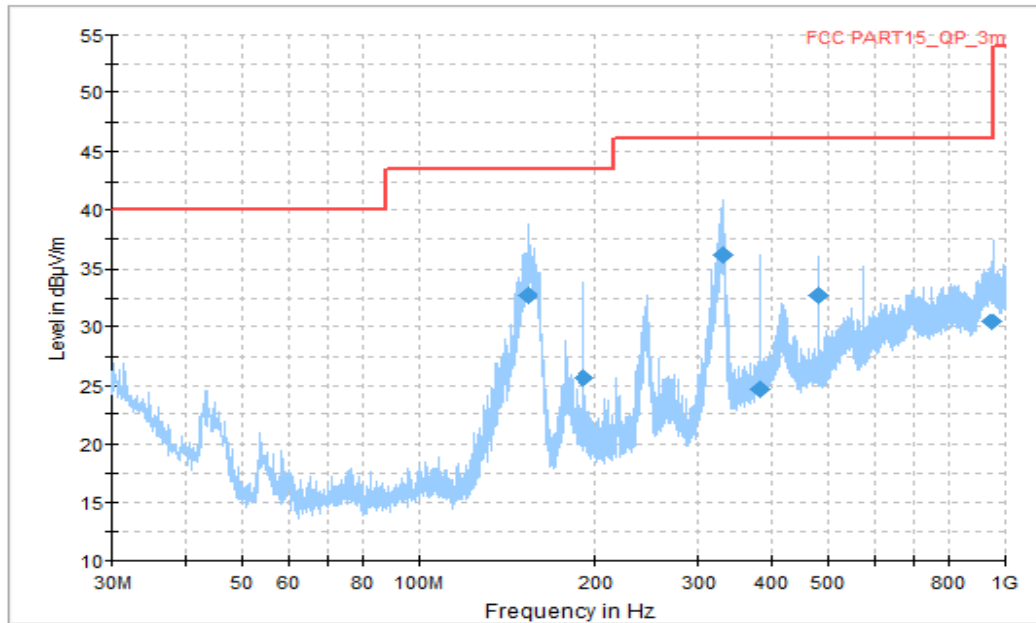


Figure A.1.47. Radiated Emission (Data Transfer : TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
153.746667	32.69	43.52	10.83	H	-12.1	44.79
192.026111	25.59	43.52	17.93	H	-12.6	38.19
330.190000	36.23	46.02	9.79	H	-7.9	44.13
384.026111	24.68	46.02	21.34	H	-4.8	29.48
480.002222	32.75	46.02	13.27	V	-3.6	36.35
947.015556	30.45	46.02	15.57	H	2.8	27.65

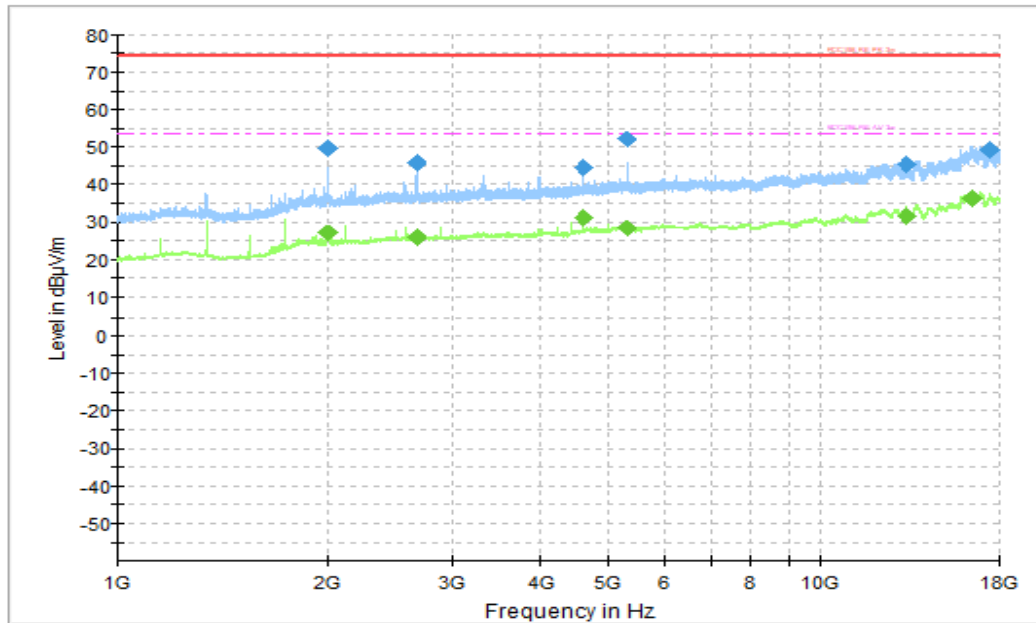


Figure A.1.48. Radiated Emission (Data Transfer : TF Card to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1999.500000	49.60	74.00	24.40	V	-5.9	55.50
2659.000000	46.08	74.00	27.92	V	-4.1	50.18
4608.000000	44.63	74.00	29.37	H	-0.2	44.83
5308.500000	52.14	74.00	21.86	V	1.6	50.54
13300.000000	45.36	74.00	28.64	H	8.3	37.06
17441.000000	49.14	74.00	24.86	H	14.1	35.04

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1997.500000	27.10	54.00	26.90	V	-5.9	33.00
2660.500000	26.15	54.00	27.85	V	-4.1	30.25
4607.500000	31.21	54.00	22.79	H	-0.2	31.41
5319.000000	28.48	54.00	25.52	V	1.6	26.88
13279.000000	31.90	54.00	22.10	H	8.3	23.6
16477.500000	36.47	54.00	17.53	H	14.7	21.77

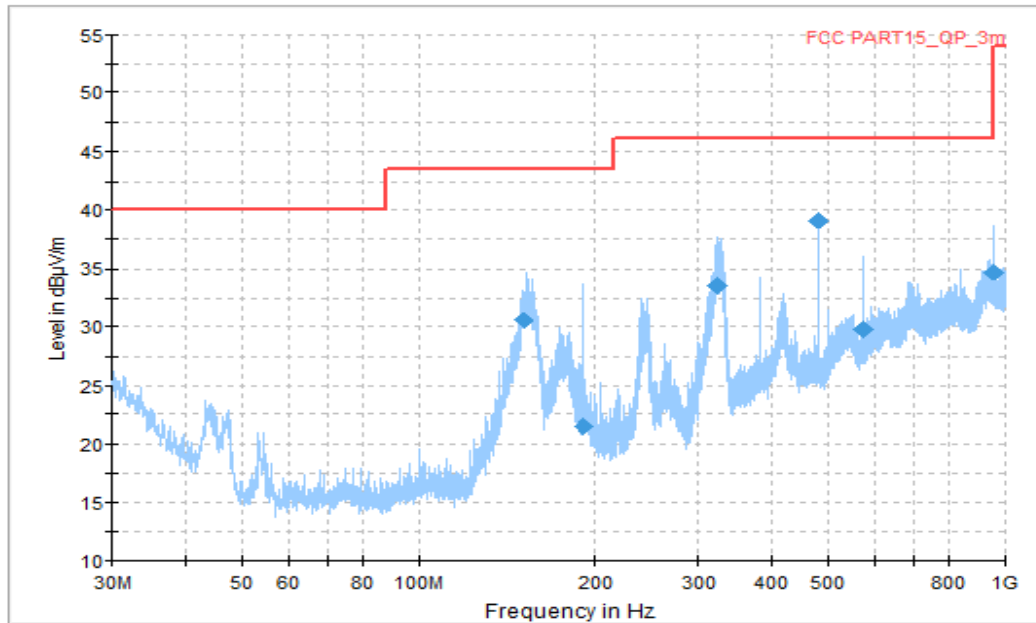


Figure A.1.49. Radiated Emission (Data Transfer : TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBµV)
151.470556	30.55	43.52	12.97	H	-12.4	42.95
191.990000	21.55	43.52	21.97	H	-12.6	34.15
323.640556	33.53	46.02	12.49	H	-8.1	41.63
480.002222	39.07	46.02	6.95	H	-3.6	42.67
576.002222	29.82	46.02	16.20	H	-1.8	31.62
959.990556	34.72	46.02	11.30	V	2.5	32.22

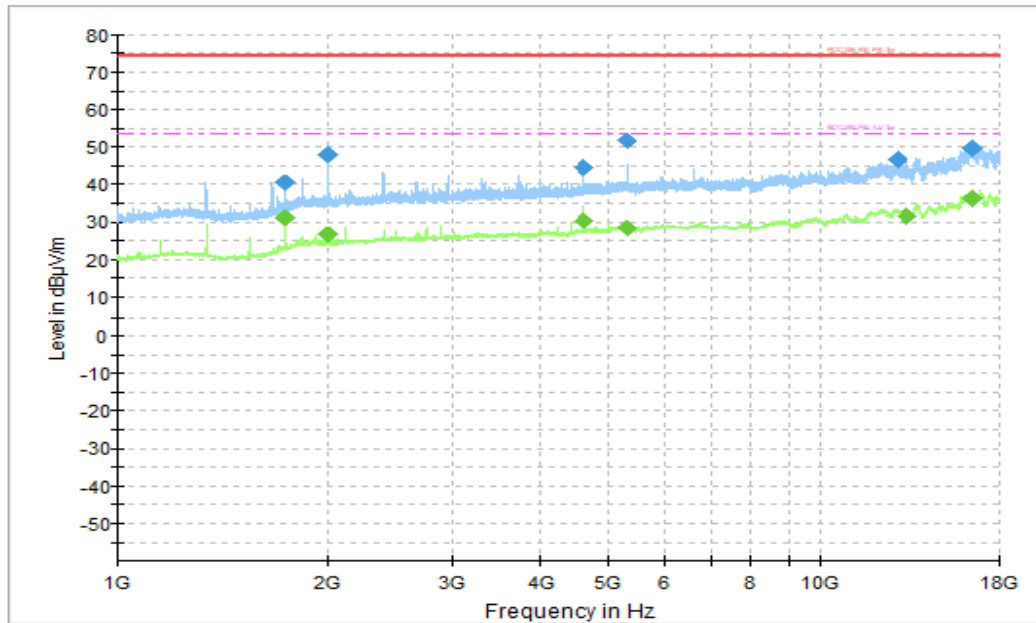


Figure A.1.50. Radiated Emission (Data Transfer : TF Card to PC, 1GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1727.500000	40.35	74.00	33.65	H	-8.1	48.45
1998.500000	47.92	74.00	26.08	V	-5.9	53.82
4608.500000	44.66	74.00	29.34	H	-0.2	44.86
5319.000000	51.88	74.00	22.12	V	1.6	50.28
12889.500000	46.60	74.00	27.40	V	8.7	37.9
16495.500000	49.50	74.00	24.50	H	14.7	34.80

Final_Results_AVG

Frequency(MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBµV)
1728.000000	31.40	54.00	22.60	H	-8.1	39.50
1999.500000	26.81	54.00	27.19	V	-5.9	32.71
4608.000000	30.68	54.00	23.32	H	-0.2	30.88
5314.500000	28.42	54.00	25.58	V	1.6	26.82
13284.500000	31.88	54.00	22.12	V	8.3	23.58
16476.500000	36.41	54.00	17.59	H	14.7	21.71



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.

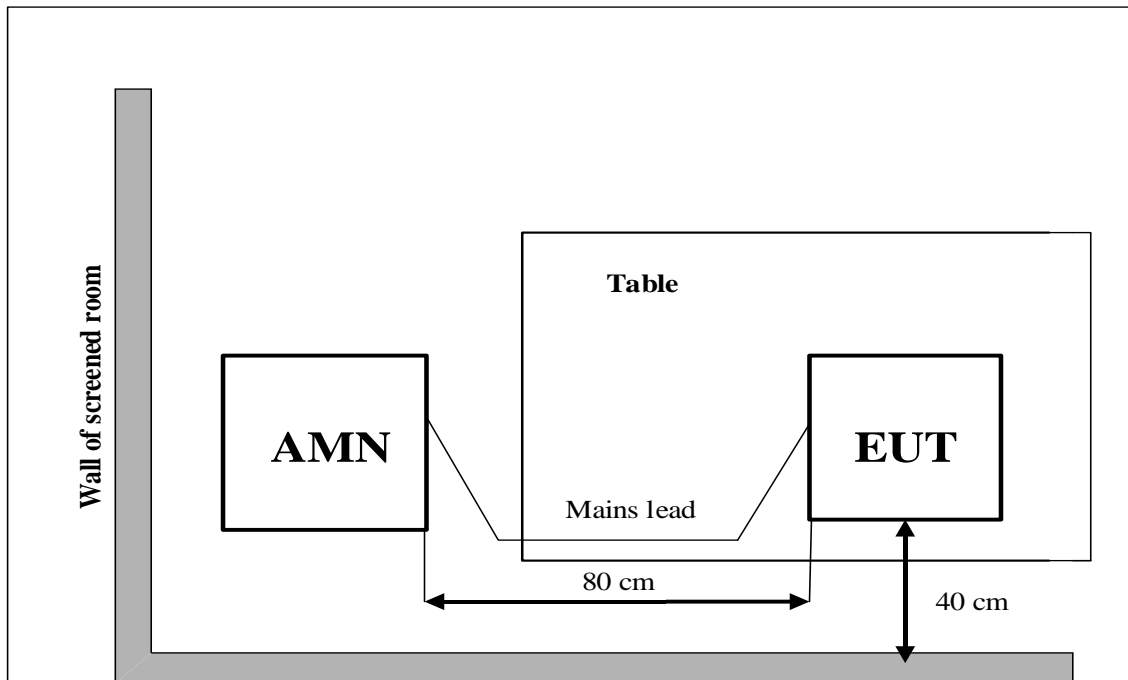
Meanwhile, the EUT is synchronized to System Simulator (SS), and able to respond to paging messages and incoming call. An established call has been released.

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

A.2.4 Test set-up:



A.2.5 Test Condition in charging mode

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

RBW	Sweep Time(s)
9kHz	1

A.2.6 Measurement Results

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

Where

Corr: PathLoss + Voltage Division Factor

PMea: Measurement result on receiver.

Camera

AC Input Port/ Voltage: 120V/60Hz

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

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

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.2	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.2	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.3	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.4	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Video Player

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.4	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.5	P
0.5 to 5	56	46		
5 to 30	60	50		

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

FM receiver

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.6	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Wi-Fi

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.7	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.

Bluetooth

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.8	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.

GPS

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.9	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.

GLONASS

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.10	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.5	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.11	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.6	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.12	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.

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

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

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.8	
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.

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.15	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.

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.16	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.

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.2	
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.

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.3	
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.

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.4	
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.

FM receiver

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
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.

Wi-Fi

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.21	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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.22	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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.23	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 (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.24	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.5	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.25	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.6	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.26	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.7	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.27	P
0.5 to 5	56	46		
5 to 30	60	50		

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

Data Transfer



AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dB μ V)	Average Limit (dB μ V)	Result (dB μ V)	Conclusion
			UT03aa/Set.8	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.28	P
0.5 to 5	56	46		
5 to 30	60	50		

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

AC Input Port/ Voltage: 120V/60Hz

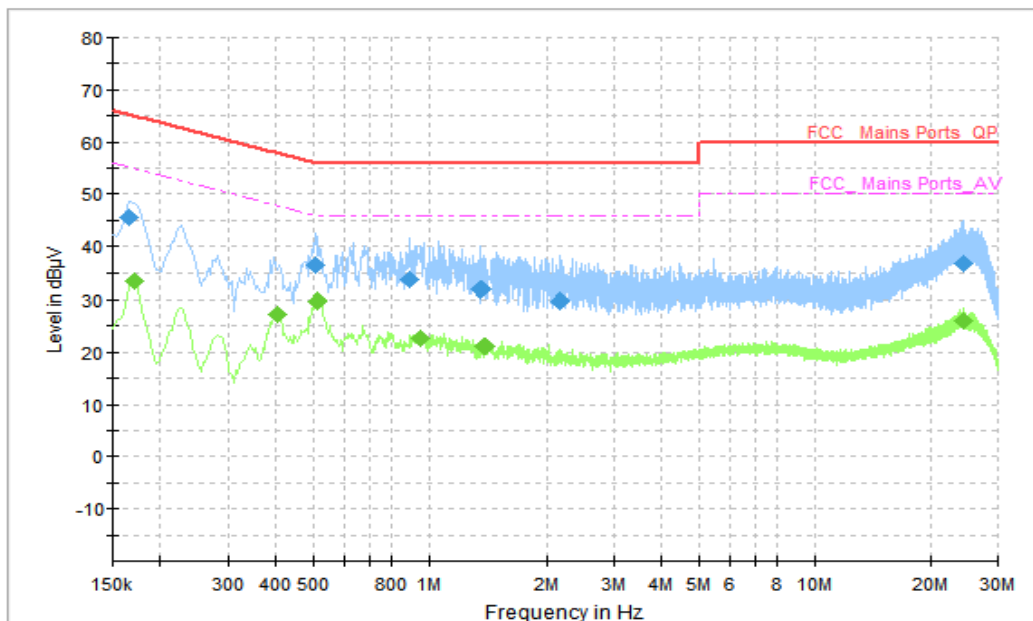


Figure A.2.1 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.166000	45.40	65.16	19.76	N	10	35.40
0.506000	36.52	56.00	19.48	N	10	26.52
0.890000	33.79	56.00	22.21	N	10	23.79
1.358000	31.75	56.00	24.25	N	10	21.75
2.170000	29.56	56.00	26.44	N	10	19.56
24.298000	36.84	60.00	23.16	N	10	26.84

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	33.24	54.96	21.72	N	10	23.24
0.402000	27.15	47.81	20.66	L1	10	17.15
0.514000	29.83	46.00	16.17	L1	10	19.83
0.946000	22.80	46.00	23.20	N	10	12.80
1.390000	21.17	46.00	24.83	N	10	11.17
24.410000	26.11	50.00	23.89	N	10	16.11

AC Input Port/ Voltage: 120V/60Hz

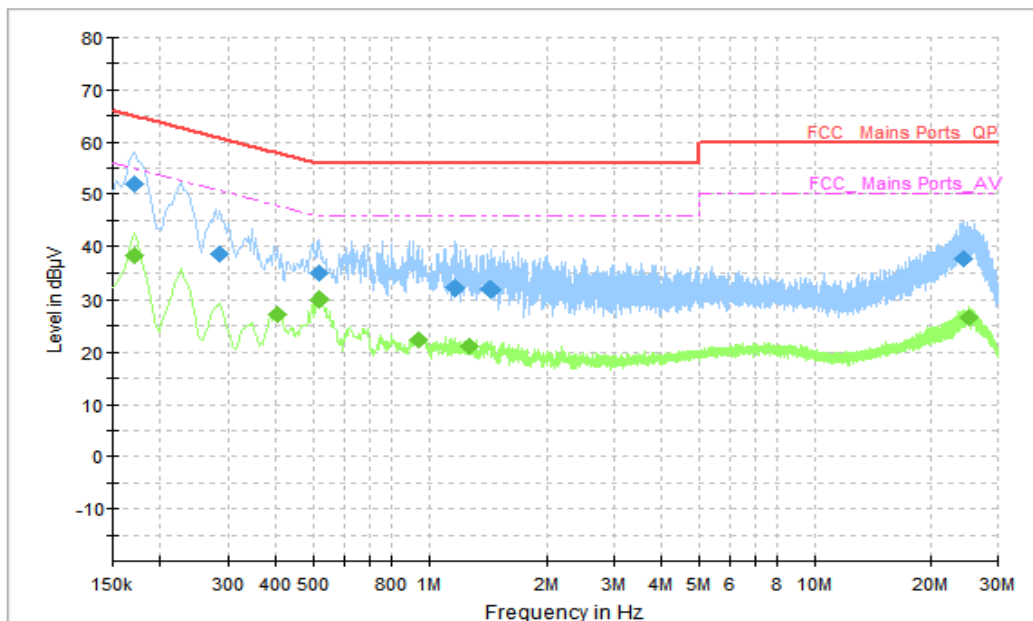


Figure A.2.2 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	52.07	64.96	12.89	N	10	42.07
0.286000	38.45	60.64	22.19	N	10	28.45
0.518000	34.98	56.00	21.02	N	10	24.98
1.170000	32.12	56.00	23.88	N	10	22.12
1.430000	31.71	56.00	24.29	N	10	21.71
24.362000	37.49	60.00	22.51	N	10	27.49

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	38.38	54.96	16.58	N	10	28.38
0.402000	27.18	47.81	20.63	L1	10	17.18
0.518000	29.88	46.00	16.12	L1	10	19.88
0.942000	22.49	46.00	23.51	N	10	12.49
1.270000	21.28	46.00	24.72	N	10	11.28
25.306000	26.73	50.00	23.27	N	10	16.73

AC Input Port/ Voltage: 120V/60Hz

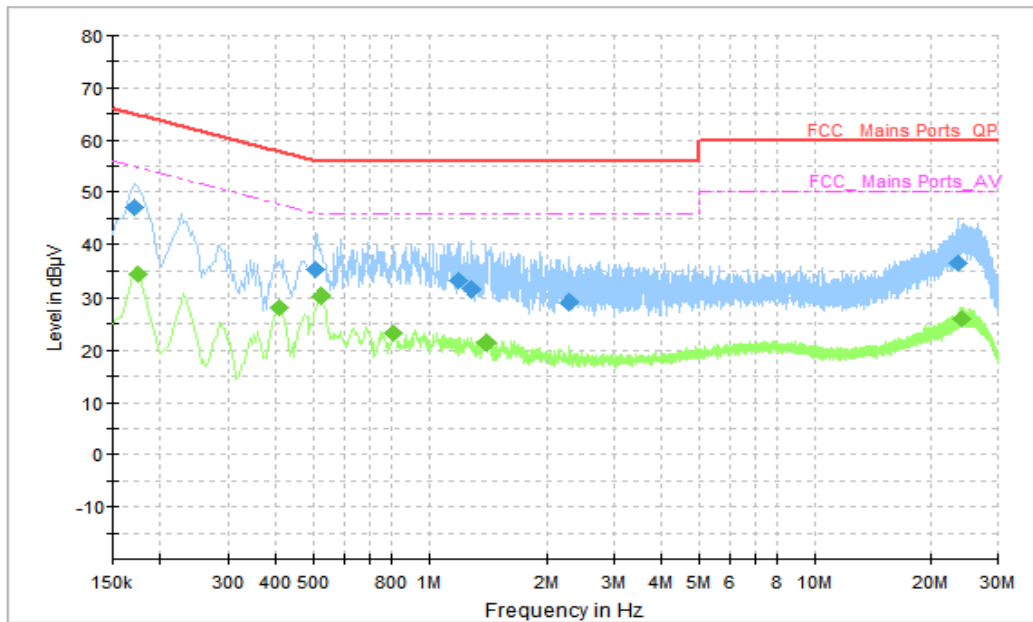


Figure A.2.3 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	47.16	64.96	17.80	N	10	37.16
0.506000	35.32	56.00	20.68	N	10	25.32
1.198000	33.06	56.00	22.94	N	10	23.06
1.290000	31.46	56.00	24.54	N	10	21.46
2.294000	29.03	56.00	26.97	N	10	19.03
23.554000	36.31	60.00	23.69	N	10	26.31

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.174000	34.25	54.77	20.51	L1	10	24.25
0.406000	28.08	47.73	19.65	L1	10	18.08
0.522000	30.18	46.00	15.82	L1	10	20.18
0.806000	23.37	46.00	22.63	N	10	13.37
1.402000	21.53	46.00	24.47	N	10	11.53
24.258000	26.13	50.00	23.87	N	10	16.13

AC Input Port/ Voltage: 120V/60Hz

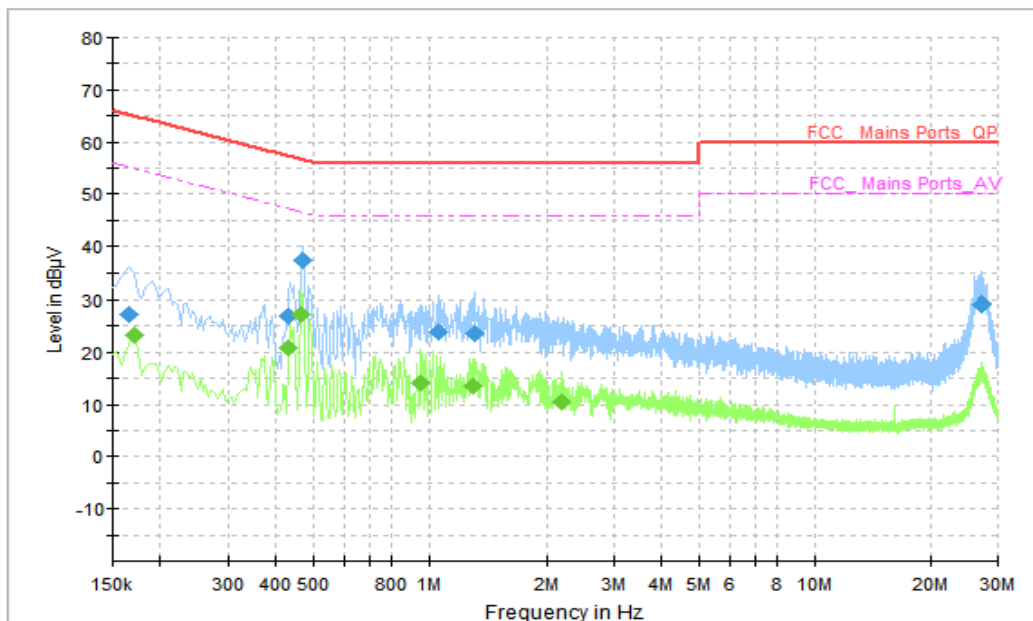


Figure A.2.4 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.166000	27.40	65.16	37.76	N	10	17.40
0.430000	27.07	57.25	30.18	L1	10	17.07
0.470000	37.25	56.51	19.27	L1	10	27.25
1.054000	23.97	56.00	32.03	L1	10	13.97
1.314000	23.48	56.00	32.52	L1	10	13.48
27.066000	29.08	60.00	30.92	L1	10	19.08

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	23.25	54.96	31.71	N	10	13.25
0.430000	20.88	47.25	26.38	L1	10	10.88
0.466000	27.30	46.59	19.28	N	10	17.30
0.954000	14.10	46.00	31.90	N	10	4.10
1.302000	13.56	46.00	32.44	N	10	3.56
2.186000	10.52	46.00	35.48	L1	10	0.52

AC Input Port/ Voltage: 120V/60Hz

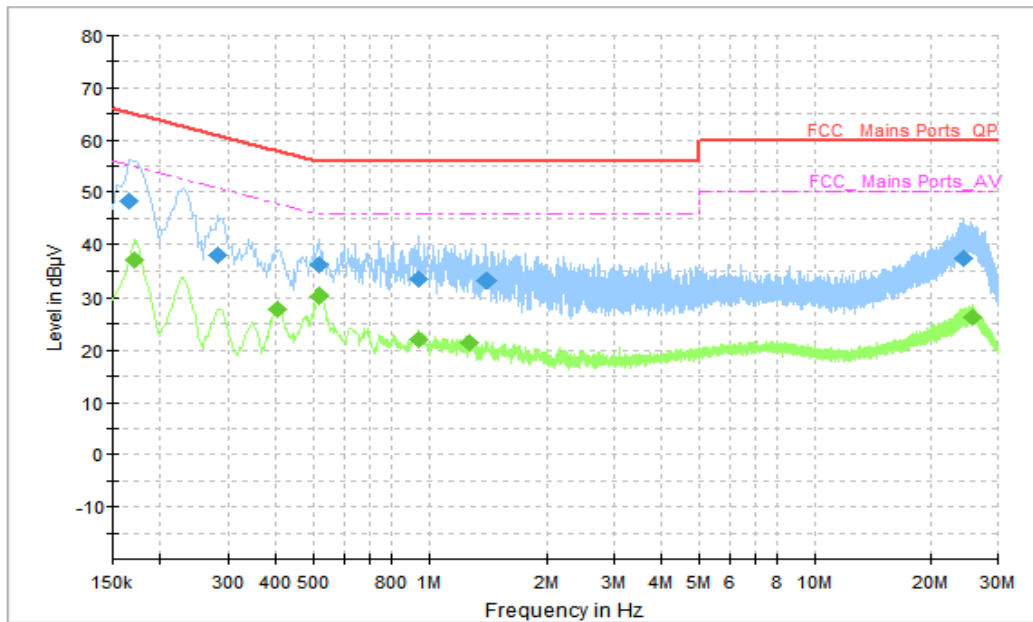


Figure A.2.5 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.166000	48.34	65.16	16.82	N	10	38.34
0.282000	37.95	60.76	22.81	N	10	27.95
0.518000	36.06	56.00	19.94	N	10	26.06
0.938000	33.22	56.00	22.78	N	10	23.22
1.402000	32.90	56.00	23.10	N	10	22.9
24.334000	37.29	60.00	22.71	N	10	27.29

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	37.05	54.96	17.91	N	10	27.05
0.402000	27.92	47.81	19.89	L1	10	17.92
0.518000	30.30	46.00	15.70	L1	10	20.30
0.938000	22.20	46.00	23.80	N	10	12.20
1.270000	21.32	46.00	24.68	N	10	11.32
25.778000	26.49	50.00	23.51	N	10	16.49

AC Input Port/ Voltage: 120V/60Hz

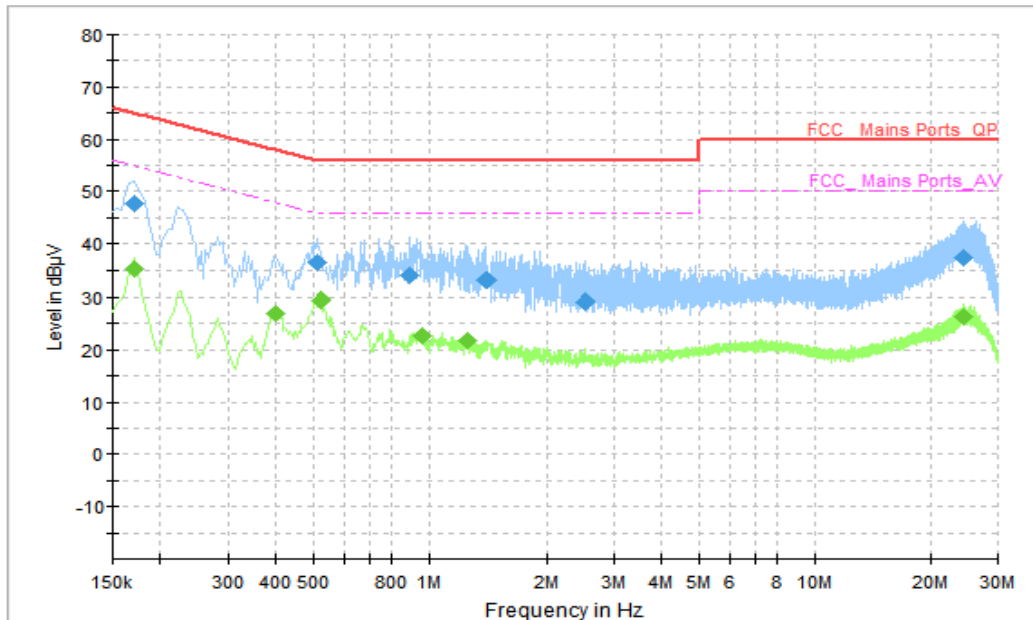


Figure A.2.6 Conducted Emission(FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	47.83	64.96	17.13	N	10	37.83
0.510000	36.47	56.00	19.53	N	10	26.47
0.894000	33.92	56.00	22.08	N	10	23.92
1.398000	32.96	56.00	23.04	N	10	22.96
2.522000	29.19	56.00	26.81	N	10	19.19
24.406000	37.27	60.00	22.73	N	10	27.27

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	35.04	54.96	19.92	N	10	25.04
0.398000	27.01	47.90	20.89	L1	10	17.01
0.522000	29.26	46.00	16.74	L1	10	19.26
0.962000	22.65	46.00	23.35	N	10	12.65
1.262000	21.67	46.00	24.33	N	10	11.67
24.538000	26.28	50.00	23.72	N	10	16.28

AC Input Port/ Voltage: 120V/60Hz

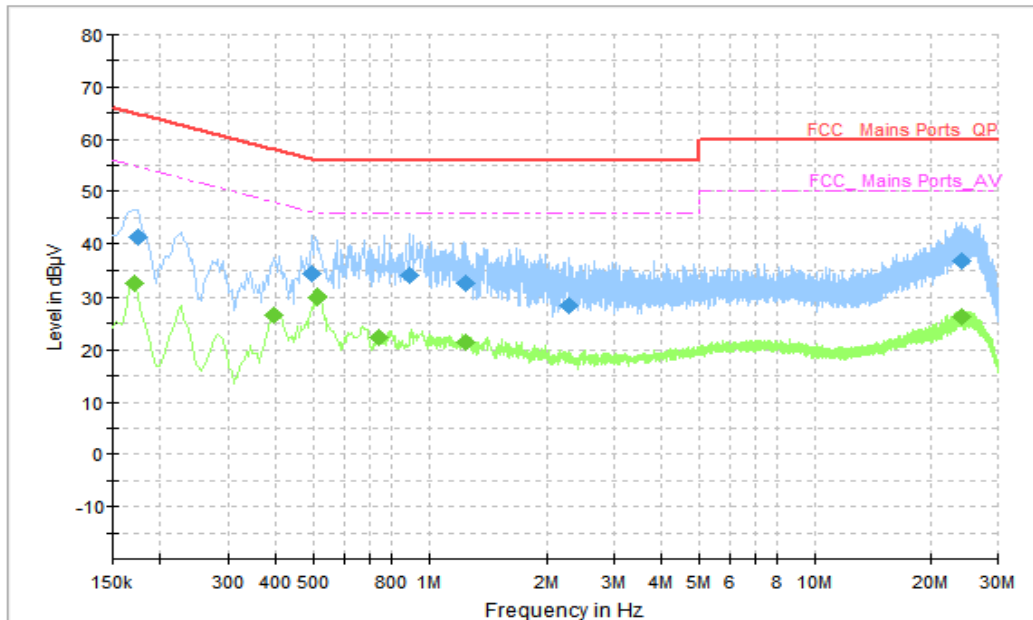


Figure A.2.7 Conducted Emission(Wi-Fi)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.174000	41.35	64.77	23.42	N	10	31.35
0.494000	34.25	56.10	21.85	N	10	24.25
0.890000	34.00	56.00	22.00	N	10	24.00
1.250000	32.57	56.00	23.43	N	10	22.57
2.290000	28.55	56.00	27.45	N	10	18.55
24.106000	36.73	60.00	23.27	N	10	26.73

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	32.32	54.96	22.64	N	10	22.32
0.394000	26.75	47.98	21.22	L1	10	16.75
0.514000	29.88	46.00	16.12	L1	10	19.88
0.738000	22.40	46.00	23.60	N	10	12.40
1.250000	21.34	46.00	24.66	N	10	11.34
24.050000	26.22	50.00	23.78	N	10	16.22

AC Input Port/ Voltage: 120V/60Hz

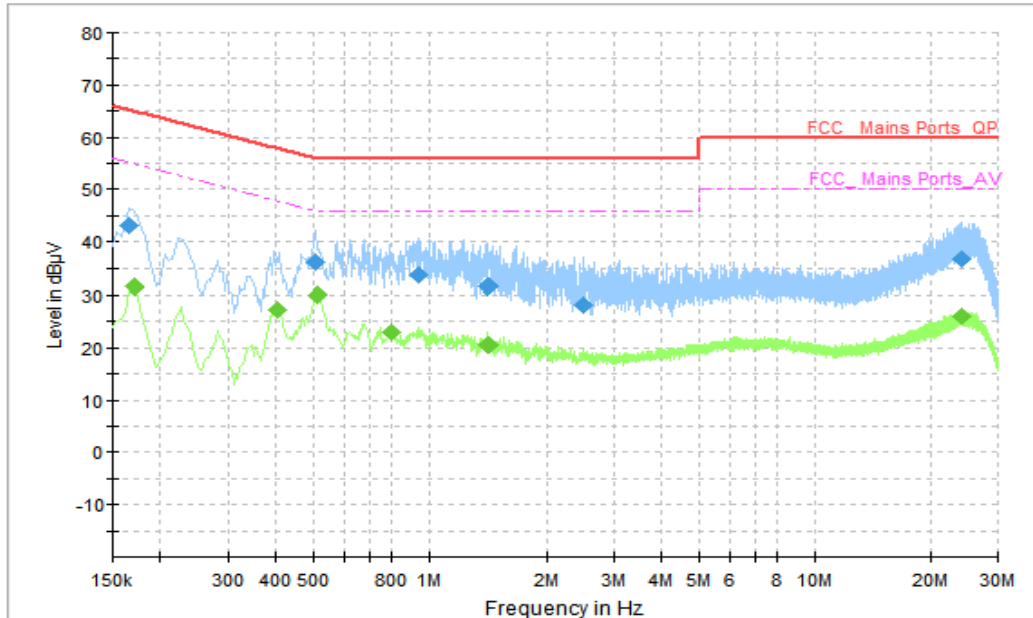


Figure A.2.8 Conducted Emission(Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.166000	43.14	65.16	22.02	N	10	33.14
0.506000	36.22	56.00	19.78	N	10	26.22
0.938000	33.60	56.00	22.40	N	10	23.60
1.426000	31.45	56.00	24.55	N	10	21.45
2.498000	28.31	56.00	27.69	N	10	18.31
24.054000	36.74	60.00	23.26	N	10	26.74

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	31.65	54.96	23.31	L1	10	21.65
0.402000	27.28	47.81	20.53	L1	10	17.28
0.514000	29.94	46.00	16.06	L1	10	19.94
0.798000	23.02	46.00	22.98	N	10	13.02
1.418000	20.69	46.00	25.31	N	10	10.69
24.246000	25.96	50.00	24.04	N	10	15.96

AC Input Port/ Voltage: 120V/60Hz

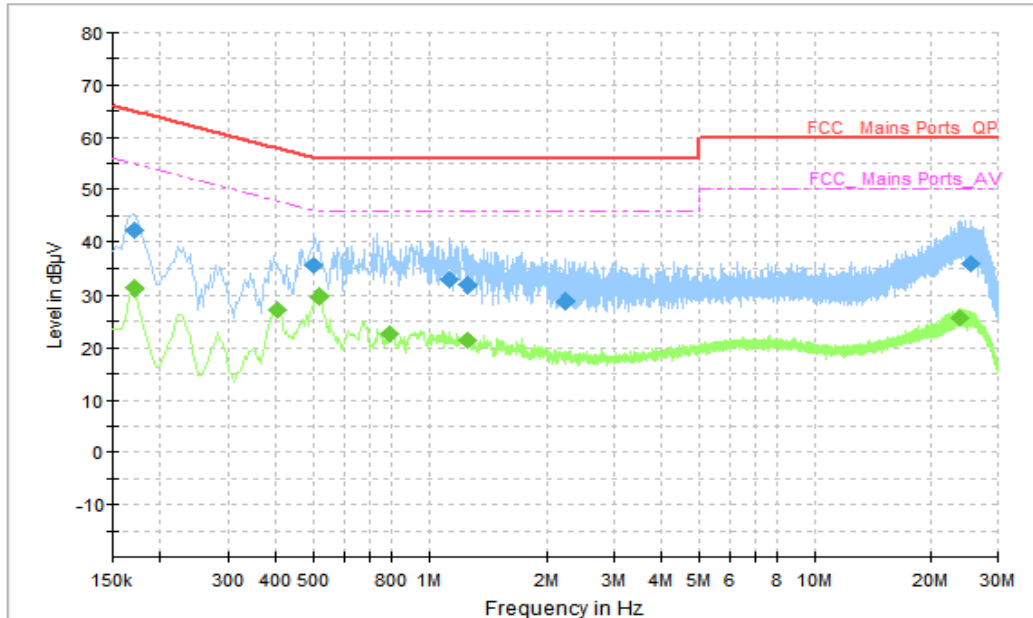


Figure A.2.9 Conducted Emission(GPS)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	42.22	64.96	22.74	N	10	32.22
0.502000	35.50	56.00	20.50	L1	10	25.50
1.130000	32.71	56.00	23.29	L1	10	22.71
1.254000	31.96	56.00	24.04	L1	10	21.96
2.246000	28.66	56.00	27.34	L1	10	18.66
25.414000	35.91	60.00	24.09	L1	10	25.91

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	31.11	54.96	23.85	L1	10	21.11
0.402000	27.35	47.81	20.47	L1	10	17.35
0.518000	29.60	46.00	16.40	L1	10	19.60
0.786000	22.74	46.00	23.26	L1	10	12.74
1.254000	21.43	46.00	24.57	L1	10	11.43
23.930000	25.72	50.00	24.28	L1	10	15.72

AC Input Port/ Voltage: 120V/60Hz

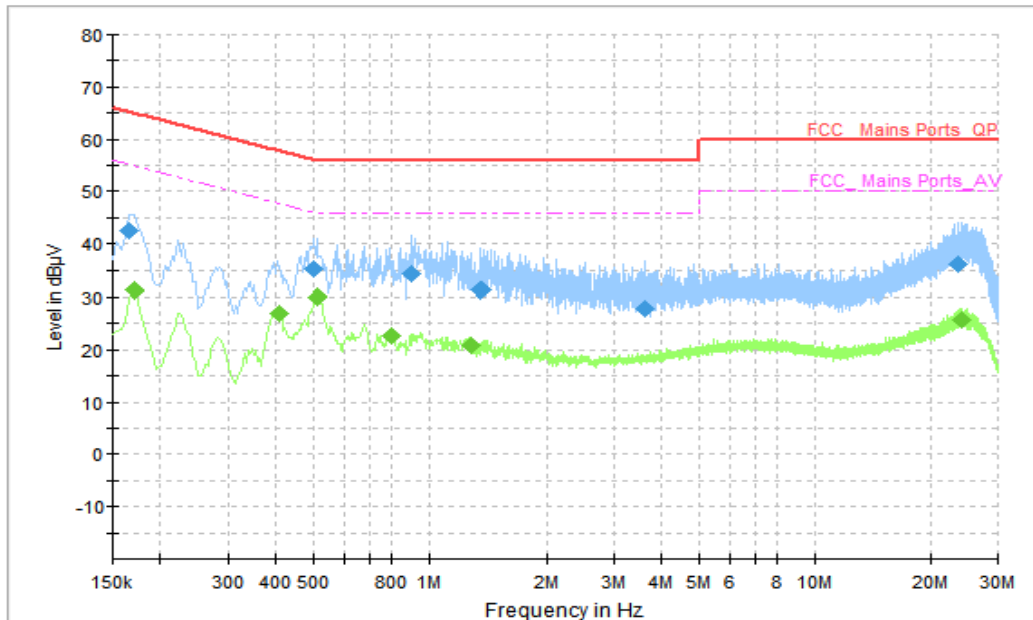


Figure A.2.10 Conducted Emission(GLONASS)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.166000	42.64	65.16	22.52	N	10	32.64
0.502000	35.25	56.00	20.75	N	10	25.25
0.902000	34.26	56.00	21.74	N	10	24.26
1.354000	31.34	56.00	24.66	N	10	21.34
3.594000	27.81	56.00	28.19	N	10	17.81
23.518000	36.06	60.00	23.94	N	10	26.06

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.170000	31.24	54.96	23.72	L1	10	21.24
0.406000	26.82	47.73	20.91	L1	10	16.82
0.514000	29.91	46.00	16.09	L1	10	19.91
0.802000	22.68	46.00	23.32	N	10	12.68
1.286000	20.79	46.00	25.21	N	10	10.79
24.102000	25.78	50.00	24.22	N	10	15.78

AC Input Port/ Voltage: 120V/60Hz

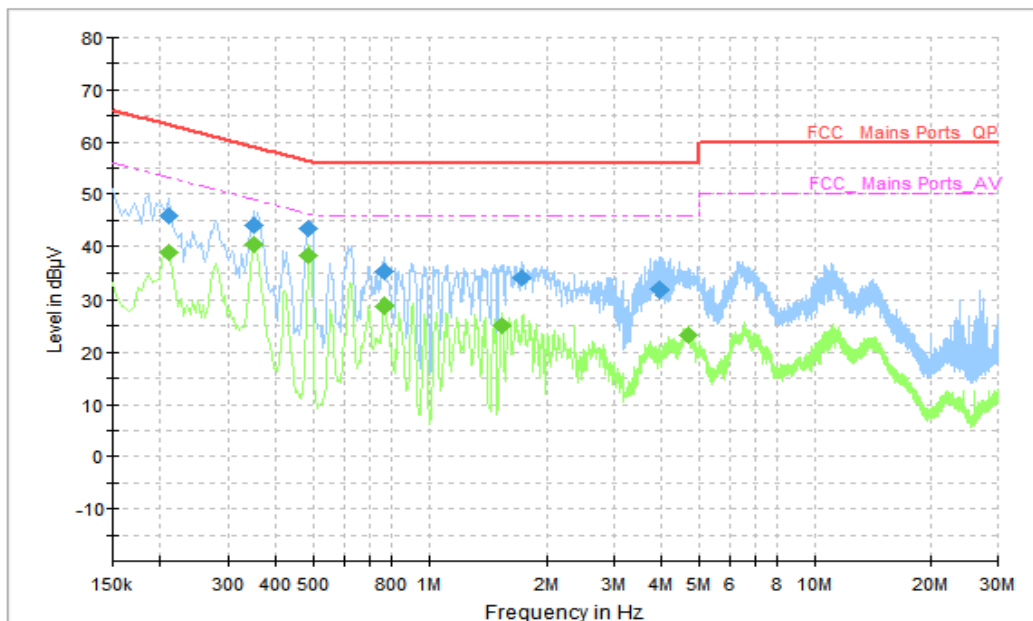


Figure A.2.11 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.210000	45.83	63.21	17.37	L1	10	35.83
0.350000	43.93	58.96	15.03	L1	10	33.93
0.486000	43.48	56.24	12.76	L1	10	33.48
0.762000	35.24	56.00	20.76	L1	10	25.24
1.734000	34.03	56.00	21.97	L1	10	24.03
3.958000	31.94	56.00	24.06	L1	10	21.94

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.210000	38.76	53.21	14.45	L1	10	28.76
0.350000	40.27	48.96	8.70	L1	10	30.27
0.486000	38.35	46.24	7.88	L1	10	28.35
0.762000	28.91	46.00	17.09	L1	10	18.91
1.526000	25.26	46.00	20.74	L1	10	15.26
4.710000	23.19	46.00	22.81	L1	10	13.19

AC Input Port/ Voltage: 120V/60Hz

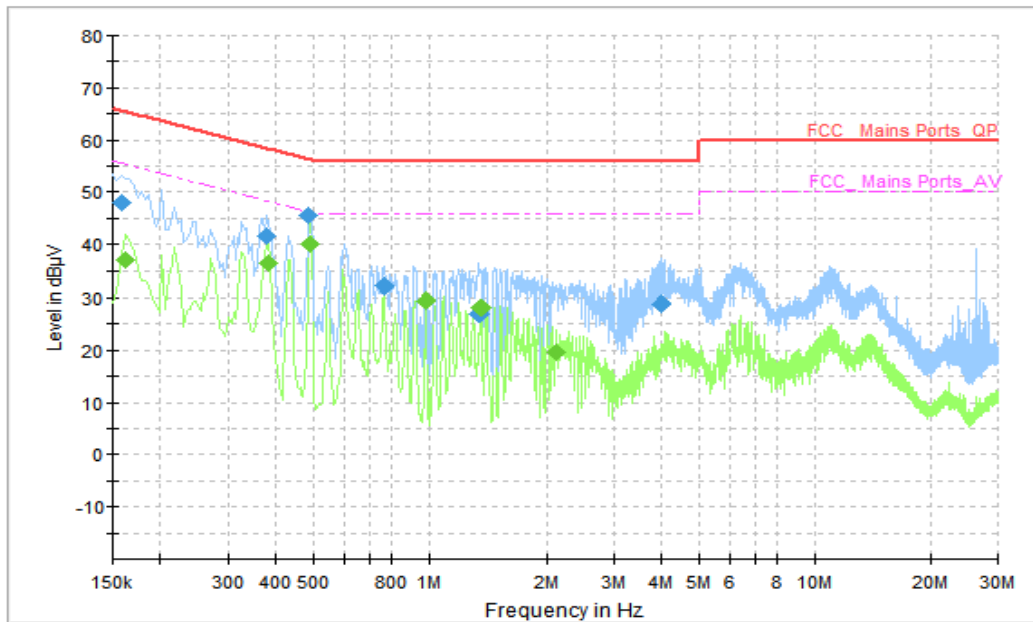


Figure A.2.12 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	48.12	65.57	17.45	L1	10	38.12
0.378000	41.62	58.32	16.71	L1	10	31.62
0.486000	45.45	56.24	10.78	L1	10	35.45
0.762000	32.27	56.00	23.73	L1	10	22.27
1.338000	26.97	56.00	29.03	L1	10	16.97
3.970000	28.67	56.00	27.33	L1	10	18.67

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.162000	37.12	55.36	18.24	L1	10	27.12
0.382000	36.39	48.24	11.85	L1	10	26.39
0.490000	44.94	46.17	1.23	L1	10	34.94
0.978000	29.47	46.00	16.53	L1	10	19.47
1.362000	28.07	46.00	17.93	L1	10	18.07
2.122000	19.53	46.00	26.47	L1	10	9.53

AC Input Port/ Voltage: 120V/60Hz

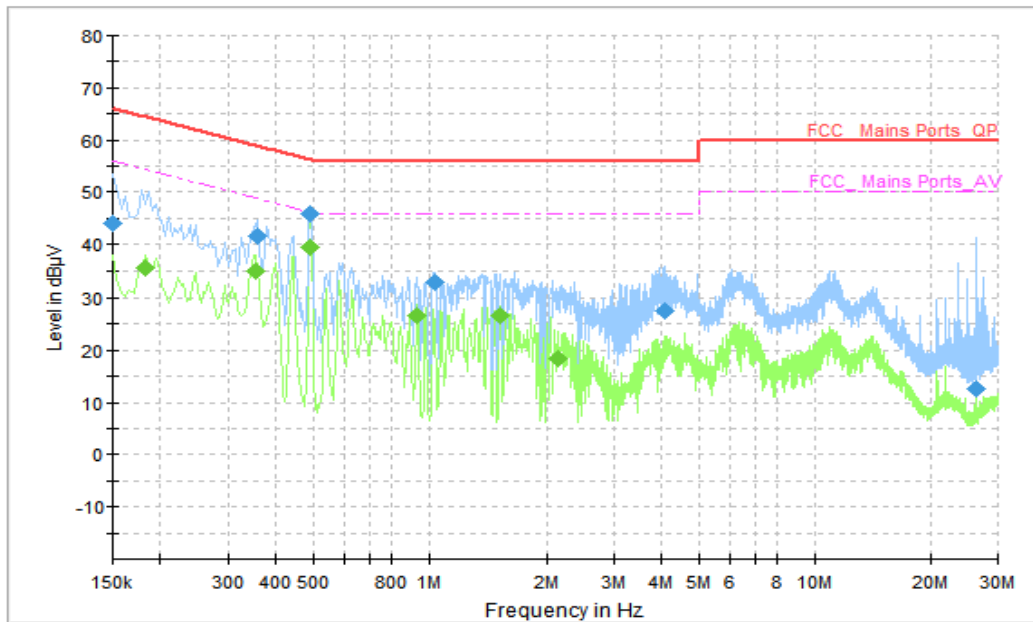


Figure A.2.13 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.150000	43.92	66.00	22.08	N	10	33.92
0.358000	41.69	58.78	17.09	L1	10	31.69
0.490000	45.75	56.17	10.42	L1	10	35.75
1.034000	32.83	56.00	23.17	L1	10	22.83
4.058000	27.57	56.00	28.43	L1	10	17.57
26.246000	12.77	60.00	47.23	L1	10	2.77

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.182000	35.62	54.39	18.78	L1	10	25.62
0.354000	34.80	48.87	14.07	L1	10	24.80
0.490000	39.39	46.17	6.78	L1	10	29.39
0.934000	26.78	46.00	19.22	L1	10	16.78
1.514000	26.58	46.00	19.42	L1	10	16.58
2.146000	18.50	46.00	27.50	L1	10	8.50

AC Input Port/ Voltage: 120V/60Hz

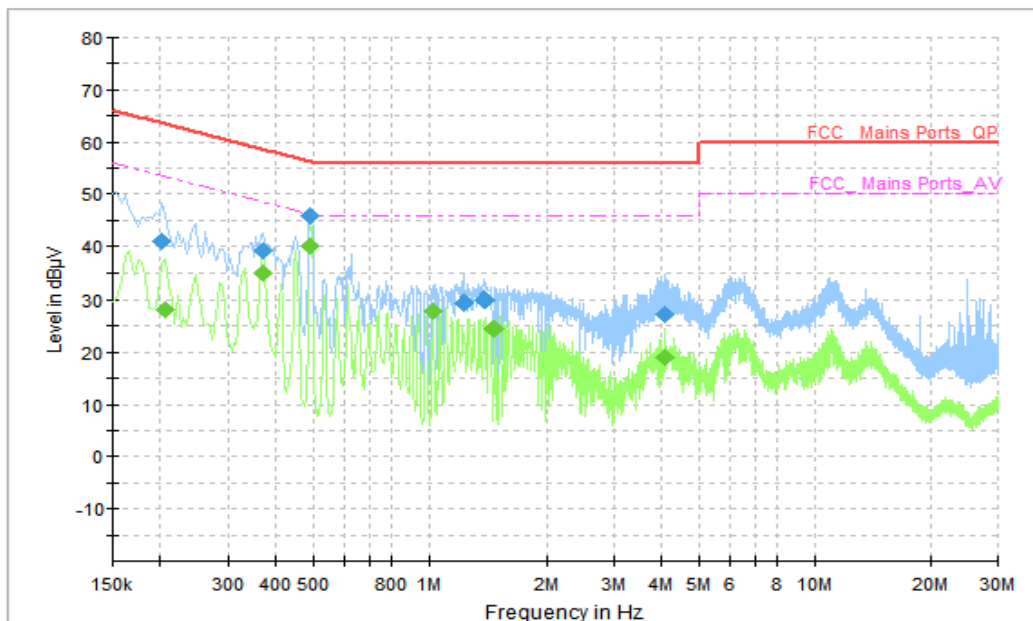


Figure A.2.14 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.202000	41.04	63.53	22.49	L1	10	31.04
0.370000	39.27	58.50	19.23	L1	10	29.27
0.490000	45.77	56.17	10.40	L1	10	35.77
1.230000	29.44	56.00	26.56	L1	10	19.44
1.386000	29.86	56.00	26.14	L1	10	19.86
4.082000	27.29	56.00	28.71	L1	10	17.29

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.206000	28.29	53.37	25.07	L1	10	18.29
0.370000	34.98	48.50	13.52	L1	10	24.98
0.490000	39.91	46.17	6.25	L1	10	29.91
1.022000	28.01	46.00	17.99	L1	10	18.01
1.470000	24.47	46.00	21.54	L1	10	14.47
4.090000	18.99	46.00	27.01	L1	10	8.99

AC Input Port/ Voltage: 240V/60Hz

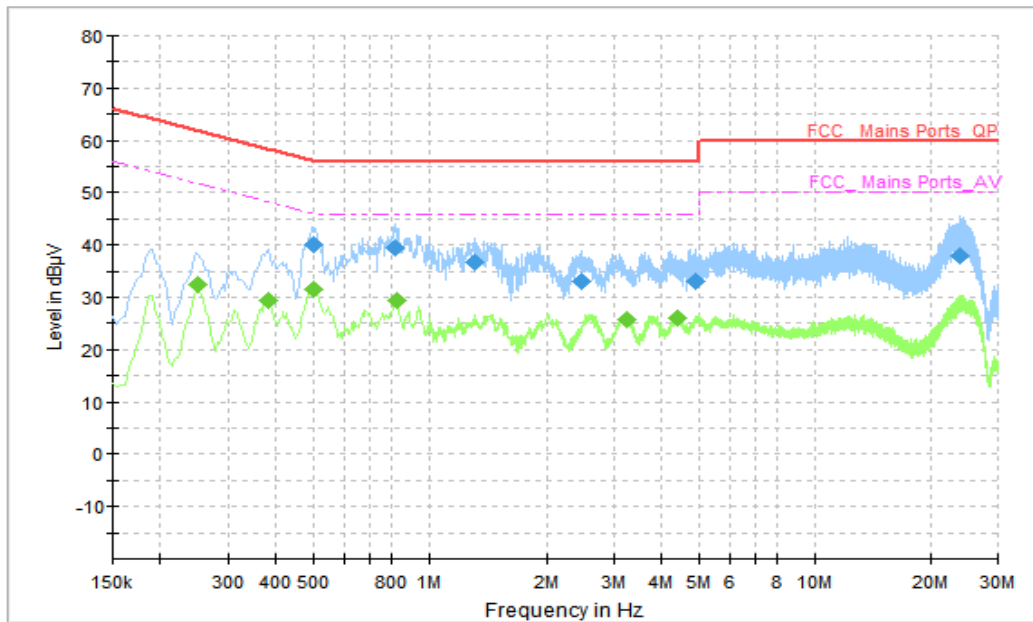


Figure A.2.15 Conducted Emission(Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.502000	39.93	56.00	16.07	N	10	29.93
0.814000	39.32	56.00	16.68	N	10	29.32
1.314000	36.74	56.00	19.26	N	10	26.74
2.478000	33.19	56.00	22.81	N	10	23.19
4.878000	33.18	56.00	22.82	N	10	23.18
23.950000	38.07	60.00	21.93	N	10	28.07

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.250000	32.31	51.76	19.45	L1	10	22.31
0.382000	29.36	48.24	18.87	L1	10	19.36
0.502000	31.43	46.00	14.57	L1	10	21.43
0.822000	29.34	46.00	16.66	L1	10	19.34
3.250000	25.78	46.00	20.22	L1	10	15.78
4.378000	25.94	46.00	20.06	L1	10	15.94

AC Input Port/ Voltage: 240V/60Hz

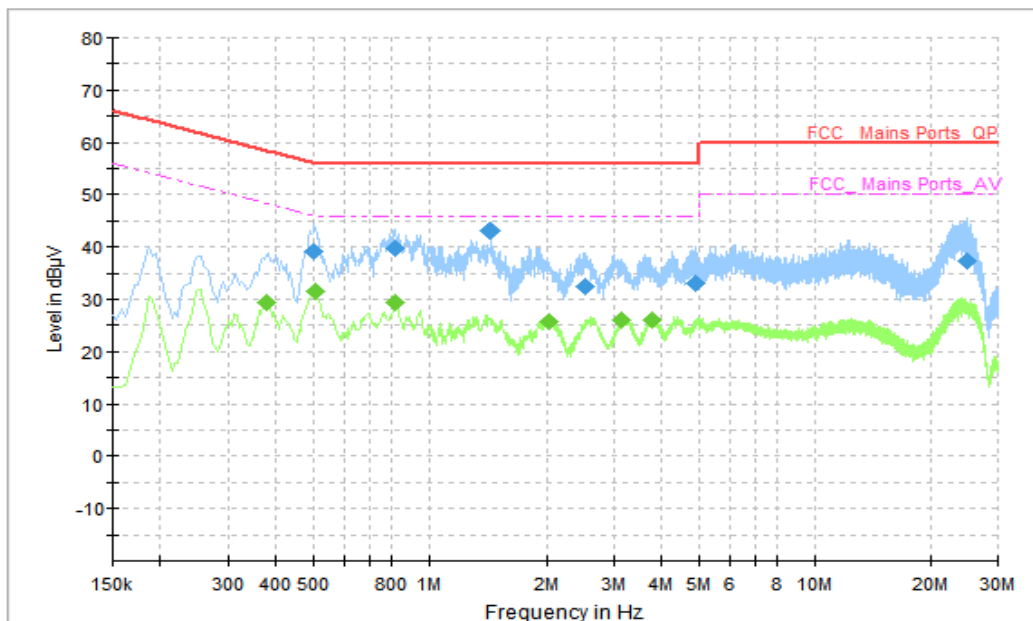


Figure A.2.16 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.502000	39.16	56.00	16.84	N	10	29.16
0.814000	39.65	56.00	16.35	N	10	29.65
1.434000	43.19	56.00	12.81	N	10	33.19
2.530000	32.47	56.00	23.53	N	10	22.47
4.874000	33.00	56.00	23.00	N	10	23
24.994000	37.19	60.00	22.81	N	10	27.19

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.378000	29.53	48.32	18.80	L1	10	19.53
0.506000	31.52	46.00	14.48	L1	10	21.52
0.818000	29.26	46.00	16.74	L1	10	19.26
2.034000	25.86	46.00	20.15	L1	10	15.86
3.142000	25.96	46.00	20.04	L1	10	15.96
3.758000	26.03	46.00	19.97	L1	10	16.03

AC Input Port/ Voltage: 240V/60Hz

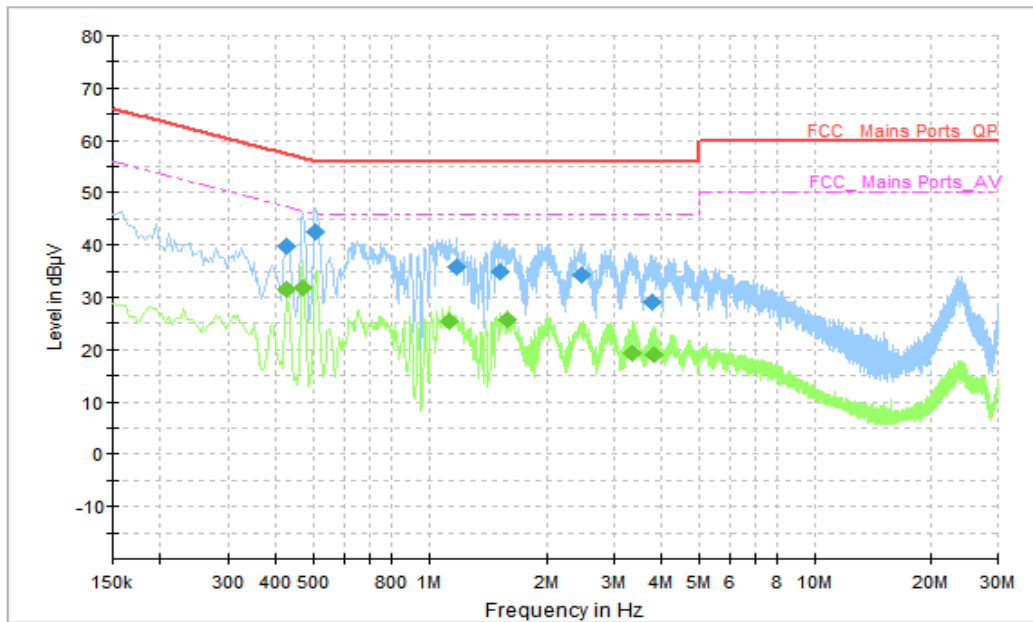


Figure A.2.17 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.426000	39.83	57.33	17.50	N	10	29.83
0.506000	42.59	56.00	13.41	N	10	32.59
1.178000	35.78	56.00	20.22	N	10	25.78
1.514000	34.74	56.00	21.26	N	10	24.74
2.478000	34.32	56.00	21.68	N	10	24.32
3.762000	28.94	56.00	27.06	N	10	18.94

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.426000	31.65	47.33	15.68	N	10	21.65
0.470000	31.75	46.51	14.77	N	10	21.75
1.126000	25.52	46.00	20.48	N	10	15.52
1.590000	25.62	46.00	20.38	N	10	15.62
3.338000	19.35	46.00	26.65	N	10	9.35
3.806000	19.05	46.00	26.95	N	10	9.05

AC Input Port/ Voltage: 240V/60Hz

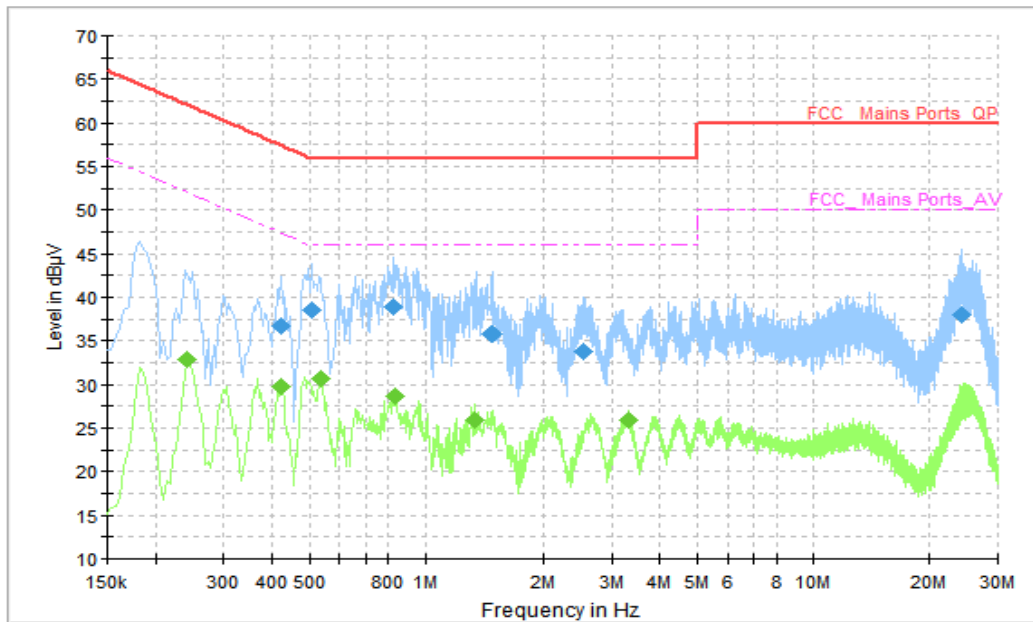


Figure A.2.18 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.422000	36.71	57.41	20.70	N	10	26.71
0.506000	38.51	56.00	17.49	N	10	28.51
0.822000	38.94	56.00	17.06	N	10	28.94
1.470000	35.73	56.00	20.27	N	10	25.73
2.546000	33.83	56.00	22.17	N	10	23.83
24.278000	37.94	60.00	22.06	N	10	27.94

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.242000	32.80	52.03	19.22	L1	10	22.80
0.422000	29.73	47.41	17.68	L1	10	19.73
0.538000	30.65	46.00	15.35	L1	10	20.65
0.830000	28.70	46.00	17.30	N	10	18.70
1.334000	25.92	46.00	20.08	N	10	15.92
3.314000	25.93	46.00	20.07	L1	10	15.93

AC Input Port/ Voltage: 240V/60Hz

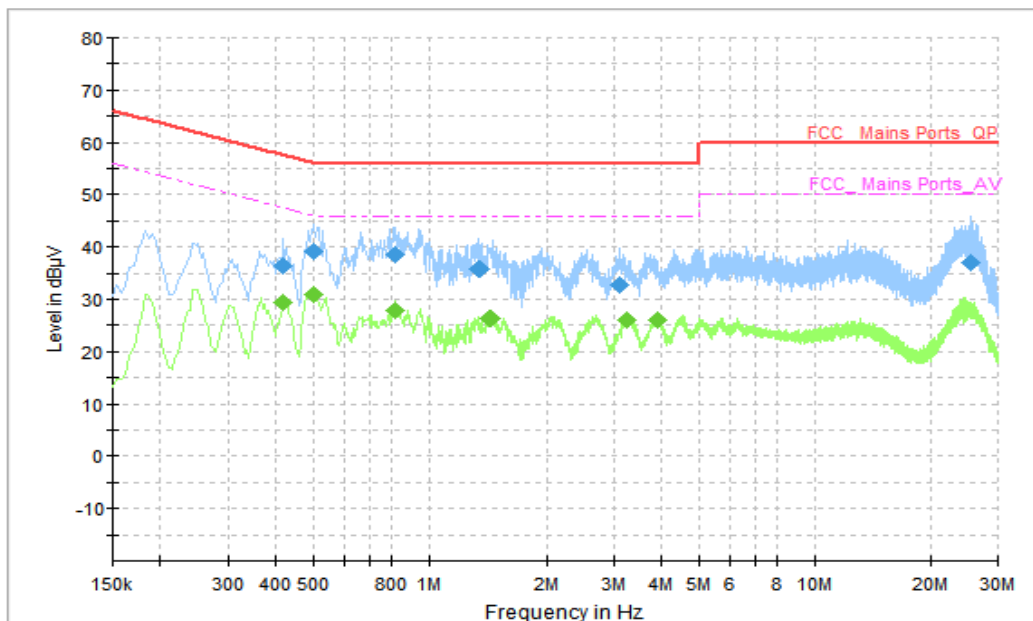


Figure A.2.19 Conducted Emission(Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.418000	36.46	57.49	21.03	N	10	26.46
0.502000	39.10	56.00	16.90	N	10	29.10
0.818000	38.45	56.00	17.55	N	10	28.45
1.338000	35.86	56.00	20.14	N	10	25.86
3.086000	32.80	56.00	23.20	N	10	22.8
25.562000	36.98	60.00	23.02	N	10	26.98

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.418000	29.32	47.49	18.17	L1	10	19.32
0.502000	30.90	46.00	15.10	L1	10	20.90
0.818000	27.76	46.00	18.24	N	10	17.76
1.442000	26.33	46.00	19.67	L1	10	16.33
3.230000	25.96	46.00	20.04	L1	10	15.96
3.882000	26.03	46.00	19.97	L1	10	16.03

AC Input Port/ Voltage: 240V/60Hz

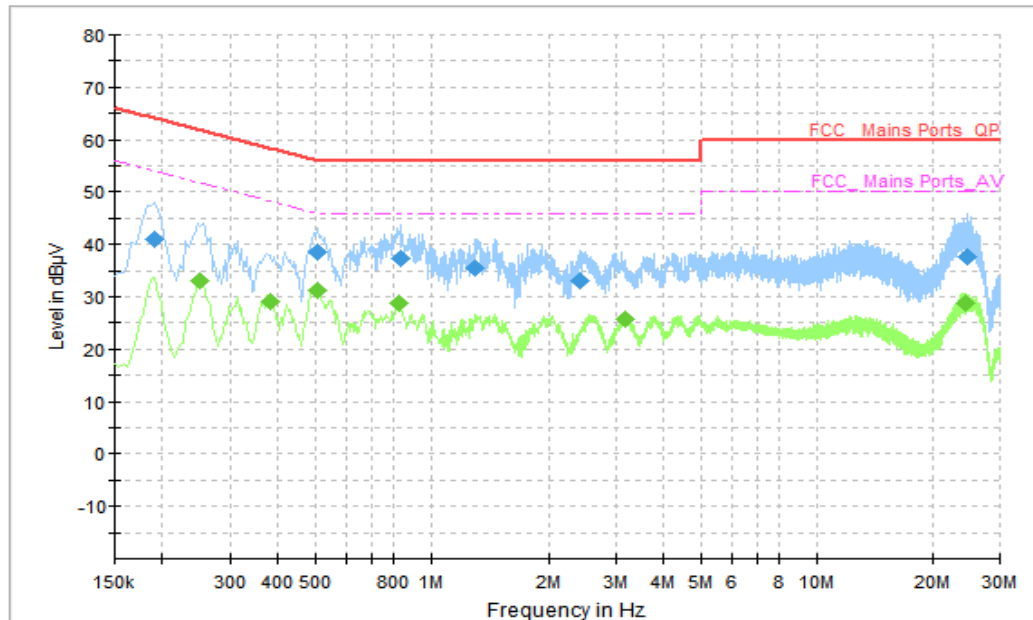


Figure A.2.20 Conducted Emission(FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.190000	40.91	64.04	23.13	N	10	30.91
0.506000	38.54	56.00	17.46	N	10	28.54
0.838000	37.46	56.00	18.54	N	10	27.46
1.306000	35.46	56.00	20.54	N	10	25.46
2.422000	32.93	56.00	23.07	N	10	22.93
24.806000	37.65	60.00	22.35	N	10	27.65

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.250000	33.03	51.76	18.72	L1	10	23.03
0.382000	29.18	48.24	19.06	L1	10	19.18
0.506000	31.21	46.00	14.79	L1	10	21.21
0.826000	28.68	46.00	17.32	L1	10	18.68
3.166000	25.86	46.00	20.14	L1	10	15.86
24.482000	28.79	50.00	21.21	N	10	18.79

AC Input Port/ Voltage: 240V/60Hz

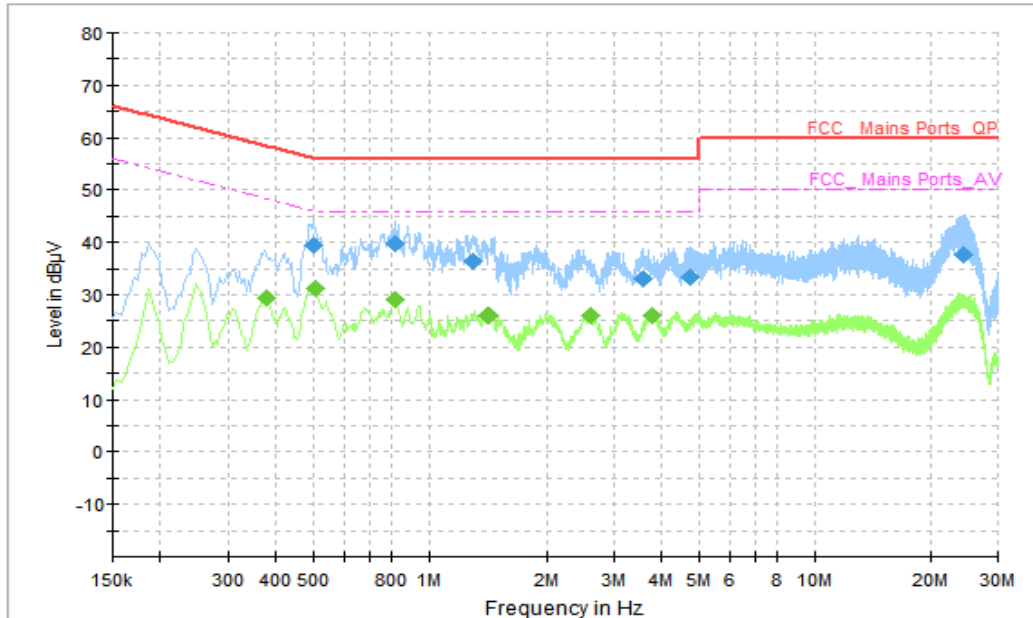


Figure A.2.21 Conducted Emission(Wi-Fi)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.498000	39.36	56.03	16.67	N	10	29.36
0.814000	39.69	56.00	16.31	N	10	29.69
1.298000	36.25	56.00	19.75	N	10	26.25
3.574000	33.08	56.00	22.92	N	10	23.08
4.746000	33.37	56.00	22.63	N	10	23.37
24.514000	37.66	60.00	22.34	N	10	27.66

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.378000	29.36	48.32	18.97	L1	10	19.36
0.506000	31.13	46.00	14.87	L1	10	21.13
0.814000	29.10	46.00	16.90	L1	10	19.10
1.426000	26.12	46.00	19.88	L1	10	16.12
2.594000	25.99	46.00	20.01	L1	10	15.99
3.766000	26.03	46.00	19.97	L1	10	16.03

AC Input Port/ Voltage: 240V/60Hz

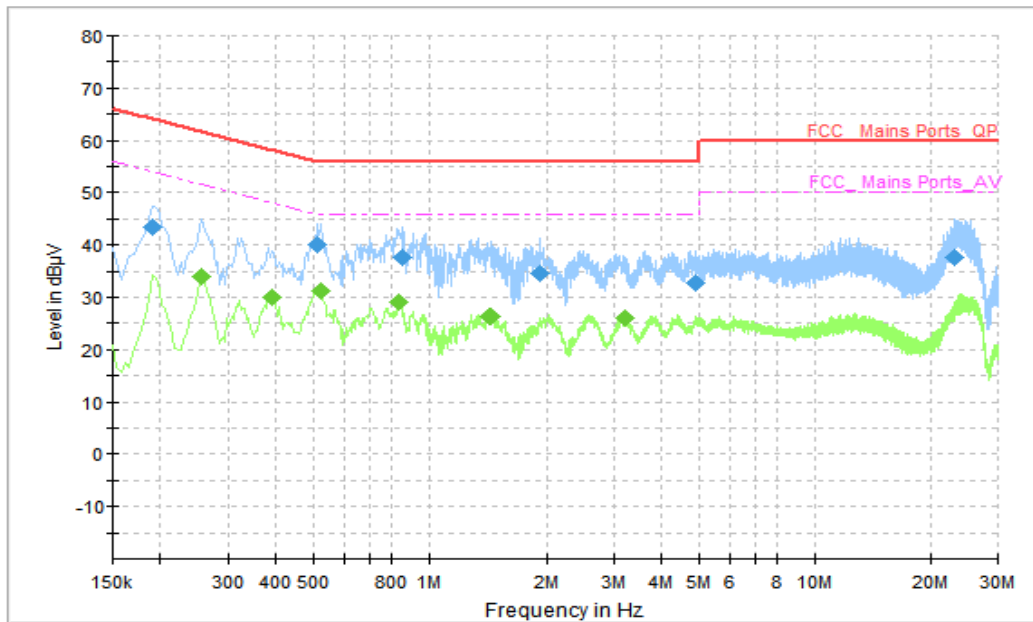


Figure A.2.22 Conducted Emission(Bluetooth)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.190000	43.42	64.04	20.61	N	10	33.42
0.514000	40.11	56.00	15.89	N	10	30.11
0.850000	37.59	56.00	18.41	N	10	27.59
1.914000	34.59	56.00	21.41	N	10	24.59
4.914000	32.71	56.00	23.29	N	10	22.71
23.162000	37.59	60.00	22.41	N	10	27.59

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.254000	33.90	51.63	17.73	L1	10	23.90
0.390000	30.08	48.06	17.98	L1	10	20.08
0.522000	31.31	46.00	14.69	L1	10	21.31
0.834000	29.08	46.00	16.92	L1	10	19.08
1.430000	26.43	46.00	19.57	L1	10	16.43
3.210000	25.90	46.00	20.10	L1	10	15.90

AC Input Port/ Voltage: 240V/60Hz

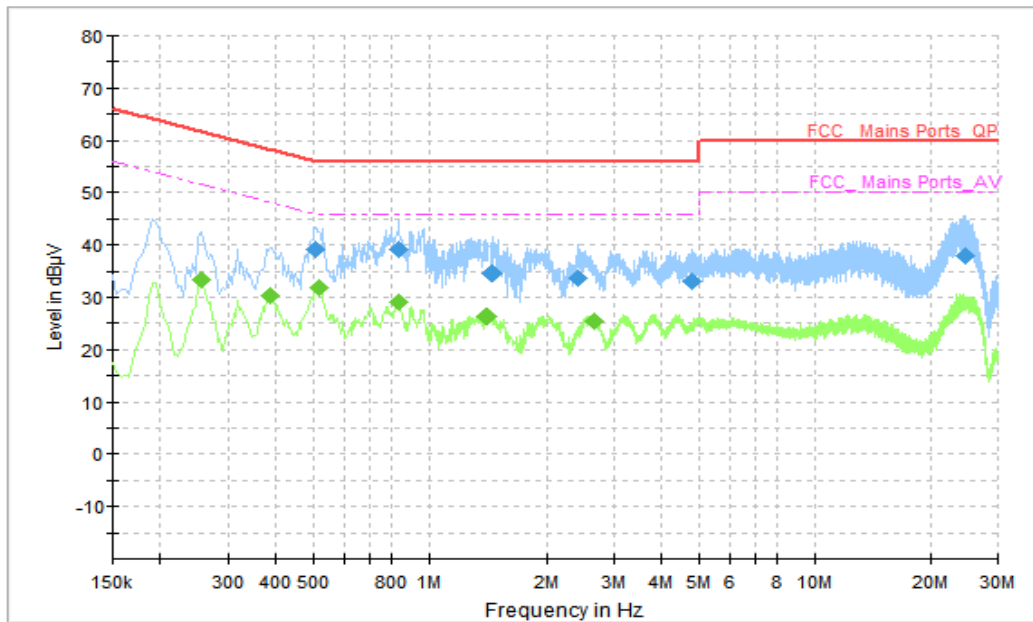


Figure A.2.23 Conducted Emission(GPS)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.506000	39.29	56.00	16.71	N	10	29.29
0.834000	39.22	56.00	16.78	N	10	29.22
1.446000	34.68	56.00	21.32	N	10	24.68
2.422000	33.51	56.00	22.49	N	10	23.51
4.814000	33.14	56.00	22.86	N	10	23.14
24.586000	37.79	60.00	22.21	N	10	27.79

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.254000	33.48	51.63	18.14	L1	10	23.48
0.386000	30.23	48.15	17.92	L1	10	20.23
0.518000	31.89	46.00	14.11	L1	10	21.89
0.834000	28.99	46.00	17.01	L1	10	18.99
1.410000	26.41	46.00	19.59	L1	10	16.41
2.674000	25.51	46.00	20.49	L1	10	15.51

AC Input Port/ Voltage: 240V/60Hz

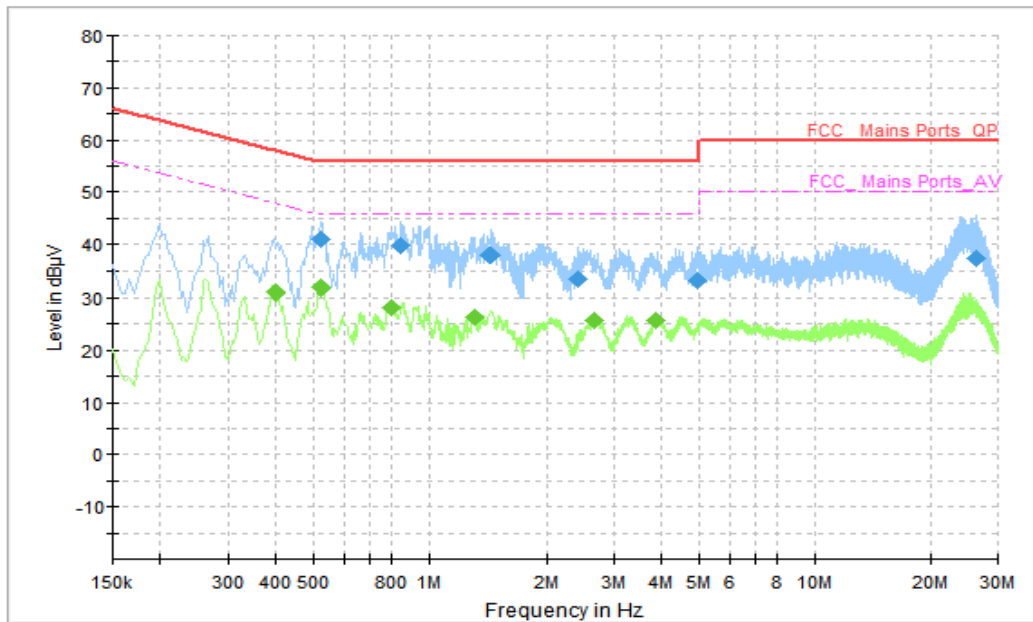


Figure A.2.24 Conducted Emission(GLONASS)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.522000	40.99	56.00	15.01	N	10	30.99
0.846000	39.89	56.00	16.11	N	10	29.89
1.434000	38.06	56.00	17.94	N	10	28.06
2.426000	33.45	56.00	22.55	N	10	23.45
4.962000	33.02	56.00	22.98	N	10	23.02
26.386000	37.26	60.00	22.74	N	10	27.26

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.398000	30.83	47.90	17.06	L1	10	20.83
0.522000	31.94	46.00	14.06	L1	10	21.94
0.798000	28.32	46.00	17.68	N	10	18.32
1.314000	26.45	46.00	19.55	N	10	16.45
2.658000	25.80	46.00	20.20	L1	10	15.8
3.854000	25.58	46.00	20.42	L1	10	15.58

AC Input Port/ Voltage: 240V/60Hz

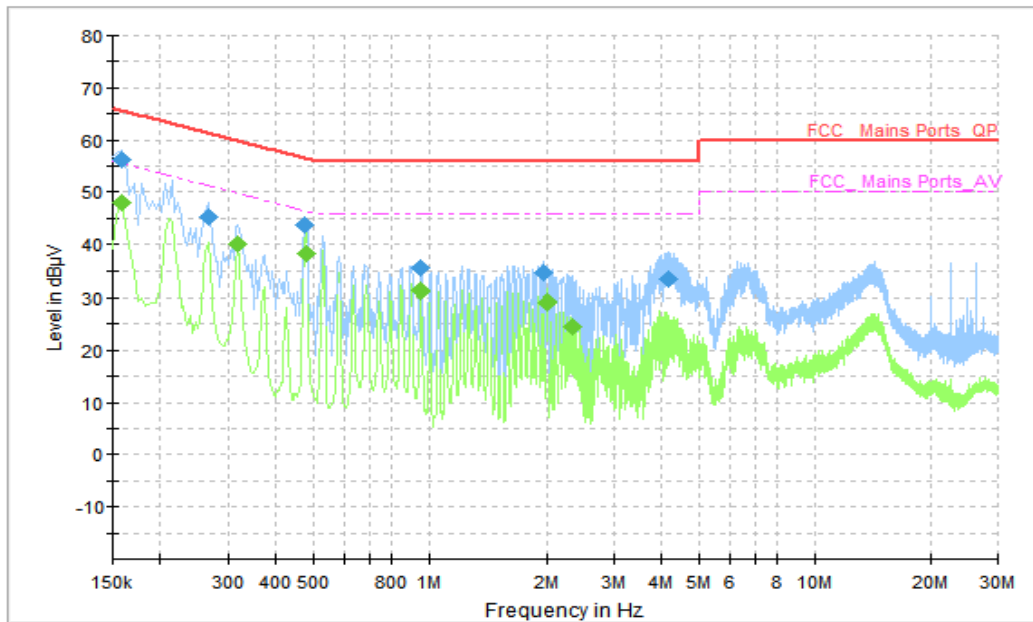


Figure A.2.25 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	56.12	65.57	9.45	L1	10	46.12
0.266000	45.26	61.24	15.99	L1	10	35.26
0.474000	43.79	56.44	12.66	L1	10	33.79
0.950000	35.56	56.00	20.44	L1	10	25.56
1.958000	34.67	56.00	21.33	L1	10	24.67
4.178000	33.32	56.00	22.68	L1	10	23.32

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	47.99	55.57	7.57	L1	10	37.99
0.318000	40.21	49.76	9.55	L1	10	30.21
0.478000	38.36	46.37	8.01	L1	10	28.36
0.954000	31.14	46.00	14.86	L1	10	21.14
2.010000	28.99	46.00	17.01	L1	10	18.99
2.330000	24.40	46.00	21.60	L1	10	14.40

AC Input Port/ Voltage: 240V/60Hz

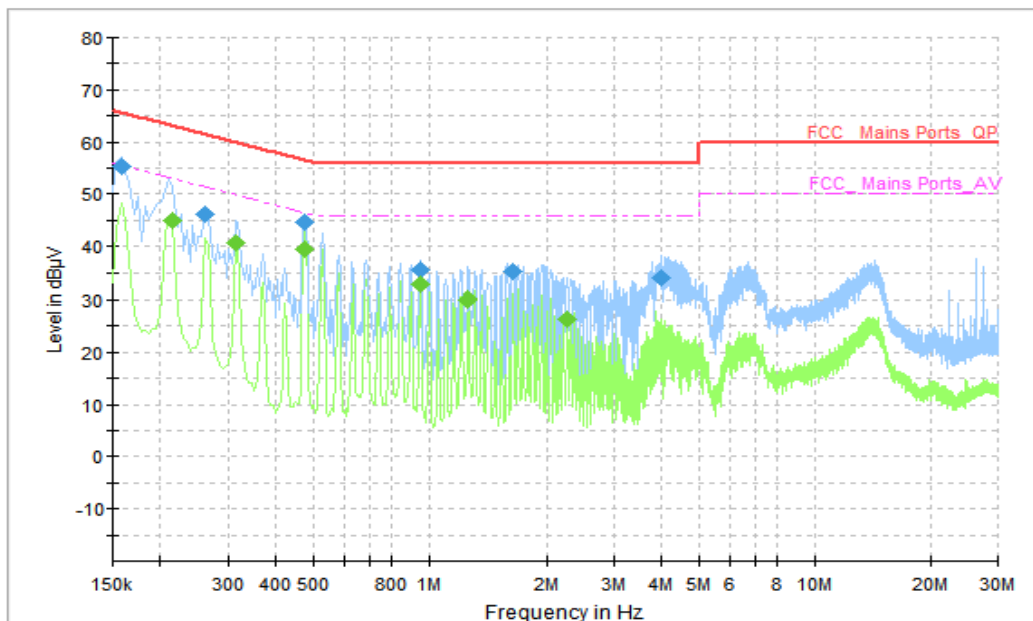


Figure A.2.26 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	55.42	65.57	10.15	N	10	45.42
0.262000	46.13	61.37	15.24	L1	10	36.13
0.474000	44.62	56.44	11.82	L1	10	34.62
0.950000	35.62	56.00	20.38	L1	10	25.62
1.630000	35.11	56.00	20.89	L1	10	25.11
3.990000	33.94	56.00	22.06	L1	10	23.94

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.214000	44.90	53.05	8.15	L1	10	34.90
0.314000	40.81	49.86	9.05	L1	10	30.81
0.474000	39.40	46.44	7.04	L1	10	29.40
0.950000	32.66	46.00	13.34	L1	10	22.66
1.266000	30.03	46.00	15.97	L1	10	20.03
2.266000	26.27	46.00	19.73	L1	10	16.27

AC Input Port/ Voltage: 240V/60Hz

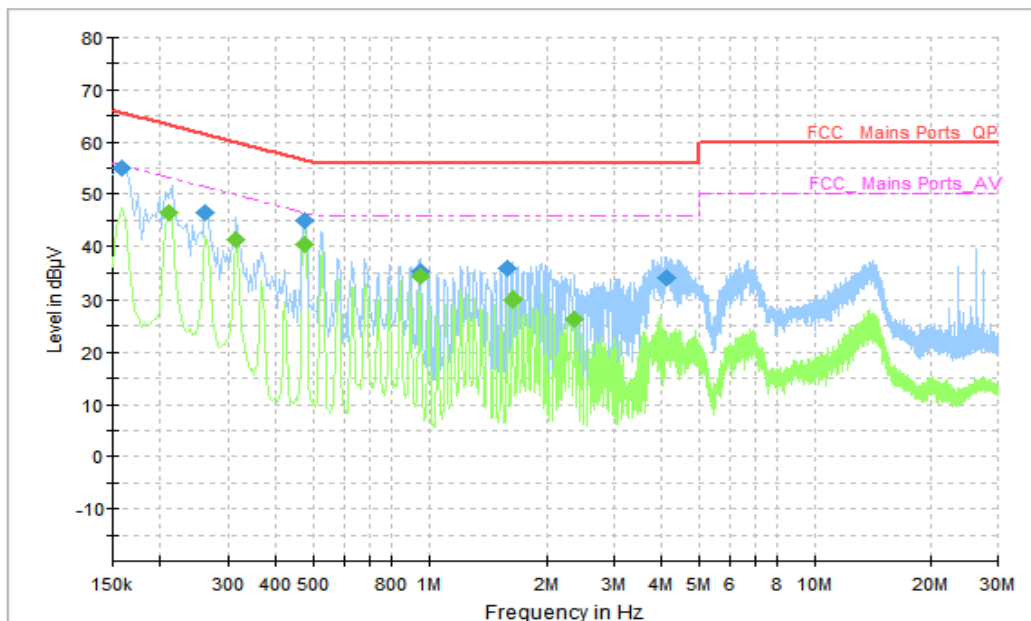


Figure A.2.27 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.158000	54.93	65.57	10.64	N	10	44.93
0.262000	46.58	61.37	14.79	L1	10	36.58
0.474000	44.98	56.44	11.47	L1	10	34.98
0.950000	35.28	56.00	20.72	L1	10	25.28
1.578000	35.73	56.00	20.27	L1	10	25.73
4.134000	34.05	56.00	21.95	L1	10	24.05

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.210000	46.47	53.21	6.74	L1	10	36.47
0.314000	41.14	49.86	8.72	L1	10	31.14
0.474000	40.39	46.44	6.05	L1	10	30.39
0.946000	34.32	46.00	11.68	L1	10	24.32
1.630000	29.90	46.00	16.10	L1	10	19.9
2.366000	26.48	46.00	19.52	N	10	16.48

AC Input Port/ Voltage: 240V/60Hz

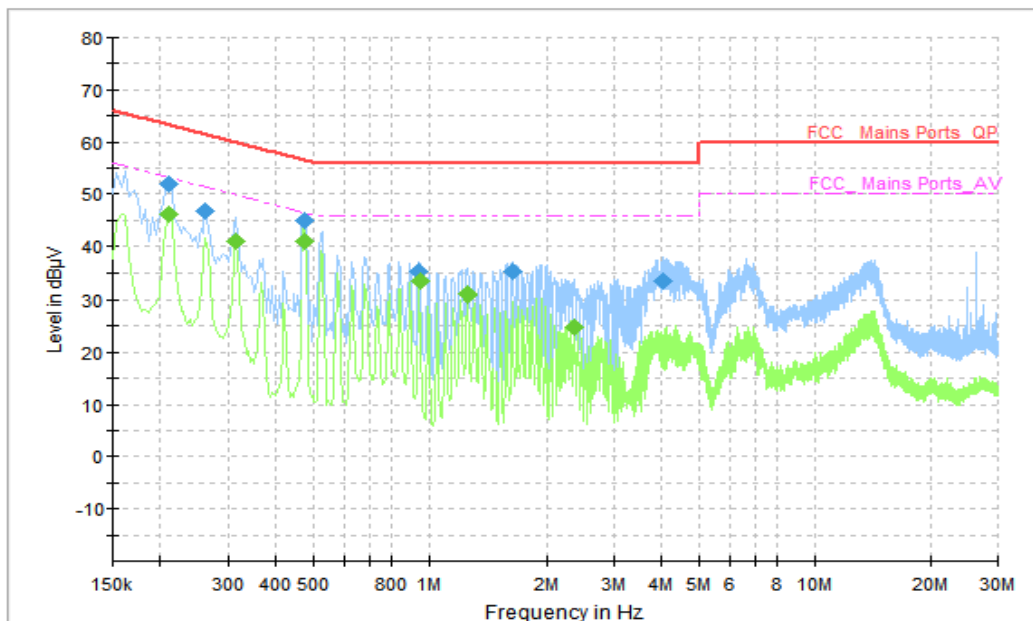


Figure A.2.28 Conducted Emission(Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.210000	51.87	63.21	11.34	L1	10	41.87
0.262000	46.70	61.37	14.67	L1	10	36.70
0.474000	45.06	56.44	11.39	L1	10	35.06
0.938000	35.25	56.00	20.75	L1	10	25.25
1.626000	35.31	56.00	20.69	L1	10	25.31
4.018000	33.38	56.00	22.62	L1	10	23.38

Final_Result_AVG

Frequency (MHz)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	P _{Mea} (dBµV)
0.210000	46.02	53.21	7.19	L1	10	36.02
0.314000	40.86	49.86	9.00	L1	10	30.86
0.474000	40.86	46.44	6.59	L1	10	30.86
0.946000	33.41	46.00	12.59	L1	10	23.41
1.258000	31.02	46.00	14.98	L1	10	21.02
2.362000	24.76	46.00	21.24	N	10	14.76

END OF REPORT