



TESTREPORT

No.I21N00537-EMC

TCL Communication Ltd.

Tablet PC

Model Name: 9032T

With

Hardware Version: PIO

Software Version:1E50

FCC ID:2ACCJB151

Issued Date: 2021-03-26

Designation Number: CN1210

Note:

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

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No.I21N00537-EMC

REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21N00537-EMC	Rev.0	1st edition	2021-03-26

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

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1. Summary of Test Report

1.1. Test Items

Description	Tablet PC
Model Name	9032T
Applicant's name	TCL Communication Ltd.
Manufacturer's Name	TCL Communication Ltd.

1.2. Test Standards

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

1.3. Test Result

Pass

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

1.4. Testing Location

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

1.5. Project data

Testing Start Date: 2021-02-15

Testing End Date: 2021-03-24

1.6. Signature

Liang Yong
(Prepared this test report)

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(Reviewed this test report)

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(Approved this test report)



2. Client Information

2.1. Applicant Information

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

2.2. Manufacturer Information

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

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

3.1. About EUT

Description	Tablet PC
Model Name	9032T
FCC ID	2ACCJB151
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
UT09aa	350583091701103	PIO	1E50	2021-02-10
UT14aa	350583091701095	PIO	1E50	2021-02-10

*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

Model	TLp040M7
SN	CAC4000018C7
Manufacturer	VEKEN
Capacity	4000mAh
Nominal Voltage	3.85V

AE2-1

Model	UC11US/ CBA0058AGAC7
Manufacturer	PUAN

AE2-2

Model	UC11US/ CBA0058AGAC7
Manufacturer	Chenyang

AE3-1

Model	CDA0000123C2
Manufacturer	SHENGHUA

AE3-2



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Model	CDA0000123C1
Manufacturer	JUWEI
AE4	
Model	/
Manufacturer	/

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

AE: ancillary equipment

AE4: just for testing

3.4. EUT set-ups

EUT set-up No.

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

Combination of EUT and AE

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



3.5. General Description

The Equipment Under Test (EUT) is a model of Multi-band GSM/WCDMA/LTE Tablet PC with Bluetooth, WLAN with internal antenna.

It supports GSM 850/900/1800/1900MHz, WCDMA Bands 1/2/4/5/8, and LTE Bands 2/3/4/5/7/8/12/17/28/66.

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

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

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℃
Relative Humidity: 20~75%
Atmospheric pressure 86~106kPa

6.2. Summary of Measurement Results

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

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

6.3. Statement

6.3.1 Statements of conformity

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

7. Measurement uncertainty

Test item	Frequency ranges	Measurement uncertainty
Radiated Emission	30MHz-1GHz	4.84dB(k=2)
	1GHz-18GHz	4.68dB(k=2)
	18GHz-40GHz	3.76dB(k=2)
Conducted Emission	150kHz-30MHz	3.00dB(k=2)

8. Test Facilities Utilized

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

Note: CAL.: Calibration

9. Test Accessory Utilized

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CAL.DUE DATE	CAL. PERIOD
1.	PC	ThinkPad T480	PF-13LW0C	Lenovo	/	/
2.	Printer	V1.0008	VNF6C12491	HP	/	/
3.	Mouse	MOEUUOA	44NY517	Lenovo	/	/

Note: CAL.: Calibration

ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission (§15.109(a))

Reference

FCC: CFR Part 15.109(a)

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator (Data transfer mode of EUT and charging mode of EUT) at a distance of 3 meters is tested. Tested in accordance with the procedures of ANSI C63.4 -2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode:

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

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

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

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

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.

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)

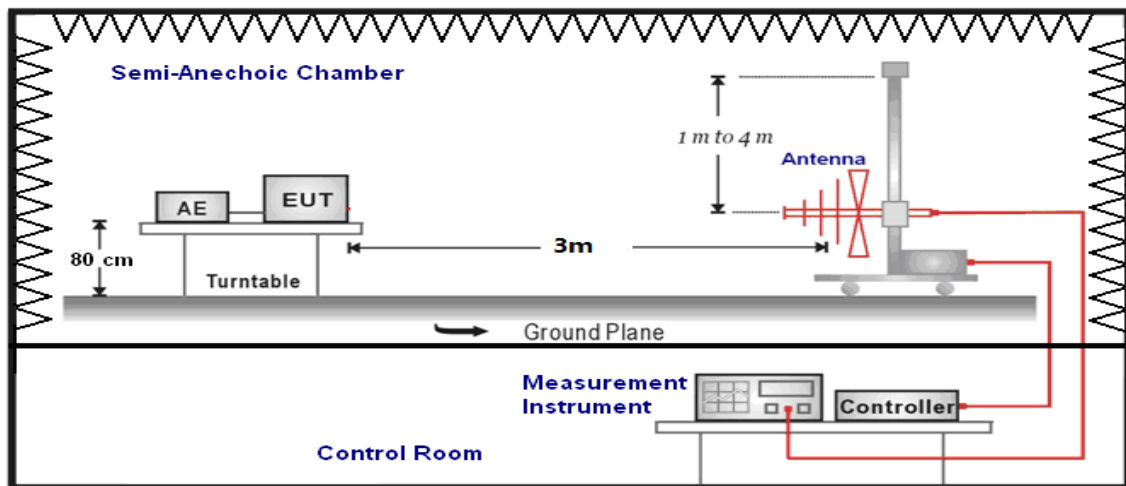
Frequency range (MHz)	Field strength limit ($\mu\text{V/m}$)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

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

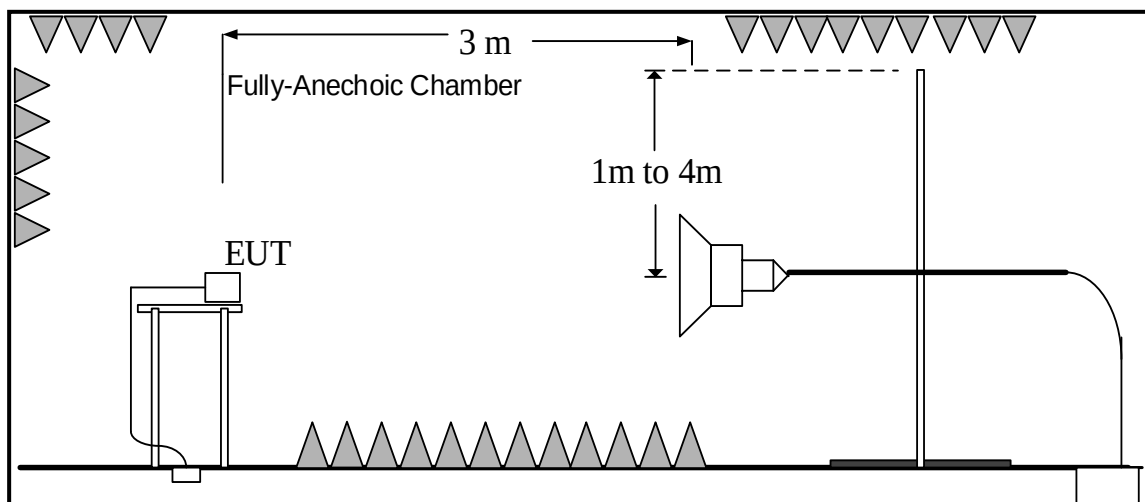
A.1.4 Test Condition

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

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



1GHz-30GHz



A.1.6 Measurement Results

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

The measurement results are obtained as described below:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

Result: Quasi-Peak(dBμV/m) / Average(dBμV/m)/Peak(dBμV/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) UT09aa/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) UT09aa/Set.1	Conclusion
1000 to 3000	54	74	See Fugure A.1.2.	P
3000 to 18000			See Fugure A.1.3.	
18000 to 26500			See Fugure A.1.4.	P
26500 to 40000			See Fugure A.1.5.	P

WCDMA Receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT09aa/Set.1	Conclusion
30-88	40.00	See Fugure A.1.6.	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) UT09aa/Set.1	Conclusion
1000 to 3000	54	74	See Fugure A.1.7.	P
3000 to 18000			See Fugure A.1.8.	
18000 to 26500			See Fugure A.1.9.	P
26500 to 40000			See Fugure A.1.10.	P

LTE Receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT09aa/Set.1	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) UT09aa/Set.1	Conclusion
1000 to 3000	54	74	See Fugure A.1.12.	P
3000 to 18000			See Fugure A.1.13.	
18000 to 26500			See Fugure A.1.14.	P
26500 to 40000			See Fugure A.1.15.	P

LTE Receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT09aa/Set.1	Conclusion
30-88	40.00	See Fugure A.1.16.	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) UT09aa/Set.1	Conclusion
1000 to 3000	54	74	See Fugure A.1.17.	P
3000 to 18000			See Fugure A.1.18.	
18000 to 26500			See Fugure A.1.19.	P
26500 to 40000			See Fugure A.1.20.	P

GSM Receiver 850MHz

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT09aa/Set.2	Conclusion
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) UT09aa/Set.2	Conclusion
1000 to 3000	54	74	See Fugure A.1.22.	P
3000 to 18000			See Fugure A.1.23.	
18000 to 26500			See Fugure A.1.24.	P
26500 to 40000			See Fugure A.1.25.	P

WCDMA Receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT09aa/Set.2	Conclusion
30-88	40.00	See Fugure A.1.26.	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) UT09aa/Set.2	Conclusion
1000 to 3000	54	74	See Fugure A.1.27.	P
3000 to 18000			See Fugure A.1.28.	
18000 to 26500			See Fugure A.1.29.	P
26500 to 40000			See Fugure A.1.30.	P

LTE Receiver Band 5

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT09aa/Set.2	Conclusion
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) UT09aa/Set.2	Conclusion
1000 to 3000	54	74	See Fugure A.1.32.	P
3000 to 18000			See Fugure A.1.33.	
18000 to 26500			See Fugure A.1.34.	P
26500 to 40000			See Fugure A.1.35.	P

LTE Receiver Band 12

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m) UT09aa/Set.2	Conclusion
30-88	40.00	See Fugure A.1.36.	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) UT09aa/Set.2	Conclusion
1000 to 3000	54	74	See Fugure A.1.37.	P
3000 to 18000			See Fugure A.1.38.	
18000 to 26500			See Fugure A.1.39.	P
26500 to 40000			See Fugure A.1.40.	P

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/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
			UT09aa/Set.5	
1000 to 3000	54	74	See Fugure A.1.42.	P
3000 to 18000			See Fugure A.1.43.	
18000 to 26500			See Fugure A.1.44.	P
26500 to 40000			See Fugure A.1.45.	P

Video Player

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.1	
30-88	40.00	See Fugure A.1.46.	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
			UT09aa/Set.1	
1000 to 3000	54	74	See Fugure A.1.47.	P
3000 to 18000			See Fugure A.1.48.	
18000 to 26500			See Fugure A.1.49.	P
26500 to 40000			See Fugure A.1.50.	P

Camera

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.1	
30-88	40.00	See Fugure A.1.51.	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
			UT09aa/Set.1	
1000 to 3000	54	74	See Fugure A.1.52.	P
3000 to 18000			See Fugure A.1.53.	
18000 to 26500			See Fugure A.1.54.	P
26500 to 40000			See Fugure A.1.55.	P

FM receiver

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.6	
30-88	40.00	See Fugure A.1.56.	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
			UT09aa/Set.6	
1000 to 3000	54	74	See Fugure A.1.57.	P
3000 to 18000			See Fugure A.1.58.	
18000 to 26500			See Fugure A.1.59.	P
26500 to 40000			See Fugure A.1.60.	P

Data Transfer: EUT to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.3	
30-88	40.00	See Fugure A.1.61.	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
			UT09aa/Set.3	
1000 to 3000	54	74	See Fugure A.1.62.	P
3000 to 18000			See Fugure A.1.63.	
18000 to 26500			See Fugure A.1.64.	P
26500 to 40000			See Fugure A.1.65.	P

Data Transfer: PC to EUT

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.3	
30-88	40.00	See Fugure A.1.66.	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
			UT09aa/Set.3	
1000 to 3000	54	74	See Fugure A.1.67.	P
3000 to 18000			See Fugure A.1.68.	
18000 to 26500			See Fugure A.1.69.	P
26500 to 40000			See Fugure A.1.70.	P

Data Transfer: PC to TF Card

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.3	
30-88	40.00	See Fugure A.1.71.	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
			UT09aa/Set.3	
1000 to 3000	54	74	See Fugure A.1.72.	P
3000 to 18000			See Fugure A.1.73.	
18000 to 26500			See Fugure A.1.74.	P
26500 to 40000			See Fugure A.1.75.	P

Data Transfer: TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.3	
30-88	40.00	See Fugure A.1.76.	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
			UT09aa/Set.3	
1000 to 3000	54	74	See Fugure A.1.77.	P
3000 to 18000			See Fugure A.1.78.	
18000 to 26500			See Fugure A.1.79.	P
26500 to 40000			See Fugure A.1.80.	P

Data Transfer: TF Card to PC

Frequency range (MHz)	Quasi-Peak Limit (dB μ V/m)	Result (dB μ V/m)	Conclusion
		UT09aa/Set.4	
30-88	40.00	See Fugure A.1.81.	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
			UT09aa/Set.4	
1000 to 3000	54	74	See Fugure A.1.82.	P
3000 to 18000			See Fugure A.1.83.	
18000 to 26500			See Fugure A.1.84.	P
26500 to 40000			See Fugure A.1.85.	P

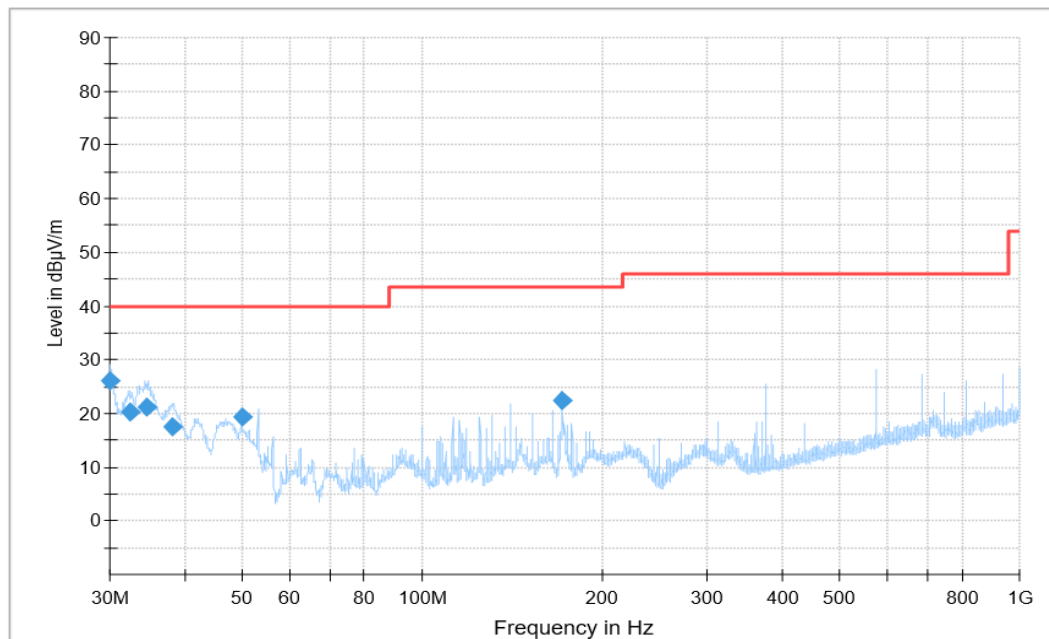


Figure A.1.1. Radiated Emission (GSM Receiver 850MHz, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBμV)
30.000000	26.02	40.00	13.98	V	-24.1	50.12
32.455556	20.17	40.00	19.83	V	-25.8	45.97
34.602222	21.34	40.00	18.66	V	-26.8	48.14
38.158889	17.43	40.00	22.57	V	-28.5	45.93
49.998889	19.35	40.00	20.65	V	-36.5	55.85
171.855556	22.48	43.50	21.02	V	-30.5	52.98

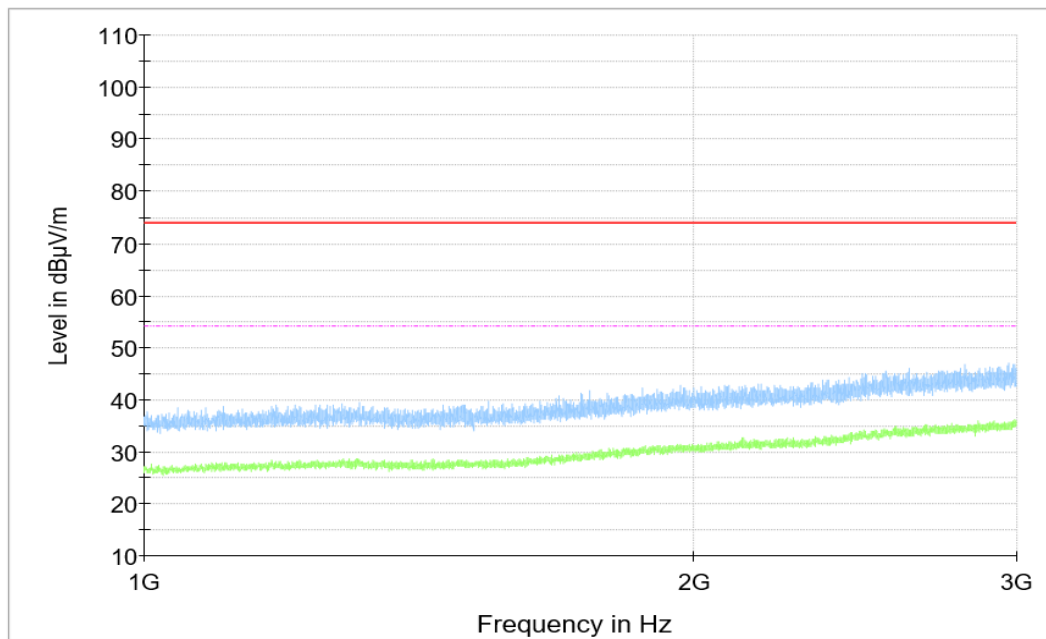


Figure A.1.2. Radiated Emission (GSM Receiver 850MHz, 1GHz to 3GHz)

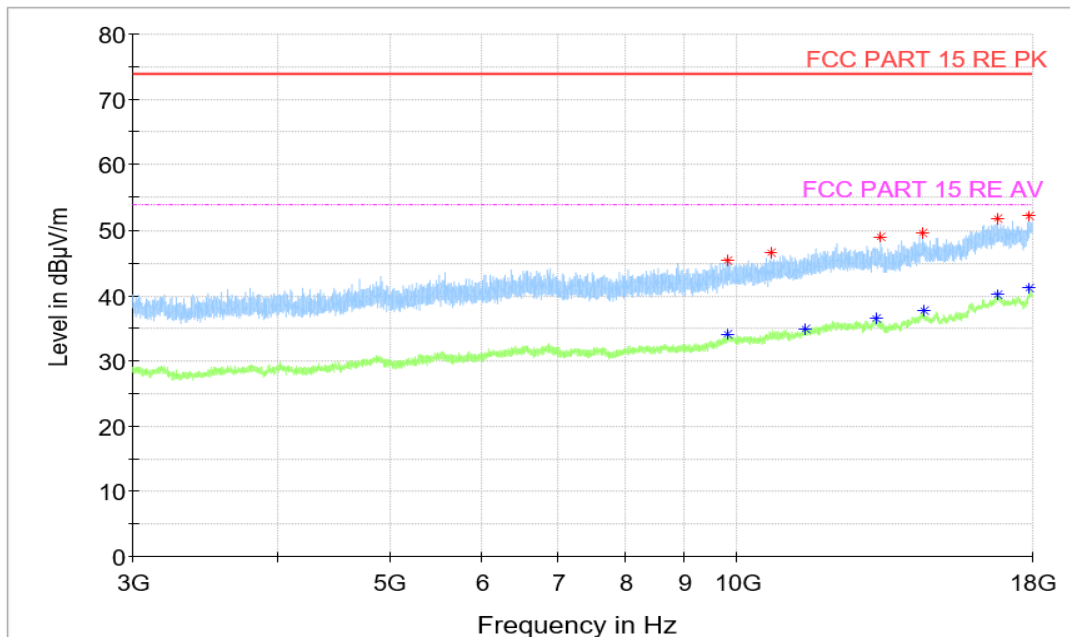


Figure A.1.3. Radiated Emission (GSM Receiver 850MHz,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBμV)
9817.000000	45.25	74.00	28.75	V	5.0	40.25
10708.500000	46.49	74.00	27.51	H	6.0	40.49
13320.000000	49.00	74.00	25.00	H	9.4	39.6
14454.500000	49.53	74.00	24.47	H	11.6	37.93
16823.000000	51.75	74.00	22.25	V	15.9	35.85
17873.000000	52.12	74.00	21.88	H	17.1	35.02

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBμV)
9798.500000	33.99	54.00	20.01	H	4.9	29.09
11455.500000	34.81	54.00	19.19	V	6.9	27.91
13192.000000	36.38	54.00	17.62	V	9.8	26.58
14491.000000	37.60	54.00	16.41	H	11.7	25.9
16781.000000	40.04	54.00	13.96	V	15.9	24.14
17911.500000	41.12	54.00	12.88	V	17.3	23.82

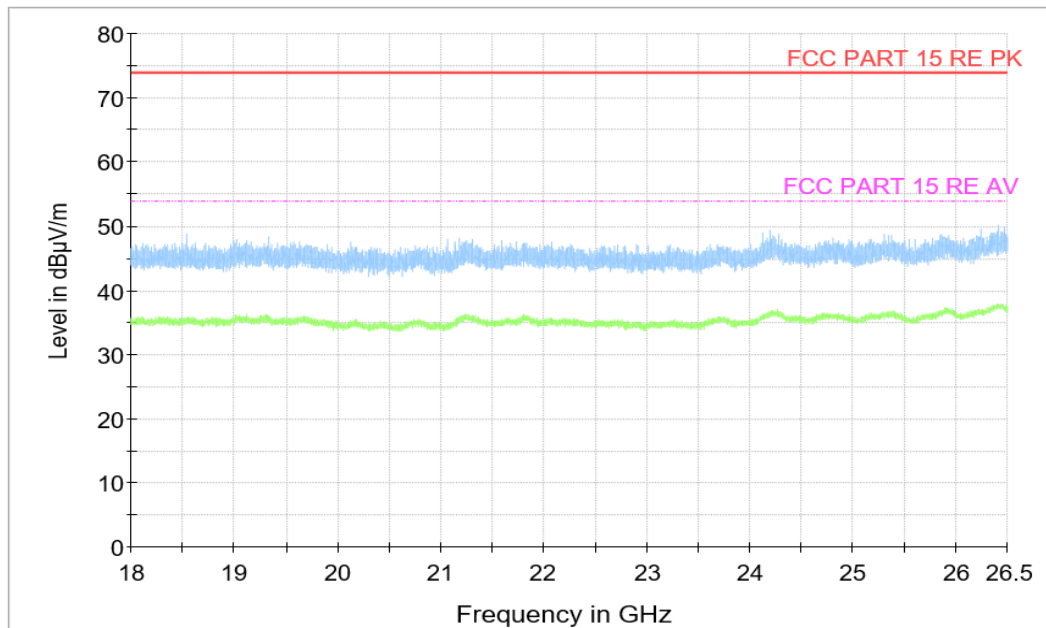


Figure A.1.4. Radiated Emission (GSM Receiver 850MHz,18GHz to 26.5GHz)

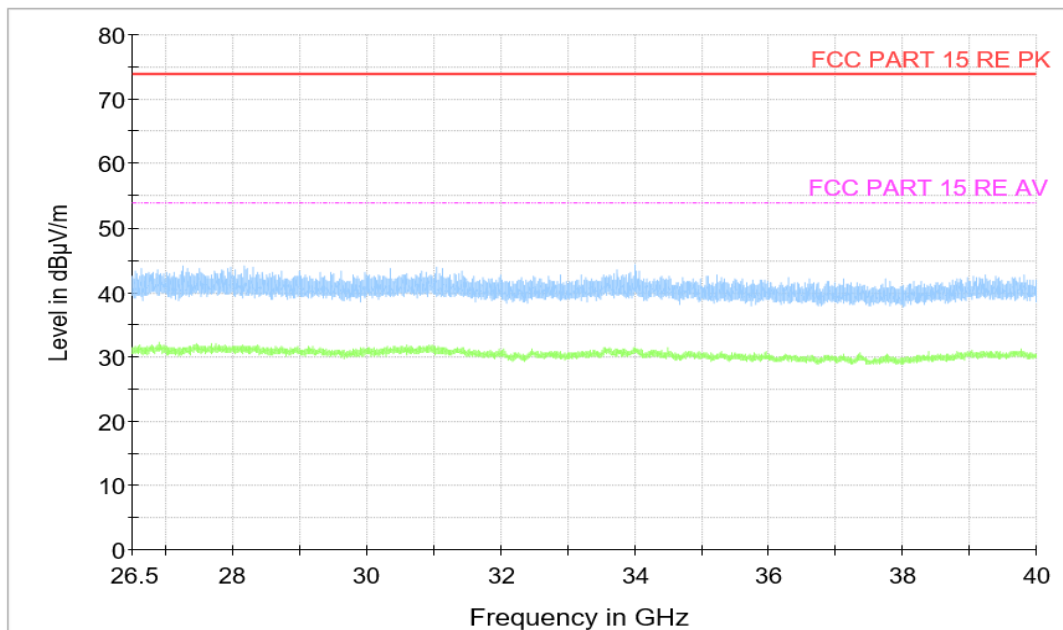


Figure A.1.5. Radiated Emission (GSM Receiver 850MHz,26.5GHz to 40GHz)

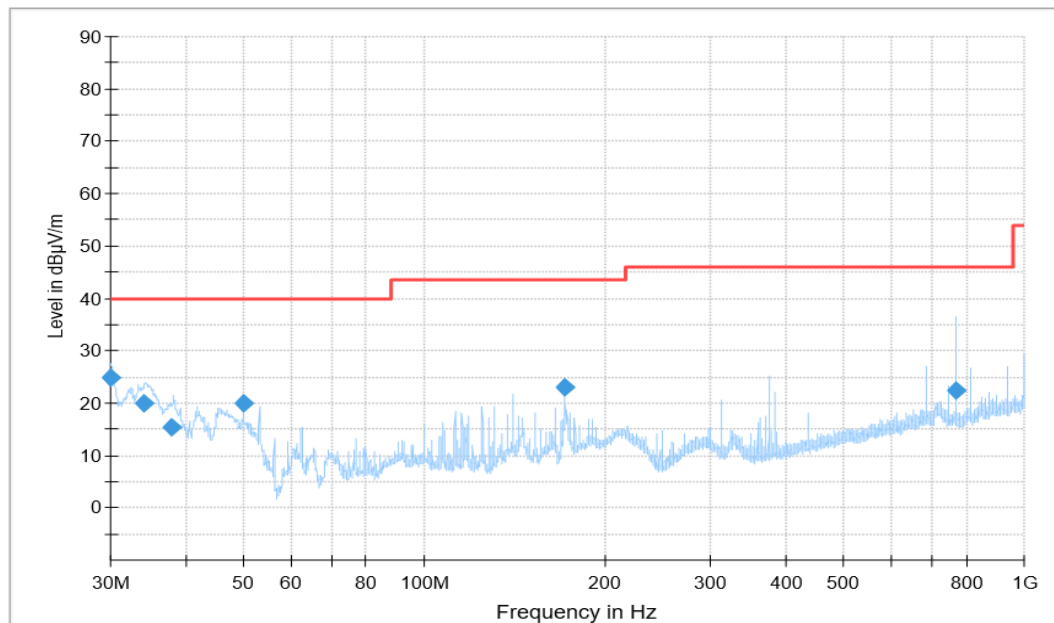


Figure A.1.6. Radiated Emission (WCDMA Receiver Band 5, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.000000	24.85	40.00	15.15	V	-24.1	48.95
34.193889	20.01	40.00	19.99	V	-26.5	46.51
37.806111	15.35	40.00	24.65	V	-28.2	43.55
49.998889	19.87	40.00	20.13	V	-36.5	56.37
171.895556	23.00	43.50	20.50	V	-30.5	53.5
767.988333	22.45	46.00	23.55	V	-19.2	41.65

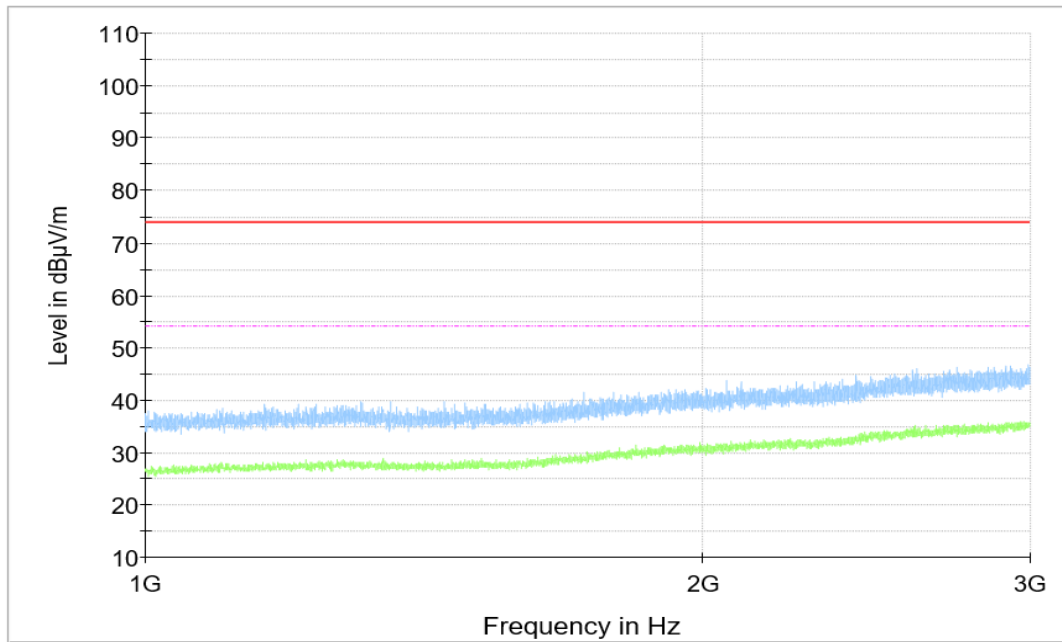


Figure A.1.7. Radiated Emission (WCDMA Receiver Band 5,1GHz to 3GHz)

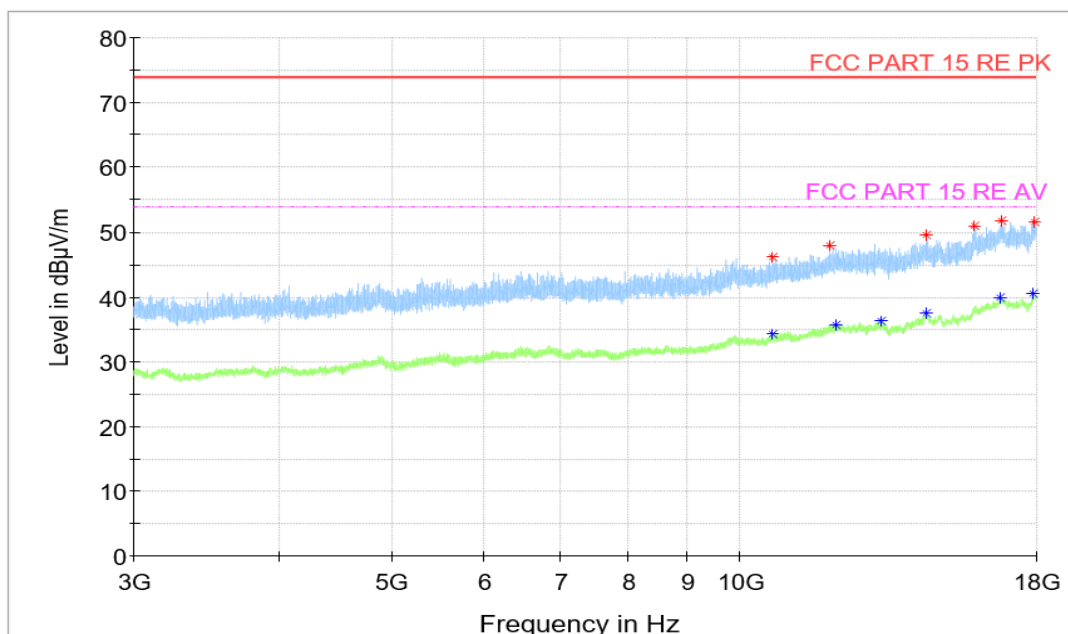


Figure A.1.8. Radiated Emission (WCDMA Receiver Band 5,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10673.000000	46.20	74.00	27.80	H	6.0	40.20
11951.000000	47.86	74.00	26.14	H	7.9	39.96
14478.000000	49.66	74.00	24.34	V	11.6	38.06
15945.000000	50.99	74.00	23.01	H	13.9	37.09
16814.000000	51.76	74.00	22.24	V	16.0	35.76
17938.500000	51.49	74.00	22.51	V	17.1	34.39

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10673.000000	34.24	54.00	19.76	V	6.0	28.24
12101.500000	35.73	54.00	18.27	V	8.2	27.53
13213.500000	36.22	54.00	17.78	H	9.8	26.42
14460.000000	37.51	54.00	16.49	V	11.8	25.71
16775.500000	39.81	54.00	14.19	V	15.7	24.11
17912.500000	40.53	54.00	13.47	H	17.3	23.23

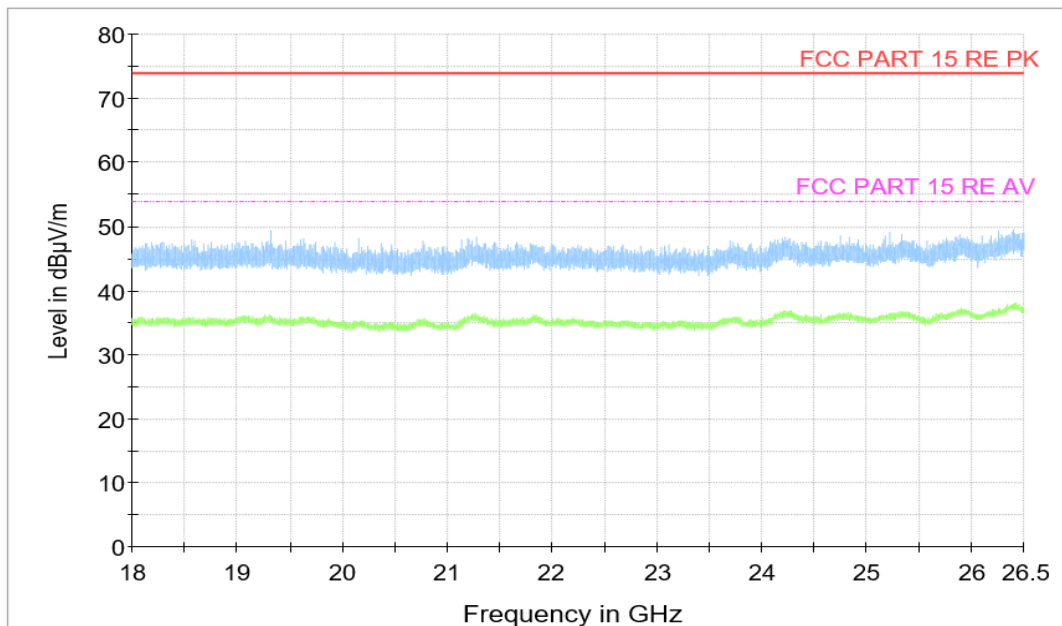


Figure A.1.9. Radiated Emission (WCDMA Receiver Band 5,18GHz to 26.5GHz)

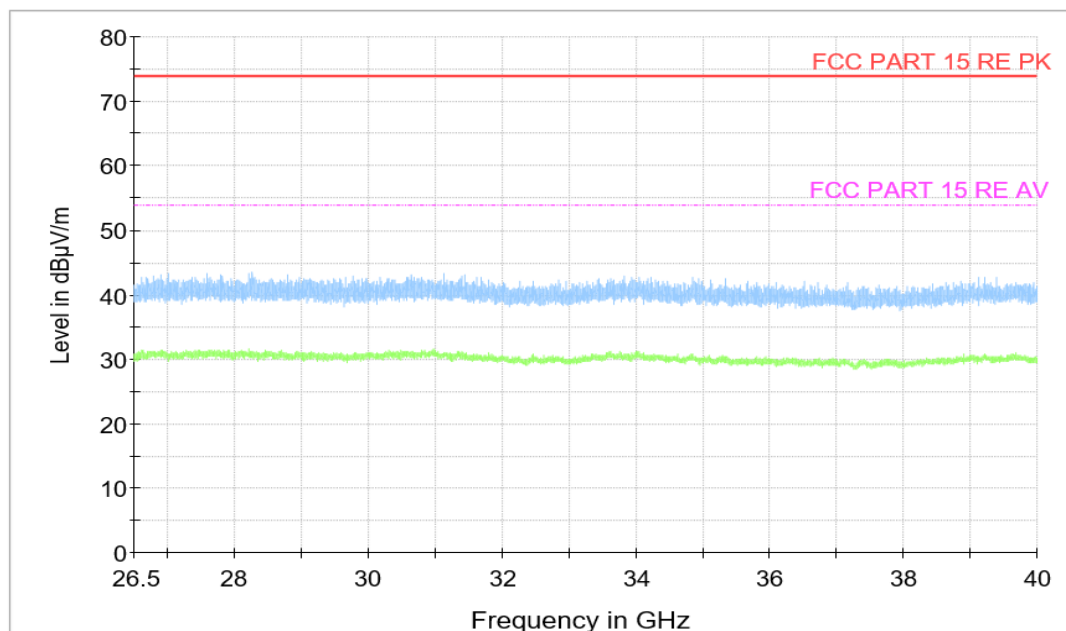


Figure A.1.10. Radiated Emission (WCDMA Receiver Band 5, 26.5GHz to 40GHz)

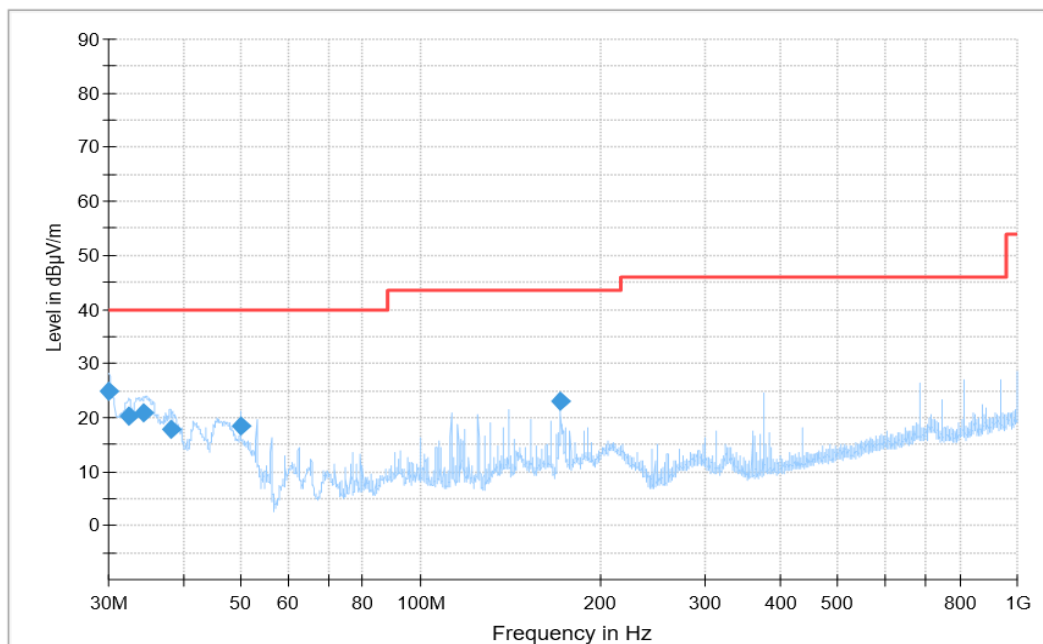


Figure A.1.11. Radiated Emission (LTE Receiver Band 5, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.000000	25.01	40.00	14.99	V	-24.1	49.11
32.378889	20.15	40.00	19.85	V	-25.8	45.95
34.388333	20.87	40.00	19.13	V	-26.7	47.57
38.249444	17.89	40.00	22.11	V	-28.5	46.39
50.012778	18.51	40.00	21.49	V	-36.5	55.01
171.895556	23.04	43.50	20.46	V	-30.5	53.54

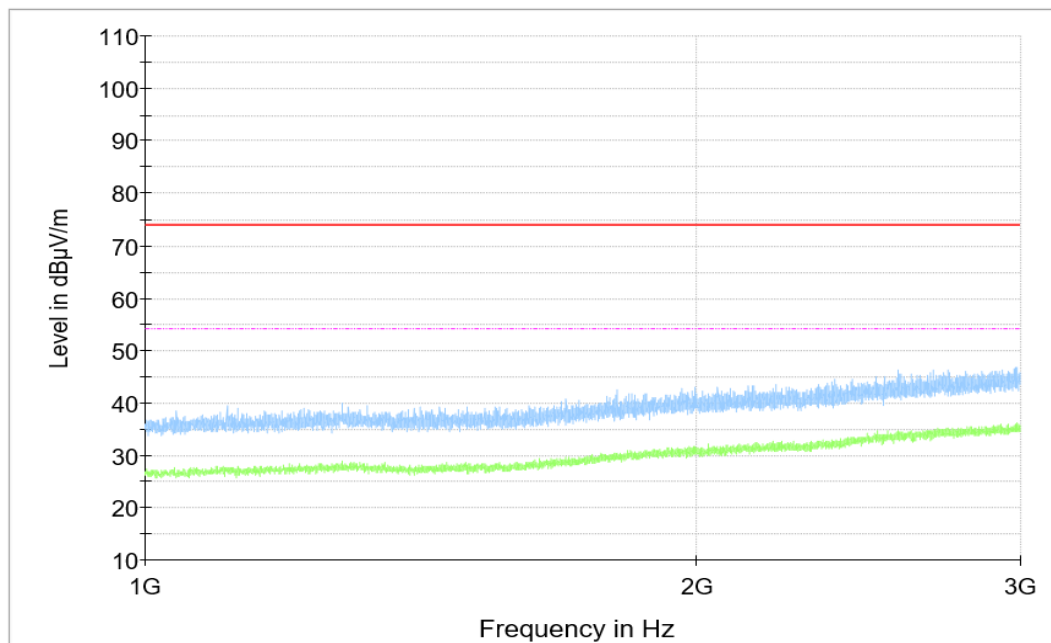


Figure A.1.12. Radiated Emission (LTE Receiver Band 5,1GHz to 3GHz)

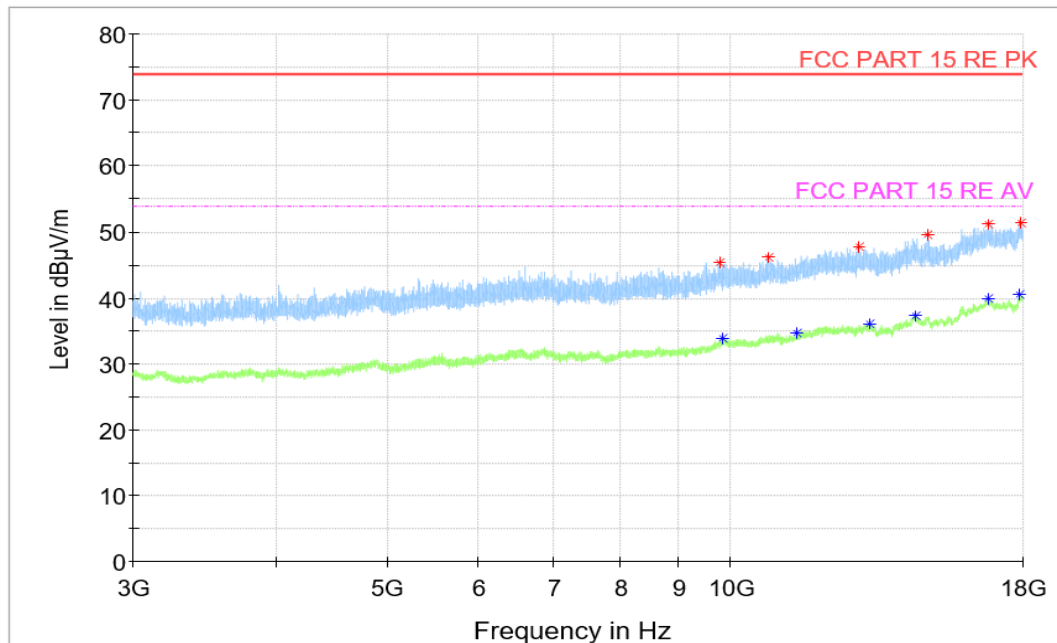


Figure A.1.13. Radiated Emission (LTE Receiver Band 5,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9775.500000	45.40	74.00	28.60	V	4.8	40.60
10786.000000	46.10	74.00	27.90	H	6.3	39.80
12964.000000	47.83	74.00	26.17	V	9.3	38.53
14865.000000	49.54	74.00	24.46	V	11.6	37.94
16800.000000	51.18	74.00	22.82	H	15.6	35.58
17922.500000	51.44	74.00	22.56	H	16.9	34.54

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9851.000000	33.75	54.00	20.25	V	5.4	28.35
11427.000000	34.59	54.00	19.41	H	6.7	27.89
13240.500000	35.99	54.00	18.01	V	9.7	26.29
14491.500000	37.36	54.00	16.64	V	11.7	25.66
16812.500000	39.88	54.00	14.12	V	15.9	23.98
17911.000000	40.58	54.00	13.42	V	17.3	23.28

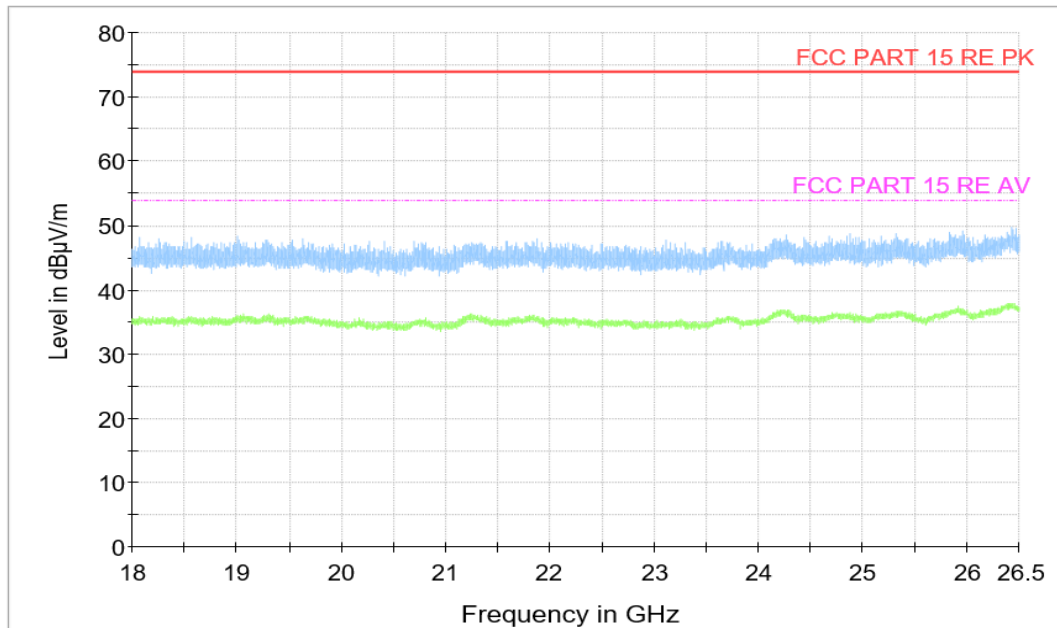


Figure A.1.14. Radiated Emission (LTE Receiver Band 5, 18GHz to 26.5GHz)

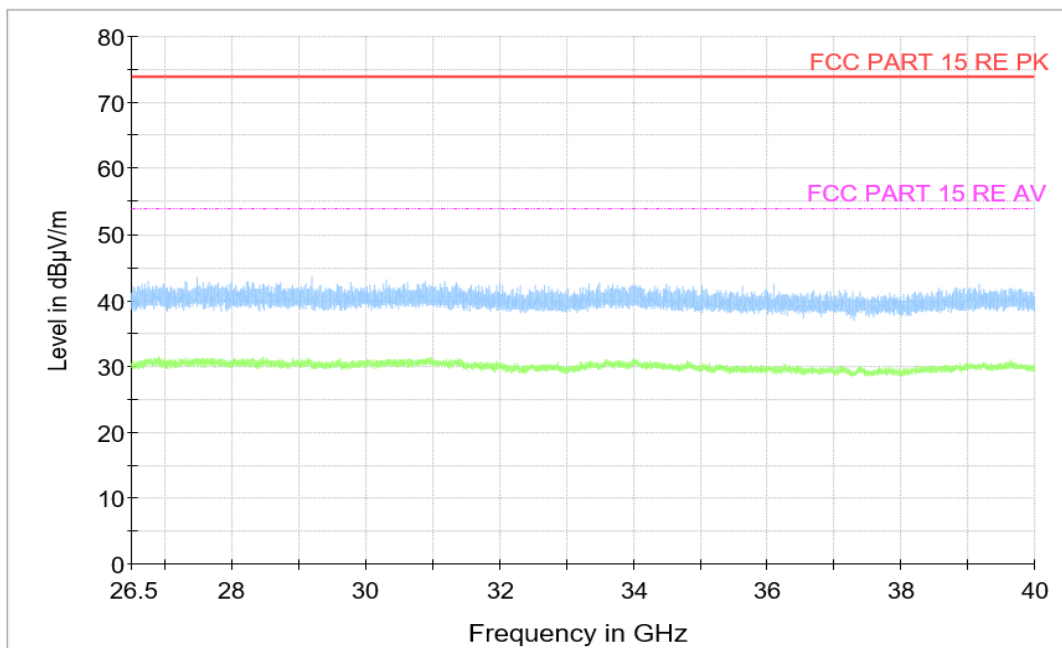


Figure A.1.15. Radiated Emission (LTE Receiver Band 5, 26.5GHz to 40GHz)

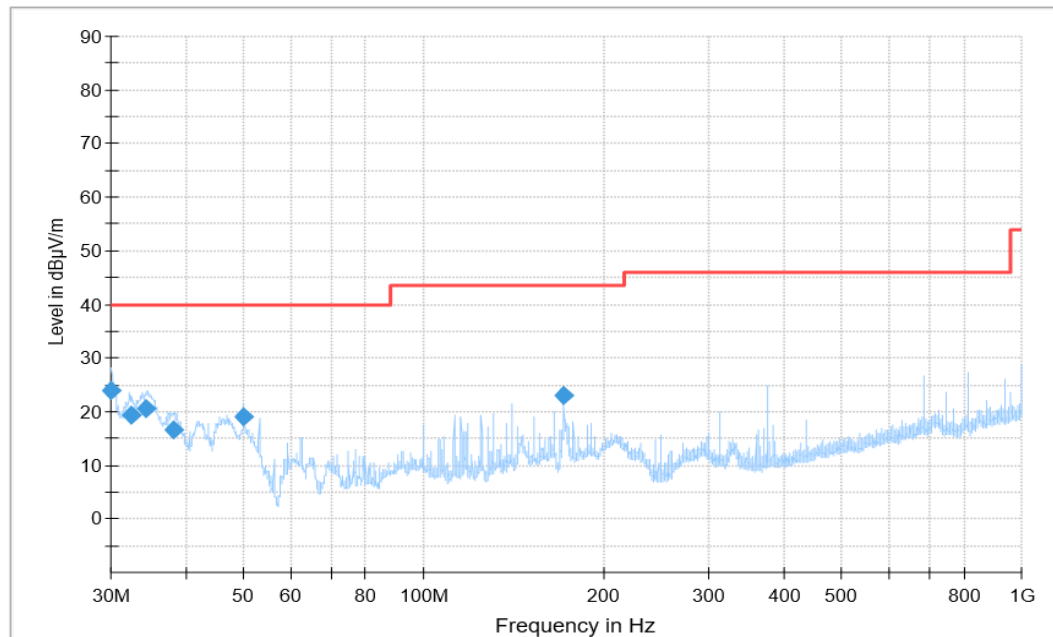


Figure A.1.16. Radiated Emission (LTE Receiver Band 12, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.000000	24.00	40.00	16.00	V	-24.1	48.10
32.483333	19.34	40.00	20.66	V	-25.8	45.14
34.372778	20.63	40.00	19.37	V	-26.7	47.33
38.212778	16.74	40.00	23.26	V	-28.5	45.24
50.012778	19.04	40.00	20.96	V	-36.5	55.54
171.895556	23.07	43.50	20.43	V	-30.5	53.57

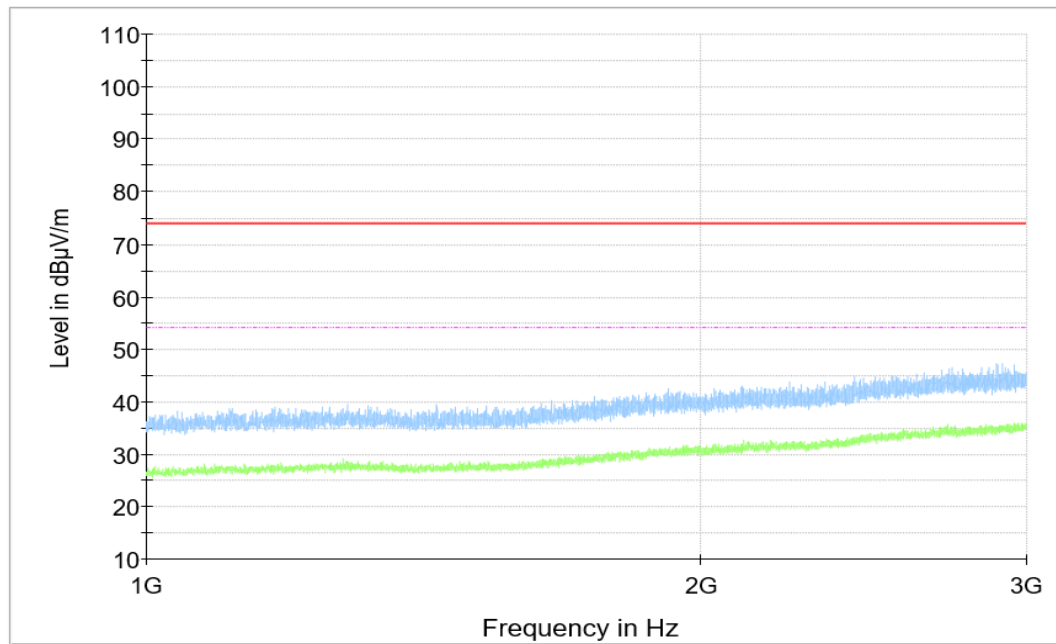


Figure A.1.17. Radiated Emission (LTE Receiver Band 12,1GHz to 3GHz)

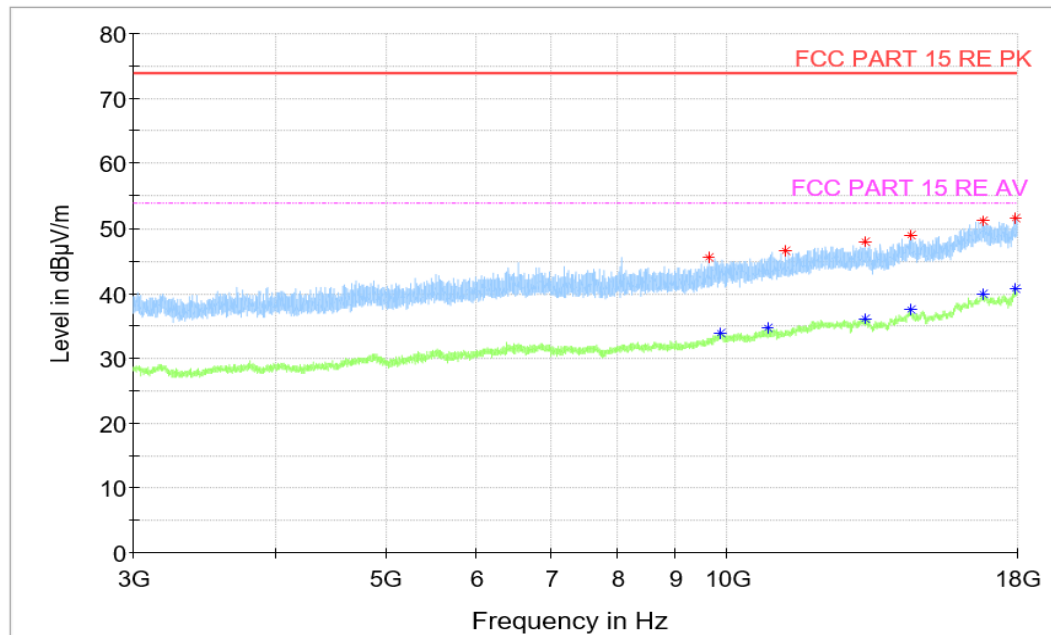


Figure A.1.18. Radiated Emission (LTE Receiver Band 12,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9630.000000	45.64	74.00	28.36	V	4.3	41.34
11248.000000	46.61	74.00	27.39	H	6.1	40.51
13242.000000	47.93	74.00	26.07	H	9.8	38.13
14491.000000	48.97	74.00	25.03	V	11.7	37.27
16816.000000	51.14	74.00	22.86	V	16.0	35.14
17940.500000	51.67	74.00	22.33	V	17.2	34.47

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9874.000000	33.92	54.00	20.08	H	5.2	28.72
10853.500000	34.72	54.00	19.28	H	6.5	28.22
13213.500000	36.17	54.00	17.83	H	9.8	26.37
14497.500000	37.43	54.00	16.57	V	11.7	25.73
16788.000000	39.88	54.00	14.12	H	15.8	24.08
17952.000000	40.61	54.00	13.39	H	17.1	23.51

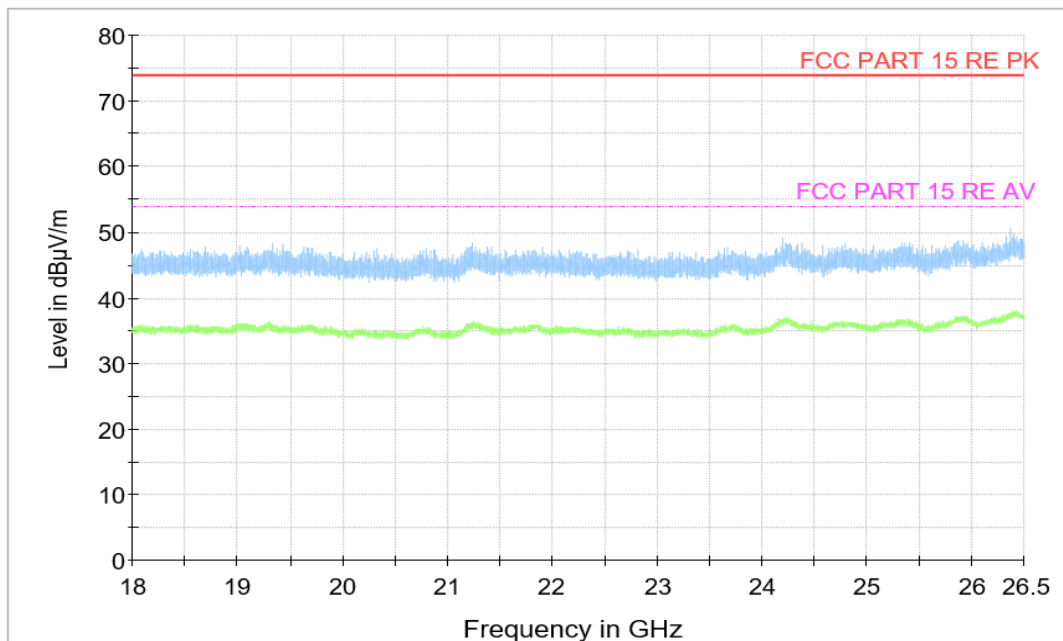


Figure A.1.19. Radiated Emission (LTE Receiver Band 12 ,18GHz to 26.5GHz)

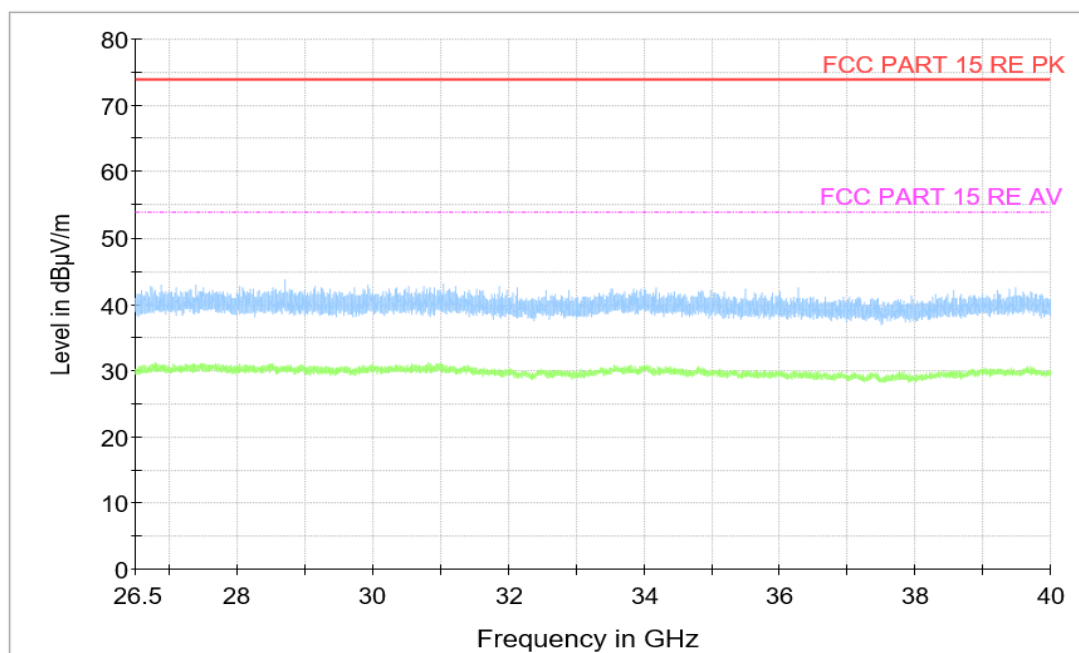


Figure A.1.20. Radiated Emission (LTE Receiver Band 12, 26.5GHz to 40GHz)

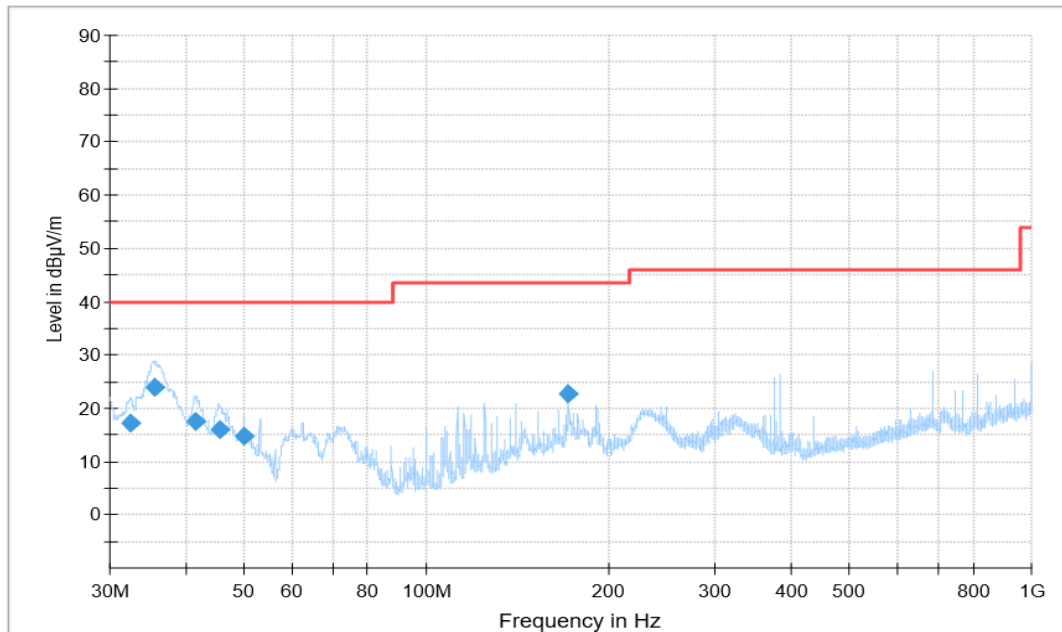


Figure A.1.21. Radiated Emission (GSM Receiver 850MHz, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	P _{Mea} (dBμV)
32.445000	17.25	40.00	22.75	V	-25.8	43.05
35.662778	23.97	40.00	16.03	V	-27.3	51.27
41.562778	17.62	40.00	22.38	V	-30.0	47.62
45.618333	15.95	40.00	24.05	V	-33.0	48.95
50.012778	14.88	40.00	25.12	V	-36.5	51.38
171.895556	22.73	43.50	20.77	V	-30.5	53.23

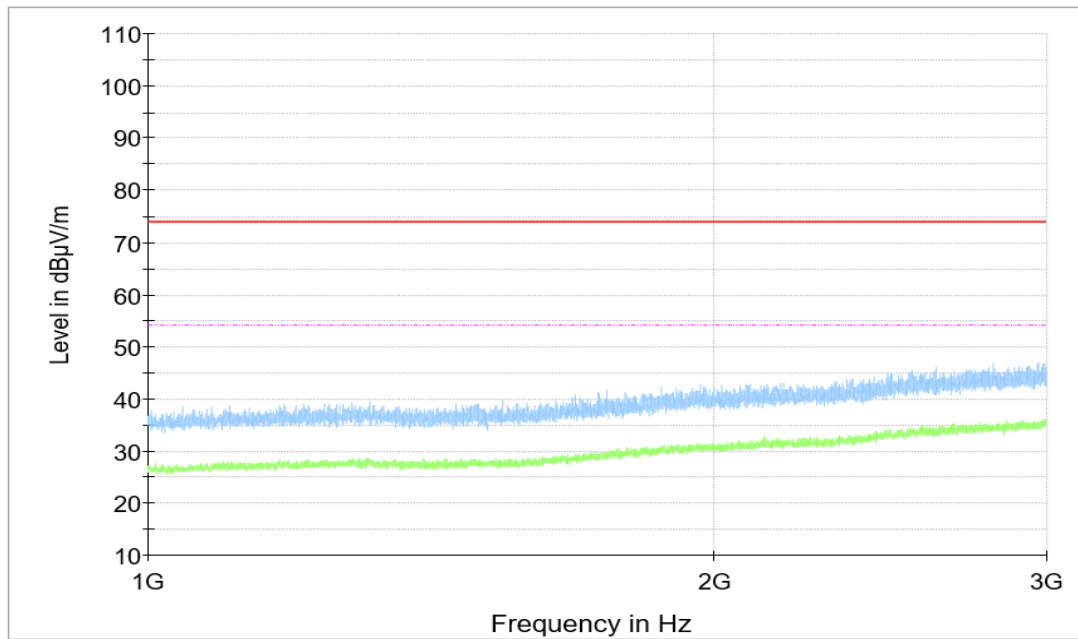


Figure A.1.22. Radiated Emission (GSM Receiver 850MHz,1GHz to 3GHz)

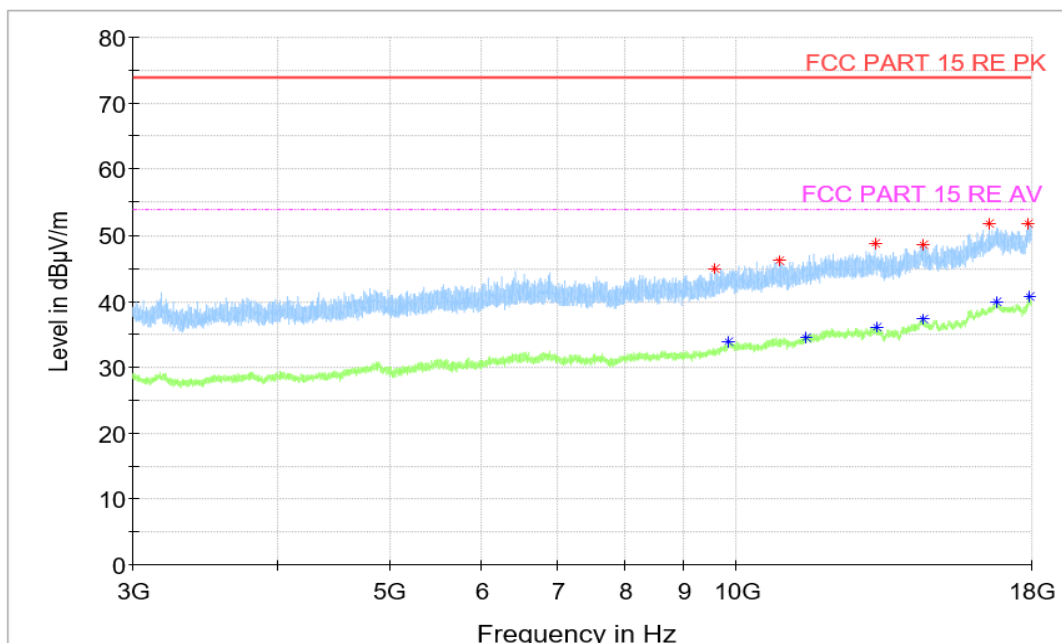


Figure A.1.23. Radiated Emission (GSM Receiver 850MHz,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBμV)
9566.000000	44.93	74.00	29.07	V	4.0	40.93
10881.000000	46.20	74.00	27.80	H	6.3	39.9
13191.500000	48.73	74.00	25.27	H	9.8	38.93
14503.500000	48.66	74.00	25.34	H	11.7	36.96
16560.500000	51.69	74.00	22.31	H	15.3	36.39
17876.000000	51.73	74.00	22.27	V	17.0	34.73

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	P _{Mea} (dBμV)
9842.000000	33.77	54.00	20.23	H	5.1	28.67
11482.500000	34.55	54.00	19.45	H	6.8	27.75
13217.000000	36.09	54.00	17.91	H	9.9	26.19
14497.500000	37.34	54.00	16.66	H	11.7	25.64
16781.500000	39.86	54.00	14.14	V	15.9	23.96
17939.000000	40.68	54.00	13.32	H	17.1	23.58

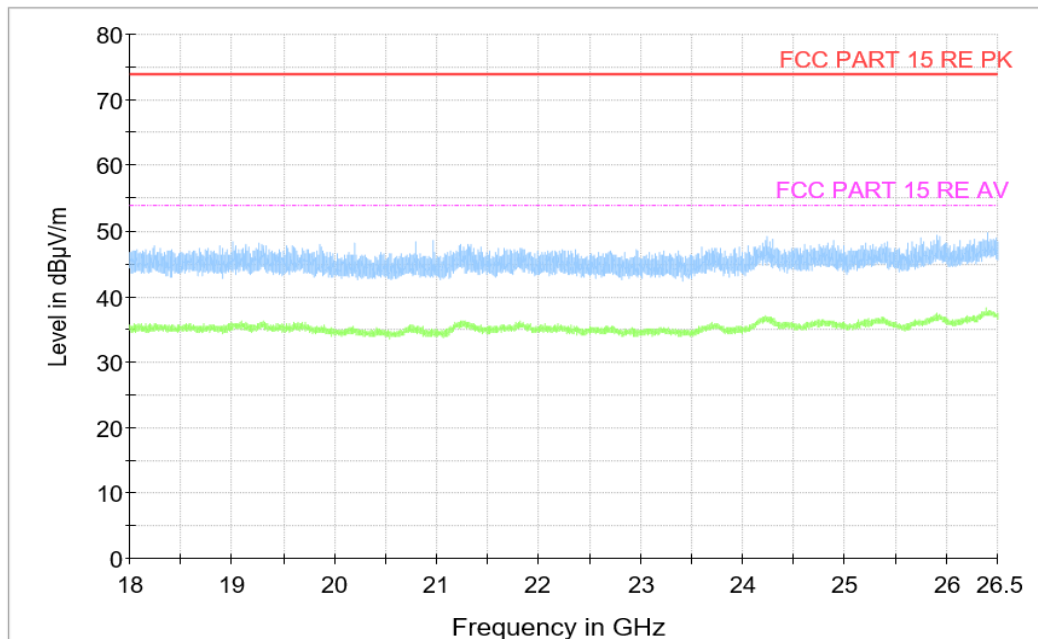


Figure A.1.24. Radiated Emission (GSM Receiver 850MHz,18GHz to 26.5GHz)

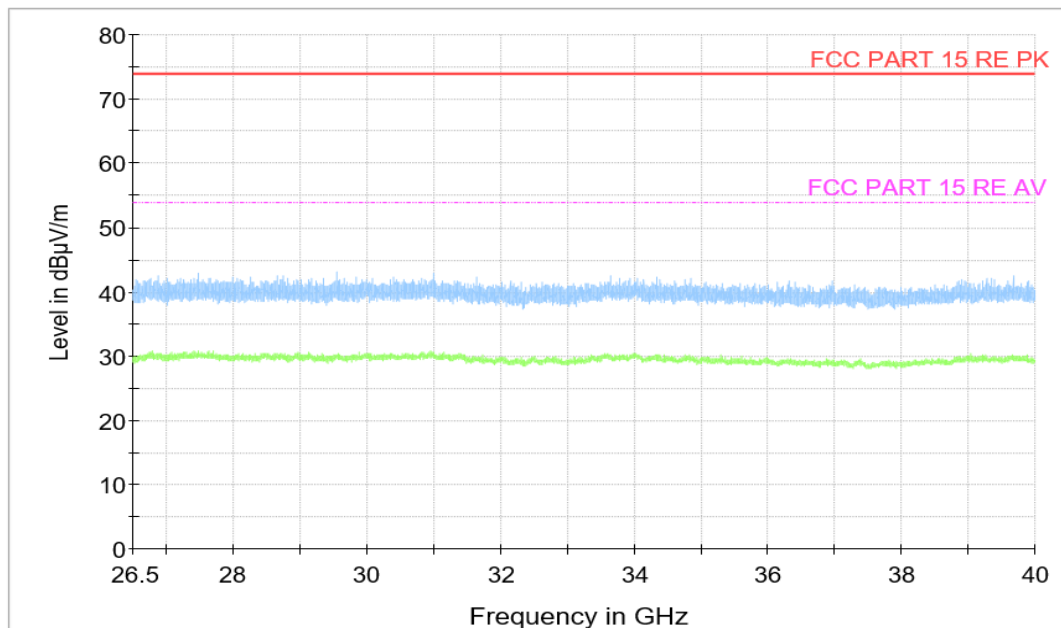


Figure A.1.25. Radiated Emission (GSM Receiver 850MHz,26.5GHz to 40GHz)

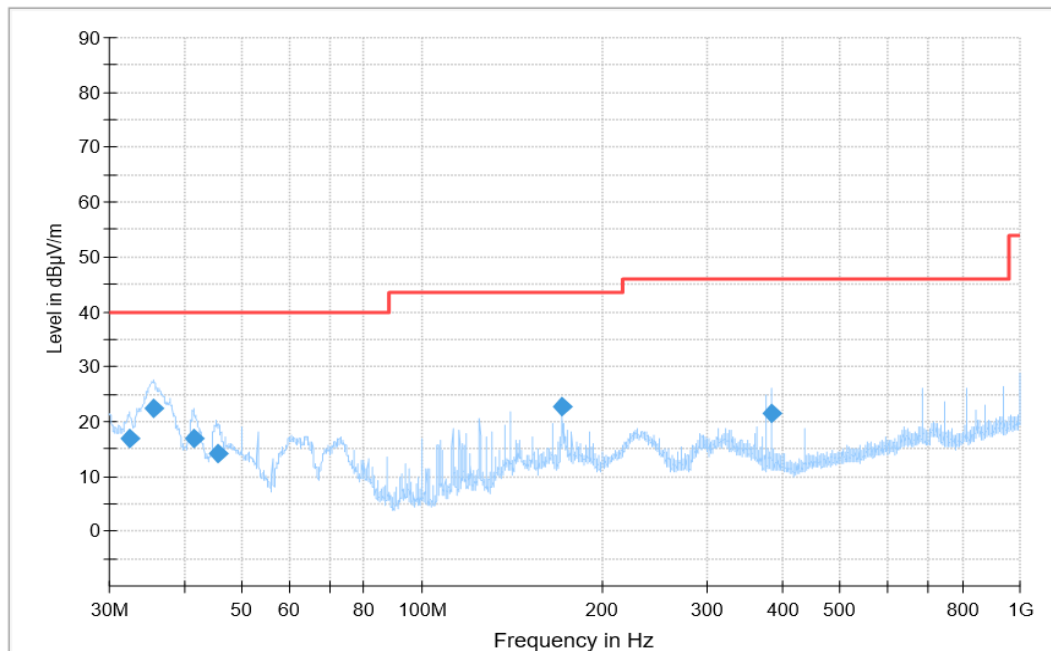


Figure A.1.26. Radiated Emission (WCDMA Receiver Band 5, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
32.455556	16.89	40.00	23.11	V	-25.8	42.69
35.650556	22.56	40.00	17.44	V	-27.3	49.86
41.470556	17.05	40.00	22.95	V	-30.0	47.05
45.660000	14.21	40.00	25.79	V	-33.0	47.21
171.895556	22.63	43.50	20.87	V	-30.5	53.13
383.976111	21.55	46.00	24.45	H	-26.6	48.15

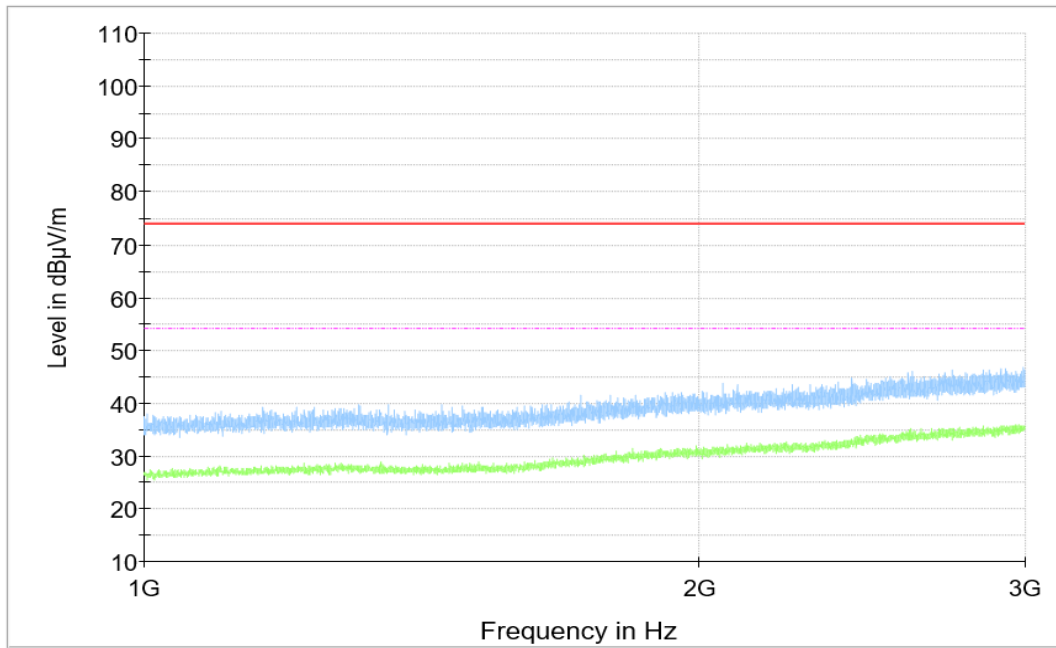


Figure A.1.27. Radiated Emission (WCDMA Receiver Band 5,1GHz to 3GHz)

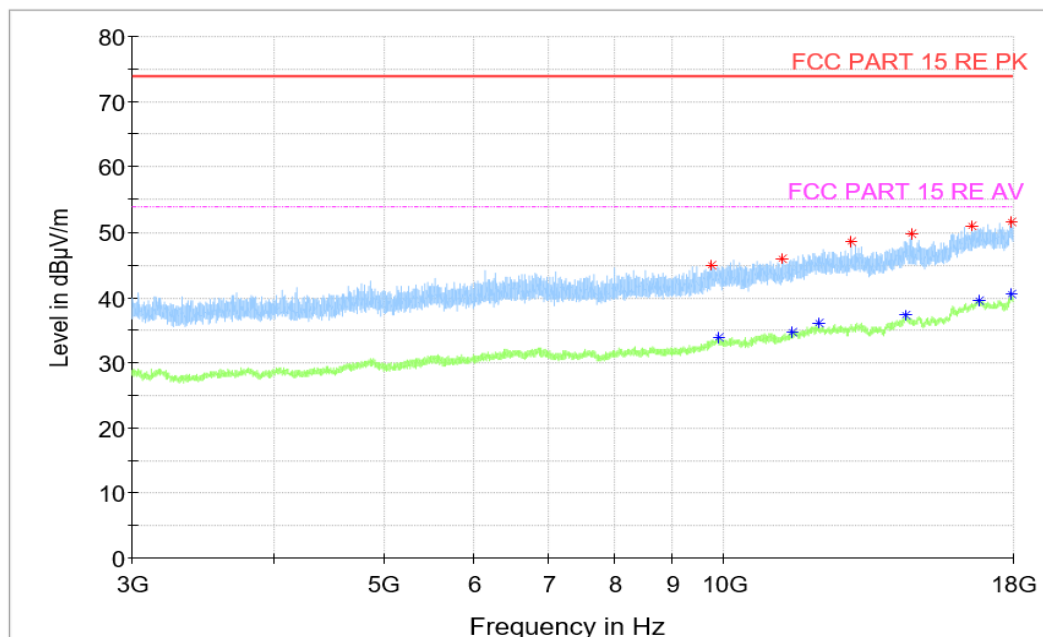


Figure A.1.28. Radiated Emission (WCDMA Receiver Band 5,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9754.500000	45.01	74.00	28.99	V	4.8	40.21
11261.000000	45.88	74.00	28.12	H	5.9	39.98
12960.500000	48.53	74.00	25.47	V	9.2	39.33
14622.000000	49.81	74.00	24.19	H	11.6	38.21
16569.000000	50.93	74.00	23.07	V	15.2	35.73
17920.000000	51.68	74.00	22.32	V	17.0	34.68

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9885.500000	33.80	54.00	20.20	H	5.3	28.50
11492.000000	34.68	54.00	19.32	H	7.0	27.68
12129.500000	36.07	54.00	17.93	H	8.4	27.67
14463.500000	37.20	54.00	16.80	V	11.7	25.5
16778.500000	39.55	54.00	14.45	H	15.8	23.75
17943.000000	40.44	54.00	13.56	V	17.3	23.14

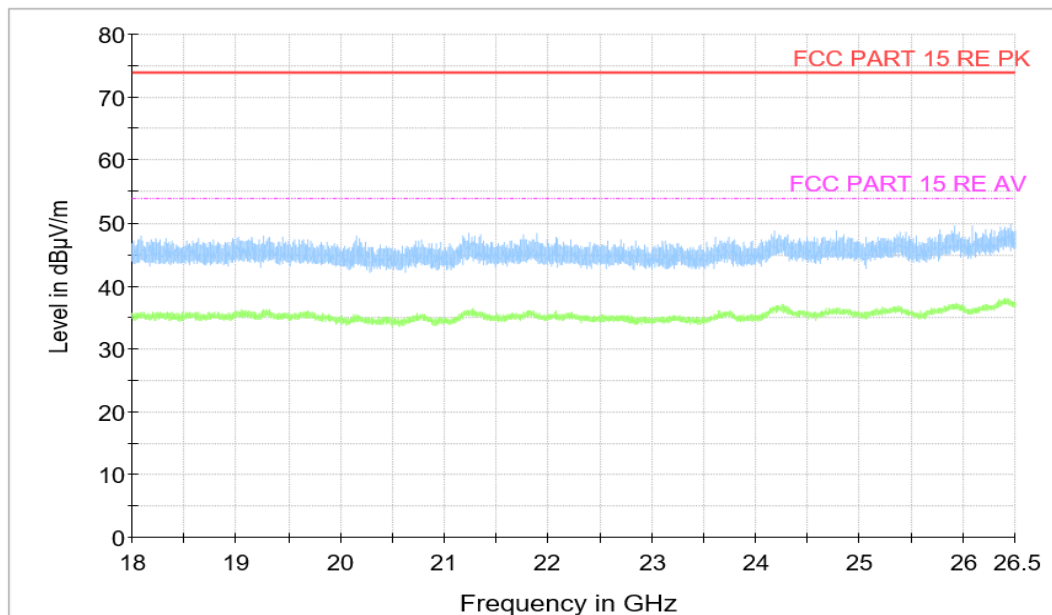


Figure A.1.29. Radiated Emission (WCDMA Receiver Band 5,18GHz to 26.5GHz)

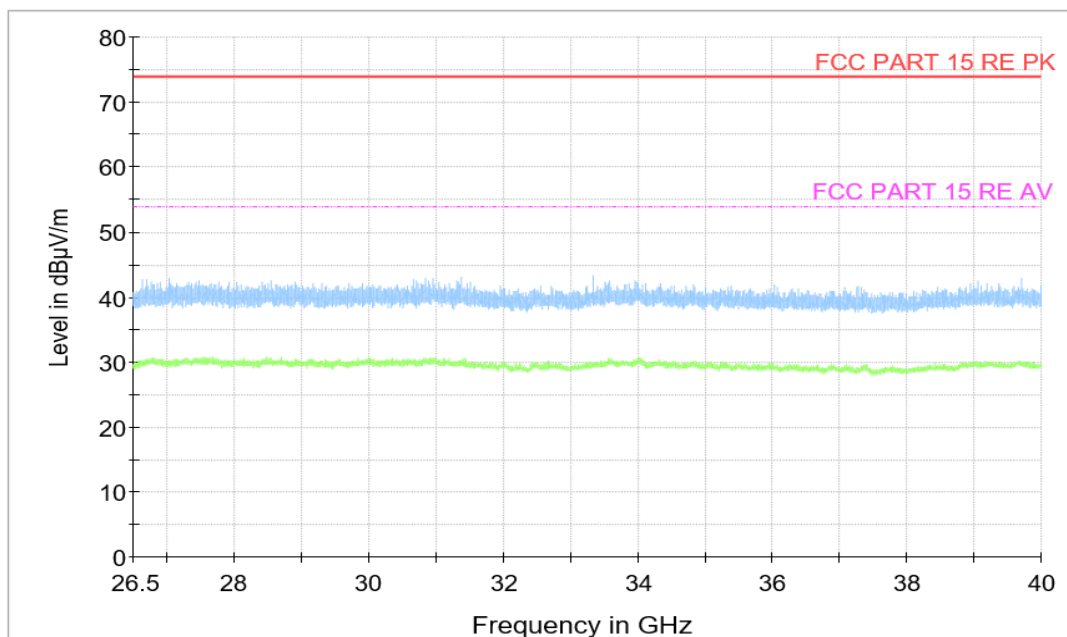


Figure A.1.30. Radiated Emission (WCDMA Receiver Band 5, 26.5GHz to 40GHz)

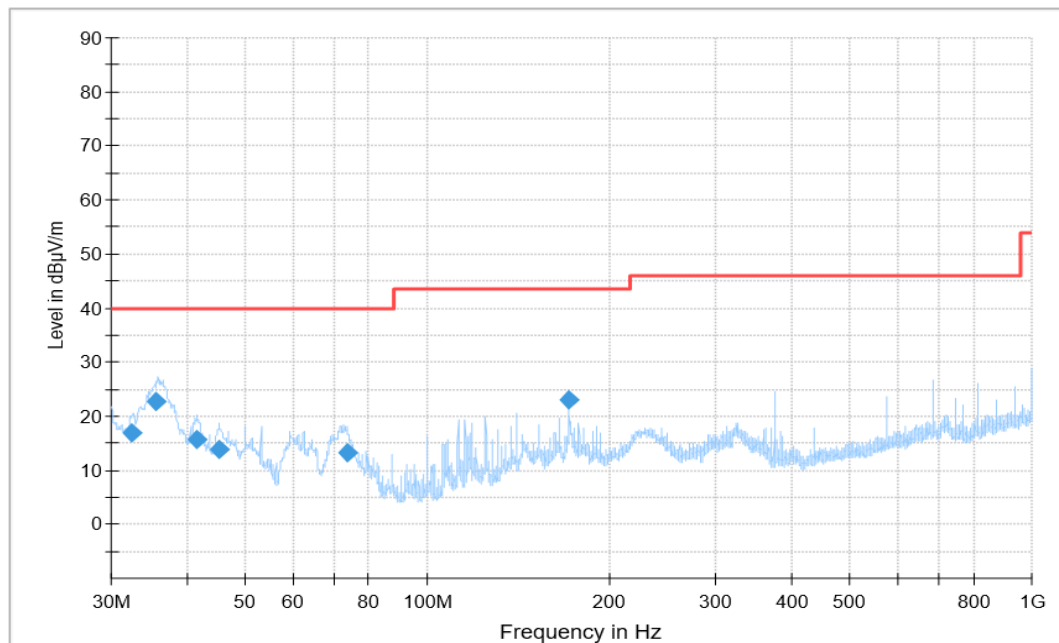


Figure A.1.31. Radiated Emission (LTE Receiver Band 5, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
32.406667	16.82	40.00	23.18	V	-25.8	42.62
35.627778	22.87	40.00	17.13	V	-27.3	50.17
41.472222	15.62	40.00	24.38	V	-30.0	45.62
45.296667	13.92	40.00	26.08	V	-32.7	46.62
73.736111	13.17	40.00	26.83	V	-33.7	46.87
171.895556	22.88	43.50	20.62	V	-30.5	53.38

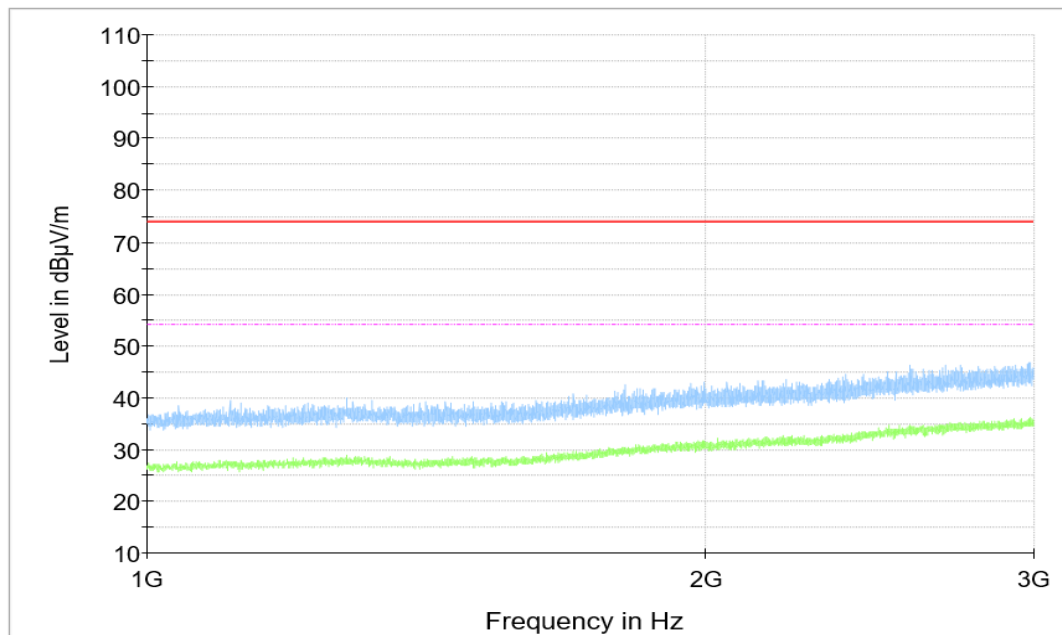


Figure A.1.32. Radiated Emission (LTE Receiver Band 5, 1GHz to 3GHz)

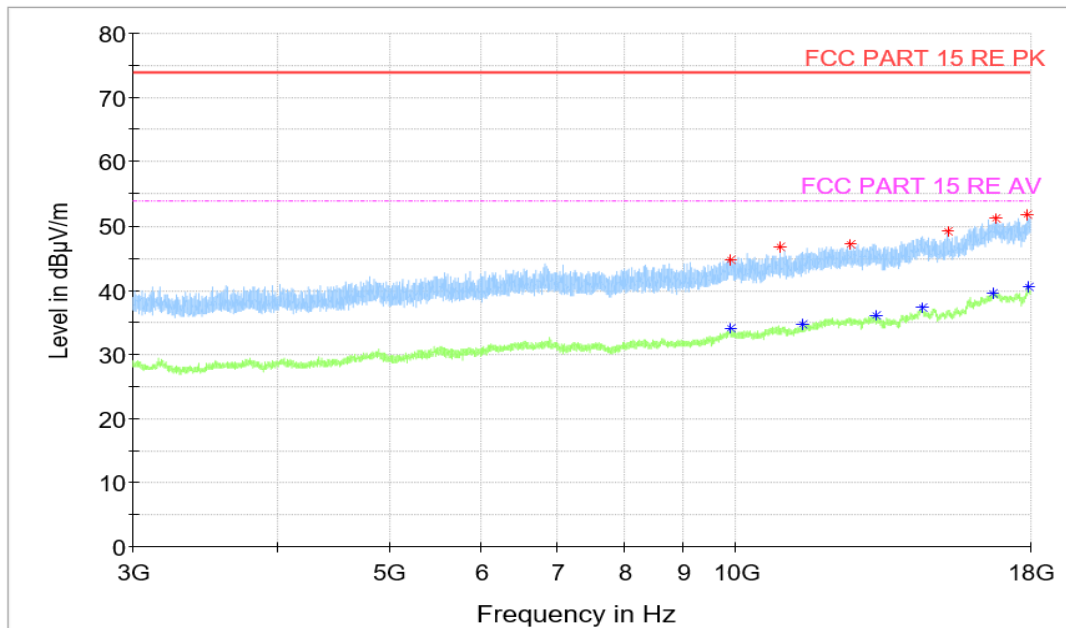


Figure A.1.33. Radiated Emission (LTE Receiver Band 5,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9891.000000	44.71	74.00	29.29	H	5.3	39.41
10936.500000	46.66	74.00	27.34	H	6.3	40.36
12587.500000	47.23	74.00	26.77	H	8.5	38.73
15247.500000	49.08	74.00	24.92	H	11.8	37.28
16821.500000	51.13	74.00	22.87	H	15.9	35.23
17915.000000	51.80	74.00	22.20	V	17.2	34.60

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9882.000000	34.15	54.00	19.85	H	5.4	28.75
11422.500000	34.66	54.00	19.34	H	6.7	27.96
13218.000000	36.02	54.00	17.98	H	9.9	26.12
14503.500000	37.25	54.00	16.75	H	11.7	25.55
16727.500000	39.56	54.00	14.44	V	15.4	24.16
17957.500000	40.50	54.00	13.50	H	17.0	23.50

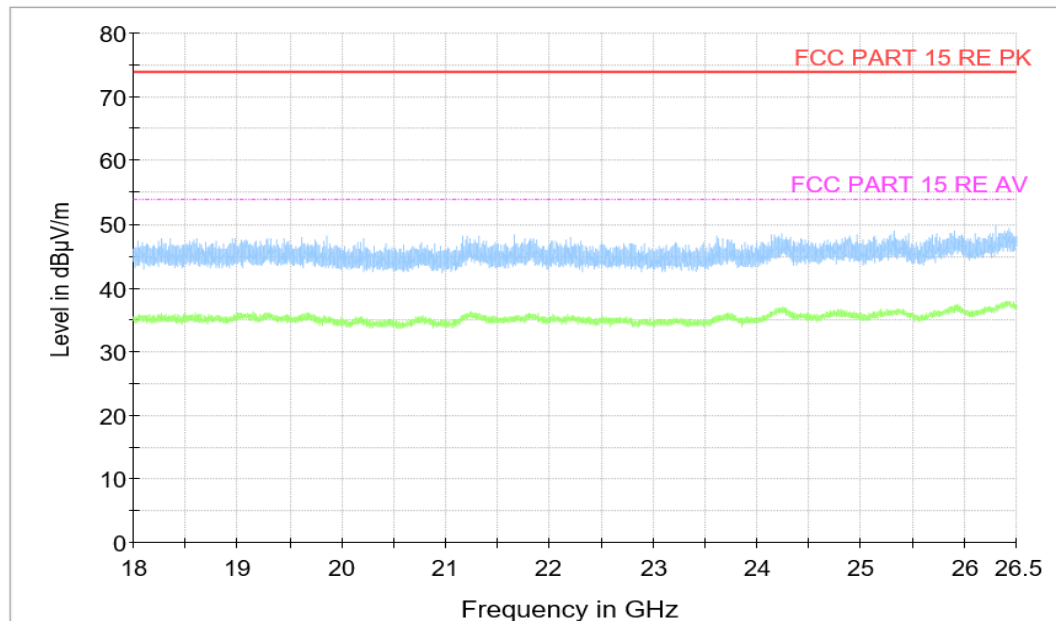


Figure A.1.34. Radiated Emission (LTE Receiver Band 5, 18GHz to 26.5GHz)

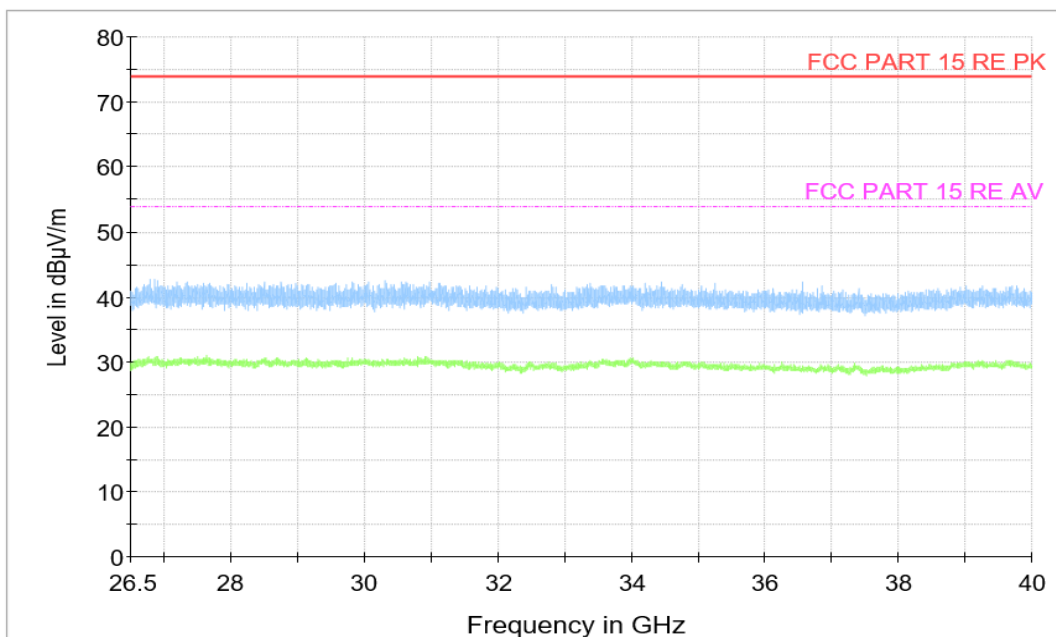


Figure A.1.35. Radiated Emission (LTE Receiver Band 5, 26.5GHz to 40GHz)

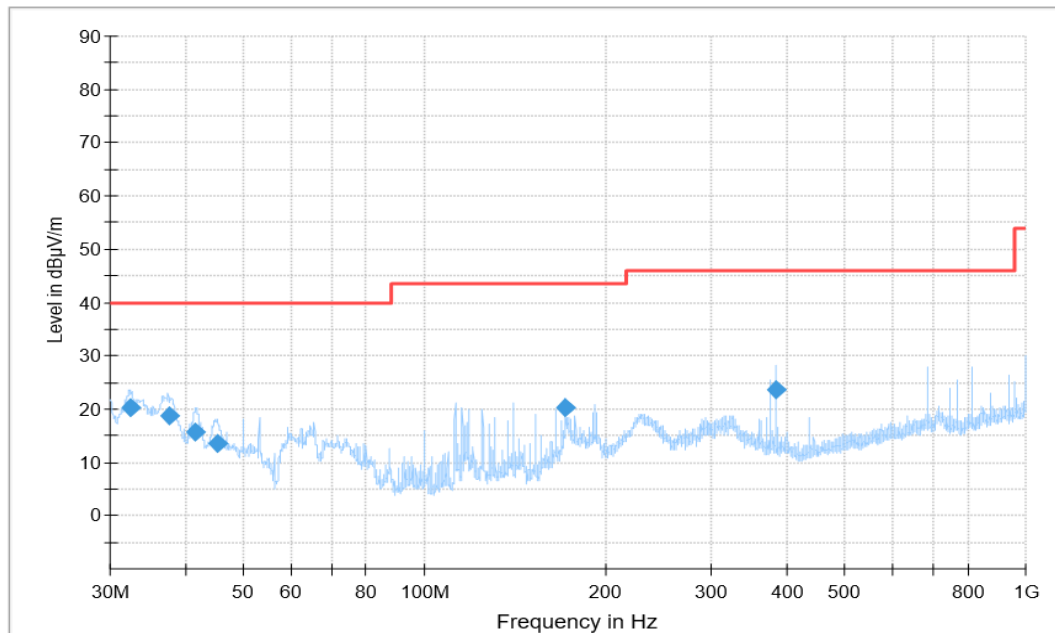


Figure A.1.36. Radiated Emission (LTE Receiver Band 12, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
32.469444	20.19	40.00	19.81	V	-25.8	45.99
37.510556	18.78	40.00	21.22	V	-28.0	46.78
41.527778	15.77	40.00	24.23	V	-30.0	45.77
45.162778	13.57	40.00	26.43	V	-32.6	46.17
171.895556	20.32	43.50	23.18	V	-30.5	50.82
383.976111	23.75	46.00	22.25	V	-26.6	50.35

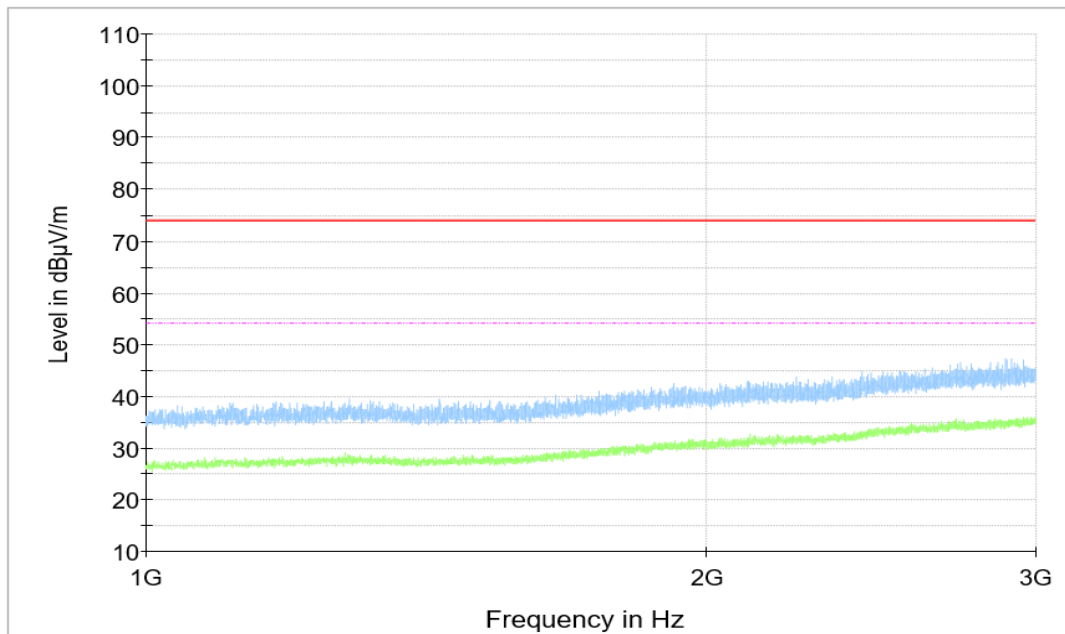


Figure A.1.37. Radiated Emission (LTE Receiver Band 12,1GHz to 3GHz)

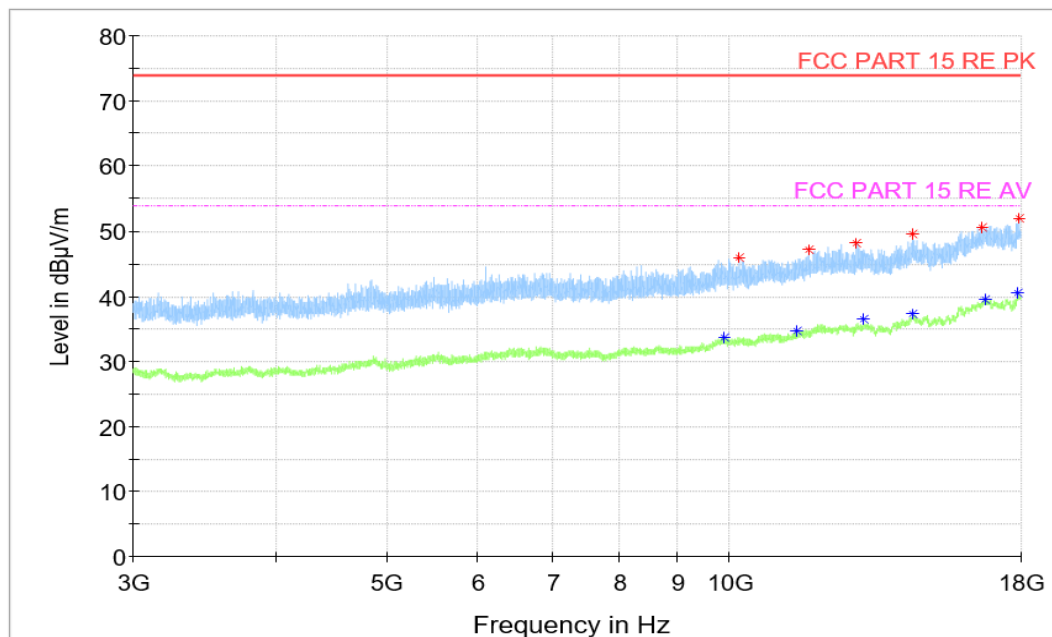


Figure A.1.38. Radiated Emission (LTE Receiver Band 12,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10198.000000	45.86	74.00	28.14	H	5.3	40.56
11748.000000	47.08	74.00	26.92	H	7.4	39.68
12916.000000	48.11	74.00	25.89	H	9.5	38.61
14485.000000	49.62	74.00	24.38	V	11.7	37.92
16663.000000	50.63	74.00	23.37	V	15.3	35.33
17933.500000	51.90	74.00	22.10	H	16.9	35.00

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9886.000000	33.68	54.00	20.32	H	5.3	28.38
11453.500000	34.74	54.00	19.26	H	6.8	27.94
13097.000000	36.37	54.00	17.63	H	9.8	26.57
14471.000000	37.22	54.00	16.78	H	11.6	25.62
16745.000000	39.57	54.00	14.43	H	15.6	23.97
17909.500000	40.48	54.00	13.52	H	17.4	23.08

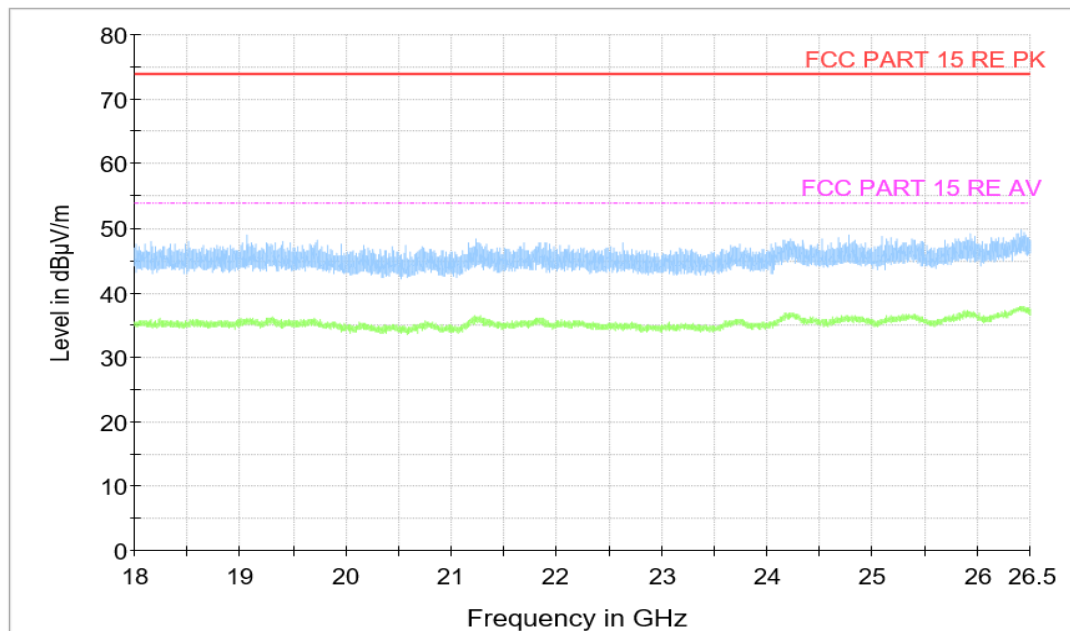


Figure A.1.39. Radiated Emission (LTE Receiver Band 12 ,18GHz to 26.5GHz)

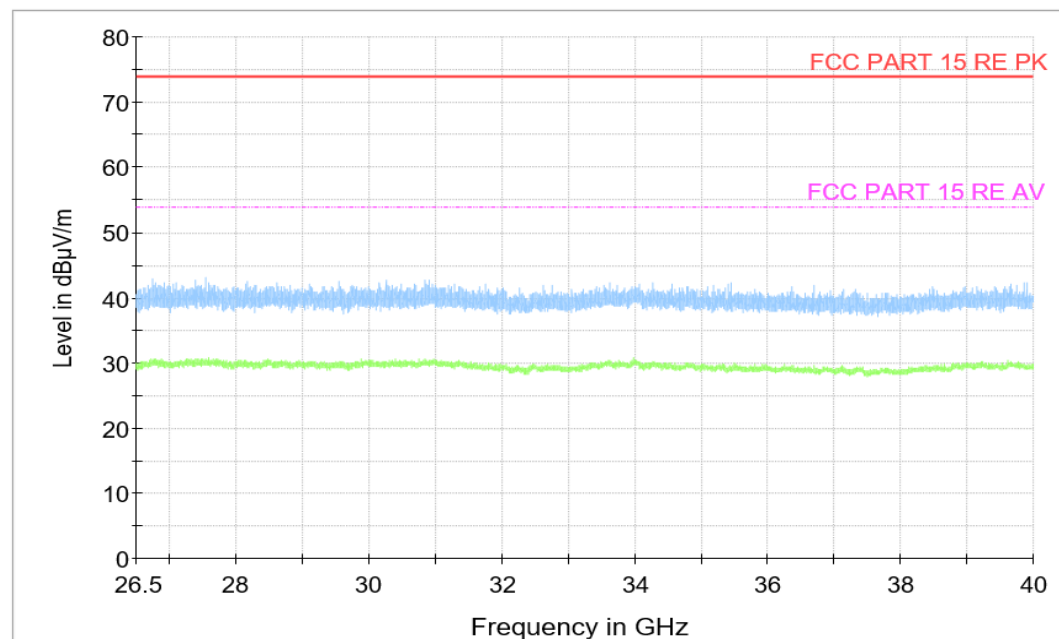
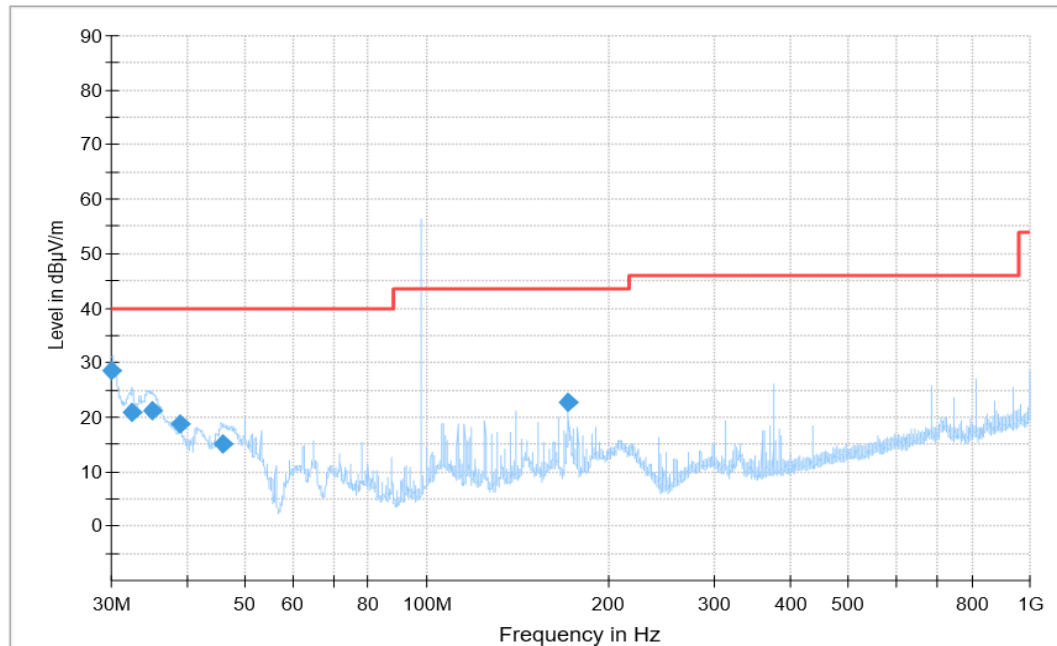


Figure A.1.40. Radiated Emission (LTE Receiver Band 12, 26.5GHz to 40GHz)



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

Figure A.1.41. Radiated Emission (FM receiver, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.000000	28.50	40.00	11.50	V	-24.1	52.60
32.472778	20.82	40.00	19.18	V	-25.8	46.62
35.088889	21.07	40.00	18.93	V	-27.2	48.27
39.005556	18.69	40.00	21.31	V	-29.2	47.89
45.892778	15.15	40.00	24.85	V	-33.2	48.35
171.895556	22.61	43.50	20.89	V	-30.5	53.11

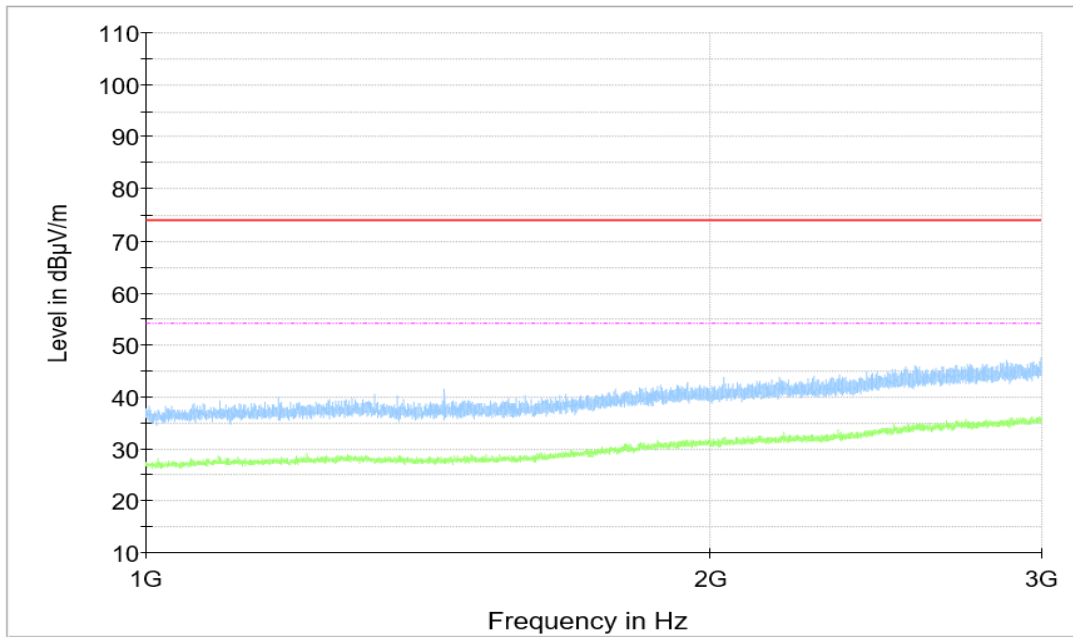


Figure A.1.42. Radiated Emission (FM receiver,1GHz to 3GHz)

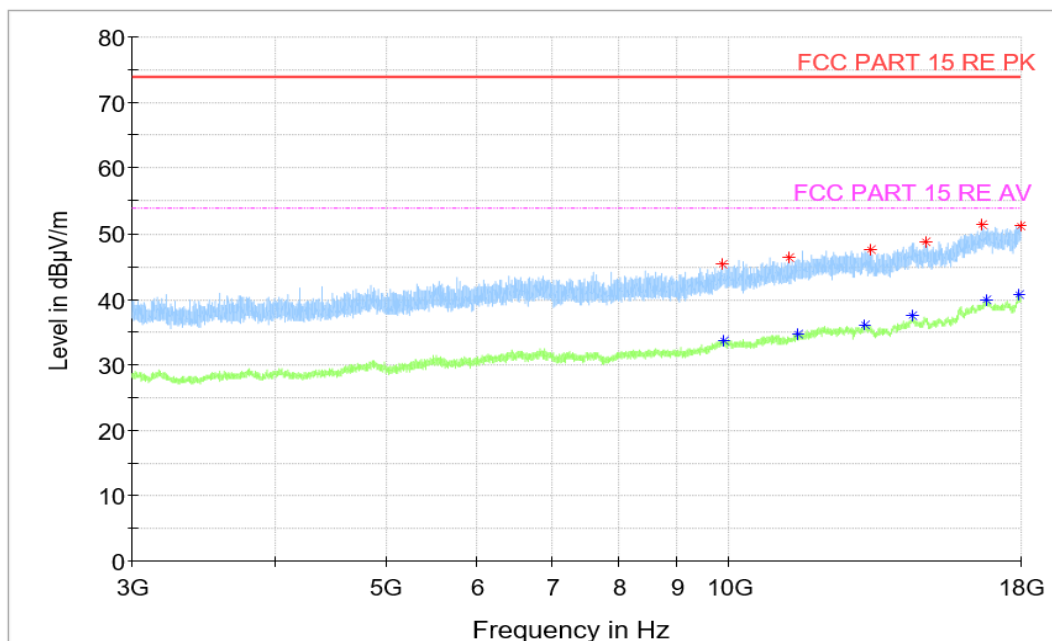


Figure A.1.43. Radiated Emission (FM receiver,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9854.500000	45.28	74.00	28.72	H	5.3	39.98
11300.500000	46.42	74.00	27.58	H	6.1	40.32
13306.000000	47.56	74.00	26.44	H	9.7	37.86
14851.000000	48.82	74.00	25.18	V	11.5	37.32
16672.000000	51.44	74.00	22.56	V	15.3	36.14
17986.000000	51.17	74.00	22.83	V	16.9	34.27

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9882.500000	33.71	54.00	20.29	V	5.4	28.31
11488.500000	34.68	54.00	19.32	H	6.9	27.78
13134.500000	36.03	54.00	17.97	V	9.6	26.43
14471.500000	37.39	54.00	16.61	V	11.6	25.79
16778.500000	39.81	54.00	14.19	H	15.8	24.01
17940.000000	40.66	54.00	13.34	H	17.2	23.46

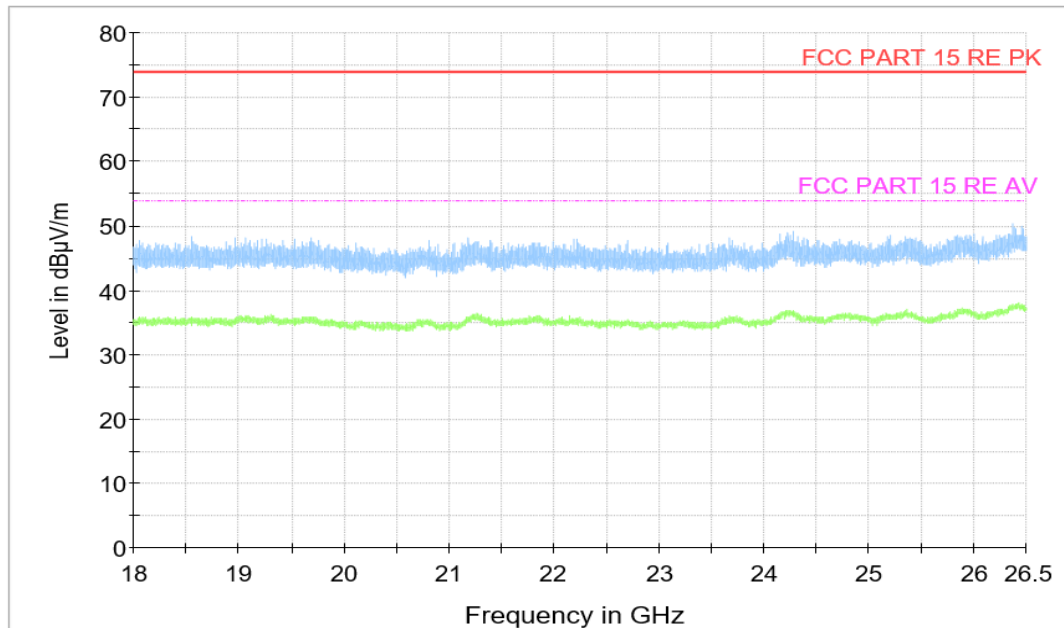


Figure A.1.44. Radiated Emission (FM receiver ,18GHz to 26.5GHz)

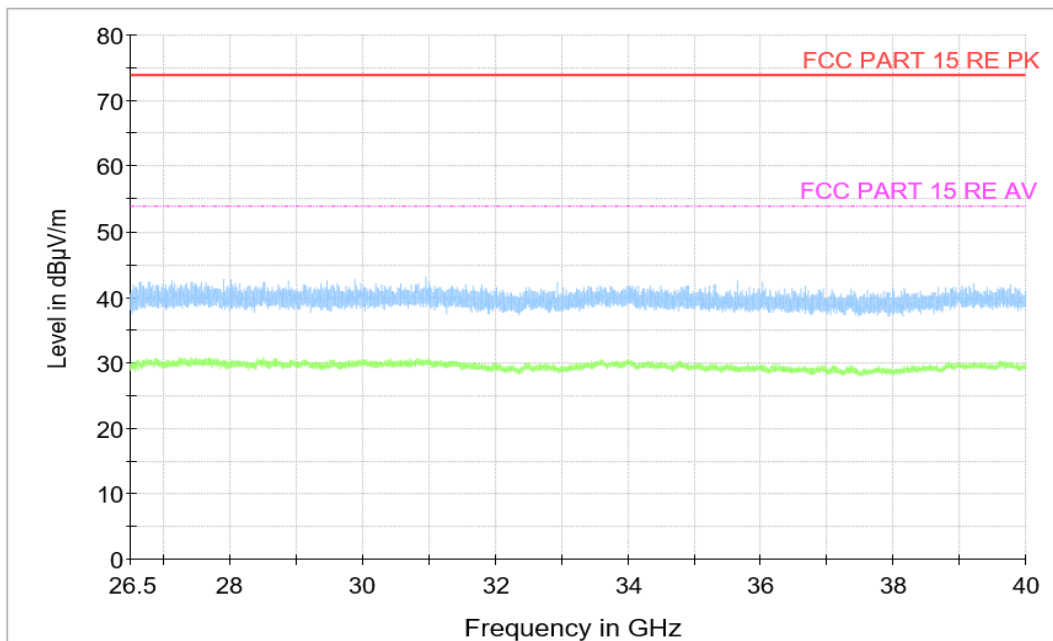


Figure A.1.45. Radiated Emission (FM receiver, 26.5GHz to 40GHz)

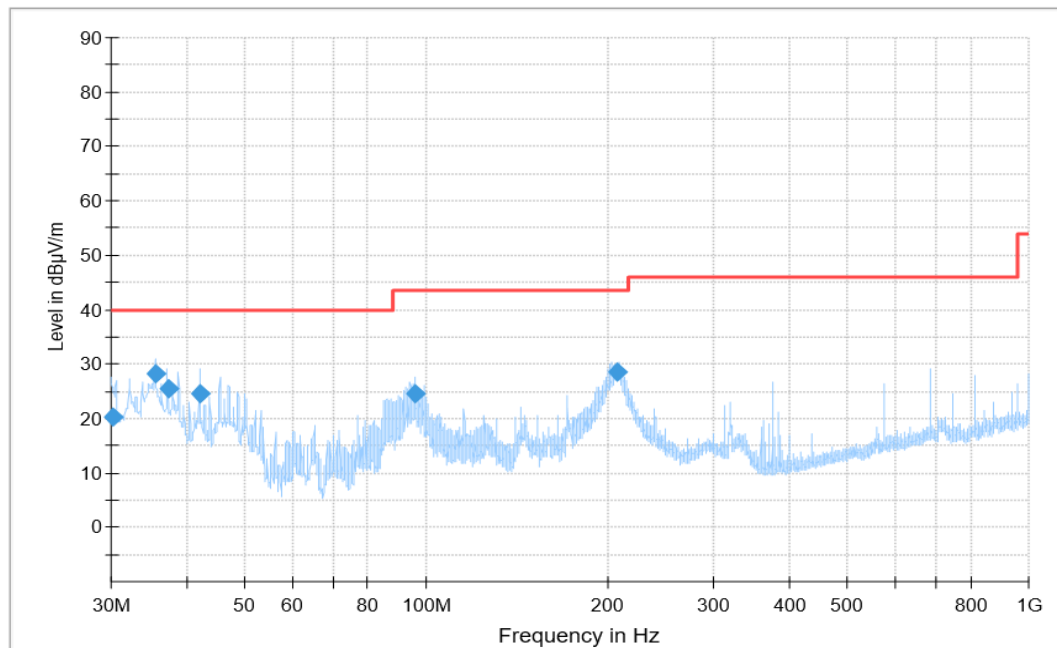
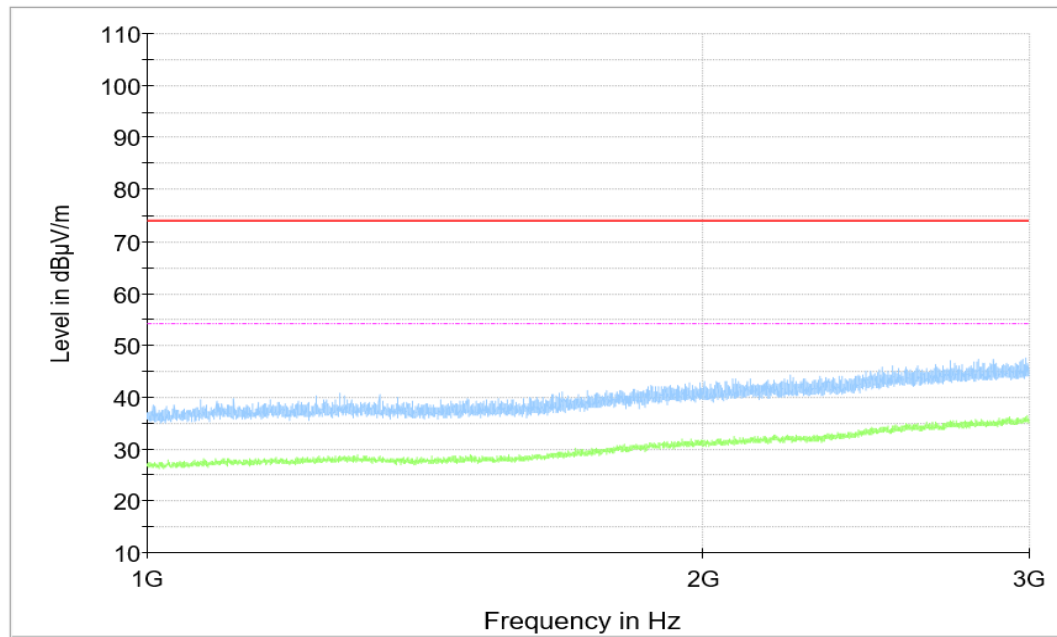


Figure A.1.46. Radiated Emission (Video Player, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBµV)
30.238889	20.39	40.00	19.61	V	-24.4	44.79
35.622778	28.16	40.00	11.84	V	-27.3	55.46
37.253333	25.35	40.00	14.65	V	-27.8	53.15
42.265000	24.56	40.00	15.44	V	-30.6	55.16
96.098333	24.52	43.50	18.98	V	-32.5	57.02
207.775000	28.65	43.50	14.85	H	-32.9	61.55



Fugure A.1.47. Radiated Emission (Video Player, 1GHz to 3GHz)

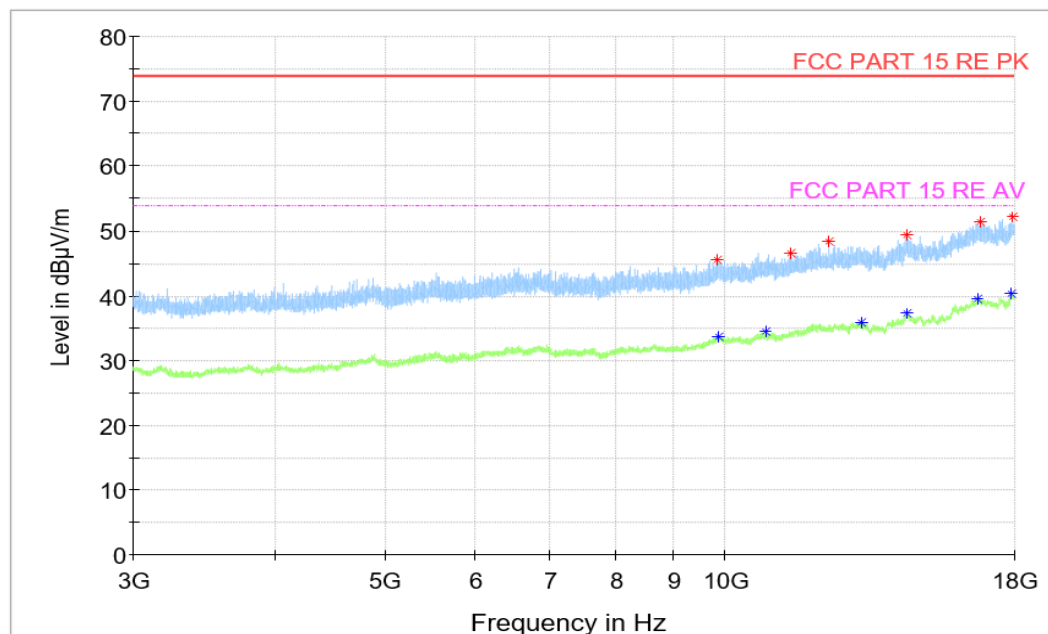


Figure A.1.48. Radiated Emission (Video Player, 3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9843.000000	45.56	74.00	28.44	V	5.1	40.46
11411.500000	46.62	74.00	27.38	H	6.5	40.12
12333.500000	48.31	74.00	25.69	V	8.3	40.01
14485.000000	49.33	74.00	24.67	V	11.7	37.63
16805.500000	51.32	74.00	22.68	H	15.8	35.52
17943.000000	52.13	74.00	21.87	H	17.3	34.83

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9874.500000	33.75	54.00	20.25	H	5.2	28.55
10853.500000	34.52	54.00	19.48	H	6.5	28.02
13196.000000	35.91	54.00	18.09	H	9.6	26.31
14490.500000	37.26	54.00	16.74	H	11.7	25.56
16704.500000	39.57	54.00	14.43	H	15.4	24.17
17909.500000	40.30	54.00	13.70	H	17.4	22.90

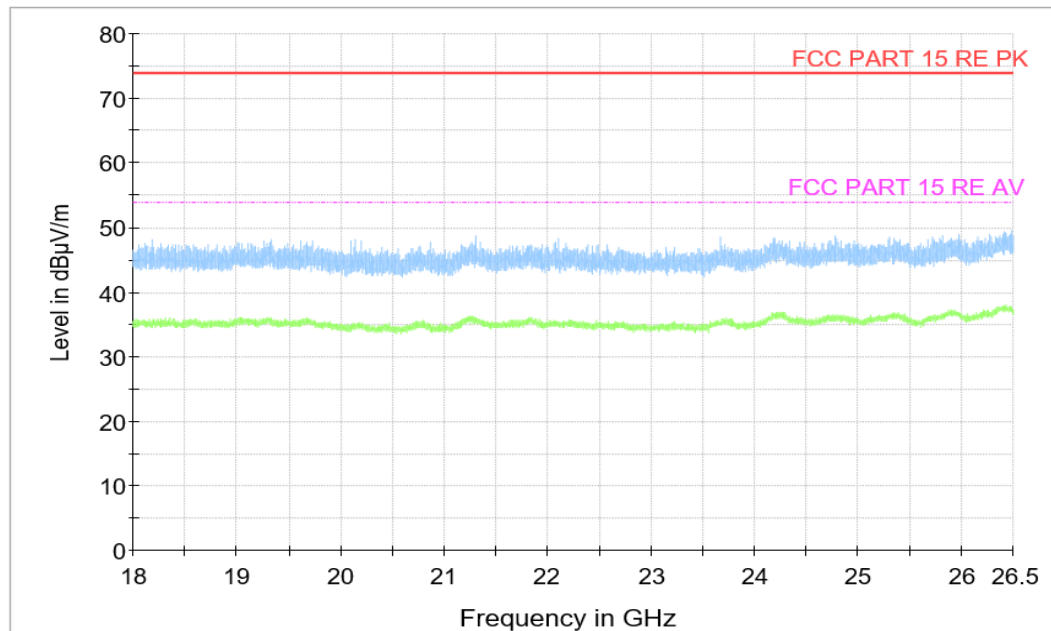


Figure A.1.49. Radiated Emission (Video Player,18GHz to 26.5GHz)

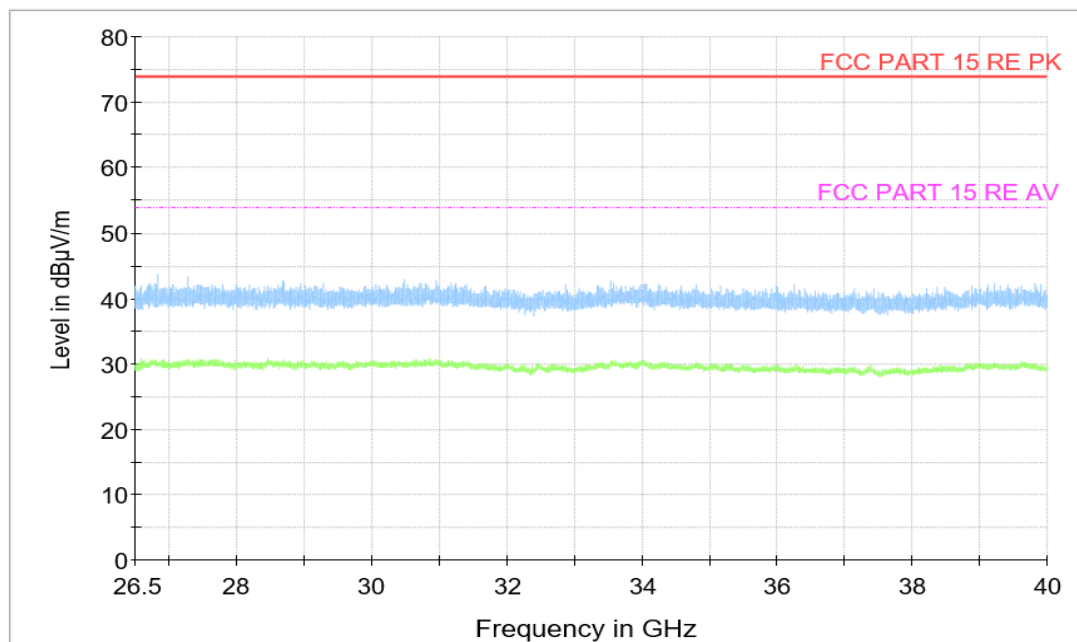


Figure A.1.50. Radiated Emission (Video Player, 26.5GHz to 40GHz)

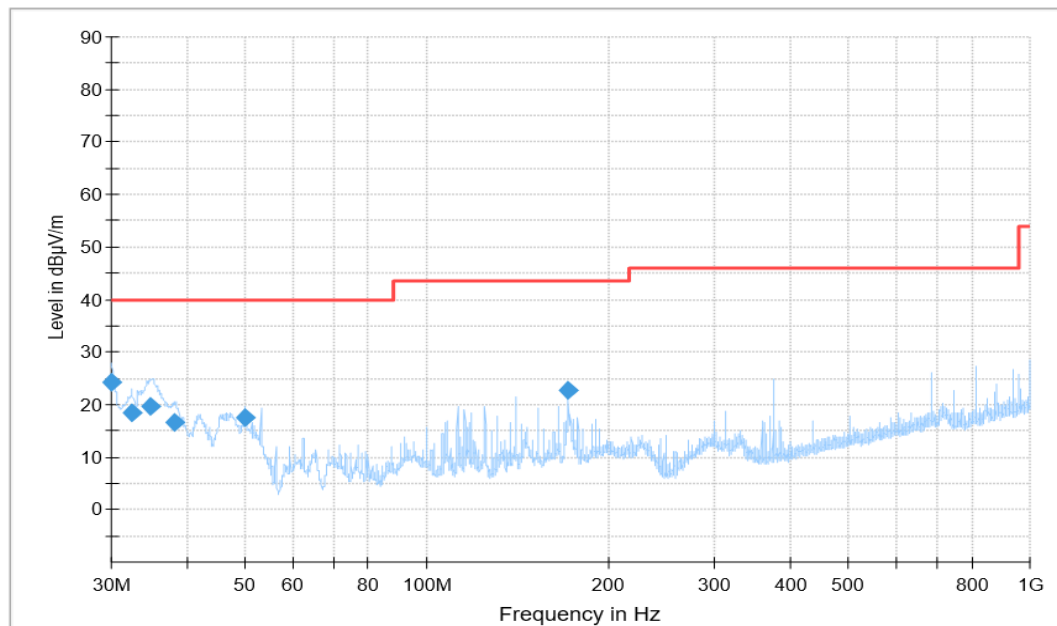


Figure A.1.51. Radiated Emission (Camera, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
30.000000	24.17	40.00	15.83	V	-24.1	48.27
32.405000	18.56	40.00	21.44	V	-25.8	44.36
34.857778	19.78	40.00	20.22	V	-27.0	46.78
38.200556	16.59	40.00	23.41	V	-28.5	45.09
50.012778	17.57	40.00	22.43	V	-36.5	54.07
171.895556	22.76	43.50	20.74	V	-30.5	53.26

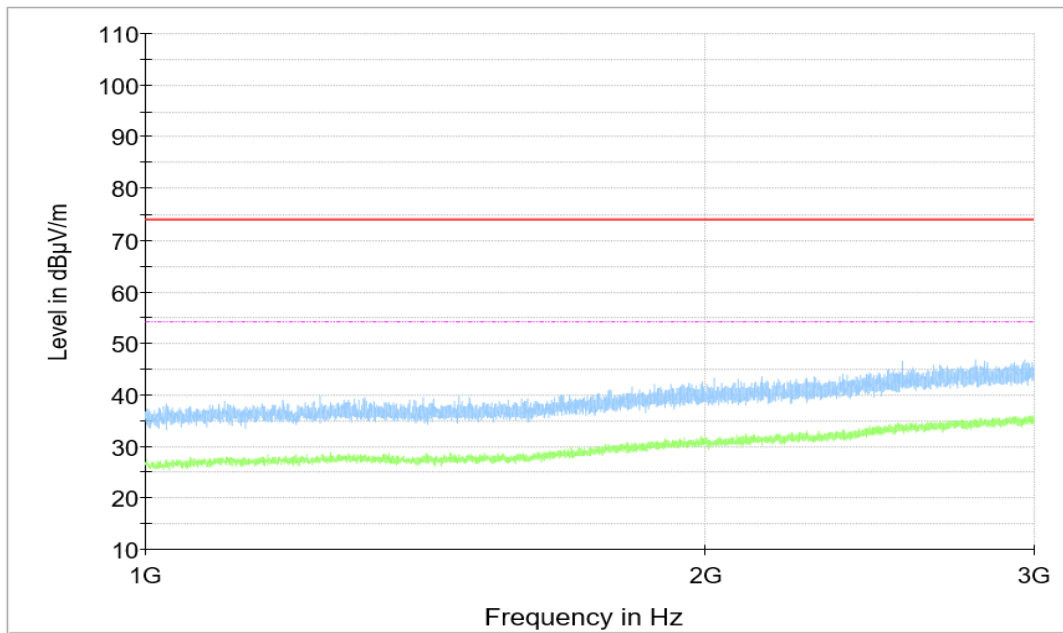


Figure A.1.52. Radiated Emission (Camera,1GHz to 3GHz)

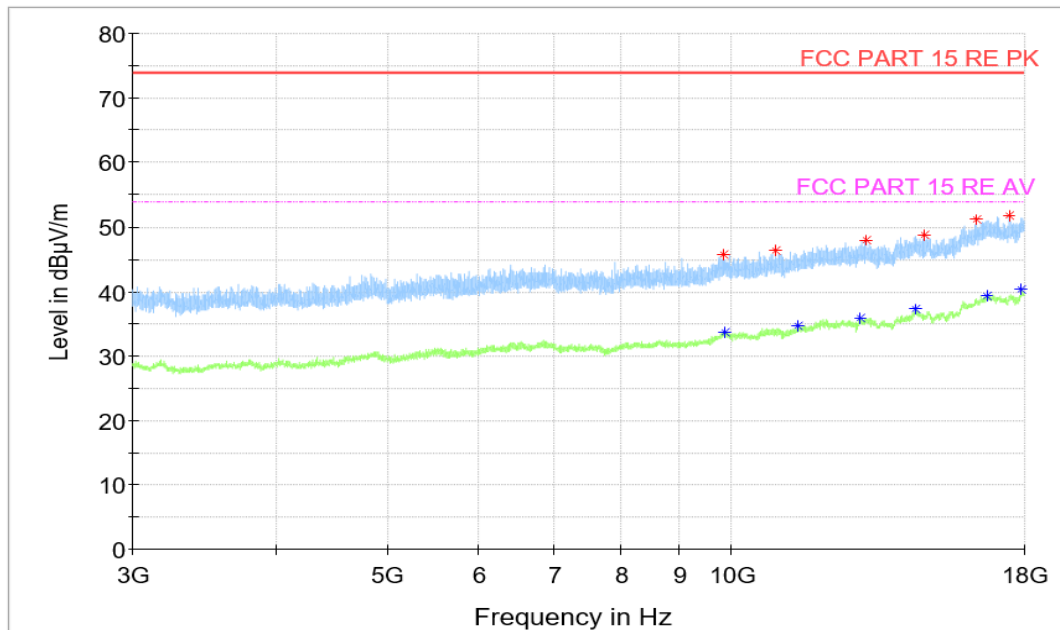


Figure A.1.53. Radiated Emission (Camera,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9849.500000	45.78	74.00	28.22	V	5.3	40.48
10925.000000	46.34	74.00	27.66	V	6.3	40.04
13124.500000	47.96	74.00	26.04	H	9.8	38.16
14718.500000	48.83	74.00	25.17	H	11.2	37.63
16333.500000	51.24	74.00	22.76	H	15.0	36.24
17447.500000	51.84	74.00	22.16	V	15.9	35.94

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9866.500000	33.74	54.00	20.26	V	5.2	28.54
11427.500000	34.60	54.00	19.40	H	6.7	27.9
12940.500000	35.92	54.00	18.08	V	9.4	26.52
14453.500000	37.25	54.00	16.75	H	11.6	25.65
16704.000000	39.39	54.00	14.61	V	15.4	23.99
17908.500000	40.29	54.00	13.71	H	17.4	22.89

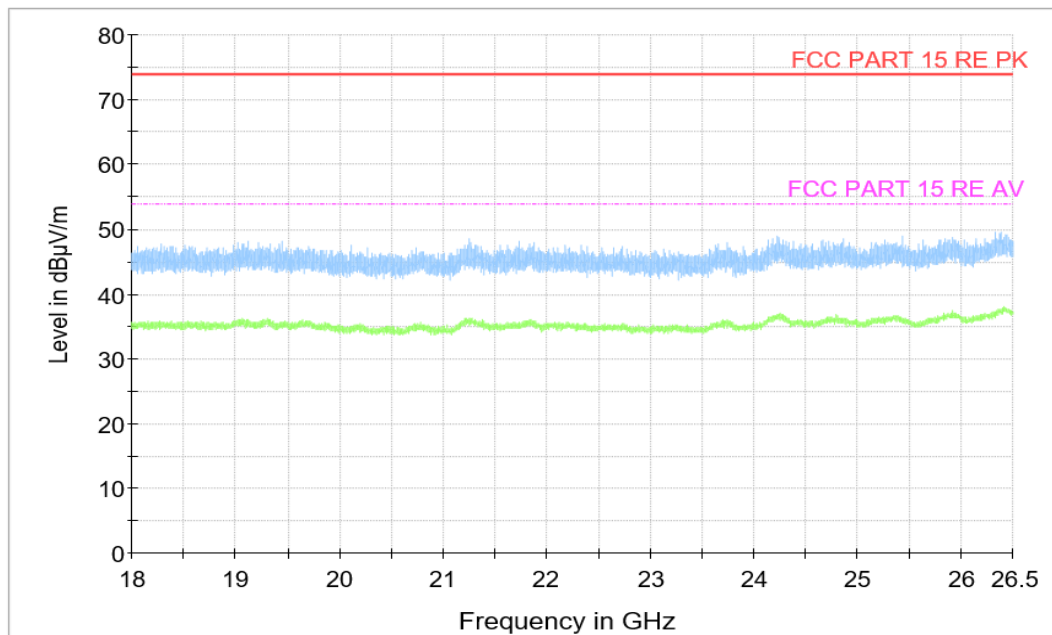


Figure A.1.54. Radiated Emission (Camera,18GHz to 26.5GHz)

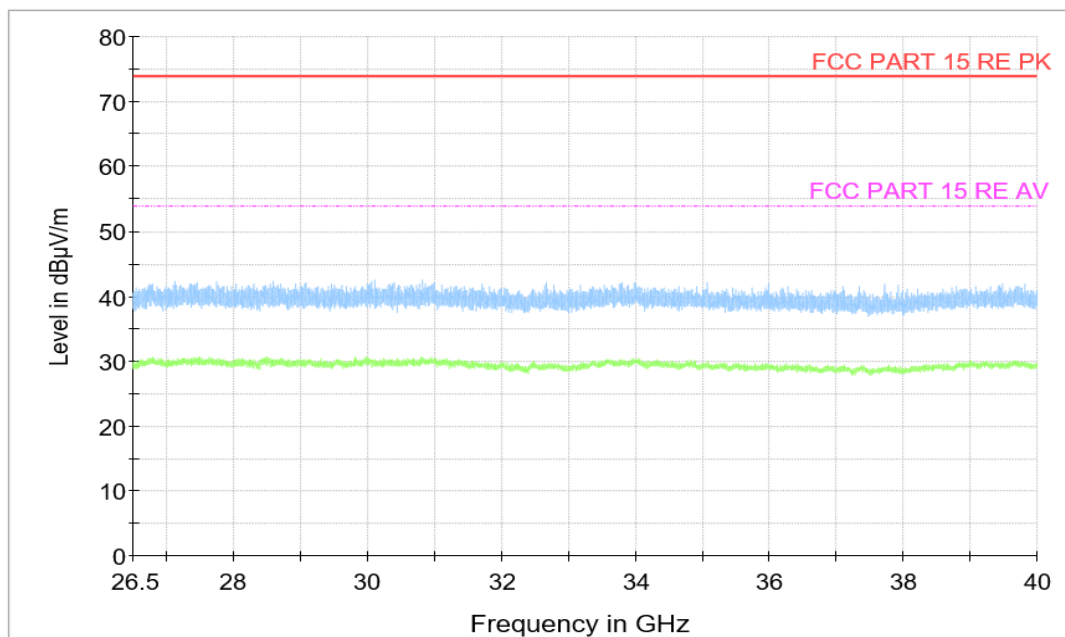
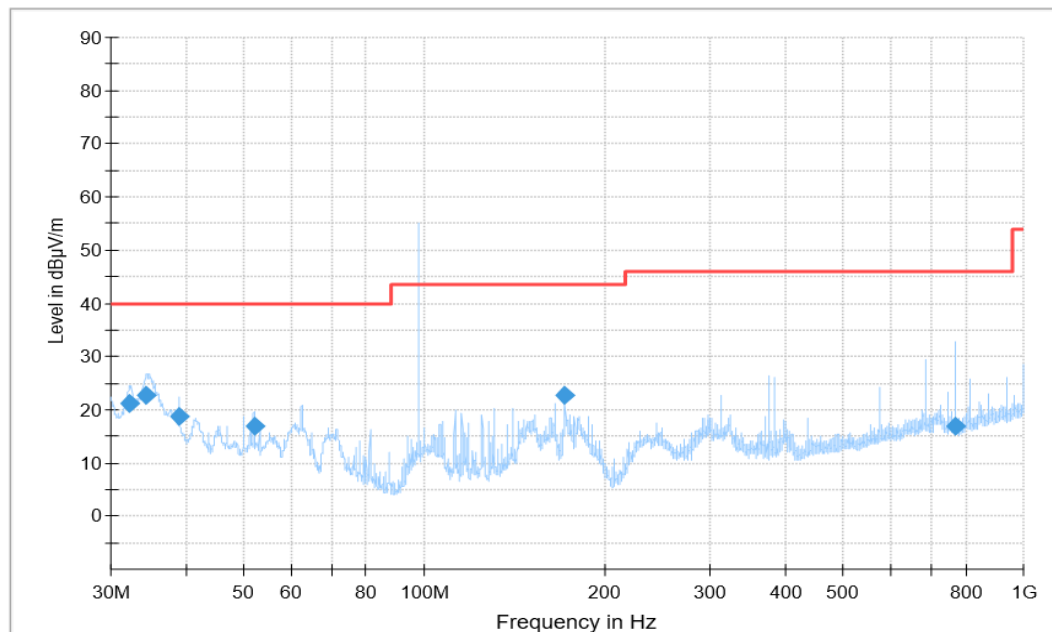


Figure A.1.55. Radiated Emission (Camera,26.5GHz to 40GHz)



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

Figure A.1.56. Radiated Emission (FM receiver, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
32.293889	21.29	40.00	18.71	V	-25.8	47.09
34.388333	22.87	40.00	17.13	V	-26.7	49.57
39.005556	18.81	40.00	21.19	V	-29.2	48.01
52.006667	16.98	40.00	23.02	V	-37.8	54.78
171.895556	22.78	43.50	20.72	V	-30.5	53.28
767.962222	16.98	46.00	29.02	H	-19.2	36.18

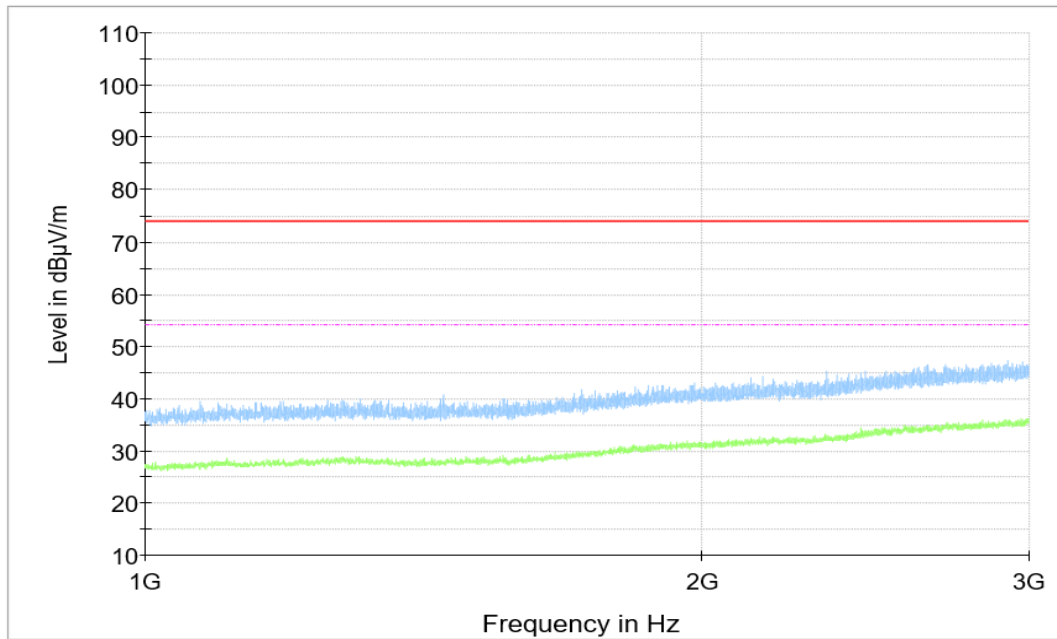


Figure A.1.57. Radiated Emission (FM receiver,1GHz to 3GHz)

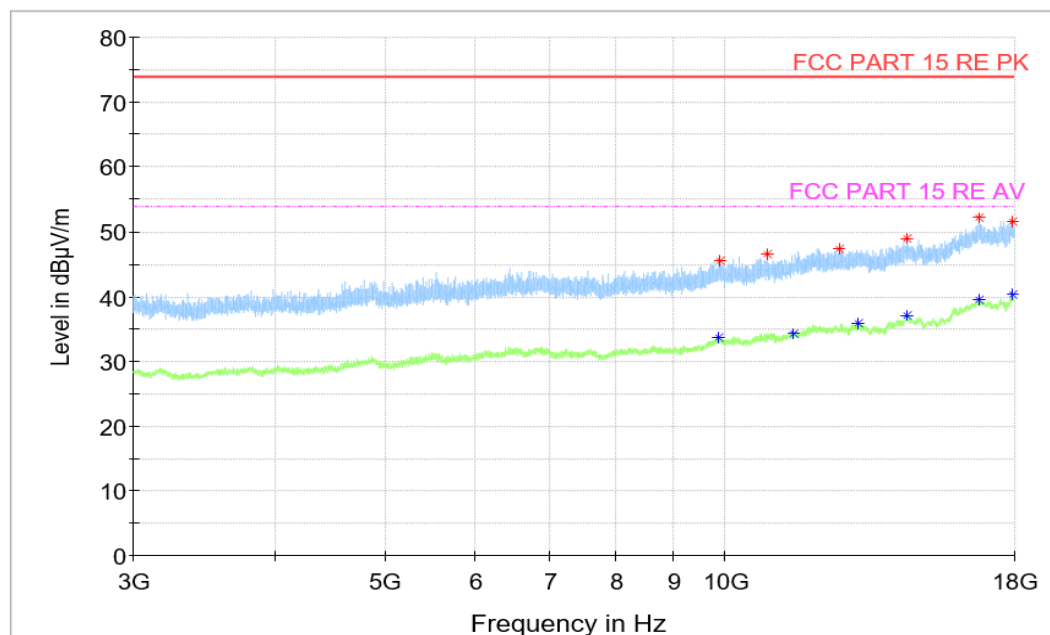


Figure A.1.58. Radiated Emission (FM receiver,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9889.500000	45.63	74.00	28.37	H	5.3	40.33
10877.000000	46.51	74.00	27.49	H	6.1	40.41
12598.000000	47.36	74.00	26.64	V	8.5	38.86
14489.500000	48.93	74.00	25.07	H	11.7	37.23
16740.500000	52.16	74.00	21.84	V	15.5	36.66
17958.500000	51.60	74.00	22.40	V	16.9	34.70

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9853.500000	33.69	54.00	20.31	V	5.3	28.39
11492.500000	34.34	54.00	19.66	V	6.9	27.44
13124.500000	35.95	54.00	18.05	H	9.8	26.15
14463.500000	37.05	54.00	16.95	V	11.7	25.35
16763.500000	39.42	54.00	14.58	H	15.5	23.92
17941.000000	40.37	54.00	13.63	V	17.2	23.17

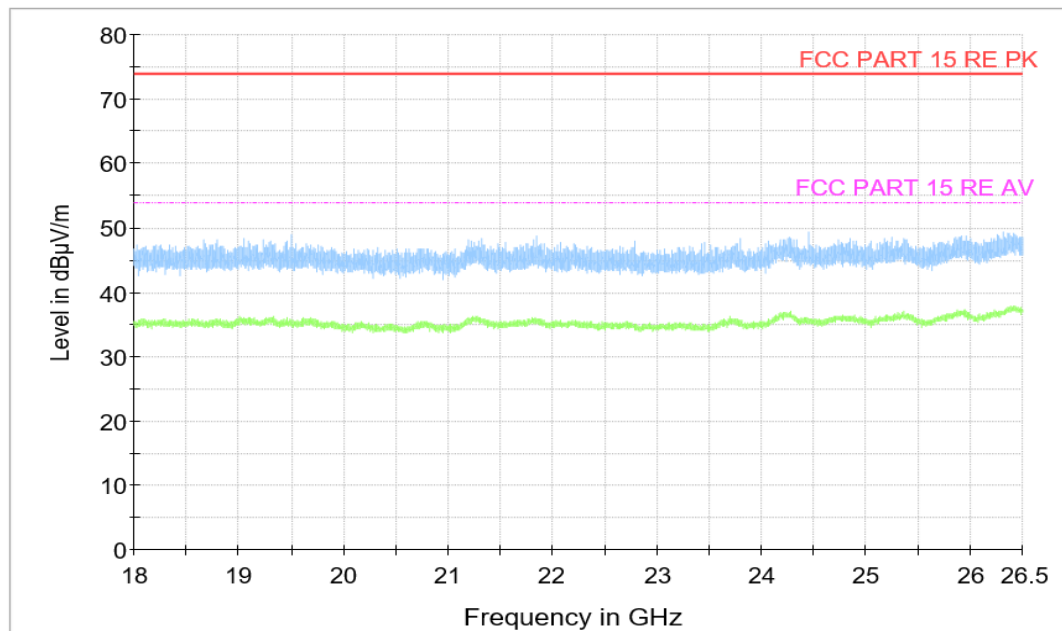


Figure A.1.59. Radiated Emission (FM receiver,18GHz to 26.5GHz)

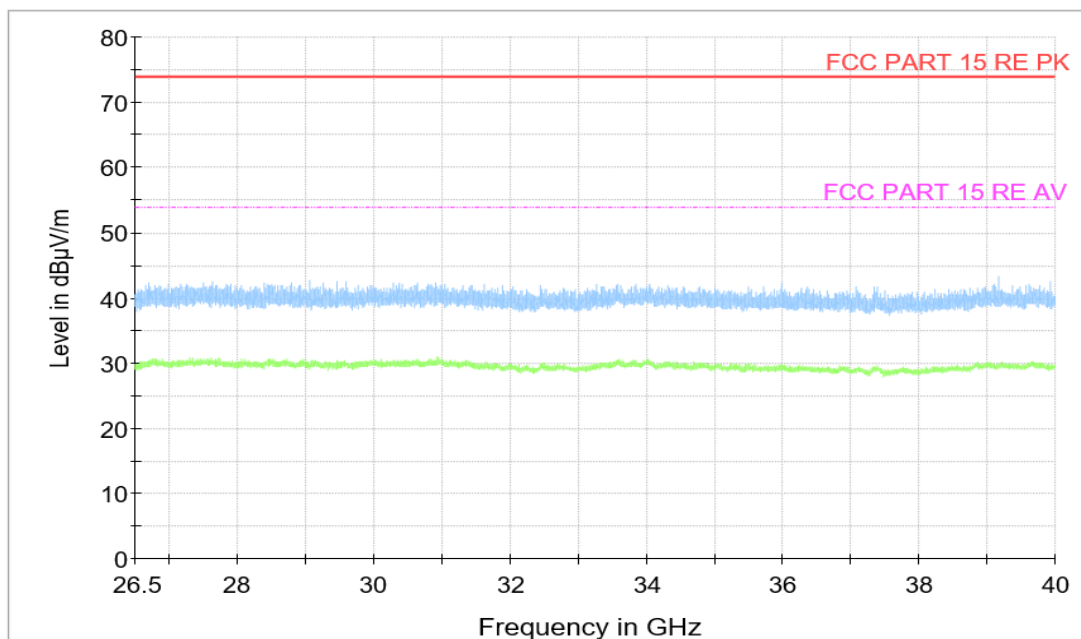


Figure A.1.60. Radiated Emission (FM receiver, 26.5GHz to 40GHz)

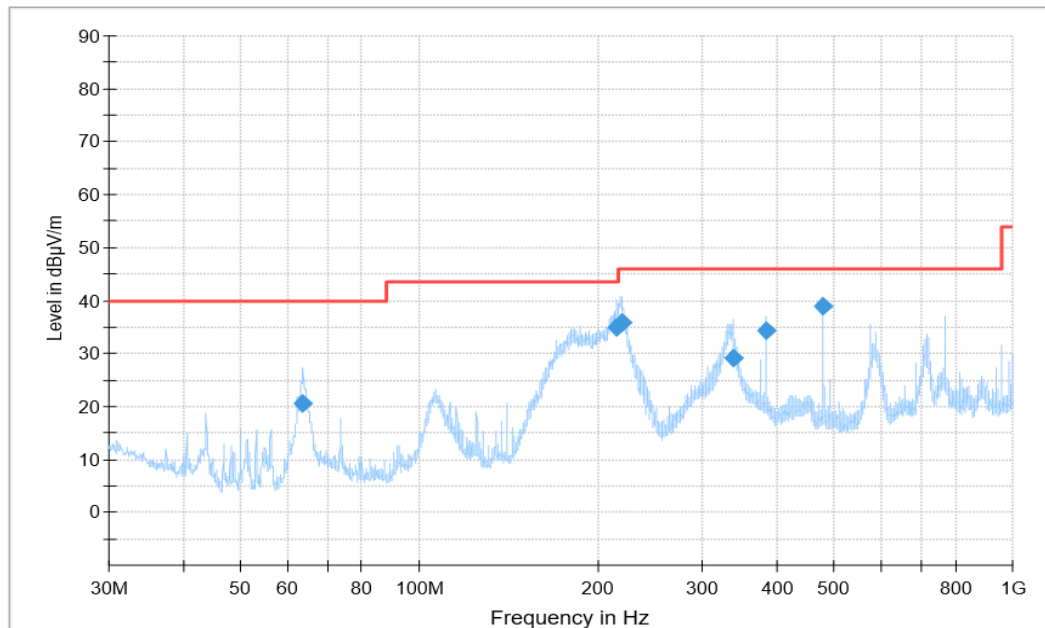


Figure A.1.61. Radiated Emission (Data Transfer: EUT to PC,30MHz to 1GHz)

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
63.688333	20.57	40.00	19.43	H	-35.8	56.37
215.168333	35.03	43.50	8.47	H	-32.3	67.33
219.873889	35.93	46.00	10.07	H	-32.4	68.33
337.457778	29.08	46.00	16.92	H	-28.0	57.08
384.016111	34.35	46.00	11.65	H	-26.6	60.95
480.032222	38.89	46.00	7.11	H	-23.8	62.69

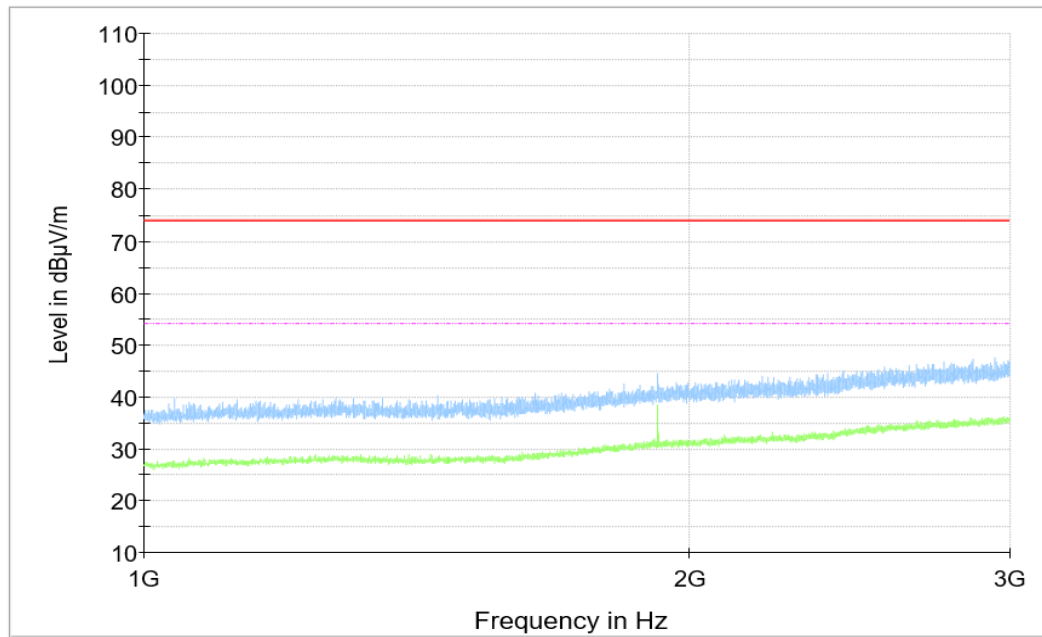


Figure A.1.62. Radiated Emission (Data Transfer: EUT to PC,1GHz to 3GHz)

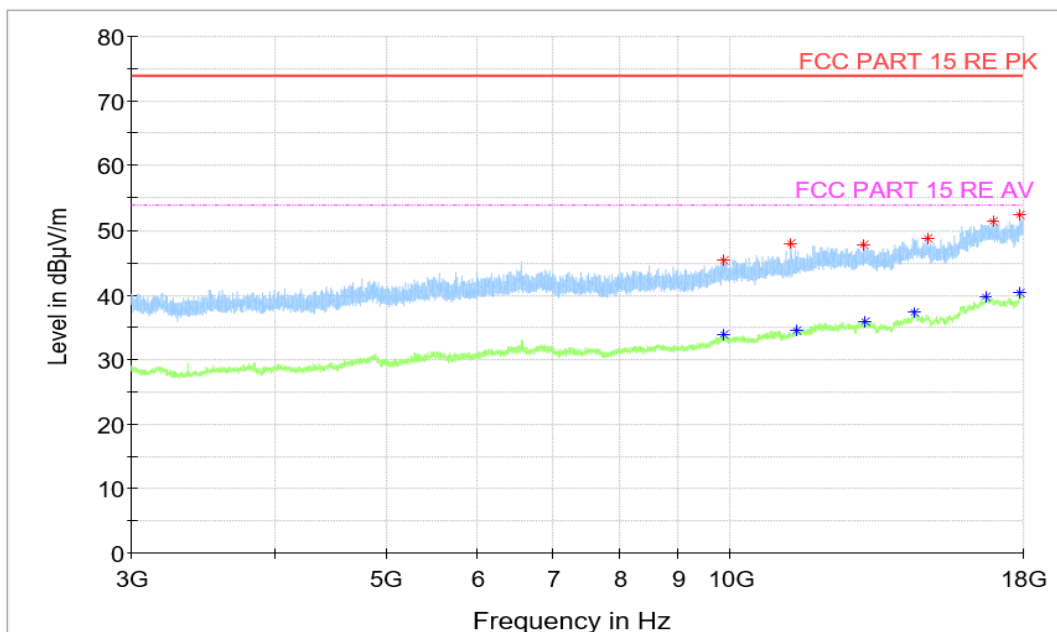


Figure A.1.63. Radiated Emission (Data Transfer: EUT to PC,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9853.000000	45.44	74.00	28.56	H	5.3	40.14
11304.500000	47.93	74.00	26.07	V	6.2	41.73
13076.500000	47.81	74.00	26.19	H	9.5	38.31
14865.500000	48.84	74.00	25.16	H	11.6	37.24
16955.000000	51.47	74.00	22.53	H	15.8	35.67
17909.500000	52.30	74.00	21.70	V	17.4	34.90

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9853.500000	33.77	54.00	20.23	V	5.3	28.47
11425.500000	34.50	54.00	19.50	V	6.7	27.8
13121.000000	35.85	54.00	18.15	H	9.7	26.15
14454.000000	37.28	54.00	16.72	V	11.6	25.68
16723.000000	39.70	54.00	14.30	H	15.4	24.3
17908.500000	40.37	54.00	13.63	V	17.4	22.97

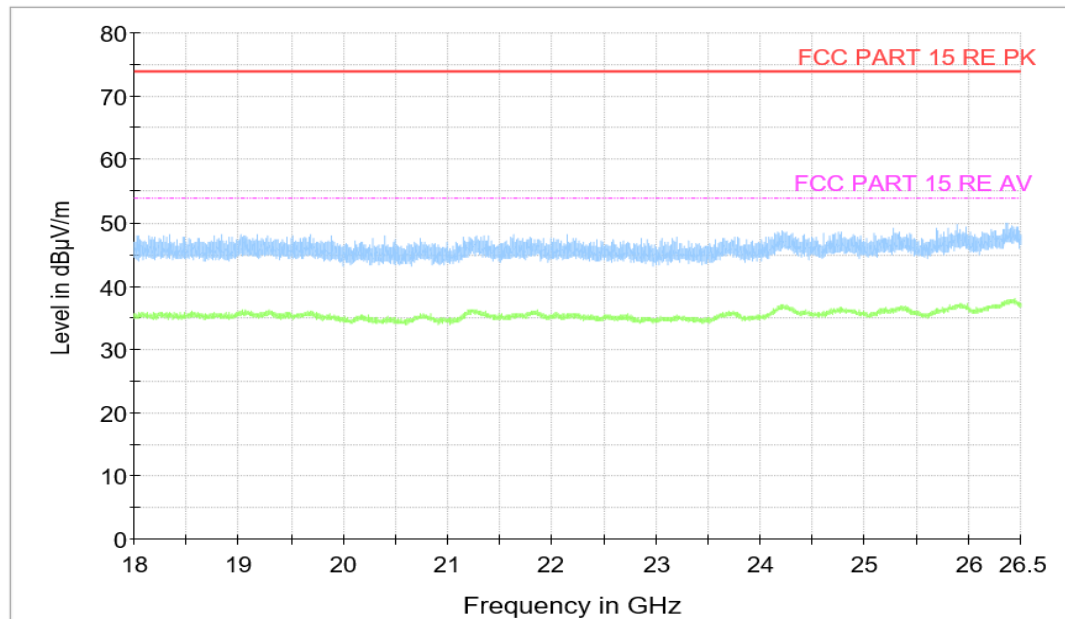


Figure A.1.64. Radiated Emission (Data Transfer: EUT to PC,18GHz to 26.5GHz)

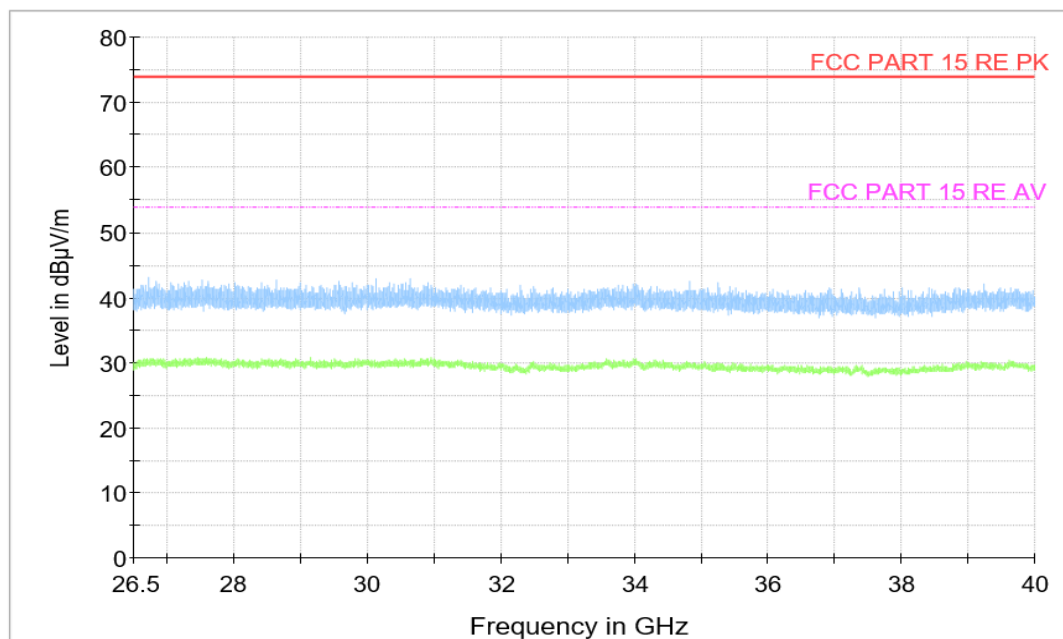


Figure A.1.65. Radiated Emission (Data Transfer: EUT to PC, 26.5GHz to 40GHz)

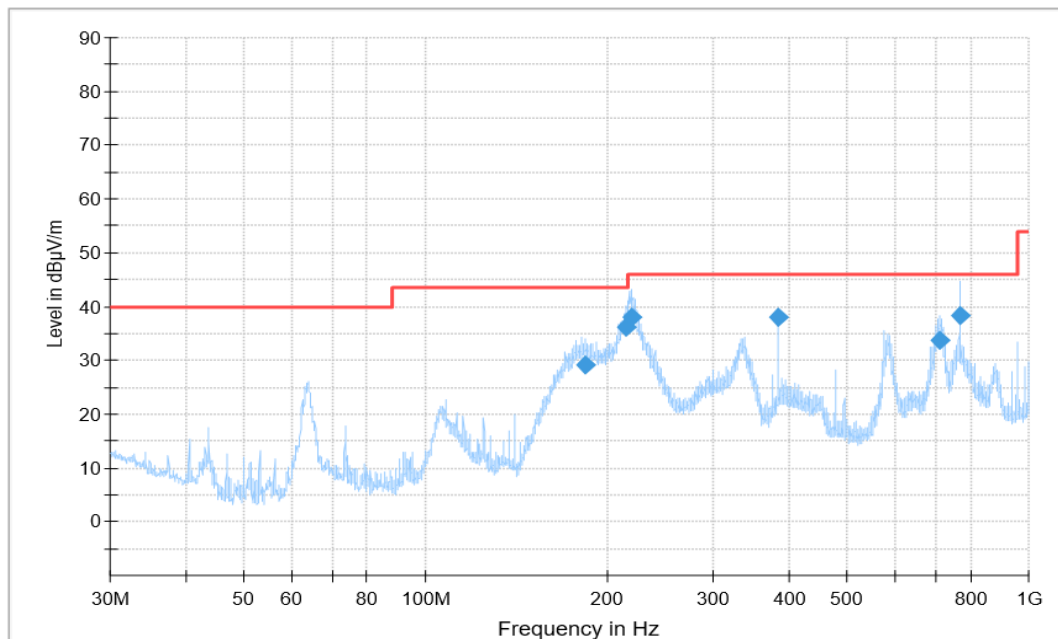


Figure A.1.66. Radiated Emission (Data Transfer: PC to EUT,30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
183.403333	29.04	43.50	14.46	H	-33.6	62.64
215.571667	36.04	43.50	7.46	H	-32.3	68.34
219.387222	37.90	46.00	8.10	H	-32.4	70.30
383.976111	37.86	46.00	8.14	H	-26.6	64.46
710.921667	33.78	46.00	12.22	V	-19.7	53.48
767.988333	38.27	46.00	7.73	V	-19.2	53.48

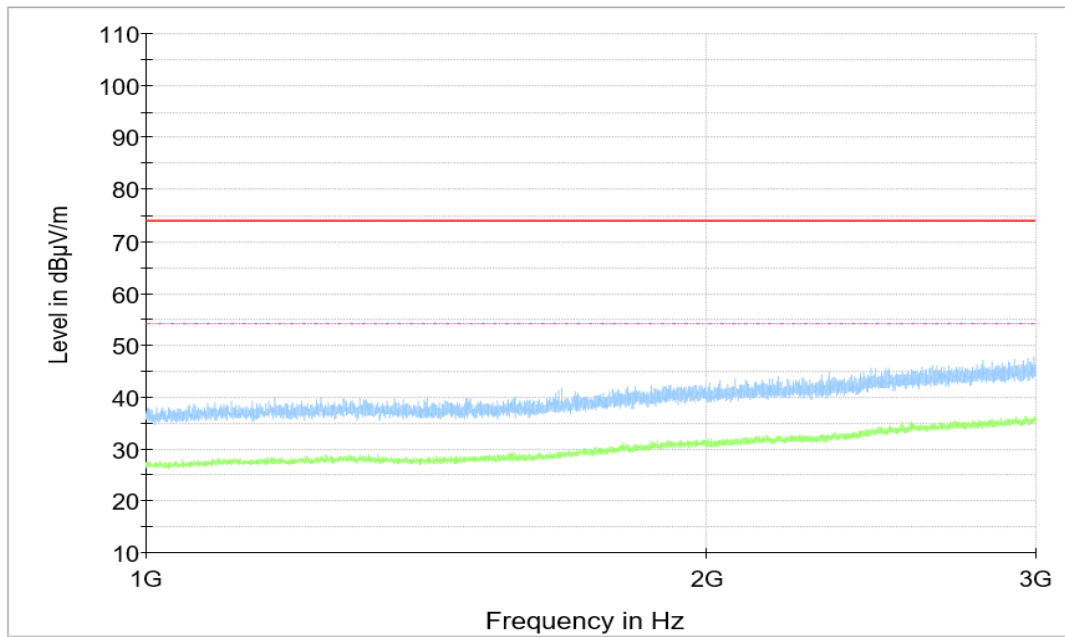


Figure A.1.67. Radiated Emission (Data Transfer: PC to EUT,1GHz to 3GHz)

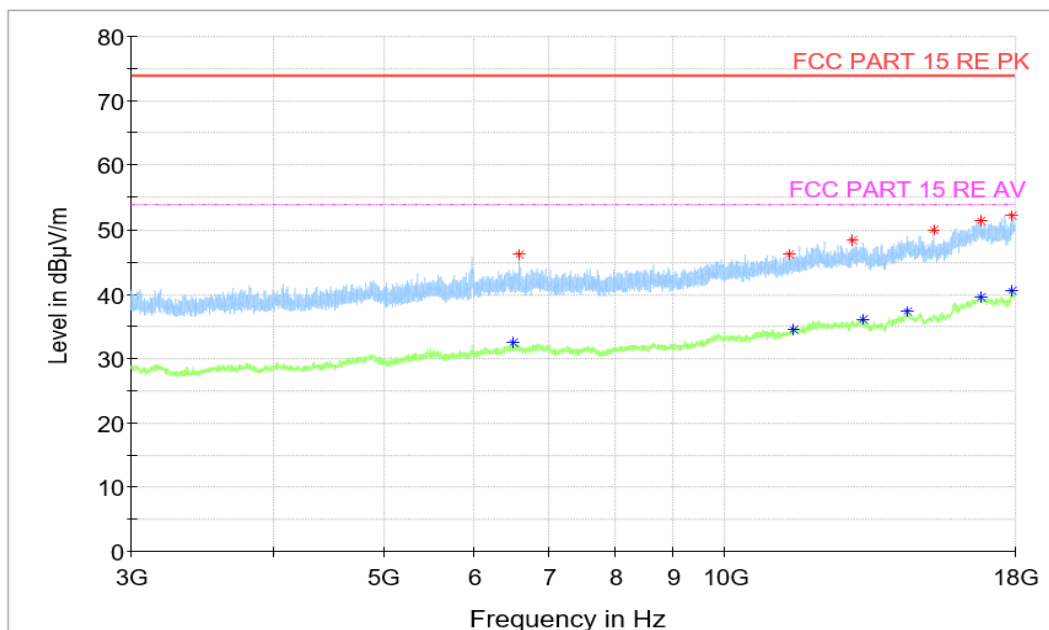


Figure A.1.68. Radiated Emission (Data Transfer: PC to EUT,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
6588.500000	46.06	74.00	27.94	V	2.7	43.36
11402.500000	46.21	74.00	27.79	H	6.7	39.51
12943.500000	48.26	74.00	25.74	V	9.4	38.86
15289.500000	49.90	74.00	24.10	V	12.2	37.70
16781.000000	51.46	74.00	22.54	H	15.9	35.56
17893.000000	52.17	74.00	21.83	H	16.4	35.77

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
6518.000000	32.38	54.00	21.62	H	2.7	29.68
11494.000000	34.48	54.00	19.52	H	6.9	27.58
13238.000000	35.99	54.00	18.01	H	9.6	26.39
14463.500000	37.23	54.00	16.77	V	11.7	25.53
16780.000000	39.44	54.00	14.56	V	15.8	23.64
17910.500000	40.54	54.00	13.46	H	17.4	23.14

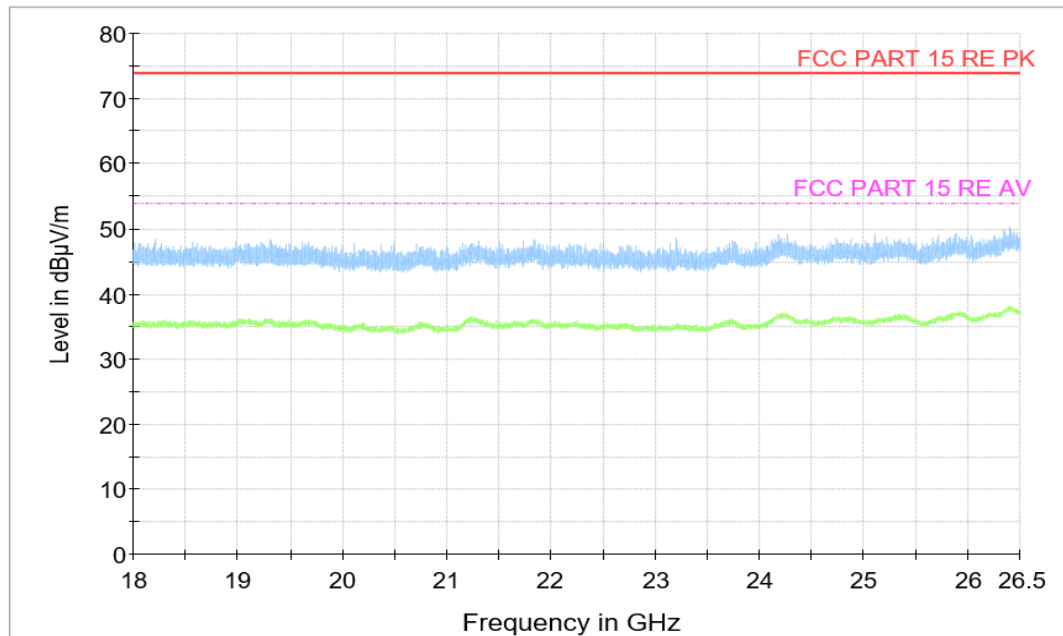


Figure A.1.69. Radiated Emission (Data Transfer: PC to EUT,18GHz to 26.5GHz)

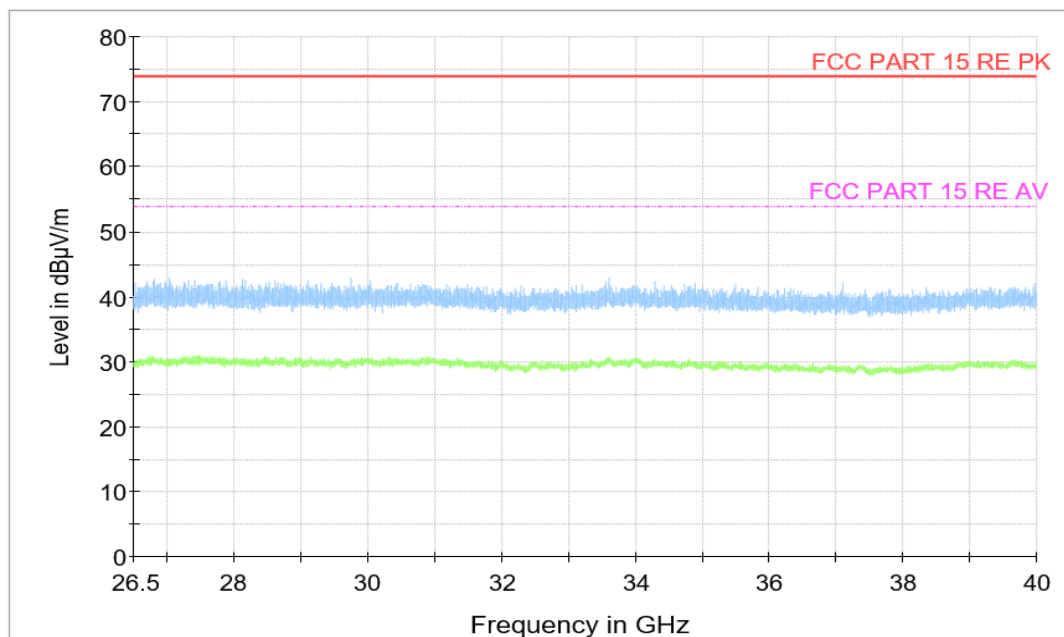


Figure A.1.70. Radiated Emission (Data Transfer: PC to EUT,26.5GHz to 40GHz)

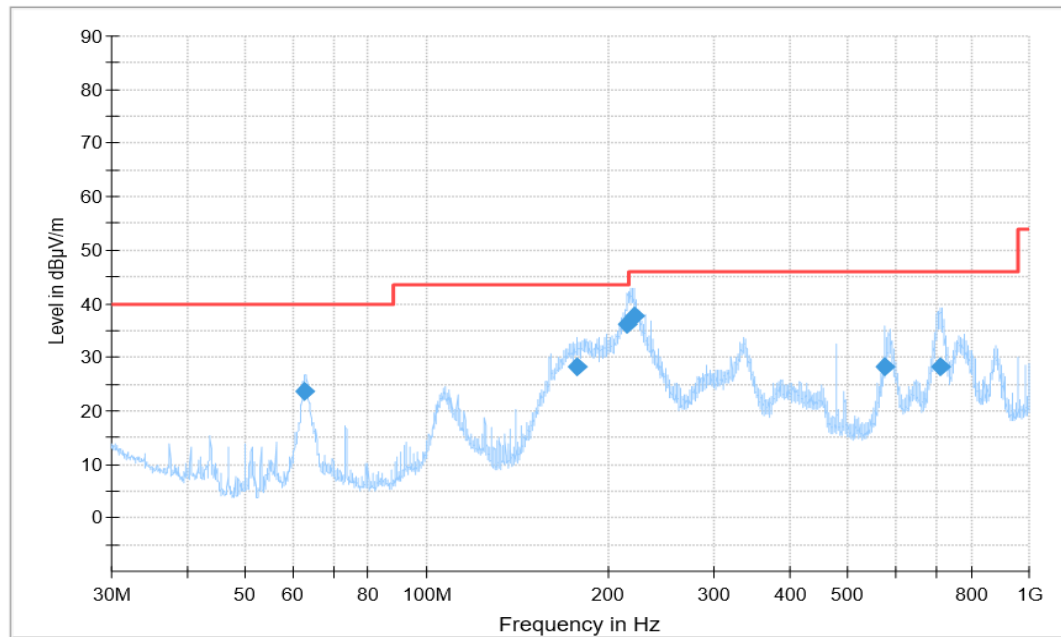


Figure A.1.71. Radiated Emission (Data Transfer: PC to TF Card,30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
62.848889	23.60	40.00	16.40	V	-35.7	59.30
177.581667	28.31	43.50	15.19	H	-32.5	60.81
214.655556	36.31	43.50	7.19	H	-32.3	68.61
221.059444	37.68	46.00	8.32	H	-32.4	70.08
576.022222	28.22	46.00	17.78	V	-22.0	50.22
713.590000	28.23	46.00	17.77	V	-19.5	47.73

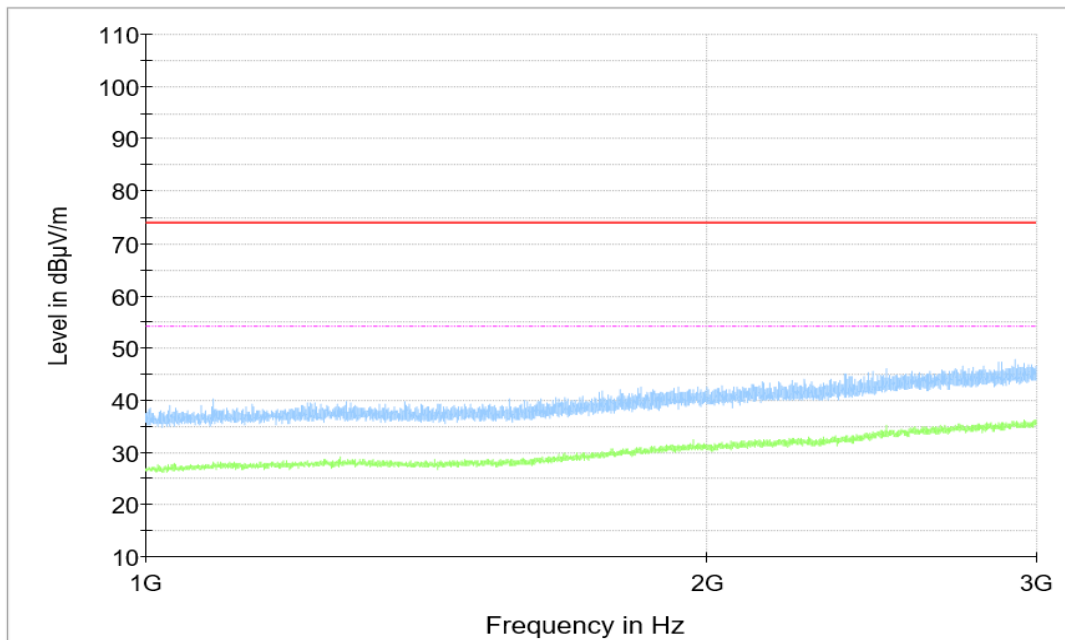


Figure A.1.72. Radiated Emission (Data Transfer: PC to TF Card,1GHz to 3GHz)

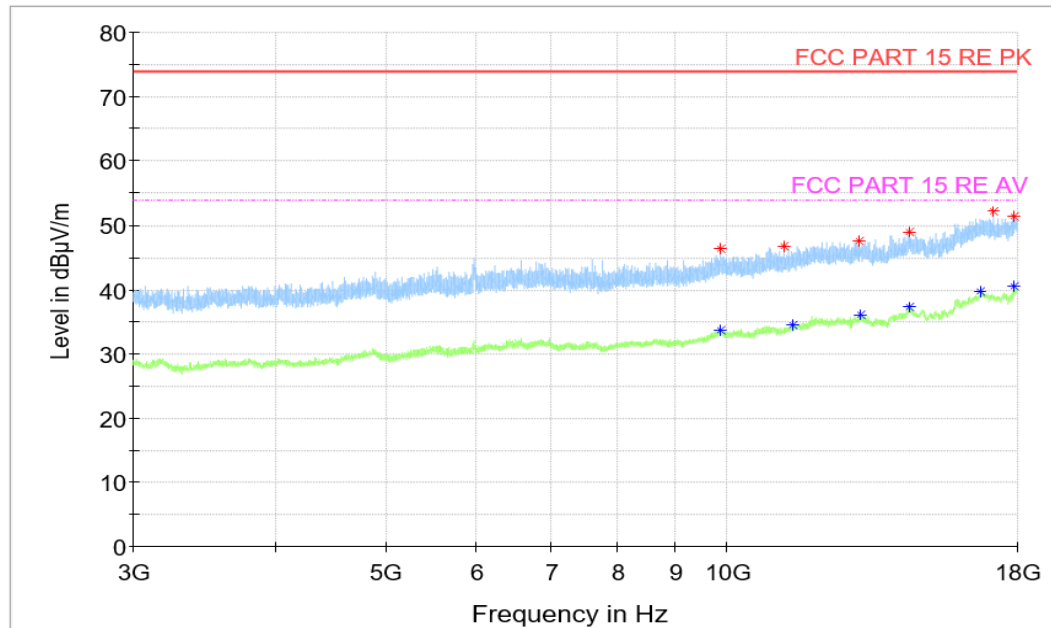


Figure A.1.73. Radiated Emission (Data Transfer: PC to TF Card,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9877.000000	46.36	74.00	27.64	H	5.3	41.06
11226.000000	46.72	74.00	27.28	V	6.0	40.72
13077.000000	47.55	74.00	26.45	V	9.4	38.15
14465.000000	48.88	74.00	25.12	H	11.7	37.18
17166.000000	52.27	74.00	21.73	V	15.3	36.97
17876.500000	51.45	74.00	22.55	V	17.0	34.45

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9854.000000	33.65	54.00	20.35	H	5.3	28.35
11430.000000	34.45	54.00	19.55	H	6.8	27.65
13125.500000	36.01	54.00	17.99	V	9.8	26.21
14454.000000	37.19	54.00	16.81	V	11.6	25.59
16727.000000	39.63	54.00	14.37	H	15.4	24.23
17907.000000	40.45	54.00	13.55	H	17.3	23.15

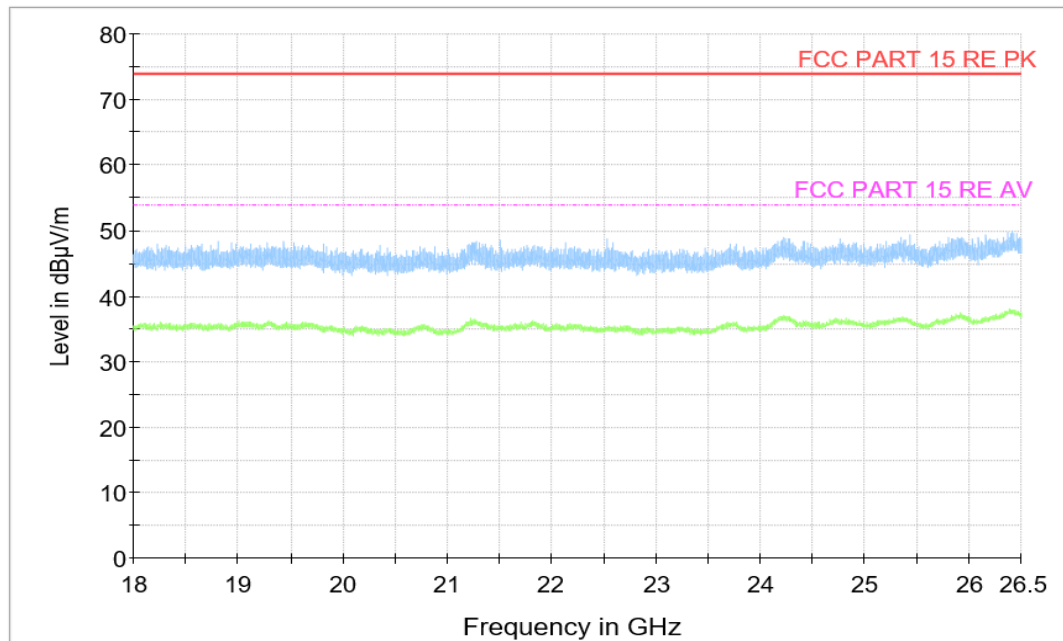


Figure A.1.74. Radiated Emission (Data Transfer: PC to TF Card,18GHz to 26.5GHz)

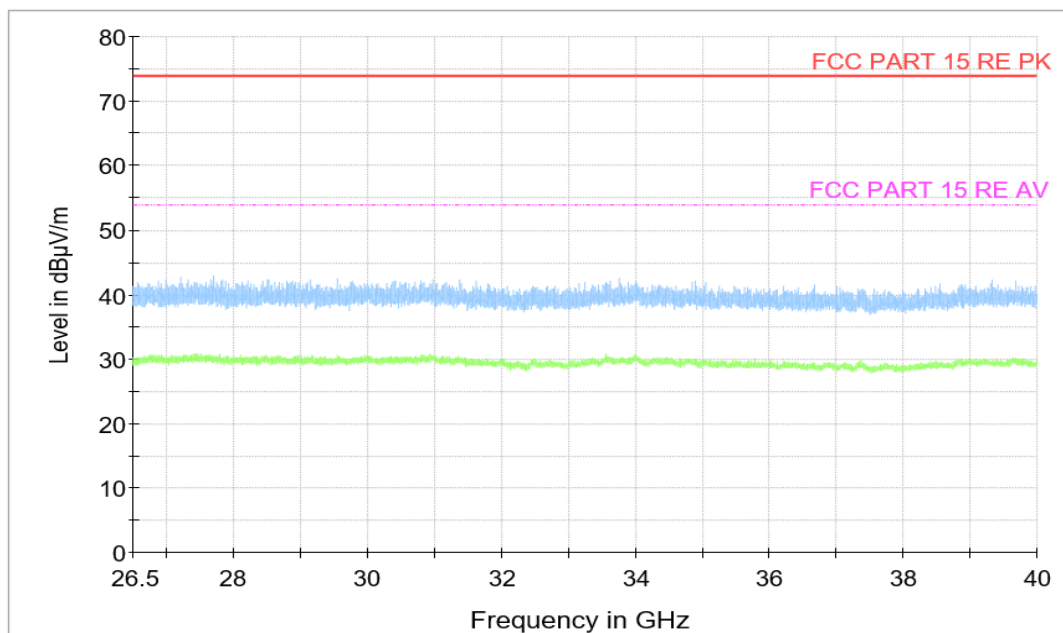


Figure A.1.75. Radiated Emission (Data Transfer: PC to TF Card, 26.5GHz to 40GHz)

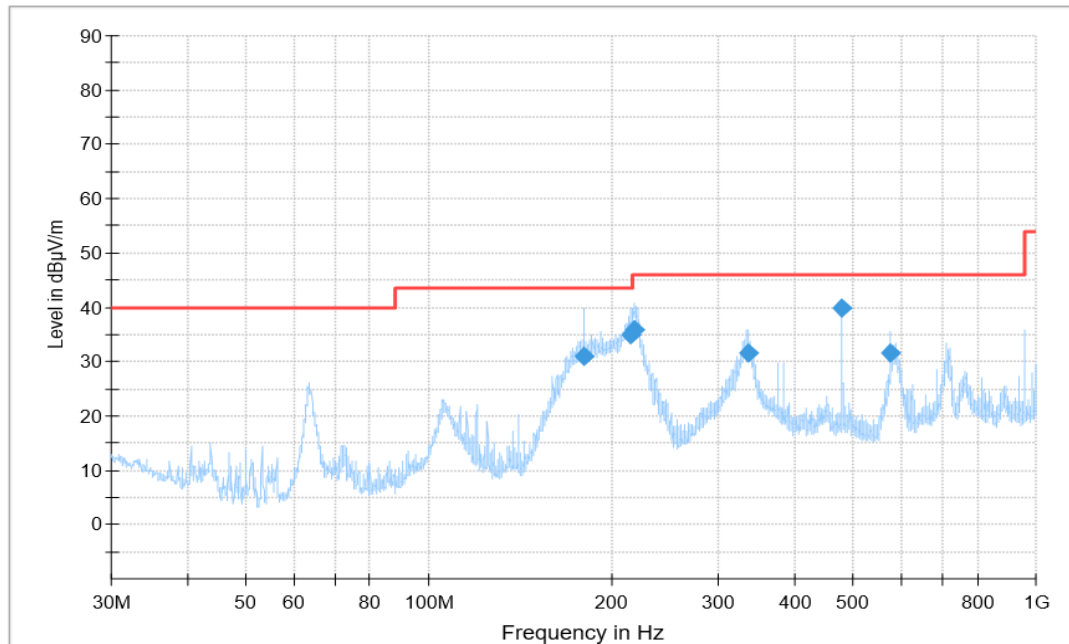


Figure A.1.76. Radiated Emission (Data Transfer: TF Card to PC, 30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
180.192778	30.95	43.50	12.55	H	-33.3	64.25
215.248333	34.83	43.50	8.67	H	-32.3	67.13
217.619444	35.72	46.00	10.28	H	-32.3	68.02
335.194444	31.73	46.00	14.27	H	-28.1	59.83
480.006111	39.89	46.00	6.11	H	-23.8	63.69
576.022222	31.60	46.00	14.40	V	-22.0	53.60

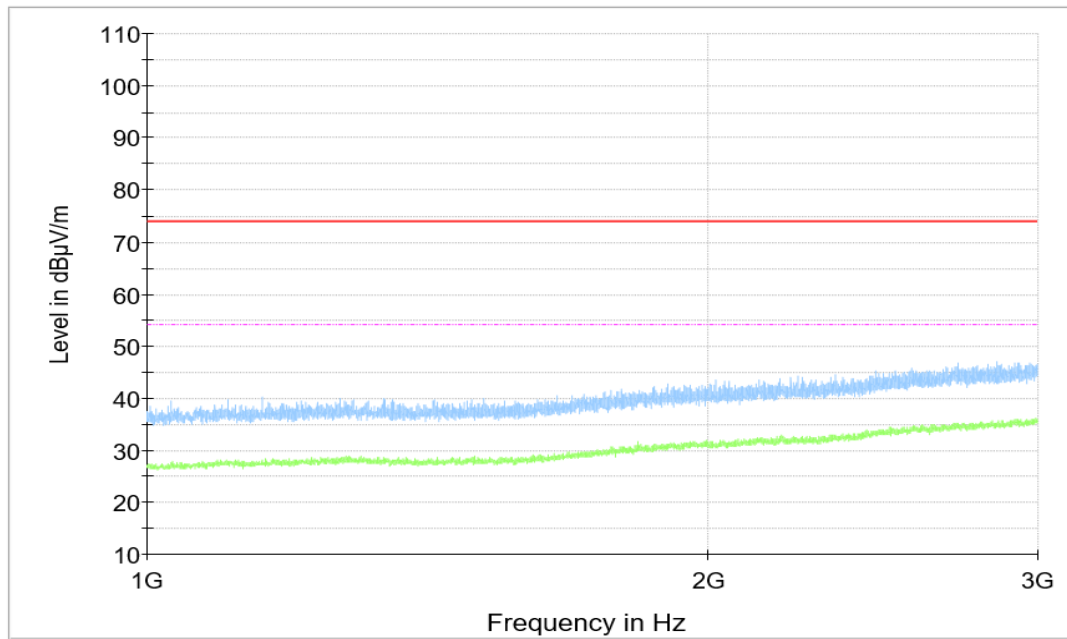


Figure A.1.77. Radiated Emission (Data Transfer: TF Card to PC,1GHz to 3GHz)

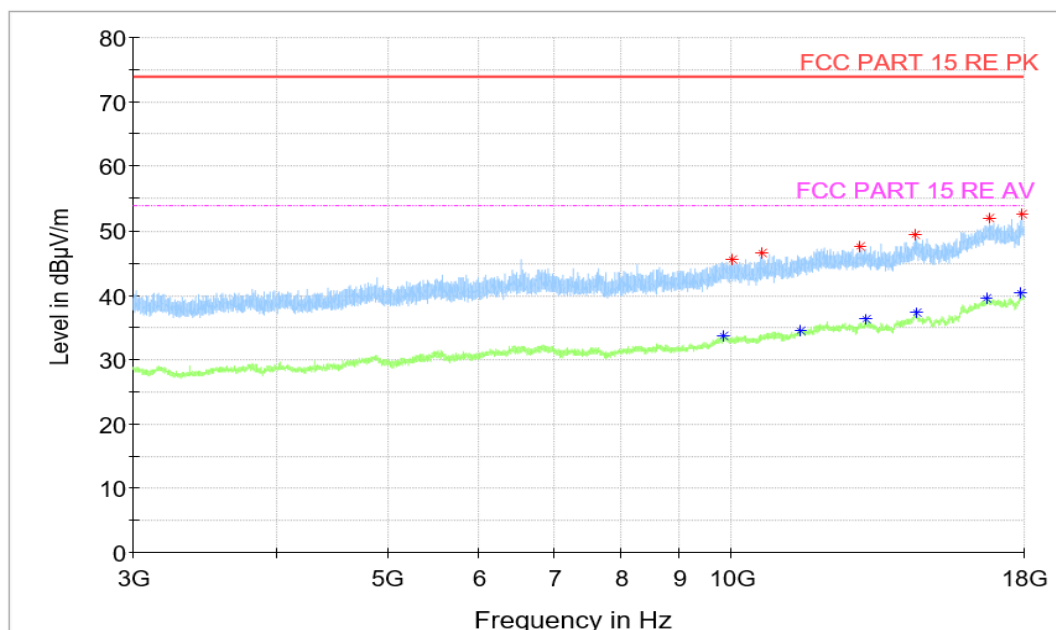


Figure A.1.78. Radiated Emission (Data Transfer: TF Card to PC,3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
10009.500000	45.53	74.00	28.47	V	5.4	40.13
10622.500000	46.47	74.00	27.53	H	5.5	40.97
12946.000000	47.56	74.00	26.44	V	9.3	38.26
14456.000000	49.37	74.00	24.63	H	11.7	37.67
16805.500000	51.93	74.00	22.07	V	15.8	36.13
17950.500000	52.68	74.00	21.32	H	17.2	35.48

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9847.000000	33.64	54.00	20.36	H	5.2	28.44
11490.000000	34.51	54.00	19.49	V	7.0	27.51
13124.500000	36.23	54.00	17.77	V	9.8	26.43
14507.500000	37.32	54.00	16.68	H	11.7	25.62
16688.500000	39.46	54.00	14.54	V	15.3	24.16
17915.500000	40.35	54.00	13.65	H	17.2	23.15

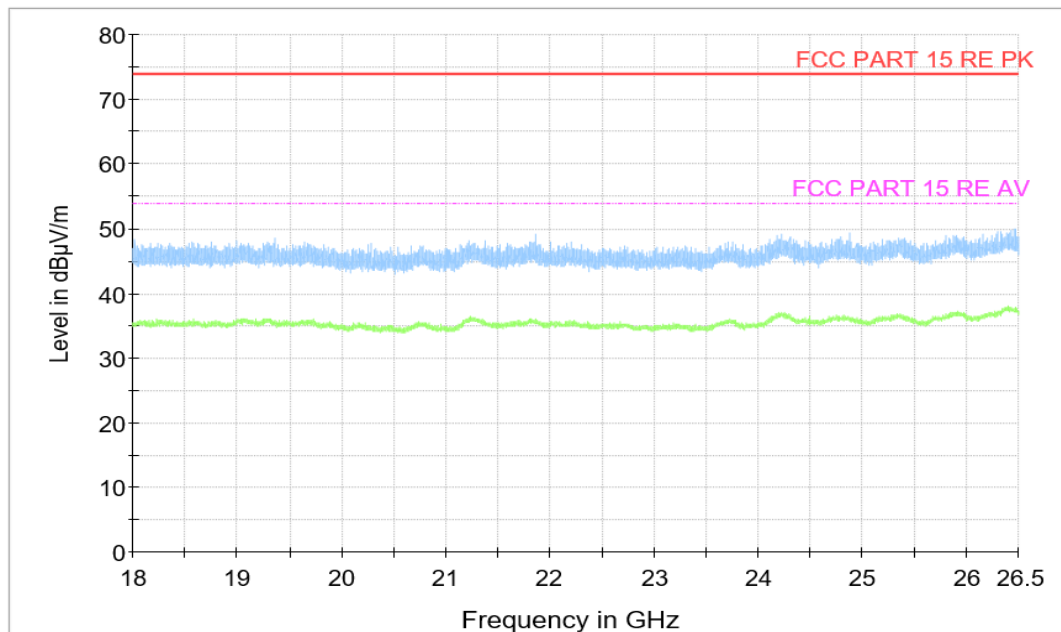


Figure A.1.79. Radiated Emission (Data Transfer: TF Card to PC,18GHz to 26.5GHz)

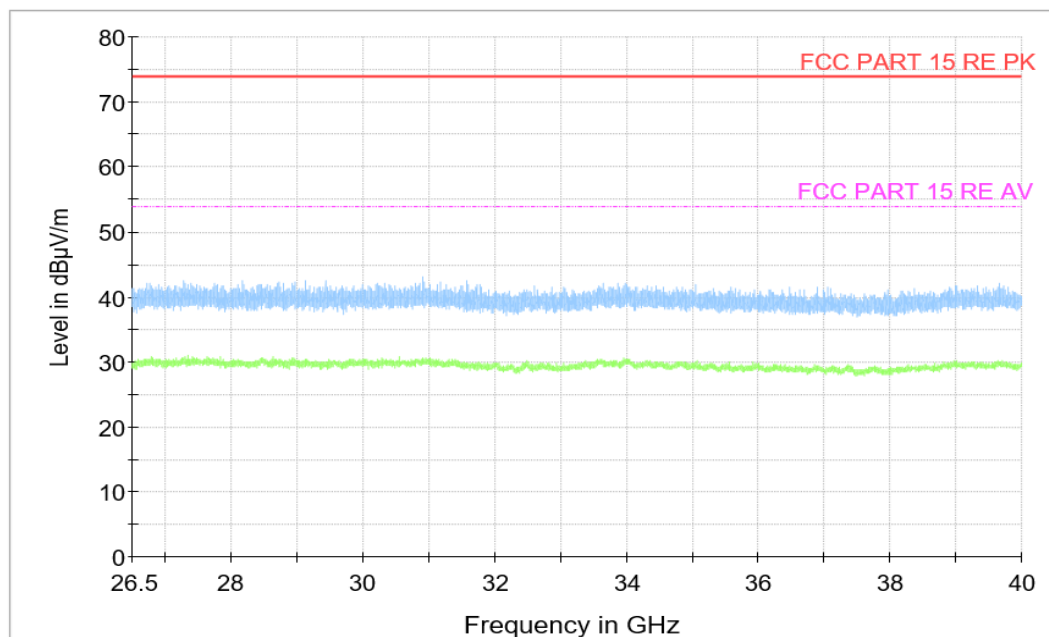


Figure A.1.80. Radiated Emission (Data Transfer: TF Card to PC, 26.5GHz to 40GHz)

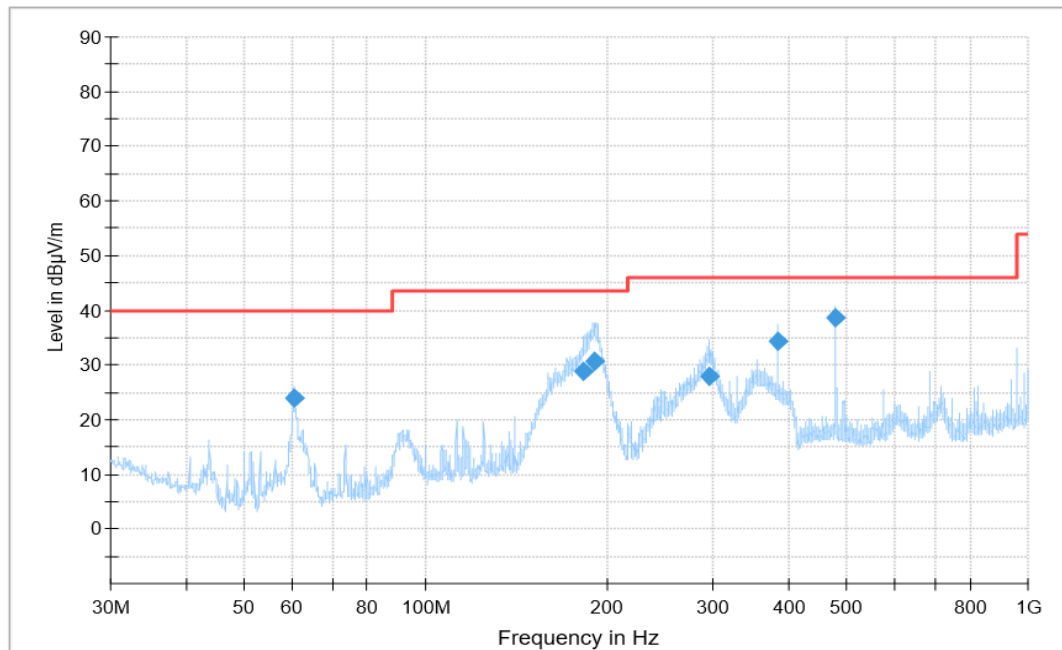


Figure A.1.81. Radiated Emission (Data Transfer: TF Card to PC,30MHz to 1GHz)

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	ARpl (dB/m)	PMea (dBμV)
60.481111	23.89	40.00	16.11	V	-36.8	60.69
183.266111	28.78	43.50	14.72	H	-33.6	62.38
191.133889	30.72	43.50	12.78	H	-33.4	64.12
295.923333	28.03	46.00	17.97	H	-29.4	57.43
384.016111	34.23	46.00	11.77	H	-26.6	60.83
479.992222	38.65	46.00	7.36	H	-23.8	62.45

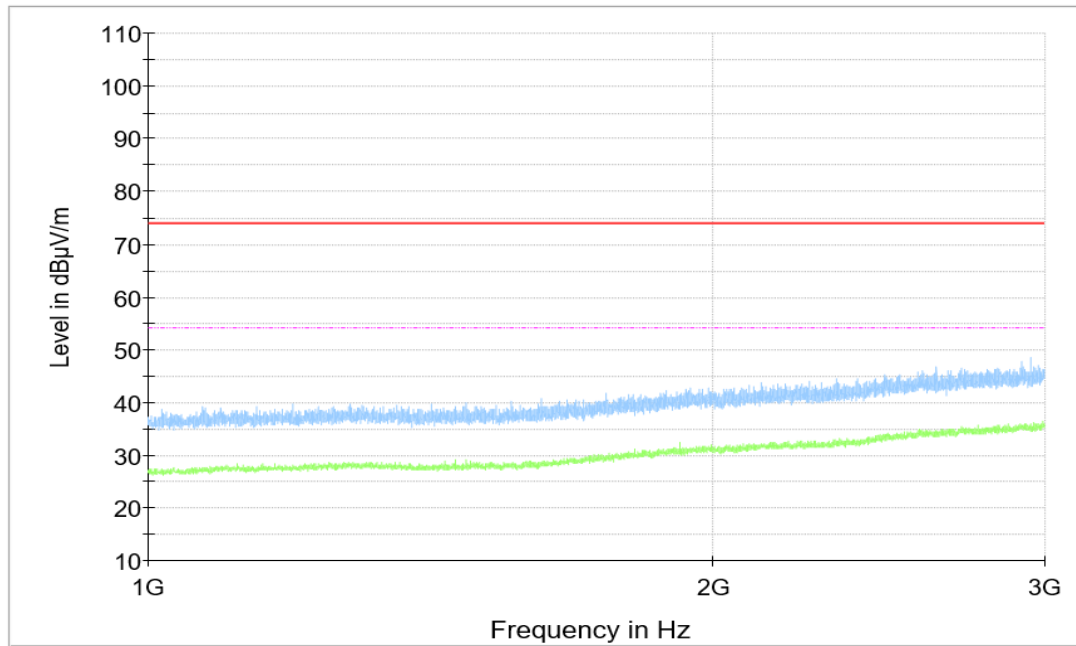


Figure A.1.82. Radiated Emission (Data Transfer: TF Card to PC,1GHz to 3GHz)

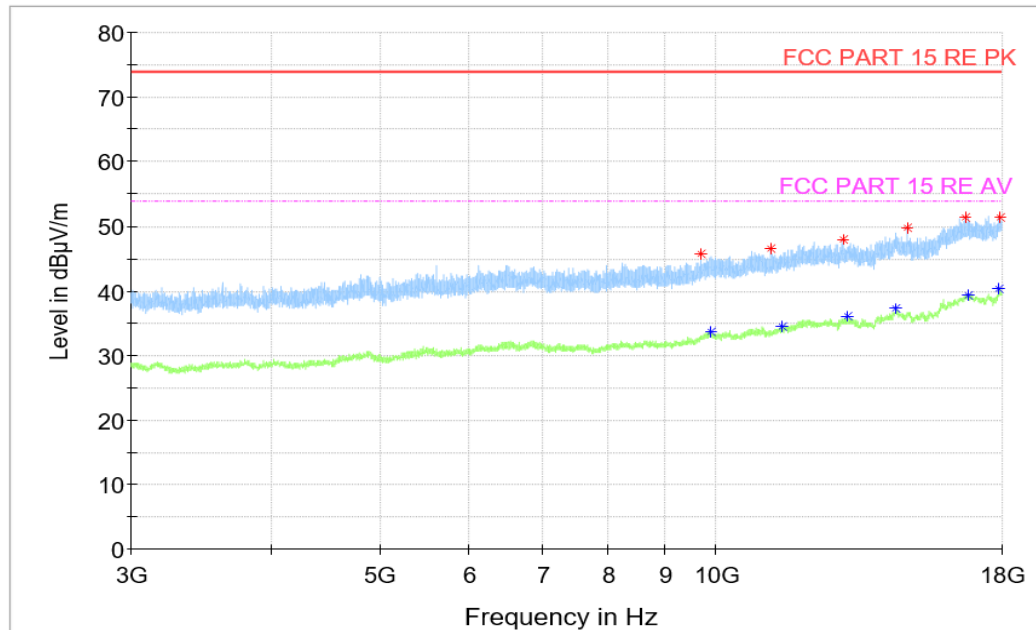


Figure A.1.83. Radiated Emission (Data Transfer: TF Card to PC, 3GHz to 18GHz)

Final_Results_PK

Frequency(MHz)	Peak (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9687.500000	45.71	74.00	28.29	V	4.7	41.01
11190.000000	46.62	74.00	27.38	V	6.2	40.42
12979.500000	47.90	74.00	26.10	V	9.1	38.80
14811.500000	49.77	74.00	24.23	H	11.2	38.57
16719.500000	51.43	74.00	22.57	V	15.4	36.03
17941.000000	51.31	74.00	22.69	V	17.2	34.11

Final_Results_AVG

Frequency(MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin(dB)	Polarity	ARpl (dB/m)	PMea (dBμV)
9889.000000	33.70	54.00	20.30	H	5.3	28.40
11466.500000	34.40	54.00	19.60	H	6.7	27.70
13097.000000	35.98	54.00	18.02	H	9.8	26.18
14466.000000	37.33	54.00	16.67	H	11.7	25.63
16786.000000	39.31	54.00	14.69	V	15.8	23.51
17910.000000	40.20	54.00	13.80	H	17.4	22.80

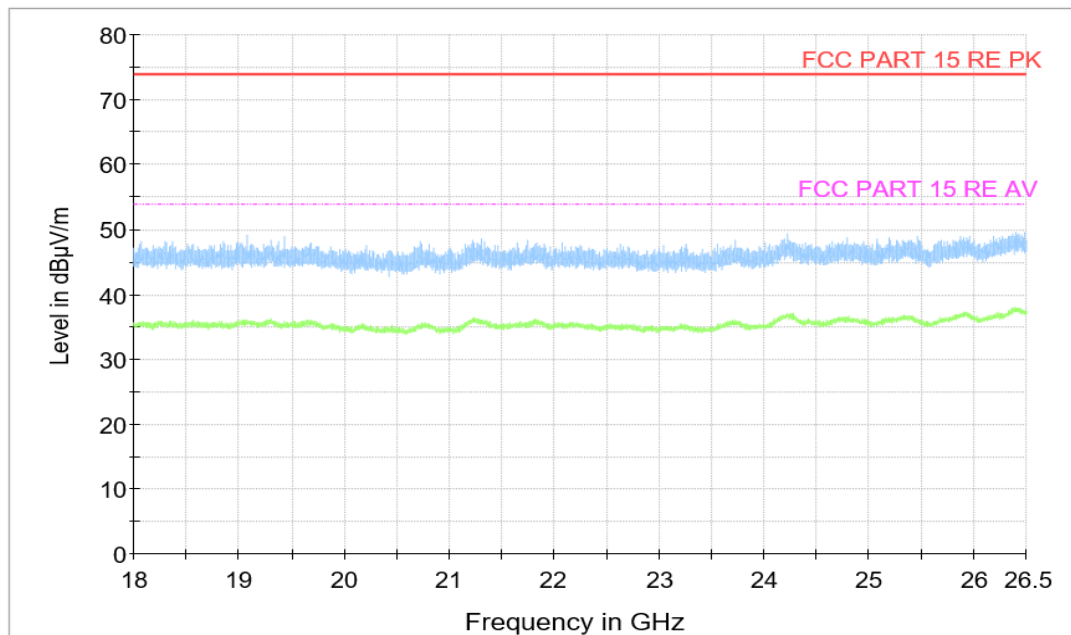


Figure A.1.84. Radiated Emission (Data Transfer: TF Card to PC,18GHz to 26.5GHz)

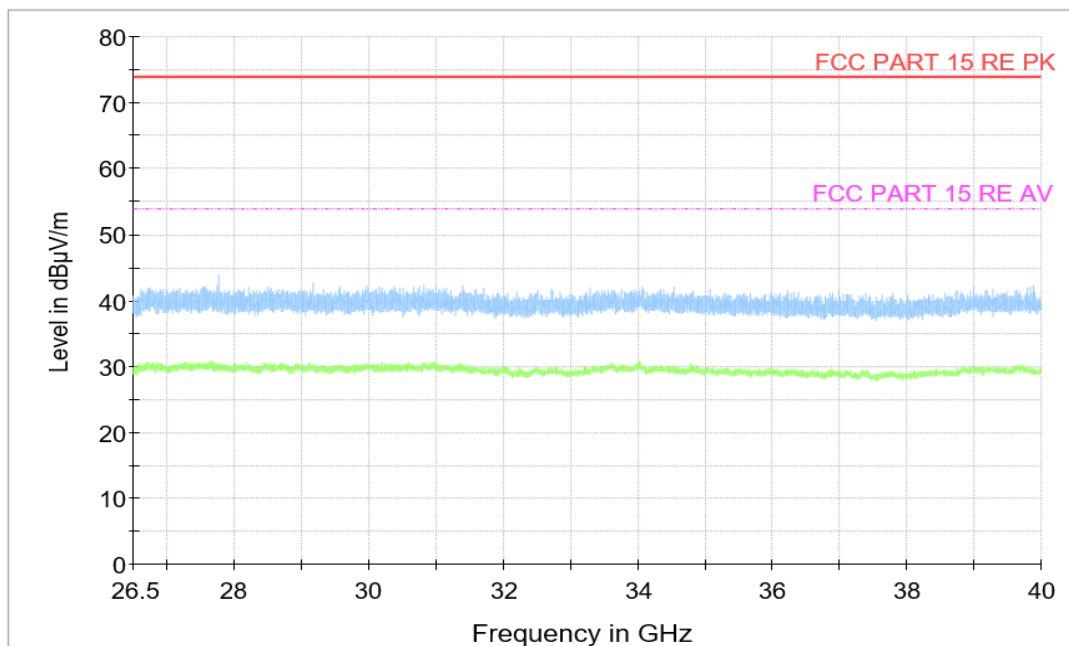


Figure A.1.85. Radiated Emission (Data Transfer: TF Card to PC, 26.5GHz to 40GHz)

A.2 Conducted Emission (§15.107(a))**Reference**

FCC: CFR Part 15.107(a)

A.2.1 Method of measurement

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

A.2.2 EUT Operating Mode:

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

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

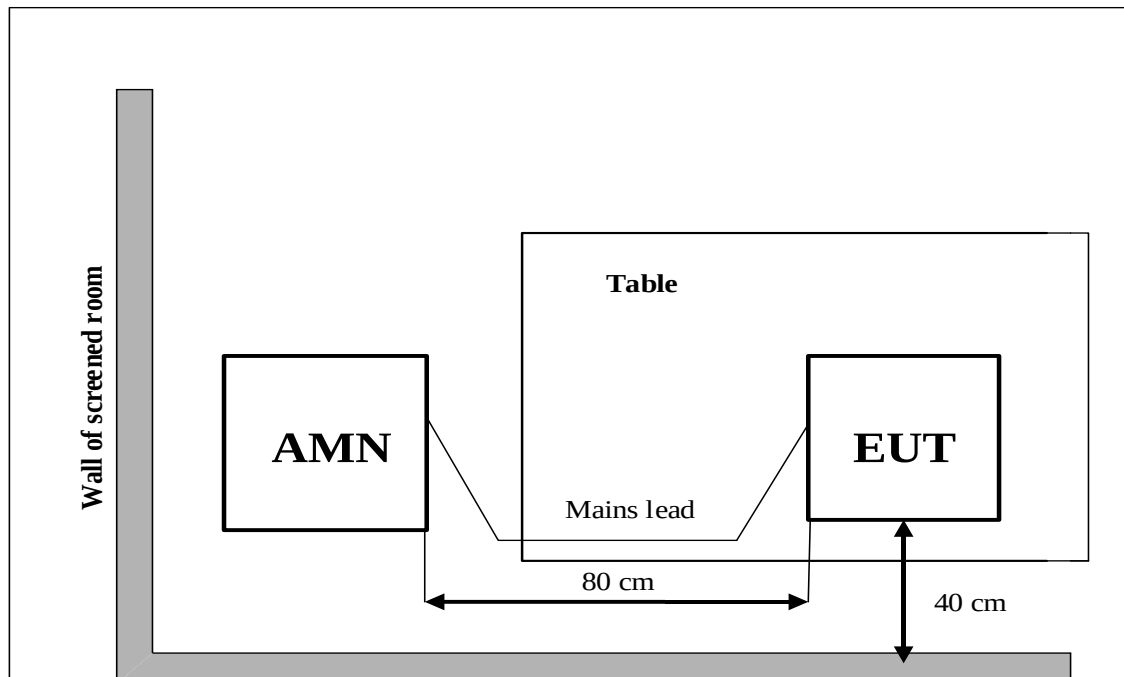
Video Player: The EUT is connected to a charger for charging and keeping on playing mp3.

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

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (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

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

Where

Corr: PathLoss + Voltage Division Factor

PMea: Measurement result on receiver.

Camera

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/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 (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/Set.1	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.2	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Camera

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/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.				

FM receiver

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/Set.5	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.4	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/Set.3	
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.				

Data Transfer

AC Input Port/ Voltage: 120V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/Set.4	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.6	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/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.				

Video Player

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/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.				

Camera

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/Set.2	
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.				

FM receiver

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/Set.5	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.10	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/Set.3	
0.15 to 0.5	66 to 56	56 to 46	See Figure A.2.11	P
0.5 to 5	56	46		
5 to 30	60	50		
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

Data Transfer

AC Input Port/ Voltage: 240V/60Hz

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)	Result (dBμV)	Conclusion
			UT14aa/Set.4	
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.				

AC Input Port/ Voltage: 120V/60Hz

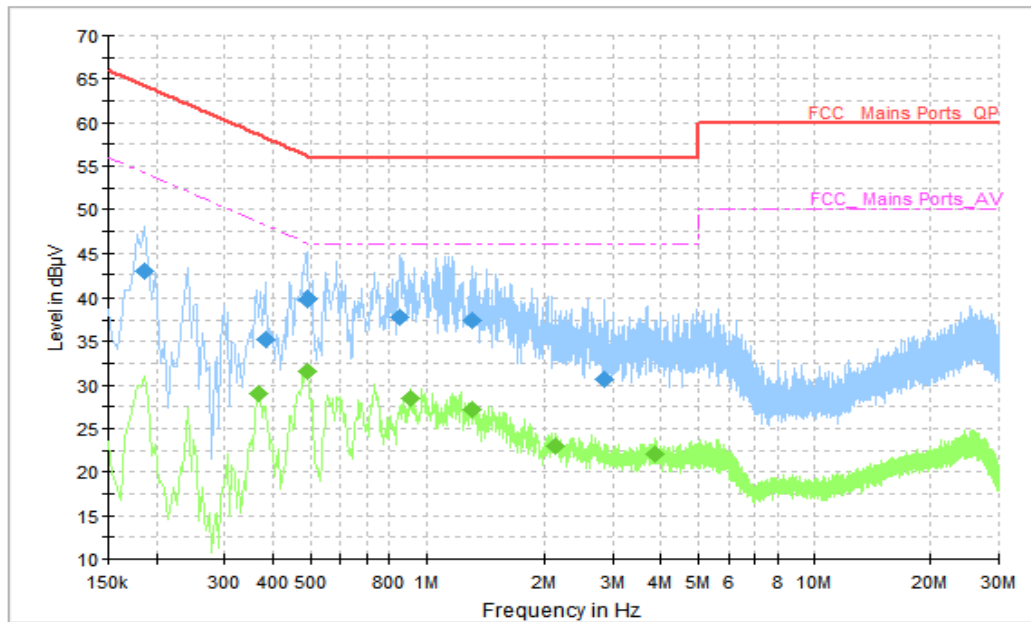


Figure A.2.1 Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.186000	42.91	64.21	21.30	N	10	32.91
0.382000	35.29	58.24	22.95	L1	10	25.29
0.490000	39.86	56.17	16.31	L1	10	29.86
0.850000	37.79	56.00	18.21	L1	10	27.79
1.310000	37.47	56.00	18.53	L1	10	27.47
2.862000	30.72	56.00	25.28	L1	10	20.72

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.366000	28.97	48.59	19.62	L1	10	18.97
0.490000	31.58	46.17	14.58	L1	10	21.58
0.906000	28.51	46.00	17.49	L1	10	18.51
1.310000	27.15	46.00	18.85	L1	10	17.15
2.142000	23.06	46.00	22.94	L1	10	13.06
3.874000	22.14	46.00	23.86	L1	10	12.14

AC Input Port/ Voltage: 120V/60Hz

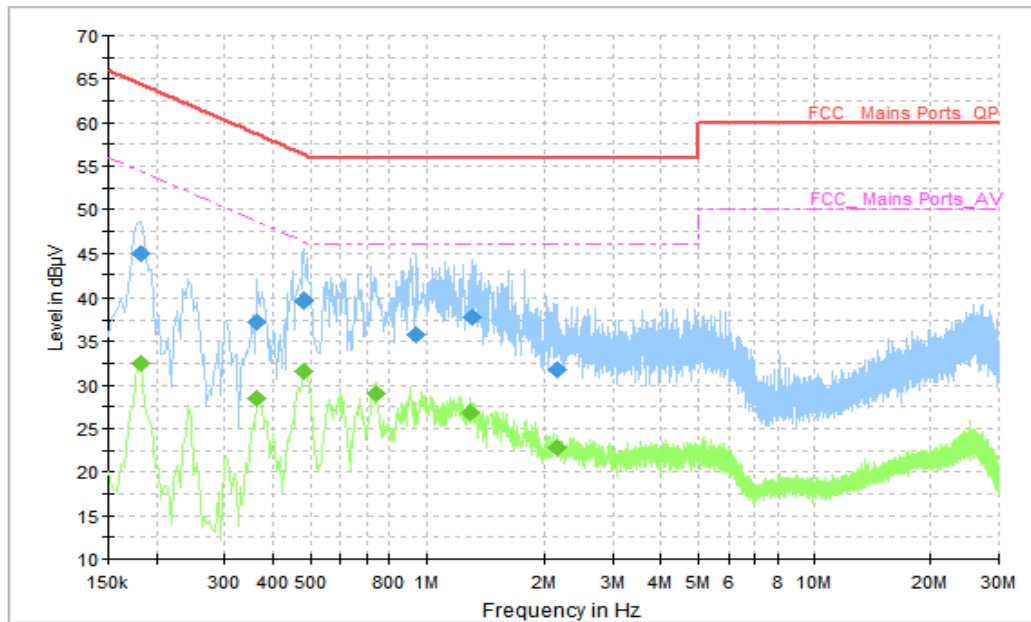


Figure A.2.2 Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.182000	44.88	64.39	19.51	N	10	34.88
0.362000	37.28	58.68	21.40	L1	10	27.28
0.482000	39.70	56.31	16.60	L1	10	29.70
0.942000	35.83	56.00	20.17	L1	10	25.83
1.306000	37.77	56.00	18.23	L1	10	27.77
2.158000	31.78	56.00	24.22	L1	10	21.78

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.182000	32.50	54.39	21.89	L1	10	22.50
0.362000	28.46	48.68	20.23	L1	10	18.46
0.482000	31.61	46.31	14.69	L1	10	21.61
0.738000	29.10	46.00	16.90	L1	10	19.10
1.294000	26.83	46.00	19.17	L1	10	16.83
2.158000	22.79	46.00	23.21	L1	10	12.79

AC Input Port/ Voltage: 120V/60Hz

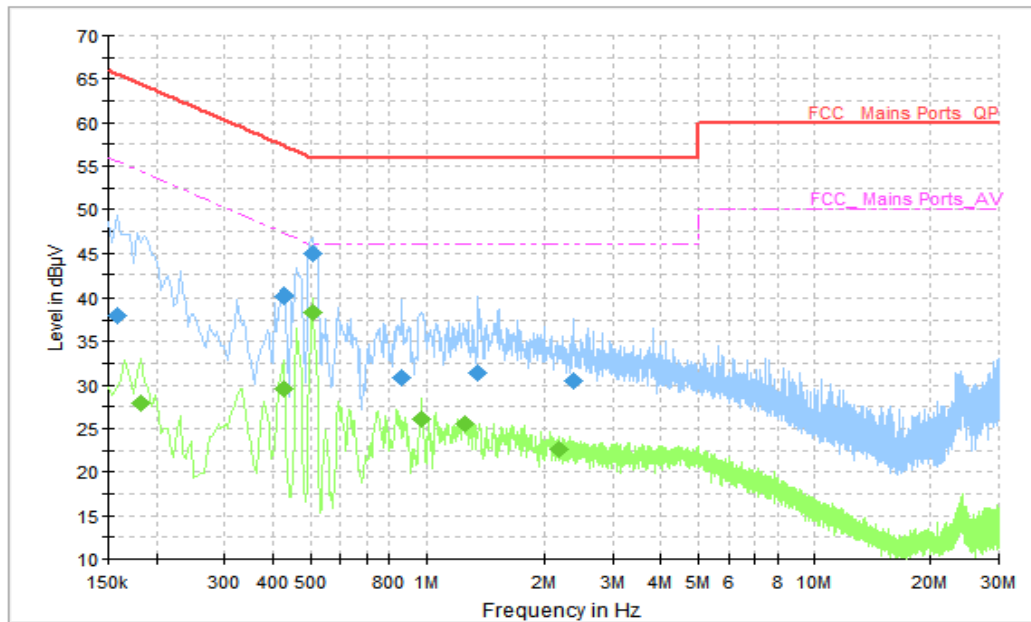


Figure A.2.3 Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.158000	37.96	65.57	27.61	N	10	27.96
0.426000	40.22	57.33	17.11	N	10	30.22
0.506000	45.02	56.00	10.98	N	10	35.02
0.866000	30.86	56.00	25.15	L1	10	20.86
1.358000	31.39	56.00	24.61	L1	10	21.39
2.382000	30.48	56.00	25.52	L1	10	20.48

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.182000	27.92	54.39	26.47	N	10	17.92
0.426000	29.49	47.33	17.84	N	10	19.49
0.506000	38.27	46.00	7.73	N	10	28.27
0.970000	26.03	46.00	19.97	N	10	16.03
1.254000	25.64	46.00	20.36	N	10	15.64
2.174000	22.66	46.00	23.34	N	10	12.66

AC Input Port/ Voltage: 120V/60Hz

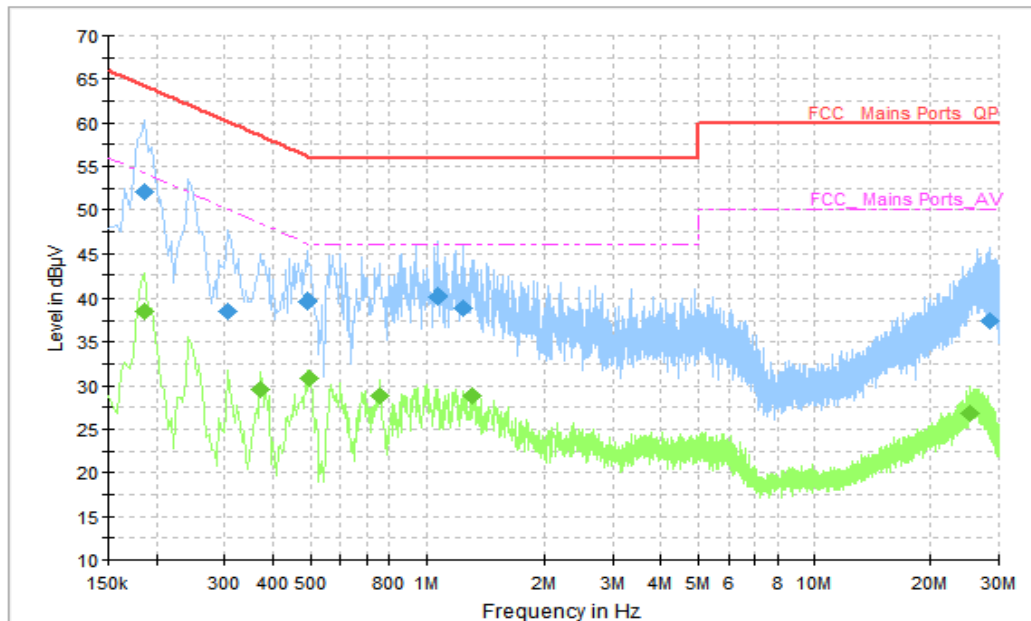


Figure A.2.4 Conducted Emission (FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.186000	52.15	64.21	12.06	N	10	42.15
0.306000	38.48	60.08	21.60	N	10	28.48
0.490000	39.71	56.17	16.46	L1	10	29.71
1.066000	40.10	56.00	15.90	L1	10	30.10
1.250000	38.86	56.00	17.14	L1	10	28.86
28.454000	37.51	60.00	22.49	L1	10	27.51

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.186000	38.45	54.21	15.76	L1	10	28.45
0.370000	29.53	48.50	18.97	L1	10	19.53
0.498000	30.88	46.03	15.16	L1	10	20.88
0.758000	28.80	46.00	17.20	L1	10	18.80
1.314000	28.93	46.00	17.07	L1	10	18.93
25.190000	26.89	50.00	23.11	L1	10	16.89

AC Input Port/ Voltage: 120V/60Hz

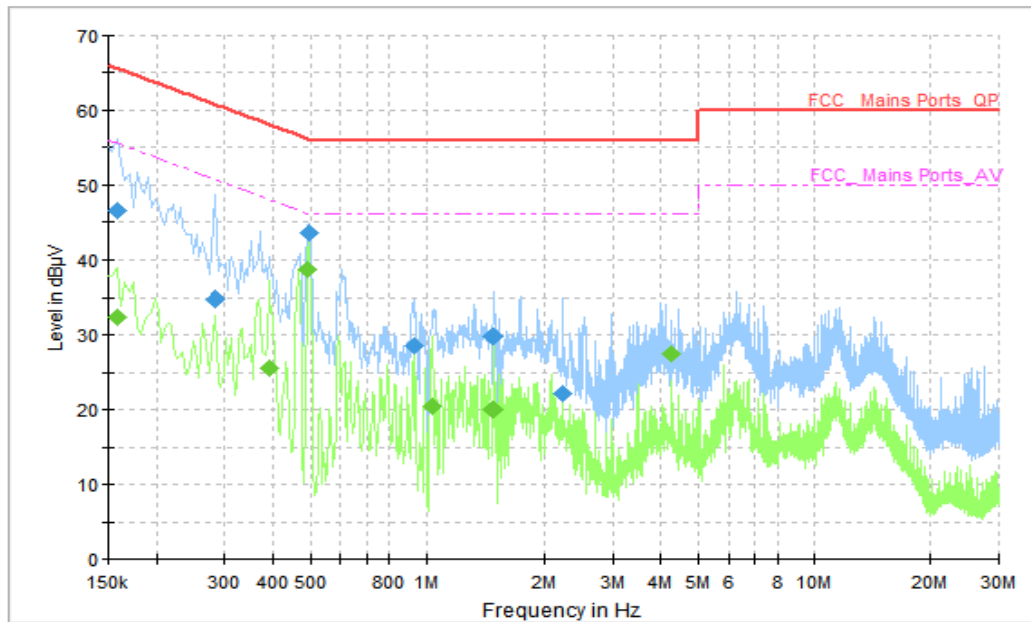


Figure A.2.5 Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.158000	46.61	65.57	18.96	N	10	36.61
0.282000	34.69	60.76	26.06	N	10	24.69
0.498000	43.50	56.03	12.53	N	10	33.50
0.926000	28.61	56.00	27.39	N	10	18.61
1.482000	29.86	56.00	26.14	N	10	19.86
2.226000	22.29	56.00	33.71	N	10	12.29

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.158000	32.43	55.57	23.14	N	10	22.43
0.390000	25.53	48.06	22.54	N	10	15.53
0.494000	38.62	46.10	7.48	N	10	28.62
1.034000	20.59	46.00	25.41	N	10	10.59
1.474000	20.05	46.00	25.95	N	10	10.05
4.258000	27.61	46.00	18.39	L1	10	17.61

AC Input Port/ Voltage: 120V/60Hz

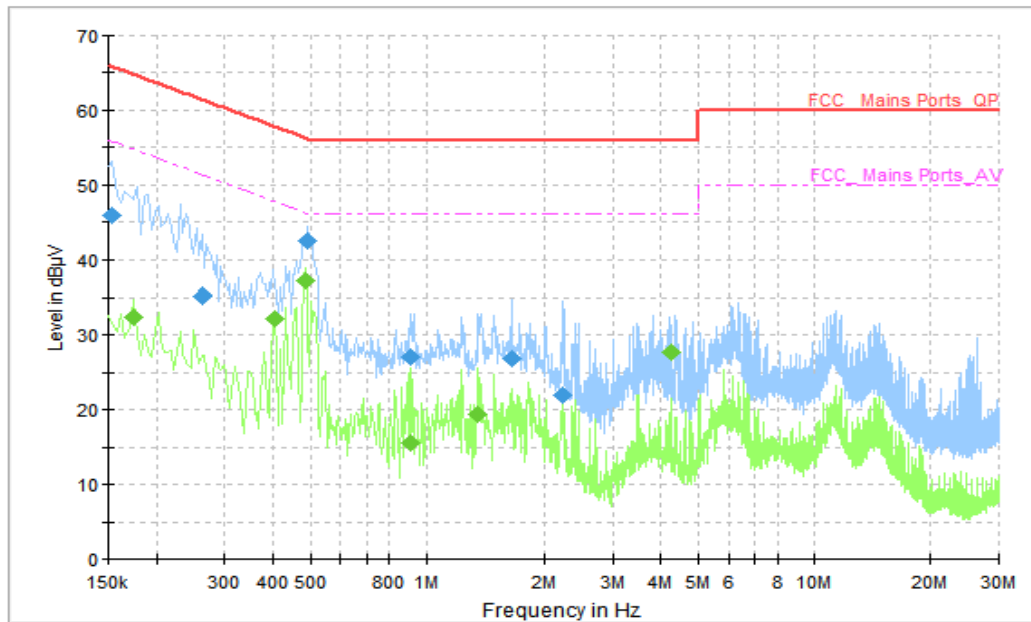


Figure A.2.6 Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.154000	45.89	65.78	19.90	L1	10	35.89
0.262000	35.11	61.37	26.26	L1	10	25.11
0.494000	42.56	56.10	13.54	N	10	32.56
0.914000	27.12	56.00	28.88	N	10	17.12
1.650000	26.95	56.00	29.05	N	10	16.95
2.238000	22.01	56.00	33.99	N	10	12.01

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.174000	32.52	54.77	22.25	N	10	22.52
0.406000	32.13	47.73	15.60	N	10	22.13
0.486000	37.23	46.24	9.00	L1	10	27.23
0.906000	15.60	46.00	30.40	N	10	5.60
1.358000	19.38	46.00	26.62	N	10	9.38
4.258000	27.69	46.00	18.31	N	10	17.69

AC Input Port/ Voltage: 240V/60Hz

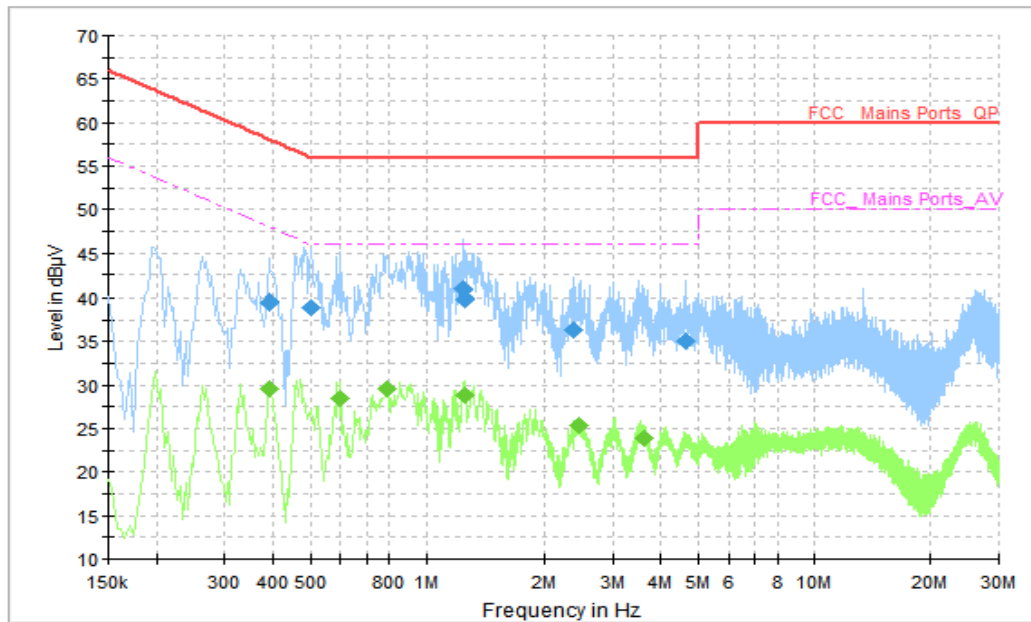


Figure A.2.7 Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.390000	39.50	58.06	18.56	N	10	29.50
0.502000	38.91	56.00	17.09	N	10	28.91
1.246000	40.88	56.00	15.12	N	10	30.88
1.262000	39.87	56.00	16.13	N	10	29.87
2.386000	36.40	56.00	19.60	N	10	26.4
4.614000	35.04	56.00	20.96	N	10	25.04

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.394000	29.64	47.98	18.34	N	10	19.64
0.594000	28.43	46.00	17.57	N	10	18.43
0.790000	29.65	46.00	16.35	N	10	19.65
1.262000	28.86	46.00	17.14	N	10	18.86
2.458000	25.35	46.00	20.65	N	10	15.35
3.614000	23.95	46.00	22.05	N	10	13.95

AC Input Port/ Voltage: 240V/60Hz

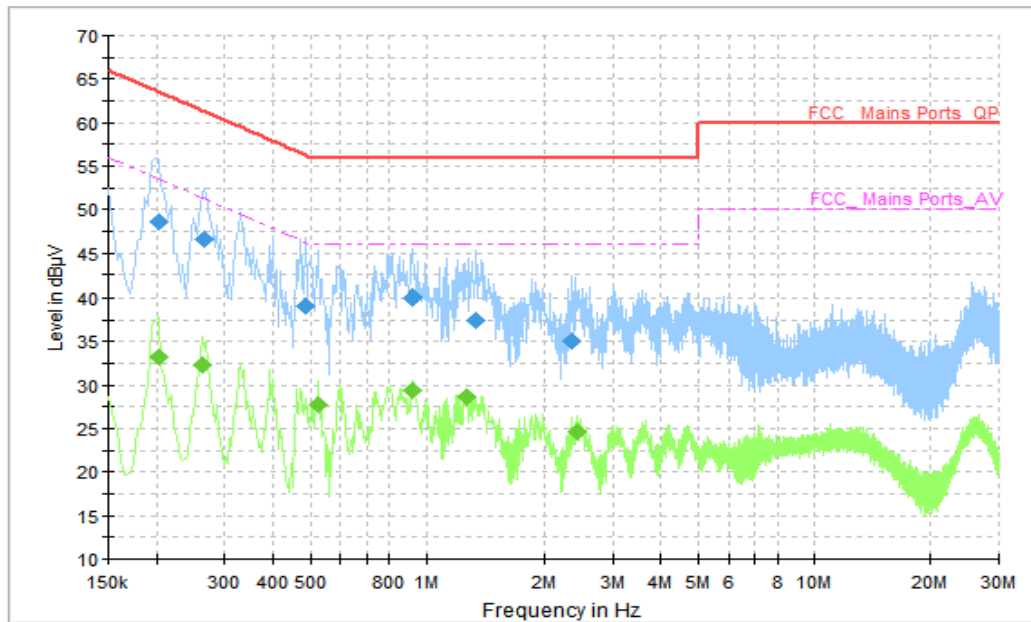


Figure A.2.8 Conducted Emission (Video Player)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.202000	48.63	63.53	14.90	N	10	38.63
0.266000	46.50	61.24	14.75	L1	10	36.50
0.486000	39.15	56.24	17.09	N	10	29.15
0.918000	39.98	56.00	16.02	N	10	29.98
1.346000	37.52	56.00	18.48	N	10	27.52
2.358000	35.13	56.00	20.87	N	10	25.13

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.202000	33.25	53.53	20.28	N	10	23.25
0.262000	32.23	51.37	19.14	N	10	22.23
0.526000	27.77	46.00	18.23	N	10	17.77
0.918000	29.43	46.00	16.57	N	10	19.43
1.270000	28.64	46.00	17.36	N	10	18.64
2.430000	24.70	46.00	21.30	N	10	14.70

AC Input Port/ Voltage: 240V/60Hz

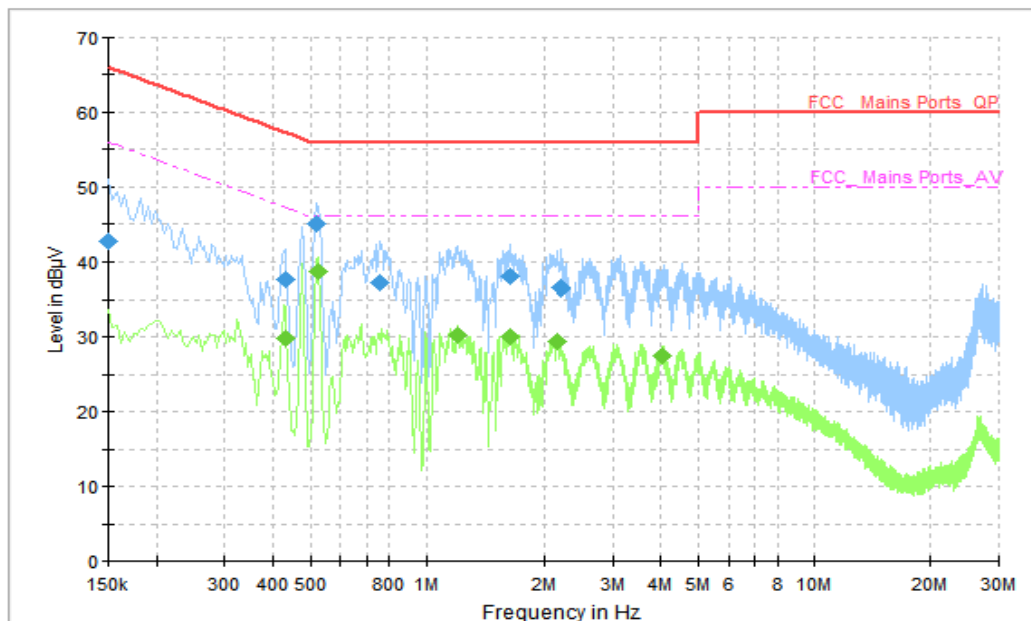


Figure A.2.9 Conducted Emission (Camera)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.150000	42.63	66.00	23.37	N	10	32.63
0.430000	37.57	57.25	19.68	N	10	27.57
0.518000	45.06	56.00	10.94	N	10	35.06
0.758000	37.23	56.00	18.77	N	10	27.23
1.626000	37.93	56.00	18.07	N	10	27.93
2.202000	36.42	56.00	19.58	N	10	26.42

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.430000	29.82	47.25	17.44	N	10	19.82
0.522000	38.54	46.00	7.46	N	10	28.54
1.202000	30.39	46.00	15.61	N	10	20.39
1.622000	30.12	46.00	15.88	N	10	20.12
2.146000	29.53	46.00	16.47	N	10	19.53
4.018000	27.43	46.00	18.57	N	10	17.43

AC Input Port/ Voltage: 240V/60Hz

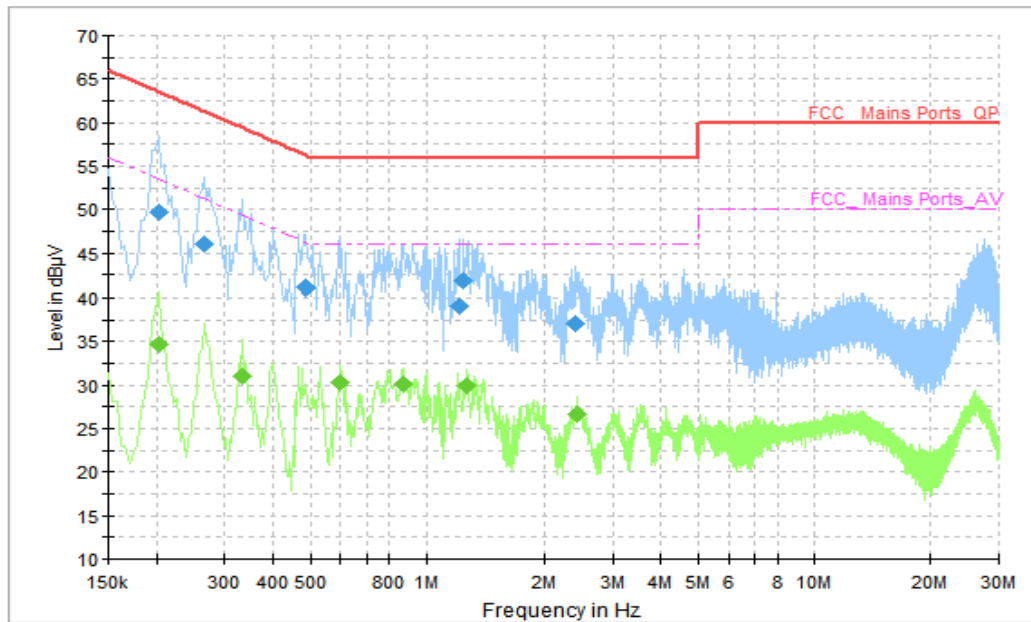


Figure A.2.10 Conducted Emission (FM receiver)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.202000	49.75	63.53	13.78	N	10	39.75
0.266000	45.98	61.24	15.27	N	10	35.98
0.486000	41.07	56.24	15.16	N	10	31.07
1.214000	39.02	56.00	16.98	N	10	29.02
1.250000	41.79	56.00	14.21	N	10	31.79
2.394000	37.05	56.00	18.95	N	10	27.05

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.202000	34.72	53.53	18.80	N	10	24.72
0.334000	31.03	49.35	18.32	N	10	21.03
0.598000	30.35	46.00	15.65	N	10	20.35
0.874000	30.07	46.00	15.93	N	10	20.07
1.274000	30.00	46.00	16.00	N	10	20
2.418000	26.71	46.00	19.29	N	10	16.71

AC Input Port/ Voltage: 240V/60Hz

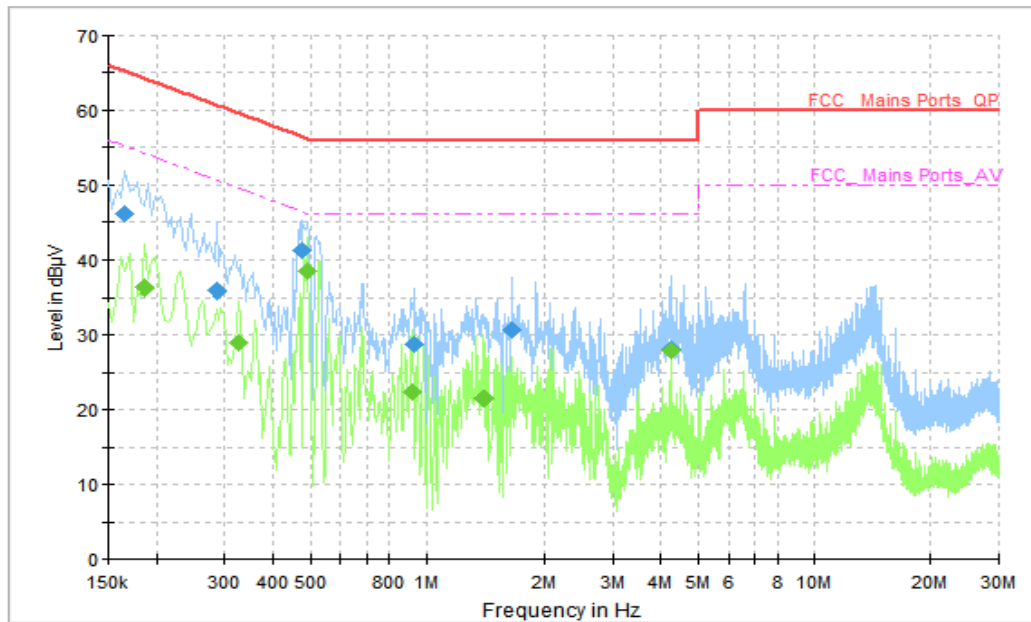


Figure A.2.11 Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.166000	46.09	65.16	19.06	L1	10	36.09
0.286000	35.82	60.64	24.82	N	10	25.82
0.478000	41.25	56.37	15.13	N	10	31.25
0.930000	28.84	56.00	27.16	N	10	18.84
1.642000	30.66	56.00	25.34	N	10	20.66
4.242000	28.14	56.00	27.86	N	10	18.14

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.186000	36.27	54.21	17.95	L1	10	26.27
0.326000	28.92	49.55	20.64	N	10	18.92
0.490000	38.49	46.17	7.68	N	10	28.49
0.918000	22.50	46.00	23.50	N	10	12.50
1.398000	21.56	46.00	24.44	N	10	11.56
4.258000	27.87	46.00	18.13	N	10	17.87

AC Input Port/ Voltage: 240V/60Hz

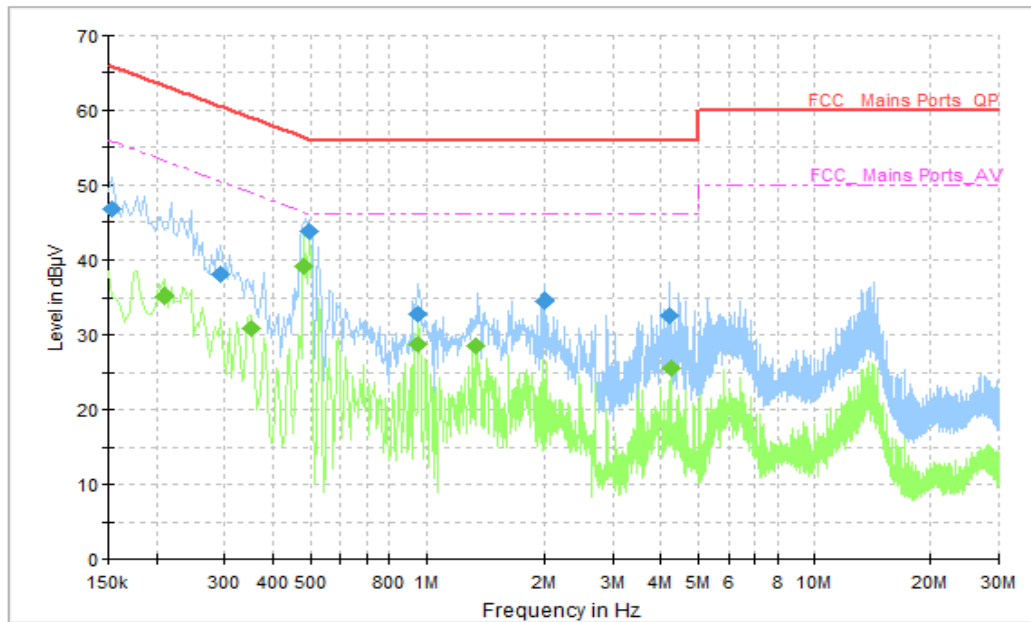


Figure A.2.12 Conducted Emission (Data Transfer)

Final_Result_QPK

Frequency (MHz)	QuasiPeak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.154000	46.78	65.78	19.01	N	10	36.78
0.294000	37.95	60.41	22.46	L1	10	27.95
0.498000	43.70	56.03	12.33	L1	10	33.70
0.954000	32.84	56.00	23.16	N	10	22.84
1.994000	34.62	56.00	21.38	L1	10	24.62
4.222000	32.64	56.00	23.36	L1	10	22.64

Final_Result_AVG

Frequency (MHz)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)	PMea (dBμV)
0.210000	35.32	53.21	17.88	N	10	25.32
0.350000	30.95	48.96	18.01	N	10	20.95
0.482000	39.09	46.31	7.22	N	10	29.09
0.950000	28.79	46.00	17.21	N	10	18.79
1.346000	28.66	46.00	17.34	N	10	18.66
4.258000	25.65	46.00	20.35	N	10	15.65

END OF REPORT