Certificate Number: 5055.02

TEST REPORT

Report No.:	SRTC2020-9003(F)-0069
Product Name:	LTE/WCDMA/GSM(GPRS) Multi-Mode Digital Mobile Phone
Model Name:	ZTE A7030
Applicant:	ZTE CORPORATION
Manufacturer:	ZTE CORPORATION
Specification:	FCC Part15B (Certification) (2020 edition)
FCC ID:	SRQ-ZTEA7030

The State Radio_monitoring_center Testing Center (SRTC)

15th Building, No.30 Shixing Street, Shijingshan District,

Beijing, China

Tel: 86-10-57996183 Fax: 86-10-57996388

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1. General information

1.1 Notes of the test report

The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written permission of The State Radio_monitoring_center Testing Center (SRTC).
The test results relate only to individual items of the samples which have been tested.

1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
Address:	15th Building, No.30 Shixing Street, Shijingshan District
Testing location:	No.80, Zhaojiachang, BeizangCun, Daxing District, Beijing, China.
City:	Beijing
Country or Region:	China
Contacted person:	Liu Jia
Tel:	+86 10 57996183
Fax:	+86 10 57996388
Email:	liujiaf@srtc.org.cn

1.3 Applicant's details

Company:	ZTE CORPORATION
Address:	Electronic Testing Building, No. 43 Shahe Road, Xili street, Nanshan District, Guangdong, China
City:	Shenzhen
Country or Region:	China
Contacted person:	Ren Shijia
Tel:	+86-13709193069
Email:	ren.shijia@zte.com.cn

1.4 Manufacturer's details

Company:	ZTE CORPORATION
Address:	Electronic Testing Building, No. 43 Shahe Road, Xili street, Nanshan District, Guangdong, China
City:	Shenzhen
Country or Region:	China
Contacted person:	Ren Shijia
Tel:	+86-13709193069
Email:	ren.shijia@zte.com.cn

1.5 Application details

Date of reception of test sample: 14th December 2020
Date of test: 14th December 2020 to 24th December 2020

1.6 Reference specification

FCC Part 15B, 2019 (Certification)

1.7 Information of EUT

1.7.1 General information

Name of EUT	LTE/WCDMA/GSM(GPRS) Multi-Mode Digital Mobile Phone
Model Name	ZTE A7030
FCC ID	SRQ-ZTEA7030
Frequency Range	GSM: GSM850 / PCS1900 WCDMA: FDD II / FDD IV / FDD V LTE: FDD 2/ FDD 4/ FDD 5/ FDD 7/ FDD 12/ FDD 17/FDD 26/FDD 66 Bluetooth: 2.4~2.4835GHz WiFi: 2.4~2.4835GHz
Equipment Class	Class B
Power Supply	Battery or Charger
Rated Power Supply Voltage	3.85V
Extreme Temperature	Lowest: -10°C Highest: +55°C
Extreme Voltage	Minimum: 3.6V Maximum: 4.4V
HW Version	ze6A
SW Version	TEL_MX_ZTE_A7030V1.0

1.7.2EUT details

Product Name	Model Name	IMEI
LTE/WCDMA/GSM(GPRS) Multi-Mode Digital Mobile Phone	ZTE A7030	860031050000730

1.7.3 Auxiliary equipment details

AE (Auxiliary Equipment) 1#: Laptop

Manufacturer	Lenovo
Model Number	E470c
S/N	PF10VBX6
Input Voltage	100V-240V AC

AE (Auxiliary Equipment) 2#: USB Cable1

Manufacturer	Dongguan Guojun Plastic Electronic Co.,Ltd
Model Number	USB-TC20-W-70-M-L

AE (Auxiliary Equipment) 3#: USB Cable2

Manufacturer	Shenzhen Luxshare Precision Industry Co.,Ltd.
Model Number	USB-TC20-W-70-M-L

AE (Auxiliary Equipment) 4#: Charger1

Manufacturer	RUIJING
Model Number	STC-A520A-Z
S/N	/
Input Voltage	100V-240V AC 400mA
Output Voltage	5.0VDC 2000mA

AE (Auxiliary Equipment) 5#: Charger2

Manufacturer	Chenyang
Model Number	STC-A520A-Z
S/N	/
Input Voltage	100V-240V AC 400mA
Output Voltage	5.0VDC 2000mA

AE (Auxiliary Equipment) 6#: Headset1

Manufacturer	JUWEI ELECTRONICS CO.,LTD
Model Number	JWEP1036-Z01R

AE (Auxiliary Equipment) 7#: Headset2

Manufacturer	ShenZhen FDC Electronic Co.,Ltd
Model Number	DEM-66

2.Test information

2.1 Summary of the test results

No.	Test case	FCC reference	Verdict
1	Conducted emissions	15.107	Pass
2	Radiated emissions	15.109	Pass

Approved By: Mr. LiuWei Director of the test department	Checked By：Mr. Guo Yu Vice director of the test department
Tested By: Mr. Wu Chengwang	Issued date: 2020.12.25

2.2 Test result

2.2.1Conducted Emissions-FCC Part15.107

Ambient condition:

Temperature	Relative humidity	Pressure
18.2°C	40.1%	100.8kPa

Test Setup with laptop:

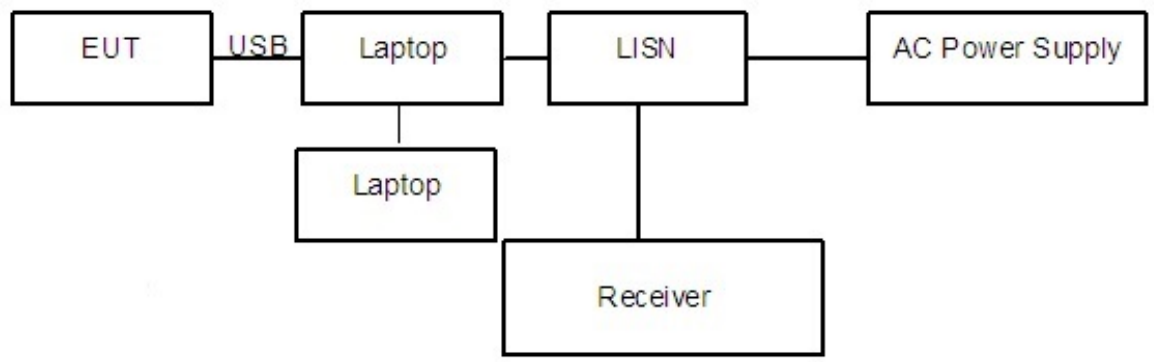


Figure 1

Test Procedure:

The EUT is placed on a non-metallic table 0.8m above the horizontal metal reference ground plane. The accessories of the EUT are connected with the EUT such as headset etc. The EUT was connected with a laptop via the USB cable and transferred the data by copying large files from laptop to the EUT. The laptop's LAN port is connected with another laptop via cable. And the data transferring between two laptops is maintained.
The AC main power supply of the laptop is connected to LISN and LISN is connected to the reference ground. The test set-up and the test methods are performed according to ANSI C63.4:2014.
Then start the test software EMC32. Sweep the whole frequency band through the range from 150 KHz to 30 MHz with RBW 9kHz, VBW 30kHz. The measurement should be done for both L line and N line. During pre-test, the receiver uses both peak detector and average detector. And the final test, the receiver uses both average detector and Quasi-peak detector.
The data of cable loss has been calibrated in full testing frequency range before the testing.

Test Setup with charger:

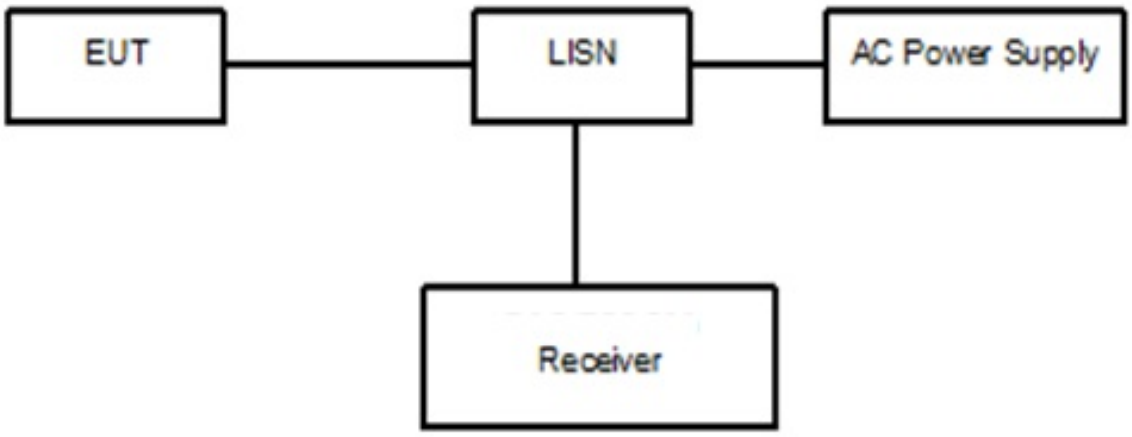


Figure 2

Test Procedure:

The EUT is placed on a non-matellic table 0.8m above the horizontal metal reference ground plane. The EUT is connected with LISN via the charger. The LISN is connected to the reference ground. The accessories of the EUT are connected with the EUT such as headset etc. Open the following functions of EUT: Camera, flash lamp, FM, GPS and video.
The test set-up and the test methods are performed according to ANSI C63.4:2014. Then start the test software EMC32. Sweep the whole frequency band through the range from 150 KHz to 30 MHz with RBW 9kHz, VBW 30kHz. The measurement should be done for both L line and N line. During pre-test, the receiver uses both peak detector and average detector. And the final test, the receiver uses both average detector and Quasi-peak detector.
The data of cable loss has been calibrated in full testing frequency range before the testing.
A “reference path loss” Corr.(dB) is established and the L_{cable}+ATT+VDF is the attenuation of ” reference path loss”, and including the cable loss, the attenuation of the attenuator, the voltage division factor of AMN.
The measurement results are obtained as described below:
$P_{result}=P_{mea}$+ Corr.(dB)

Sample calculation: (55.21 dBμV) = (25.61 dBμV) + (29.6 dB), the corresponding frequency is 0.179850MHz.

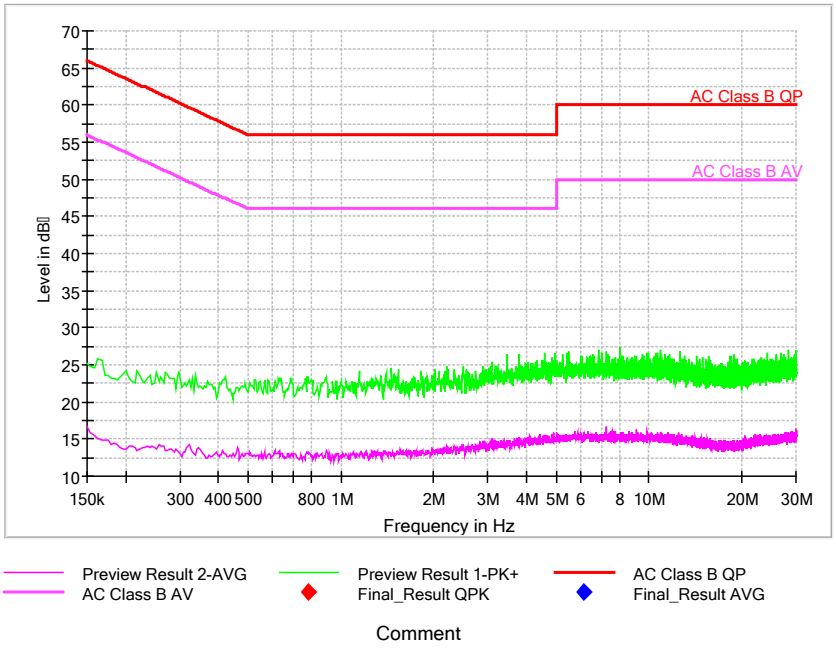
Limit:

Frequency of Emission(MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15～0.5	66 to 56*	56 to 46*
0.5～5	56	46
5～30	60	50

Note: * Decreases with the logarithm of the frequency

Test result:

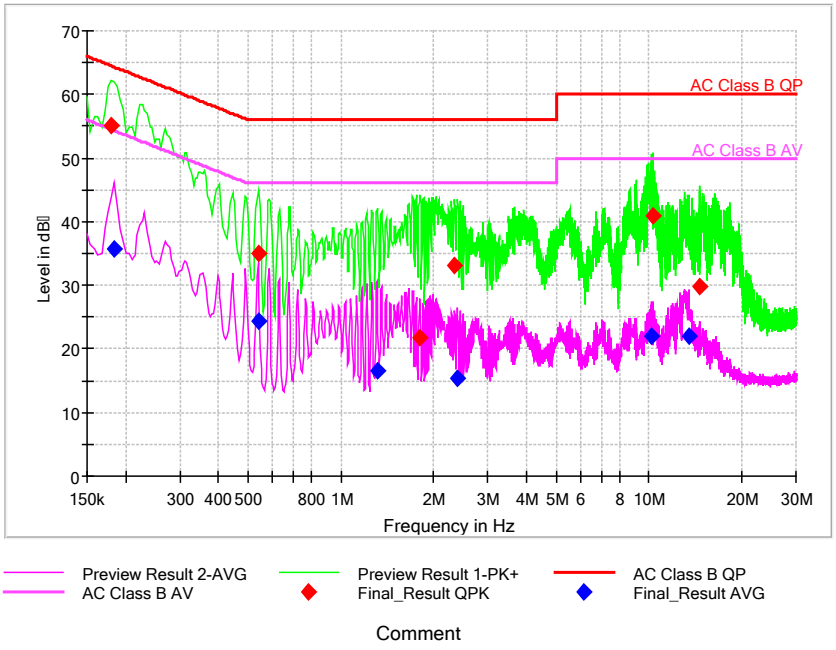
Noise Level of the Measuring Instrument



Pic1.Conducted emission L and N Line

240VAC：

EUT + 2#AE: USB Cable1+4# AE: Charger1+6# AE: Headset1:

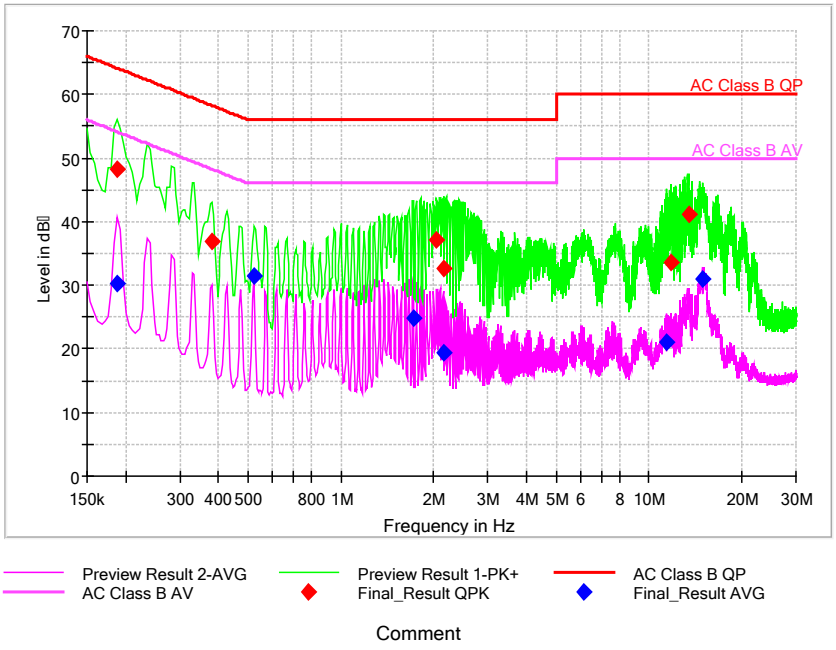


Pic2. Conducted emission L&N Line

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBµV)	Pmea Average (dBµV)
0.179850	55.21	---	64.49	9.29	L1	29.6	25.61	---
0.184114	---	35.67	54.30	18.63	L1	29.6	---	6.07
0.538050	---	24.28	46.00	21.72	L1	29.6	---	-5.32
0.542314	35.01	---	56.00	20.99	L1	29.6	5.41	---
1.309886	---	16.62	46.00	29.38	L1	29.7	---	-13.08
1.808807	21.67	---	56.00	34.33	L1	29.7	-8.03	---
2.337579	33.06	---	56.00	22.94	L1	29.7	3.36	---
2.393014	---	15.39	46.00	30.61	N	29.7	---	-14.31
10.230771	---	21.96	50.00	28.04	N	29.7	---	-7.74
10.277679	40.80	---	60.00	19.20	L1	29.7	11.1	---
13.446043	---	22.00	50.00	28.00	L1	29.8	---	-7.8
14.631514	29.81	---	60.00	30.19	L1	29.8	0.01	---

240VAC：

EUT + 3#AE: USB Cable2+5# AE: Charger2+7# AE: Headset2:

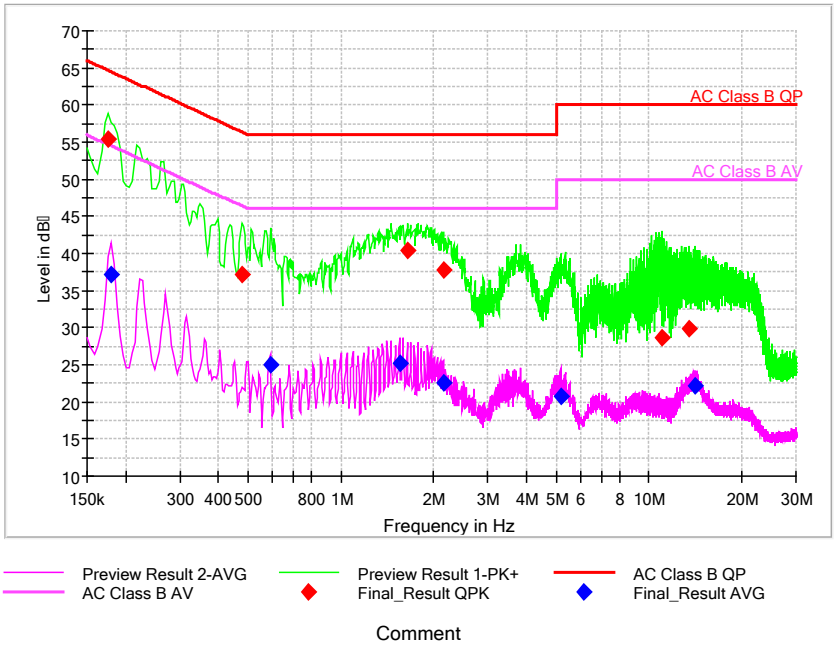


Pic3. Conducted emission L&N Line

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBµV)	Pmea Average (dBµV)
0.188379	---	30.24	54.11	23.87	L1	29.6	---	0.64
0.188379	48.32	---	64.11	15.78	L1	29.6	18.72	---
0.380271	36.90	---	58.27	21.37	L1	29.6	7.3	---
0.520993	---	31.37	46.00	14.63	N	29.6	---	1.77
1.714993	---	24.93	46.00	21.07	N	29.7	---	-4.77
2.039079	37.12	---	56.00	18.88	L1	29.7	7.42	---
2.145686	---	19.47	46.00	26.53	L1	29.7	---	-10.23
2.149950	32.68	---	56.00	23.32	L1	29.7	2.98	---
11.382129	---	20.93	50.00	29.07	L1	29.8	---	-8.87
11.804293	33.49	---	60.00	26.51	L1	29.8	3.69	---
13.428986	41.24	---	60.00	18.76	L1	29.8	11.44	---
14.904429	---	31.08	50.00	18.92	L1	29.8	---	1.28

120VAC：

EUT + 2#AE: USB Cable1+4# AE: Charger1+6# AE: Headset1:

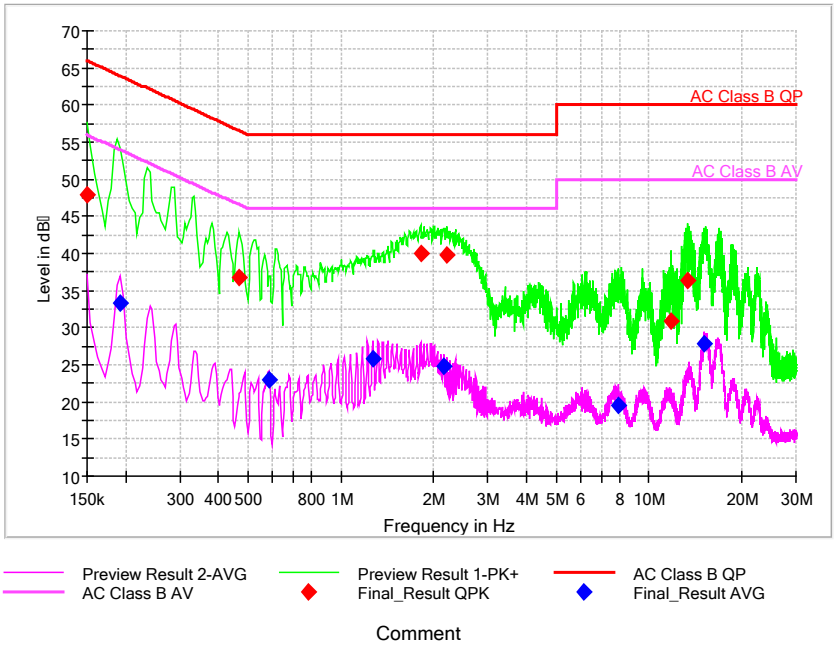


Pic4. Conducted emission L&N Line

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBµV)	Pmea Average (dBµV)
0.175586	55.43	---	64.69	9.26	L1	29.6	25.83	---
0.179850	---	37.09	54.49	17.41	L1	29.6	---	7.49
0.478350	37.22	---	56.37	19.14	L1	29.6	7.62	---
0.589221	---	24.93	46.00	21.07	L1	29.6	---	-4.67
1.548686	---	25.23	46.00	20.77	L1	29.7	---	-4.47
1.642500	40.33	---	56.00	15.67	L1	29.7	10.63	---
2.145686	37.78	---	56.00	18.22	L1	29.7	8.08	---
2.145686	---	22.59	46.00	23.41	N	29.7	---	-7.11
5.160536	---	20.81	50.00	29.19	N	29.7	---	-8.89
11.002607	28.71	---	60.00	31.29	L1	29.8	-1.09	---
13.535593	29.90	---	60.00	30.10	L1	29.8	0.1	---
14.175236	---	22.15	50.00	27.85	L1	29.8	---	-7.65

120VAC：

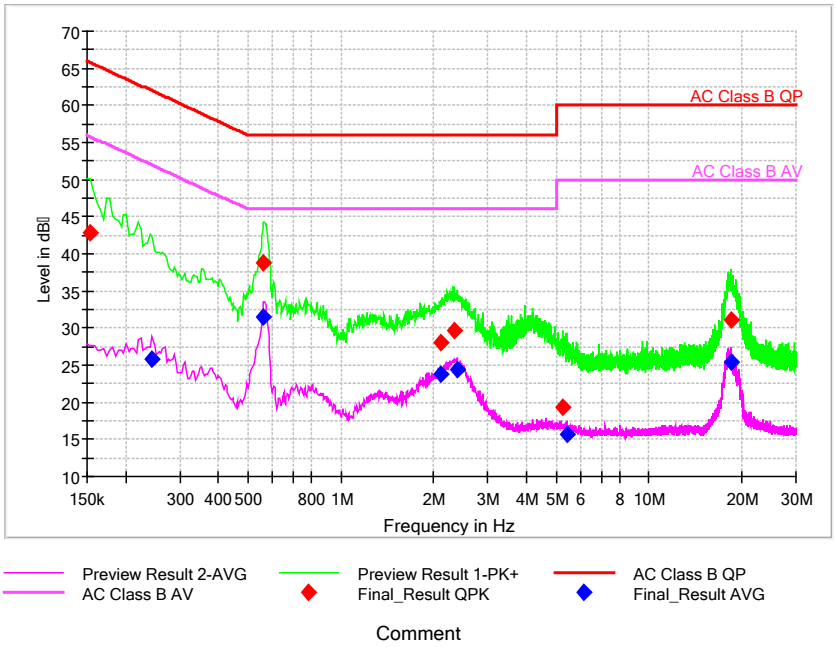
EUT + 3#AE: USB Cable2+5# AE: Charger2+7# AE: Headset2:



Pic5. Conducted emission L&N Line

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBµV)	Pmea Average (dBµV)
0.150000	47.99	---	66.00	18.01	L1	29.6	18.39	---
0.192643	---	33.33	53.92	20.59	L1	29.6	---	3.73
0.469821	36.85	---	56.52	19.67	L1	29.6	7.25	---
0.584957	---	23.00	46.00	23.00	N	29.6	---	-6.6
1.271507	---	25.87	46.00	20.13	N	29.7	---	-3.83
1.813071	40.01	---	56.00	15.99	L1	29.7	10.31	---
2.158479	---	24.73	46.00	21.27	L1	29.7	---	-4.97
2.209650	39.88	---	56.00	16.12	L1	29.7	10.18	---
7.962171	---	19.55	50.00	30.45	L1	29.7	---	-10.15
11.791500	30.89	---	60.00	29.11	L1	29.8	1.09	---
13.377814	36.32	---	60.00	23.68	L1	29.8	6.52	---
15.151757	---	27.91	50.00	22.09	L1	29.8	---	-1.89

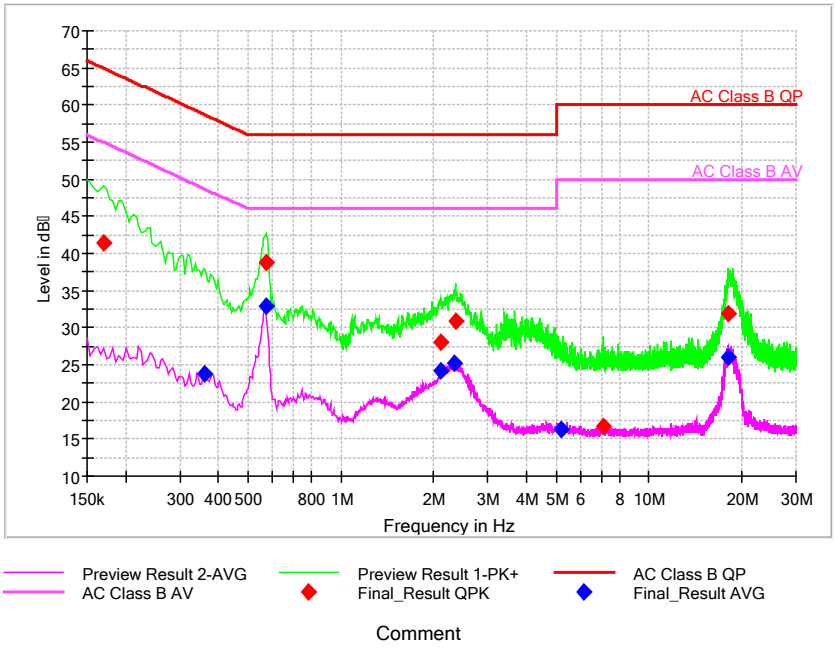
EUT +2#AE: USB Cable1+6# AE: Headset1+1# AE: Laptop:



Pic6. Conducted emission L&N Line

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBµV)	Pmea Average (dBµV)
0.153928	42.82	---	65.79	22.97	L1	29.6	13.22	---
0.244263	---	25.91	51.95	26.04	L1	29.6	---	-3.69
0.562401	---	31.51	46.00	14.49	L1	29.6	---	1.91
0.562401	38.77	---	56.00	17.23	L1	29.6	9.17	---
2.105961	28.08	---	56.00	27.92	L1	29.7	-1.62	---
2.109888	---	23.69	46.00	22.31	N	29.7	---	-6.01
2.321980	29.71	---	56.00	26.29	L1	29.7	0.01	---
2.392678	---	24.35	46.00	21.65	N	29.7	---	-5.35
5.244138	19.30	---	60.00	40.70	L1	29.7	-10.4	---
5.405171	---	15.59	50.00	34.41	L1	29.7	---	-14.11
18.492039	---	25.32	50.00	24.68	L1	29.8	---	-4.48
18.523461	30.99	---	60.00	29.01	L1	29.8	1.19	---

EUT + 3#AE: USB Cable2+7# AE: Headset2+1# AE: Laptop:



Pic7. Conducted emission L&N Line

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)	Pmea QuasiPeak (dBµV)	Pmea Average (dBµV)
0.169638	41.33	---	64.98	23.65	L1	29.6	11.73	---
0.362092	---	23.77	48.68	24.91	L1	29.6	---	-5.83
0.570257	---	32.85	46.00	13.15	L1	29.6	---	3.25
0.570257	38.82	---	56.00	17.18	L1	29.6	9.22	---
2.113816	28.10	---	56.00	27.90	L1	29.7	-1.6	---
2.117743	---	24.09	46.00	21.91	N	29.7	---	-5.61
2.321980	---	25.29	46.00	20.71	N	29.7	---	-4.41
2.349474	30.83	---	56.00	25.17	L1	29.7	1.13	---
5.173441	---	16.21	50.00	33.79	L1	29.7	---	-13.49
7.117618	16.76	---	60.00	43.24	L1	29.7	-12.94	---
18.107132	---	25.92	50.00	24.08	L1	29.8	---	-3.88
18.114987	31.91	---	60.00	28.09	L1	29.8	2.11	---

2.2.2RadiatedEmissions-FCC Part15.109

Ambient condition:

Temperature	Relative humidity	Pressure
18.3°C	38.9%	100.8kPa

Test Setup:

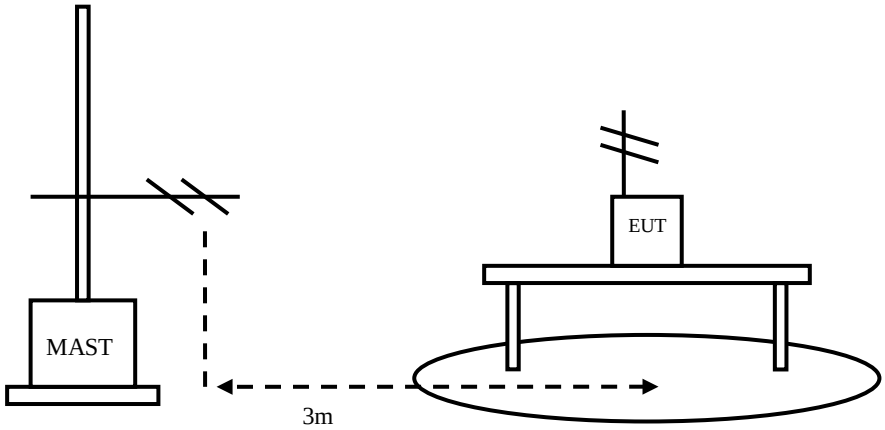


Figure 3

Test Procedure:

EUT+Laptop:
The EUT should be placed on a non-metallic table80cm above the ground plane. The receive antennas shall be moved from 1 to 4 meters. The distance between EUT and receive antenna should be 3 meters.
The accessories of the EUT are connected with the EUT such as headset etc. The EUT was connected with a laptop via the USB cable and transferred the data by copying large files from laptop to the EUT. The test set-up and the test methods are performed according to ANSI C63.4:2014
Then start the test software EMC32. Sweep the whole frequency band through the range from 30MHz to 1GHz, using receive log period antenna VULB 9163.
During the test, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turn table shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The EUT is laid in two modes as follow: 1. put the EUT in horizontal direction; 2. put the EUT in vertical direction.

The data of cable loss and antenna factor have been calibrated in full testing frequency range before the testing.

EUT+Charger:

The EUT should be placed on a non-metallic table 80cm above the ground plane. The receive antennas shall be moved from 1 to 4 meters. The distance between EUT and receive antenna should be 3 meters.

The EUT should work in idle mode. The accessories of the EUT are connected with the EUT such as headset etc. Open the following functions of EUT: Camera, flash lamp, FM, GPS and video. The test set-up and the test methods are performed according to ANSI C63.4:2014.

Then start the test software EMC32. Sweep the whole frequency band through the range from 30MHz to 1GHz, using receive log period antenna VULB 9163.

During the test, the height of receive antenna shall be moved from 1 to4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turn table shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The EUT is laid in two modes as follow: 1. put the EUT in horizontal direction; 2. put the EUT in vertical direction.

The data of cable loss and antenna factor have been calibrated in full testing frequency range before the testing. All test results are performed with max hold at the horizontal and vertical polarity.

RBW=120kHz, VBW=300kHz, when the test frequency: 30MHz<f<1GHz

RBW=1MHz, VBW=3MHz, when the test frequency: f>1GHz

A “reference path loss” is established and the A_{Rpl} is the attenuation of “reference path loss”, and including the gain of receive antenna, the gain of the preamplifier, the cable loss.

The measurement results are obtained as described below:

Result= $P_{mea} + A_{Rpl}$

Limit:

Frequency of Emission(MHz)	Limits	
	Detector	Unit (dBμV/m)
30～88	Quasi-peak	40
88～216	Quasi-peak	43.5
216～960	Quasi-peak	46
960～1000	Quasi-peak	54
1000～5th harmonic of the highest frequency or 40GHz, whichever is lower	Average Peak	54 74

Test result:

Sample calculation: (21.20 dB μ V/m) = (42.80 dB μ V/m) + (-21.6 dB), the corresponding frequency is 70.018000MHz.

EUT + 2#AE: USB Cable1+4# AE: Charger1+6# AE: Headset1:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
70.018000	21.20	40.00	-21.6	42.80	V
72.962000	21.72	40.00	-22.3	44.02	V
73.227500	20.83	40.00	-22.4	43.23	V
73.786500	18.70	40.00	-22.5	41.20	V
75.604000	18.07	40.00	-22.9	40.97	V
75.960500	15.85	40.00	-23.0	38.85	V

EUT + 3#AE: USB Cable2+5# AE: Charger2+7# AE: Headset2:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
50.672500	23.32	40.00	-17.2	40.52	V
51.012000	24.90	40.00	-17.2	42.10	V
51.351500	25.14	40.00	-17.3	42.44	V
51.662000	24.62	40.00	-17.3	41.92	V
52.341000	22.81	40.00	-17.4	40.21	V
52.998000	23.03	40.00	-17.5	40.53	V

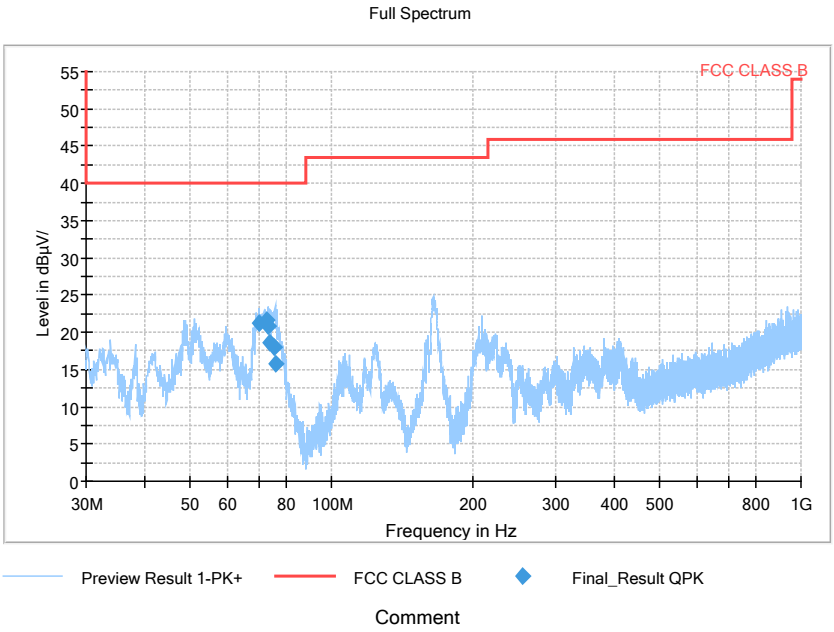
EUT + 2#AE: USB Cable1+6# AE: Headset1+1# AE: Laptop:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
168.002500	26.79	43.50	-20.8	47.59	V
407.989000	30.19	46.00	-11.5	41.69	V
455.995500	28.93	46.00	-10.4	39.33	V
551.985500	28.60	46.00	-7.9	36.50	V
600.000500	30.20	46.00	-6.6	36.80	V
800.006000	26.37	46.00	-3.4	29.77	V

EUT + 3#AE: USB Cable2+7# AE: Headset2+1# AE: Laptop:

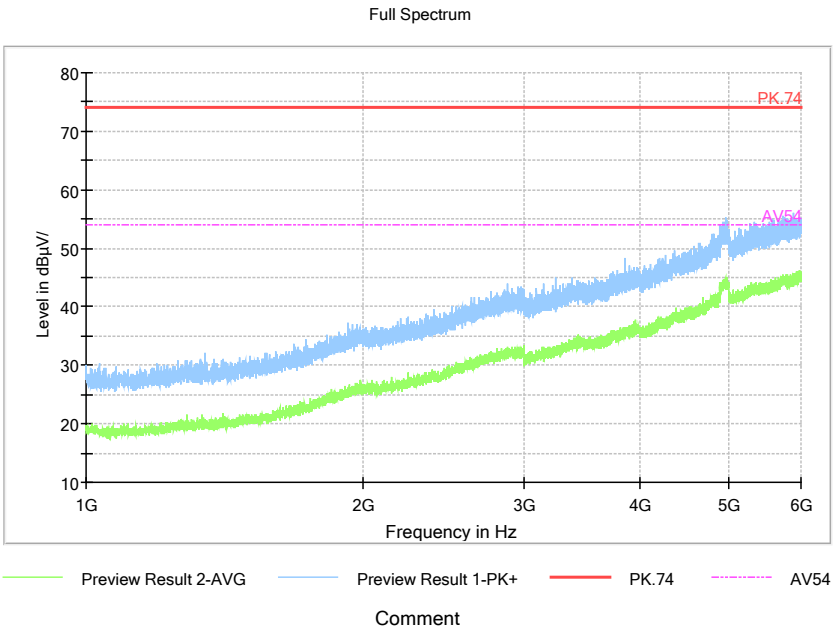
Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
168.002500	26.86	43.50	-20.8	47.66	V
407.989000	30.27	46.00	-11.5	41.77	V
455.995500	28.95	46.00	-10.4	39.35	V
551.985500	28.47	46.00	-7.9	36.37	V
599.992000	30.16	46.00	-6.6	36.76	V
800.006000	26.35	46.00	-3.4	29.75	V

EUT + 2#AE: USB Cable1+4# AE: Charger1+6# AE: Headset1: refer to Pic8, Pic9, Pic10



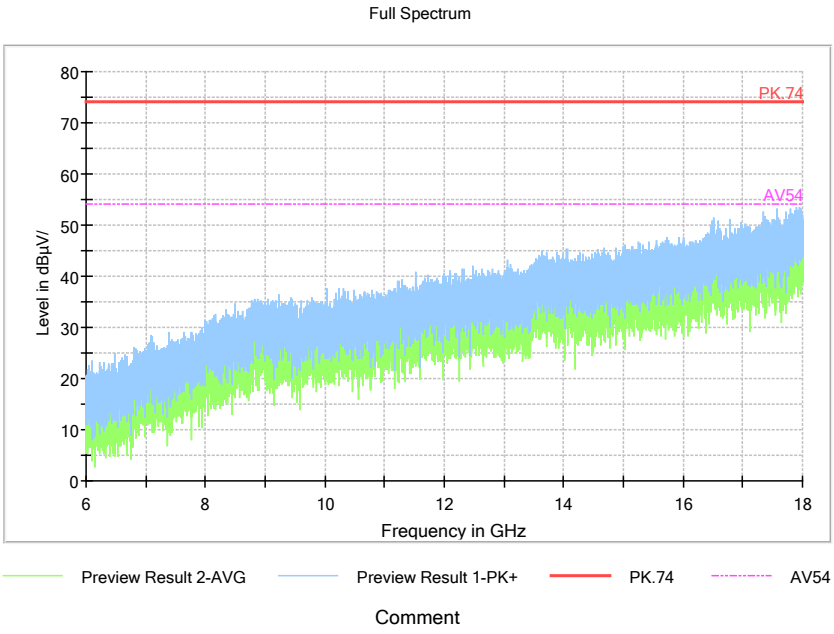
Pic8. Radiated emission(30MHz – 1GHz)

Note: The test data in the graph includes two polarizations: horizontal and vertical



Pic9. Radiated emission (1GHz –6GHz)

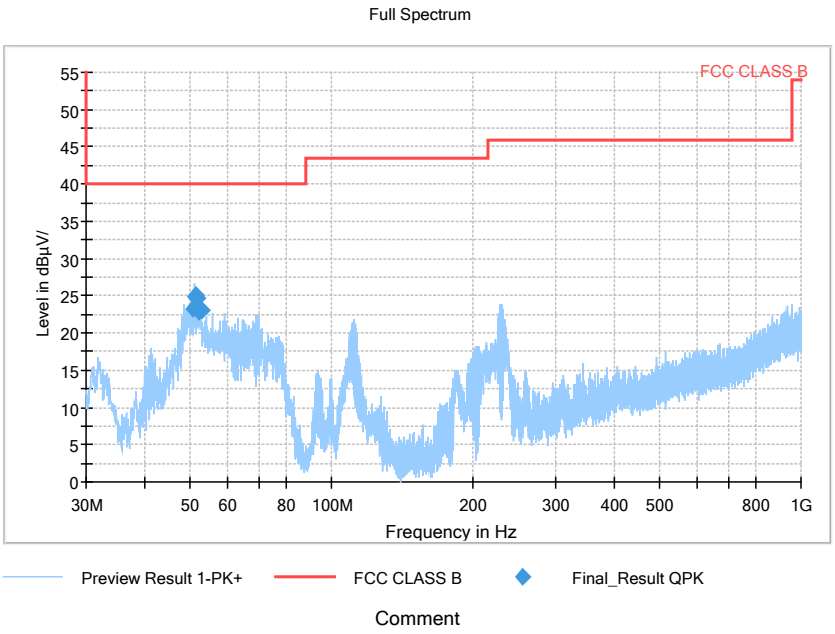
Note: The test data in the graph includes two polarizations: horizontal and vertical.



Pic10. Radiated emission (6GHz –18GHz)

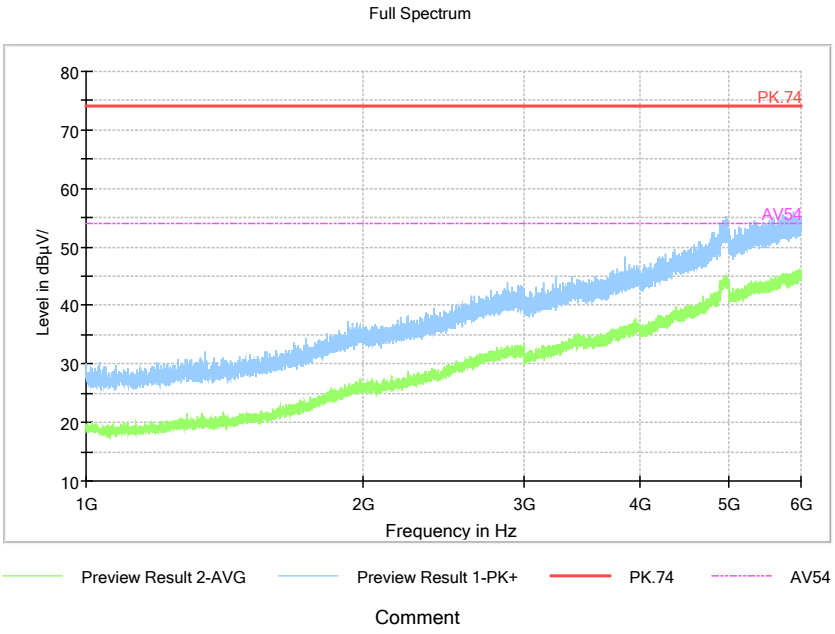
Note: The test data in the graph includes two polarizations: horizontal and vertical.

EUT+ 3#AE: USB Cable2+5# AE: Charger2+7# AE: Headset2: refer to Pic11, Pic12, Pic13



Pic11. Radiated emission(30MHz – 1GHz)

Note: The test data in the graph includes two polarizations: horizontal and vertical



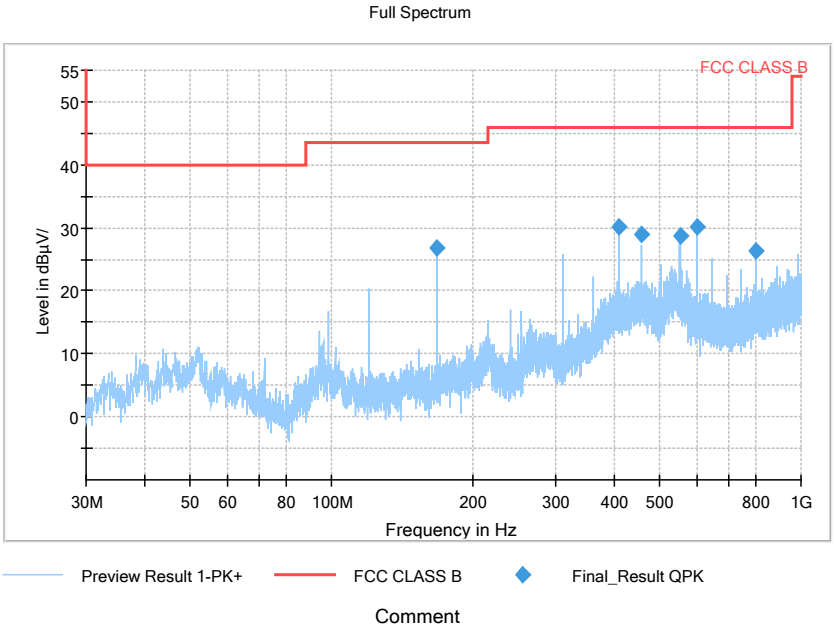
Pic12. Radiated emission (1GHz –6GHz)

Note: The test data in the graph includes two polarizations: horizontal and vertical.

Pic13. Radiated emission (6GHz –18GHz)

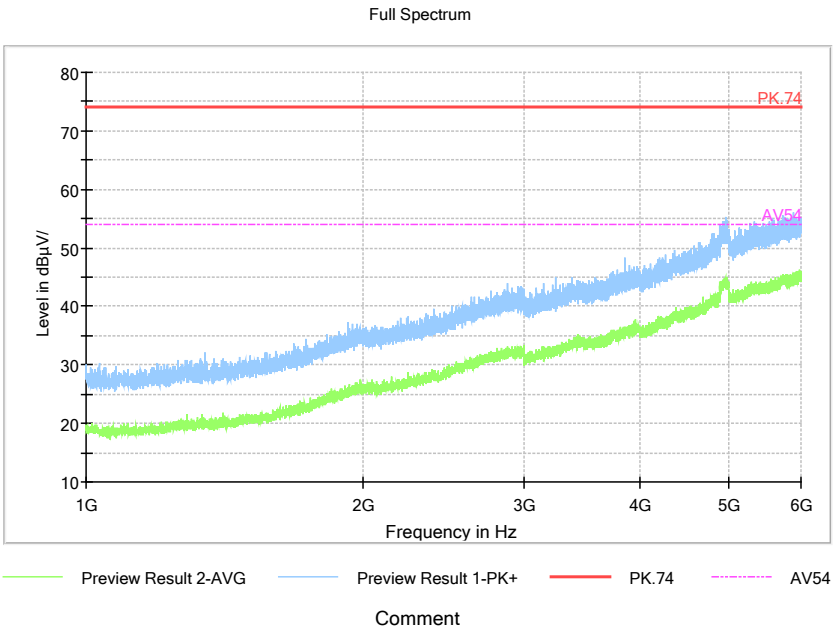
Note: The test data in the graph includes two polarizations: horizontal and vertical.

EUT + 2#AE: USB Cable1 +6# AE: Headset1+1# AE: Laptop: refer to Pic14, Pic15, Pic16



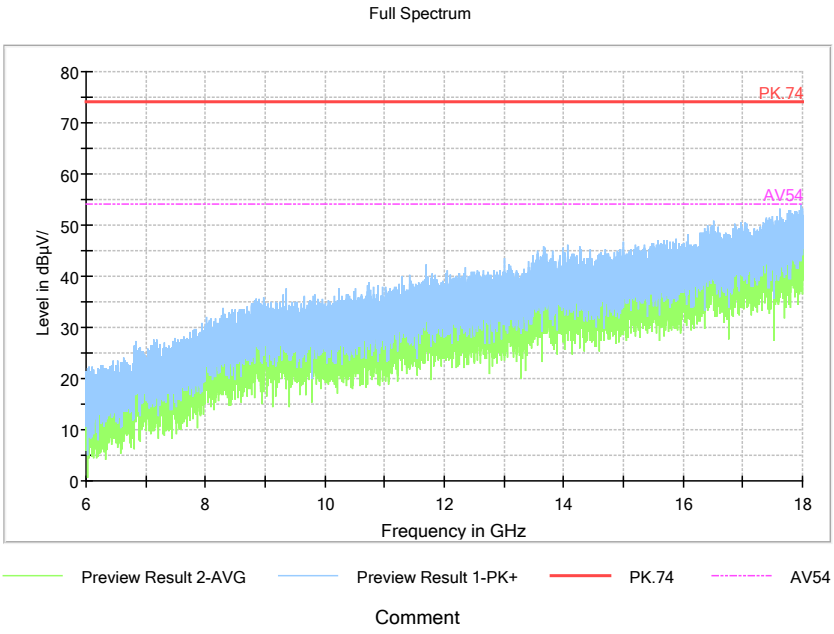
Pic14. Radiated emission(30MHz – 1GHz)

Note: The test data in the graph includes two polarizations: horizontal and vertical



Pic15. Radiated emission (1GHz –6GHz)

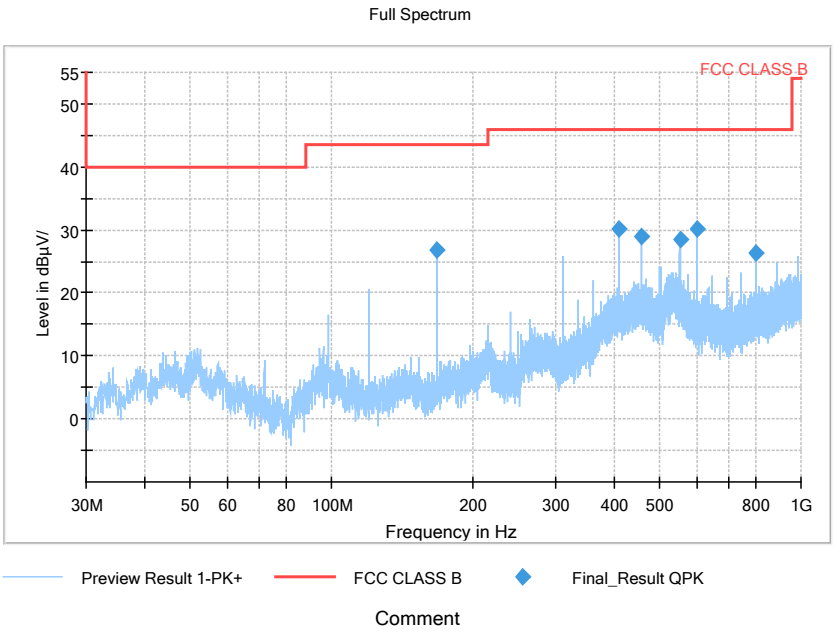
Note: The test data in the graph includes two polarizations: horizontal and vertical.



Pic16. Radiated emission (6GHz –18GHz)

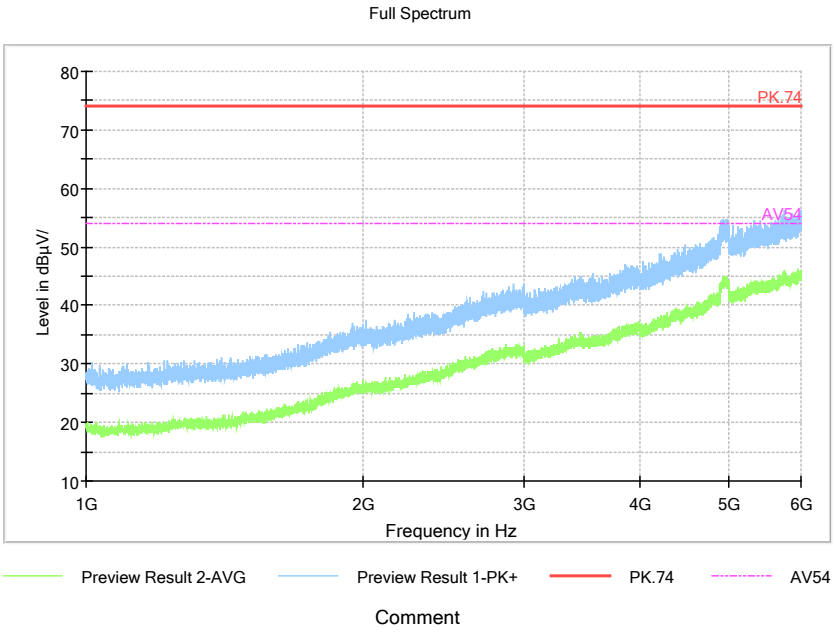
Note: The test data in the graph includes two polarizations: horizontal and vertical.

EUT + 3#AE: USB Cable2+7# AE: Headset2+1# AE: Laptop: refer to Pic17, Pic18, Pic19



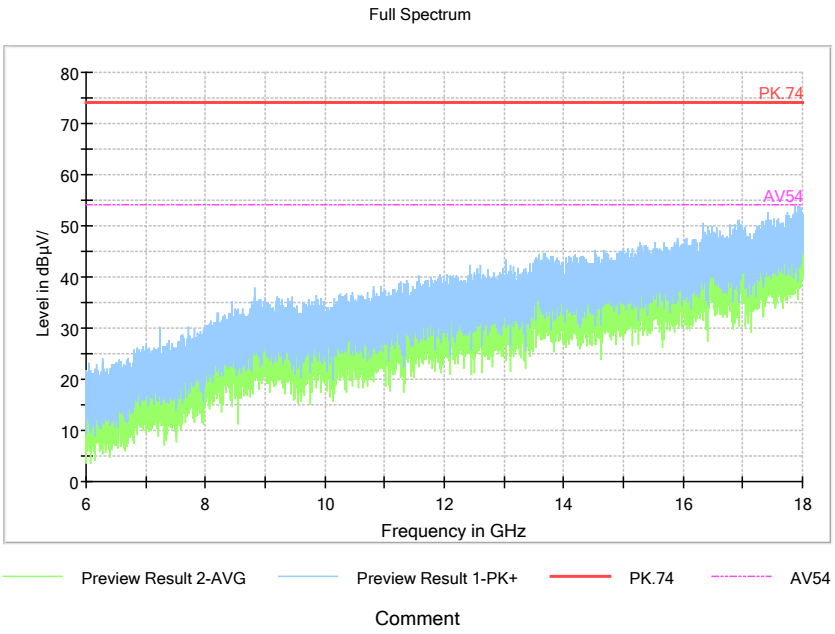
Pic17. Radiated emission(30MHz – 1GHz)

Note: The test data in the graph includes two polarizations: horizontal and vertical



Pic18. Radiated emission (1GHz –6GHz)

Note: The test data in the graph includes two polarizations: horizontal and vertical



Pic19. Radiated emission (6GHz –18GHz)

Note: The test data in the graph includes two polarizations: horizontal and vertical

2.3. List of test equipments

No.	Name/Model	Manufacturer	S/N	Calibration Due Date	Calibration Date
1	23.18m×16.88m×9.60mSemi-AnechoicChamber	FRANKONIA	-----	5th Sep. 2021	6th Sep. 2016
2	ESW EMI test receiver	R&S	101574	20th Aug. 2021	20th Aug. 2020
3	9.080m×5.255m×3.525m Shielding room	FRANKONIA	-----	5th Sep. 2021	6th Sep. 2016
4	ESR3 EMI test receiver	R&S	102361	21th Apr. 2021	20th Apr. 2020
5	VULB 9163 Ultra log test antenna	schwarzbeck	867	25th Mar. 2021	25th Mar. 2020
6	ENV216 AMN	R&S	3560.6550.12	20th Aug. 2021	20th Aug. 2020
7	HF 907 Double-Ridged Waveguide Horn Antenna	R&S	100512	25th Mar. 2021	25th Mar. 2020
8	PS2000 Turn Table	FRANKONIA	-----	-----	-----
9	MA260 Antenna Master	FRANKONIA	-----	-----	-----
10	EMC32EMI test software Version 10.20.01	R&S	-----	-----	-----

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