



Certificate Number: 5055.02

TEST REPORT

Report No.: SRTC2020-9003(F)-0022
Product Name: WCDMA/LTE Multi-mode Digital Mobile Phone
Model Name: ZTE 8010
Applicant: ZTE Corporation
Manufacturer: ZTE Corporation
Specification: FCC Part15B (Certification)
(2020 edition)
FCC ID: SRQ-ZTE 8010

The State Radio_monitoring_center Testing Center (SRTC)
15th Building, No.30 Shixing Street, Shijingshan District,
Beijing, China

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1. General information

1.1 Notes of the test report

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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, Shenzhen,P.R.China
City: Shenzhen
Country or Region: P.R.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, Shenzhen,P.R.China
City: Shenzhen
Country or Region: P.R.China
Contacted person: Ren Shijia
Tel: + 86- 13709193069
Email: ren.shijia@zte.com.cn

1.5 Application details

Date of reception of test sample: 23th June 2020

Date of test: 23th June 2020 to 3th July 2020

1.6 Reference specification

FCC Part 15B, 2020 (Certification)

1.7 Information of EUT

1.7.1 General information

Name of EUT	WCDMA/LTE Multi-mode Digital Mobile Phone
Model Name	ZTE 8010
FCC ID	SRQ-ZTE 8010
Frequency Range	GSM: GSM850 / PCS1900 WCDMA: FDD II / FDD IV / FDD V LTE: FDD 2/ FDD 4/ FDD 5/ FDD 7/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: 3.4V Maximum: 4.4V
HW Version	z10A
SW Version	TEL_MX_ZTE_8010V1.0

1.7.2 EUT details

Product Name	Model Name	IMEI
Mobile Phone	ZTE 8010	EUT1:867805050002066
		EUT2:867805050002314

1.7.3 Auxiliary equipment details

AE (Auxiliary Equipment) 1#: Laptop

Manufacturer	Lenovo
Model Number	E7000
S/N	MP1961S2
Input Voltage	100V-240V AC

AE (Auxiliary Equipment) 2#: USB Cable1

Manufacturer	Shenzhen Luxshare Precision Industry Co.,Lt
Model Number	USB-TC20-W-100-M-L

AE (Auxiliary Equipment) 3#: USB Cable2

Manufacturer	King Power Electronics Co.Ltd.
Model Number	USB-TC20-W-100-M-L

AE (Auxiliary Equipment) 4#: Battery1

Type	Li-Lon
Manufacturer	SCUD (Fujian) Electronics Co., Ltd.
Model Number	Li3949T44P8h906450

AE (Auxiliary Equipment) 5#: Battery2

Type	Li-Lon
Manufacturer	Ningde Amperex Technology Ltd.
Model Number	Li3949T44P8h906450

AE (Auxiliary Equipment) 6#: Charger1

Manufacturer	JIANGSU CHENYANG ELECTRON CO LTD
Model Number	STC-A520A-Z
S/N	/
Input Voltage	100V-240V AC
Output Voltage	5.0VDC 2000mA

AE (Auxiliary Equipment) 7#: Charger2

Manufacturer	SHENZHEN RUIJING INDUSTRIAL CO.LTD
Model Number	STC-A520A-Z
S/N	/
Input Voltage	100V-240V AC
Output Voltage	5.0VDC 2000mA

AE (Auxiliary Equipment) 8#: Charger3

Manufacturer	SHENZHEN RUIJING INDUSTRIAL CO.LTD
Model Number	STC-A520A-A
S/N	/
Input Voltage	100V-240V AC
Output Voltage	5.0VDC 2000mA

AE (Auxiliary Equipment) 9#: Headset1

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

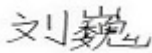
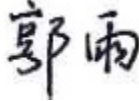
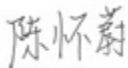
AE (Auxiliary Equipment) 10#: Headset2

Manufacturer	Shen zhen FDC Electronic Co.,Ltd
Model Number	DEM-66
S/N	/

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 Chen Huaiwei 	Issued date: 2020.07.14

2.2 Test result

2.2.1 Conducted Emissions-FCC Part15.107

Ambient condition:

Temperature	Relative humidity	Pressure
23.1°C	41.1%	100.4kPa

Test Setup with laptop:

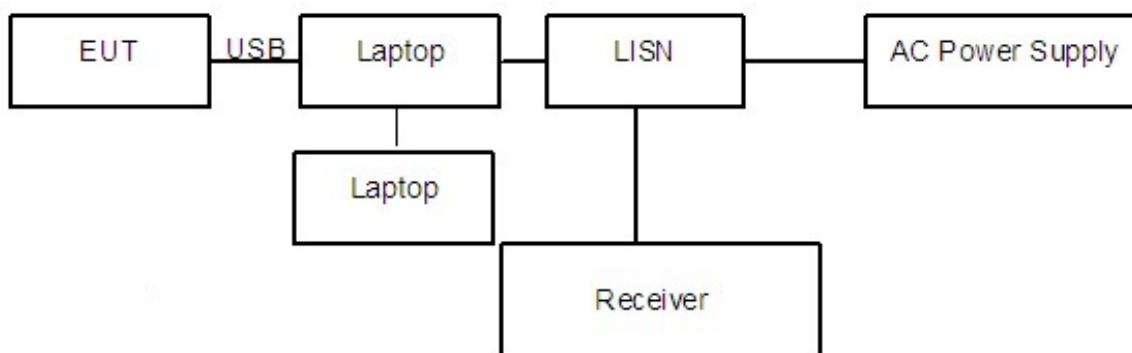


Figure 1

Test Procedure:

The EUT is placed on a non-metallic table 0.8m above the horizontal metal reference ground plane. The 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:

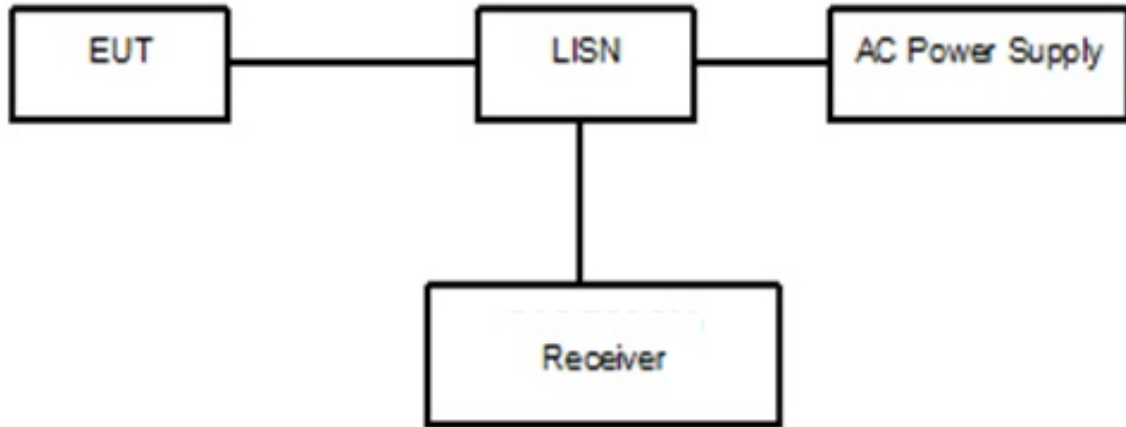


Figure 2

Test Procedure:

The EUT is placed on a non-metallic 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. Open the following functions of EUT: FM, Camera, flash lamp 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 $L_{\text{cable}} + \text{ATT} + \text{VDF}$ 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:

$$P_{\text{result}} = P_{\text{mea}} + \text{Corr. (dB)}$$

Sample calculation: $(28.72 \text{ dB}\mu\text{V}) = (-0.98 \text{ dB}\mu\text{V}) + (29.7 \text{ dB})$, the corresponding frequency is 0.572164MHz.

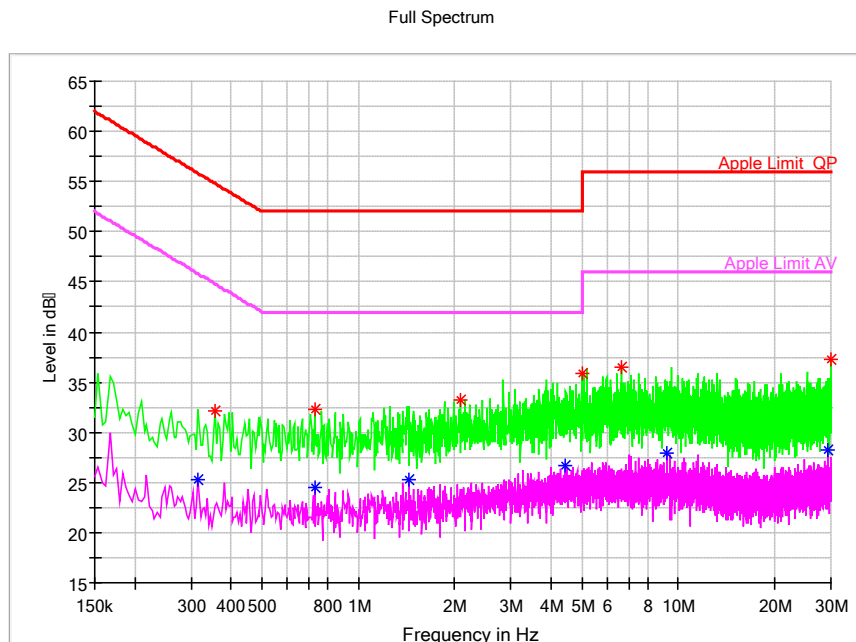
Limit:

Frequency of Emission(MHz)	Limits(dB μ V)	
	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

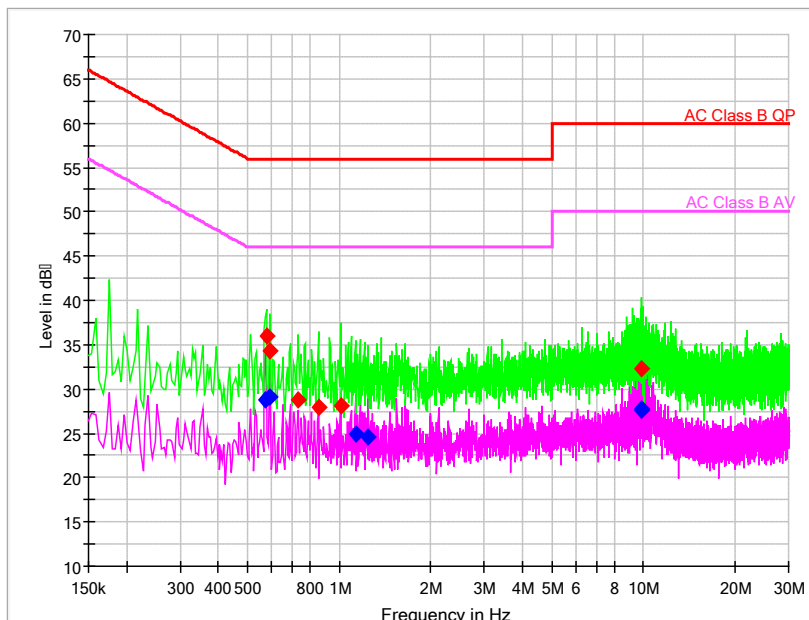
Test result:

Noise Level of the Measuring Instrument



Pic1. Conducted emission L and N Line

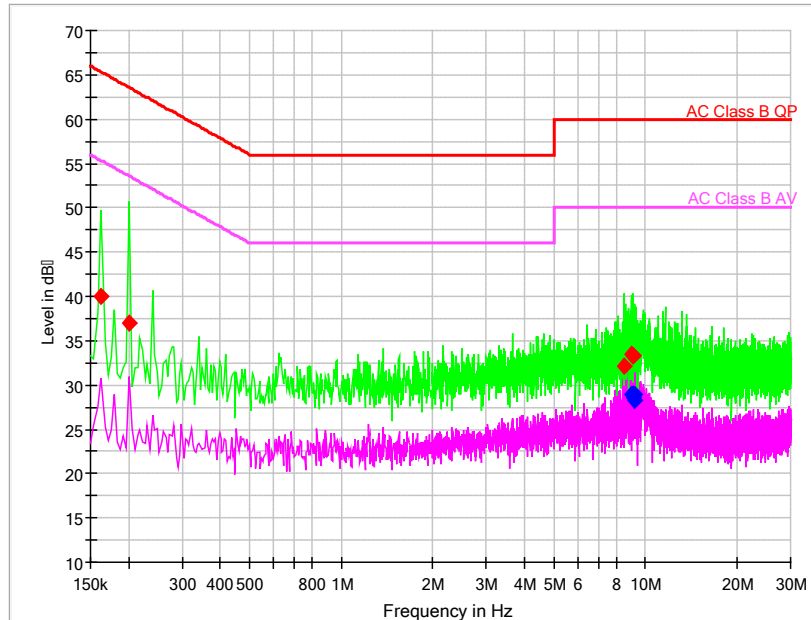
EUT1+2#USB Cable1+4#Battery1 +9# Headset1+6#Charger1:



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)
0.572164	---	28.72	46.00	17.28	L	29.7	---	-0.98
0.576429	35.94	---	56.00	20.06	L	29.7	6.24	---
0.589221	---	29.18	46.00	16.82	L	29.7	---	-0.52
0.589221	34.24	---	56.00	21.76	L	29.7	4.54	---
0.734207	28.85	---	56.00	27.15	L	29.7	-0.85	---
0.853607	27.90	---	56.00	28.10	L	29.7	-1.8	---
1.011386	28.10	---	56.00	27.90	N	29.7	-1.6	---
1.130786	---	24.92	46.00	21.08	L	29.7	---	-4.78
1.250186	---	24.65	46.00	21.35	N	29.7	---	-5.05
9.838457	---	27.70	50.00	22.30	L	29.9	---	-2.2
9.876836	32.35	---	60.00	27.65	N	29.9	2.45	---
9.881100	---	27.55	50.00	22.45	N	29.9	---	-2.35

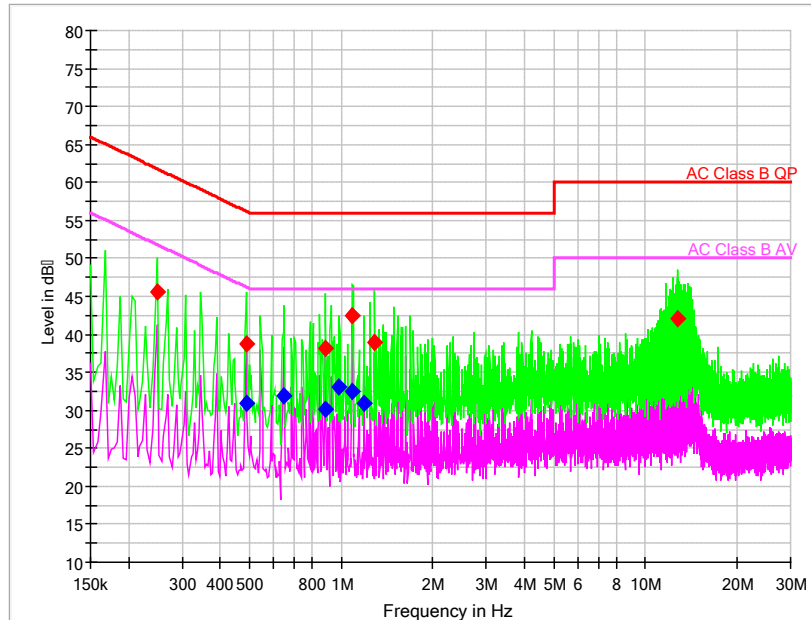
EUT2+3#USB Cable2+5#Battery2 +10# Headset2+7#Charger2:



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)
0.162793	39.99	---	65.32	25.33	L	29.7	10.29	---
0.201171	36.91	---	63.56	26.65	L	29.7	7.21	---
8.546379	32.09	---	60.00	27.91	L	29.9	2.19	---
9.049564	---	28.86	50.00	21.14	L	29.9	---	-1.04
9.049564	33.50	---	60.00	26.50	L	29.9	3.6	---
9.070886	---	28.96	50.00	21.04	L	29.9	---	-0.94
9.109264	33.35	---	60.00	26.65	L	29.9	3.45	---
9.109264	---	28.64	50.00	21.36	L	29.9	---	-1.26
9.126321	33.23	---	60.00	26.77	N	29.9	3.33	---
9.147643	---	28.98	50.00	21.02	L	29.9	---	-0.92
9.168964	---	29.01	50.00	20.99	N	29.9	---	-0.89
9.228664	---	28.21	50.00	21.79	L	29.9	---	-1.69

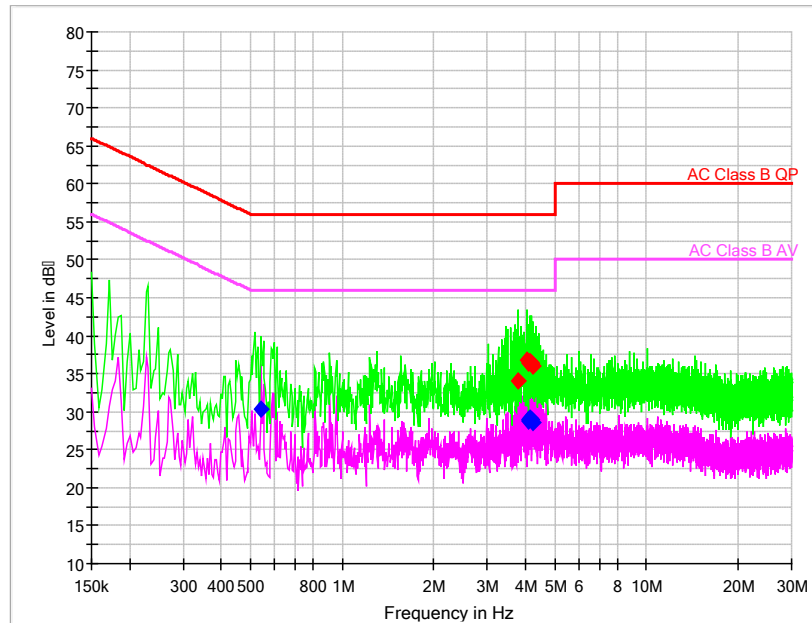
EUT1+3#USB Cable2+4#Battery1 +10# Headset2+8#Charger3:



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)
0.248079	45.57	---	61.82	16.25	L	29.7	15.87	---
0.486879	---	30.97	46.22	15.25	L	29.7	---	1.27
0.486879	38.78	---	56.22	17.45	L	29.7	9.08	---
0.648921	---	31.84	46.00	14.16	L	29.7	---	2.14
0.887721	38.23	---	56.00	17.77	L	29.7	8.53	---
0.887721	---	30.15	46.00	15.85	L	29.7	---	0.45
0.985800	---	33.04	46.00	12.96	L	29.7	---	3.34
1.088143	42.37	---	56.00	13.63	L	29.7	12.67	---
1.088143	---	32.49	46.00	13.51	L	29.7	---	2.79
1.186221	---	30.97	46.00	15.03	L	29.7	---	1.27
1.288564	38.88	---	56.00	17.12	L	29.7	9.18	---
12.695529	42.08	---	60.00	17.92	L	29.9	12.18	---

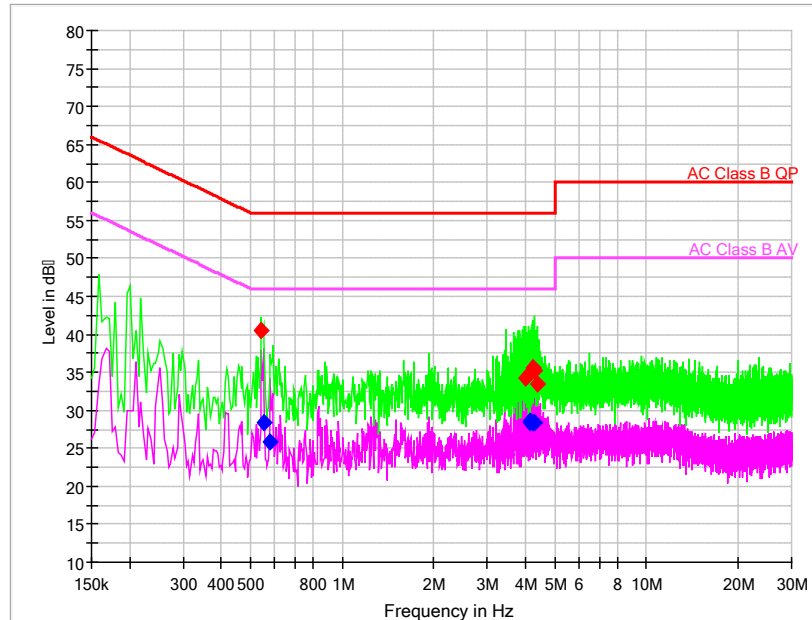
EUT1+2#USB Cable1+4#Battery1+9# Headset1 +Laptop:



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)
0.542314	---	30.32	46.00	15.68	L	29.7	---	0.62
3.774643	34.04	---	56.00	21.96	L	29.8	4.24	---
4.060350	36.81	---	56.00	19.19	L	29.8	7.01	---
4.094464	---	28.89	46.00	17.11	L	29.8	---	-0.91
4.094464	36.46	---	56.00	19.54	L	29.8	6.66	---
4.102993	---	28.84	46.00	17.16	L	29.8	---	-0.96
4.141371	36.57	---	56.00	19.43	L	29.8	6.77	---
4.141371	---	29.15	46.00	16.85	N	29.8	---	-0.65
4.171221	---	29.01	46.00	16.99	N	29.8	---	-0.79
4.175486	36.37	---	56.00	19.63	N	29.8	6.57	---
4.252243	---	28.65	46.00	17.35	L	29.8	---	-1.15
4.252243	35.92	---	56.00	20.08	L	29.8	6.12	---

EUT2+3#USB Cable2+5#Battery2+10# Headset2+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)
0.542314	40.52	---	56.00	15.48	L	29.7	10.82	---
0.550843	---	28.44	46.00	17.56	L	29.7	---	-1.26
0.580693	---	25.80	46.00	20.20	L	29.7	---	-3.9
4.009179	34.26	---	56.00	21.74	L	29.8	4.46	---
4.124314	---	28.40	46.00	17.60	L	29.8	---	-1.4
4.162693	---	28.52	46.00	17.48	L	29.8	---	-1.28
4.213864	35.52	---	56.00	20.48	N	29.8	5.72	---
4.252243	35.45	---	56.00	20.55	L	29.8	5.65	---
4.252243	---	28.43	46.00	17.57	L	29.8	---	-1.37
4.282093	35.20	---	56.00	20.80	N	29.8	5.4	---
4.282093	---	28.40	46.00	17.60	L	29.8	---	-1.4
4.375907	33.53	---	56.00	22.47	L	29.8	3.73	---

2.2.2 Radiated Emissions-FCC Part15.109

Ambient condition:

Temperature	Relative humidity	Pressure
23.1°C	41.1%	100.4kPa

Test Setup:

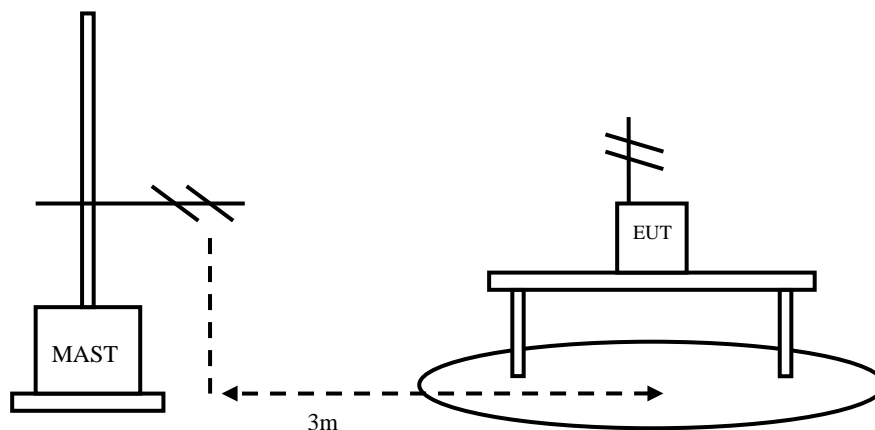


Figure 3

Test Procedure:

EUT+Laptop:

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 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. Open the following functions of EUT: FM, Camera, flash lamp 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 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. 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:

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

Limit:

Frequency of Emission(MHz)	Limits	
	Detector	Unit (dB μ V/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	54
	Peak	74

Test result:

Sample calculation: (14.61 dB μ V/m) = (33.11 dB μ V/m) + (-18.5 dB), the corresponding frequency is 60.118500MHz.

EUT1+2#USB Cable1+4#Battery1 +9# Headset1+Laptop:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
60.118500	14.61	40.00	-18.5	33.11	V
215.949000	19.94	43.50	-18.0	37.94	V
298.399000	27.19	46.00	-15.2	42.39	V
311.979000	26.40	46.00	-14.7	41.1	V
399.861000	31.83	46.00	-11.7	43.53	V
800.325500	22.26	46.00	-3.3	25.56	V

EUT2+3#USB Cable2+5#Battery2+10# Headset2 +Laptop:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
66.084000	19.82	40.00	-20.4	40.22	V
130.540500	11.25	43.50	-21.3	32.55	V
215.997500	25.15	43.50	-18.0	43.15	V
298.302000	27.21	46.00	-15.2	42.41	V
455.975500	30.90	46.00	-10.4	41.3	V
797.221500	22.75	46.00	-3.4	26.15	V

EUT1+2#USB Cable1+4#Battery1 +9# Headset1+6#Charger1:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
81.167500	18.39	40.00	-23.6	41.99	V
81.652500	19.05	40.00	-23.4	42.45	V
82.040500	18.57	40.00	-23.3	41.87	V
82.525500	18.00	40.00	-23.1	41.1	V
143.926500	19.44	43.50	-21.8	41.24	V
144.605500	20.01	43.50	-21.7	41.71	V

EUT2+3#USB Cable2+5#Battery2 +10# Headset2+7#Charger2:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
32.231000	29.64	40.00	-20.5	50.14	V
38.875500	31.97	40.00	-18.5	50.47	V
63.804500	34.20	40.00	-19.7	53.9	V
75.638500	22.47	40.00	-22.9	45.37	V
177.585500	13.96	43.50	-20.3	34.26	V
930.305500	17.25	46.00	-1.1	18.35	V

EUT1+3#USB Cable2+4#Battery1 +10# Headset2+8#Charger3:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
52.455500	17.99	40.00	-17.4	35.39	V
55.026000	19.72	40.00	-17.8	37.52	V
126.418000	24.16	43.50	-21.0	45.16	V
127.776000	23.80	43.50	-21.1	44.9	V
172.541500	18.55	43.50	-20.5	39.05	V
948.590000	17.49	46.00	-0.9	18.39	V

Open the FM of EUT:

EUT1+2#USB Cable1+4#Battery1 +9# Headset1+6#Charger1:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
81.313000	18.86	40.00	-23.5	42.36	V
82.428500	18.37	40.00	-23.1	41.47	V
82.768000	17.65	40.00	-23.0	40.65	V
143.490000	18.94	43.50	-21.8	40.74	V
144.266000	19.92	43.50	-21.8	41.72	V
146.594000	20.71	43.50	-21.7	42.41	V

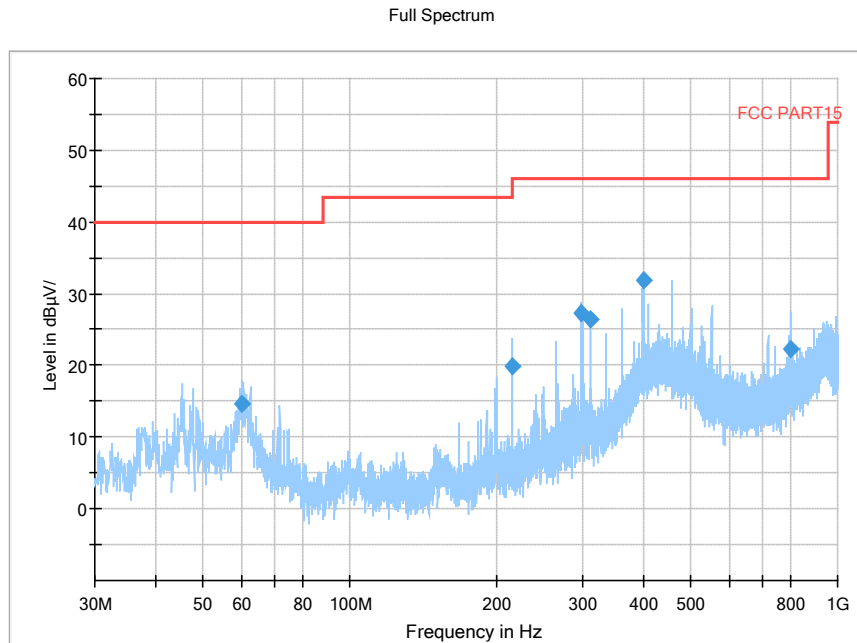
EUT2+3#USB Cable2+5#Battery2 +10# Headset2+7#Charger2:

Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
32.231000	29.70	40.00	-20.5	50.20	V
38.924000	31.43	40.00	-18.5	49.93	V
62.301000	34.46	40.00	-19.2	53.66	V
63.659000	34.41	40.00	-19.6	54.01	V
63.756000	34.36	40.00	-19.7	54.06	V
65.502000	31.66	40.00	-20.2	51.86	V

EUT1+3#USB Cable2+4#Battery1 +10# Headset2+8#Charger3:

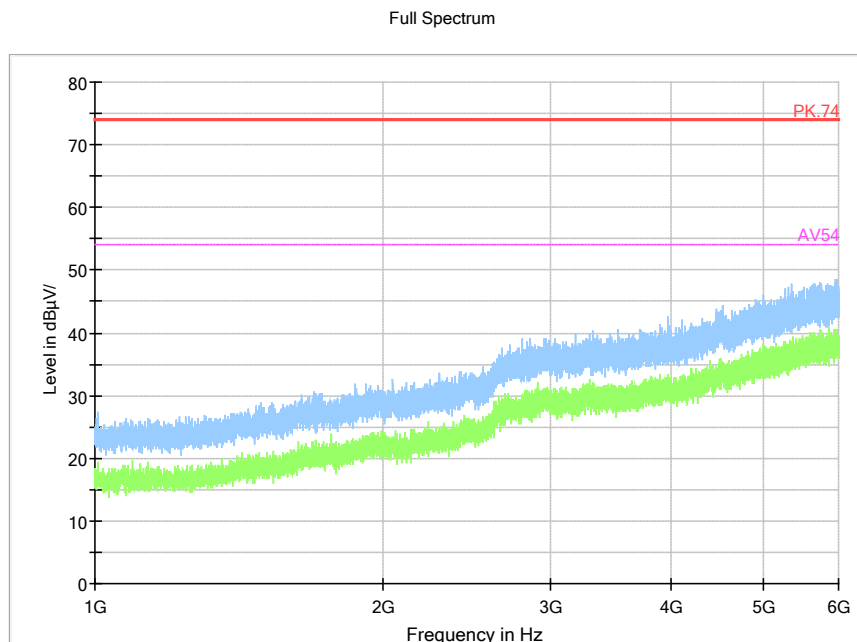
Frequency(MHz)	Result(dB μ V/m)	Limit (dB μ V/m)	ARpl (dB)	Pmea (dB μ V/m)	Polarity
77.384500	21.04	40.00	-23.3	44.34	V
126.175500	24.68	43.50	-21.0	45.68	V
126.515000	25.05	43.50	-21.0	46.05	V
126.757500	25.21	43.50	-21.1	46.31	V
127.145500	25.25	43.50	-21.1	46.35	V
127.388000	25.11	43.50	-21.1	46.21	V

EUT1+2#USB Cable1+4#Battery1 +9# Headset1+Laptop: refer to Pic7, Pic8, Pic9, Pic10



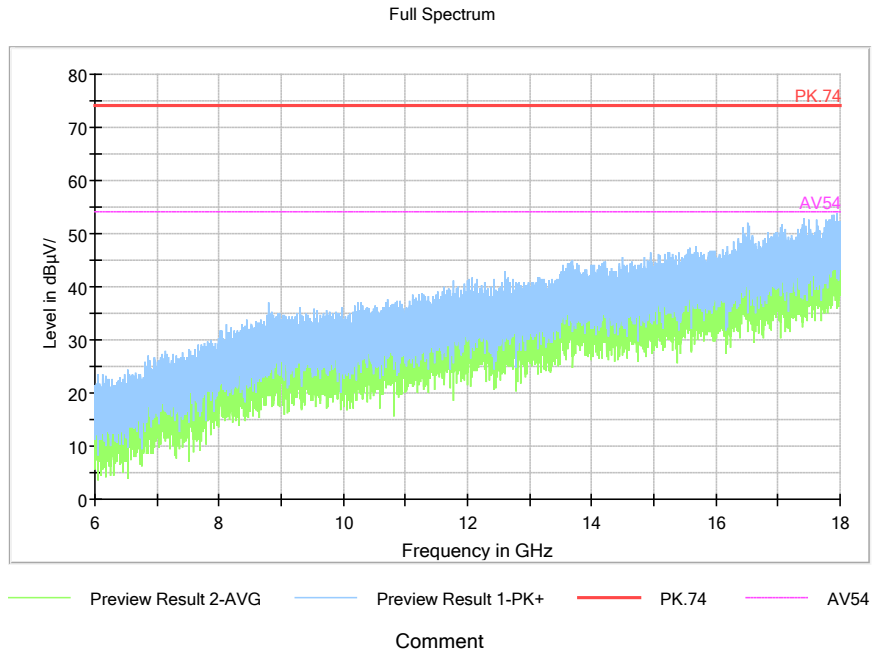
Pic7. Radiated emission(30MHz – 1GHz)

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



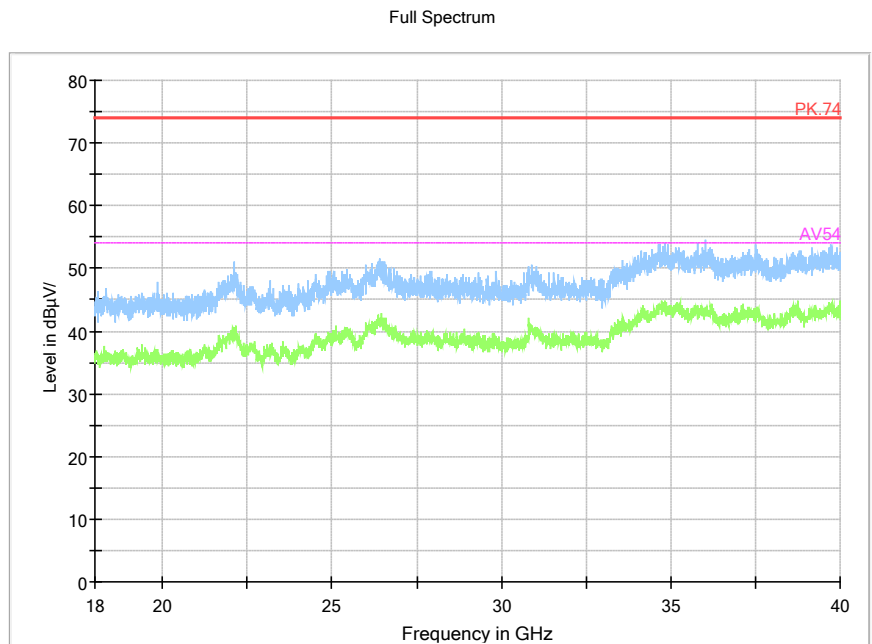
Pic8. Radiated emission (1GHz –6GHz)

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



Pic9. Radiated emission (6GHz –18GHz)

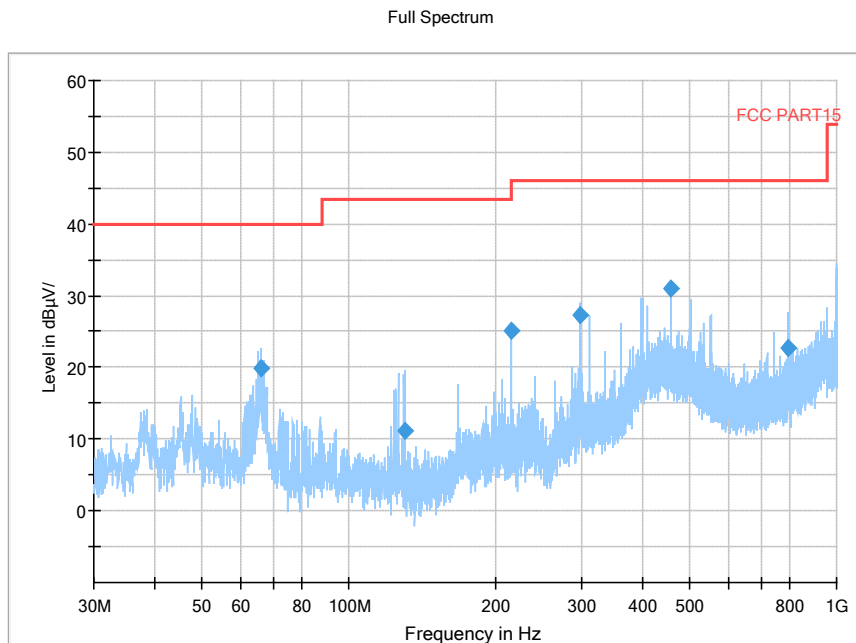
Note : The test data in the graph includes two polarizations: horizontal and vertical.



Pic10. Radiated emission (18GHz –40GHz)

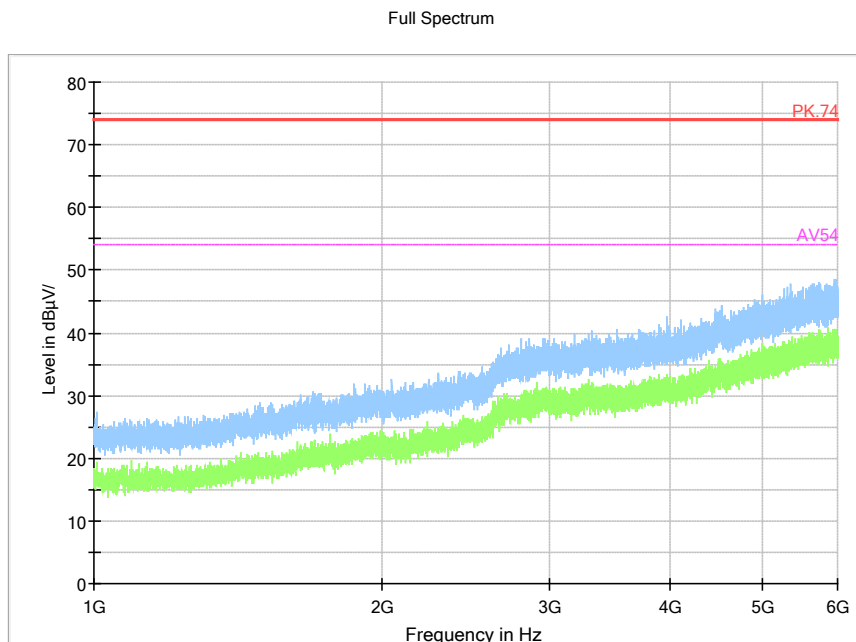
Note : The test data in the graph includes two polarizations: horizontal and vertical.

EUT2+3#USB Cable2+5#Battery2+10# Headset2 +Laptop: refer to Pic11, Pic12, Pic13, Pic14



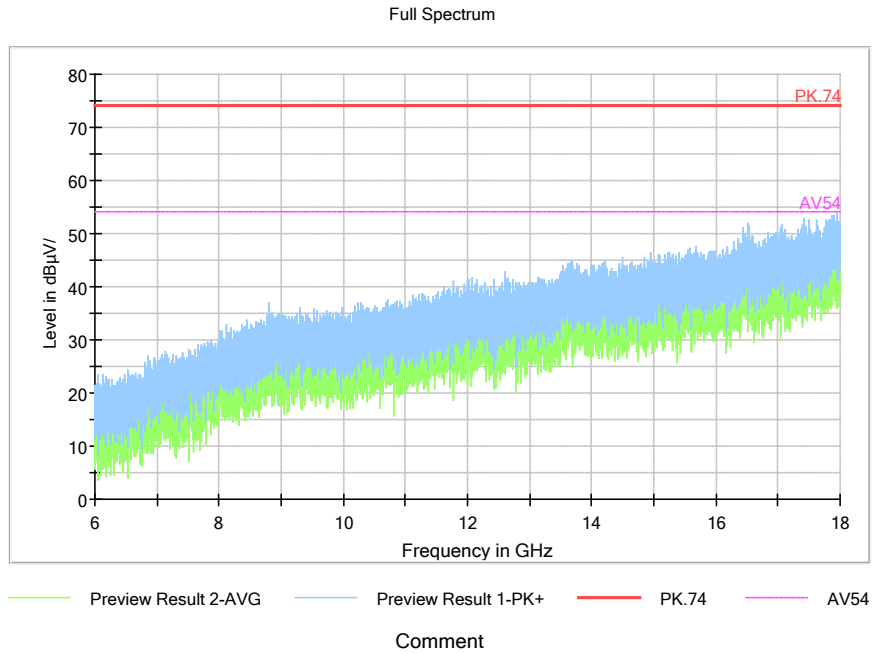
Pic11. Radiated emission(30MHz – 1GHz)

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



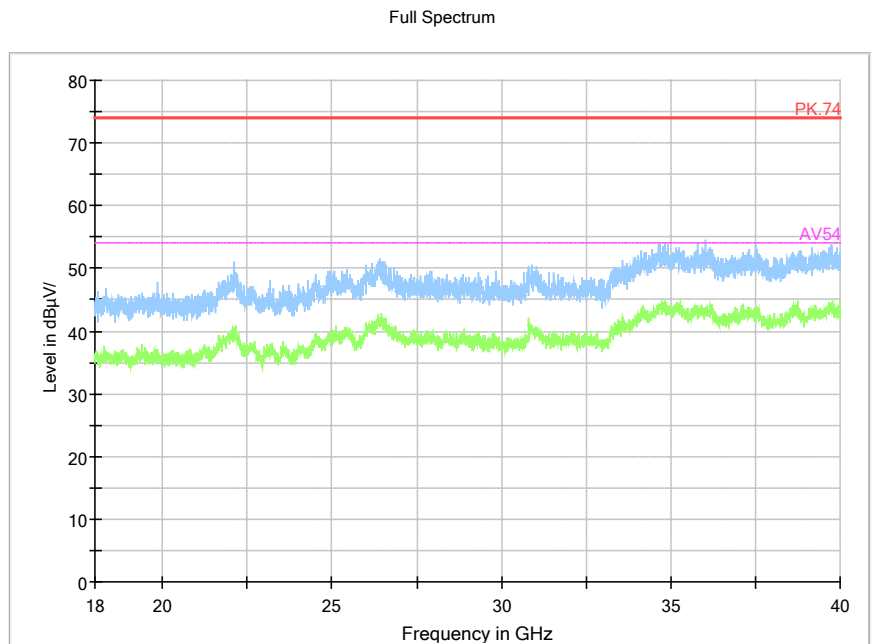
Pic12. Radiated emission (1GHz –6GHz)

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



Pic13. Radiated emission (6GHz –18GHz)

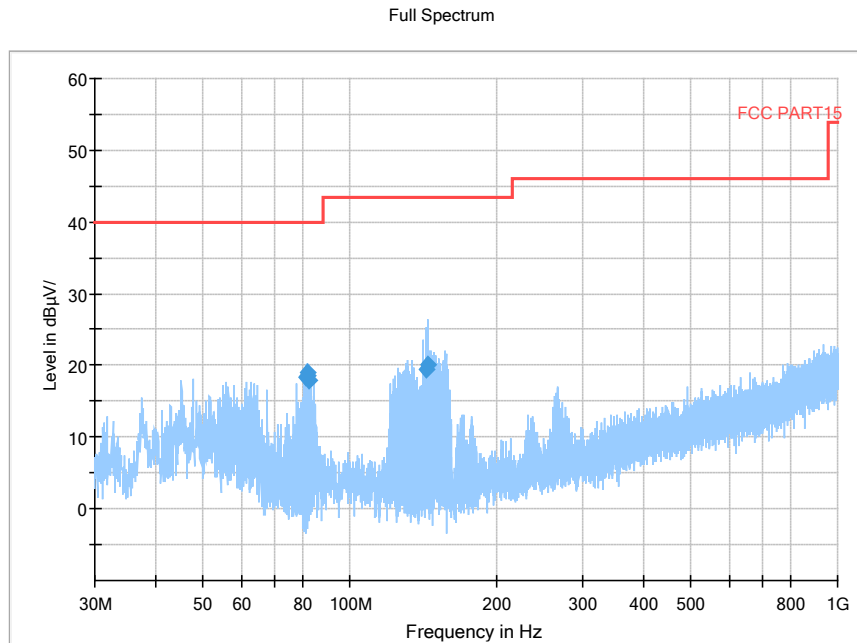
Note : The test data in the graph includes two polarizations: horizontal and vertical.



Pic14. Radiated emission (18GHz –40GHz)

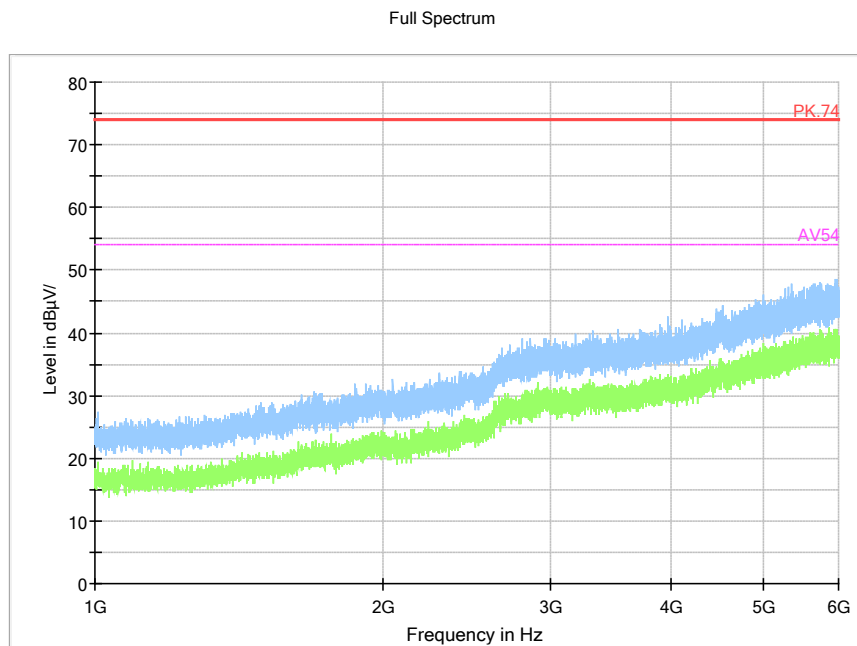
Note : The test data in the graph includes two polarizations: horizontal and vertical.

EUT1+2#USB Cable1+4#Battery1 +9# Headset1+6#Charger1: refer to Pic15, Pic16, Pic17, Pic18



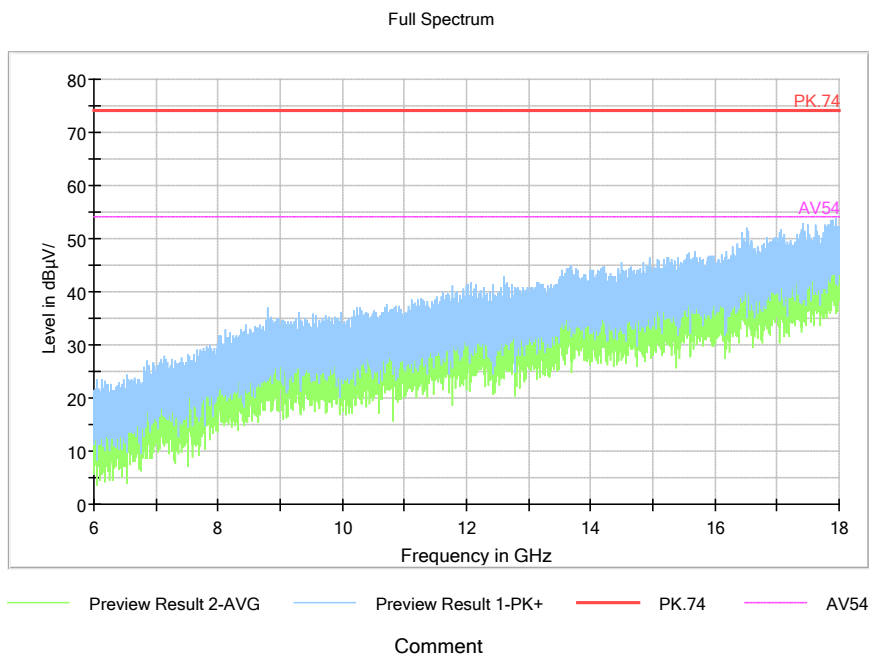
Pic15. Radiated emission(30MHz – 1GHz)

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



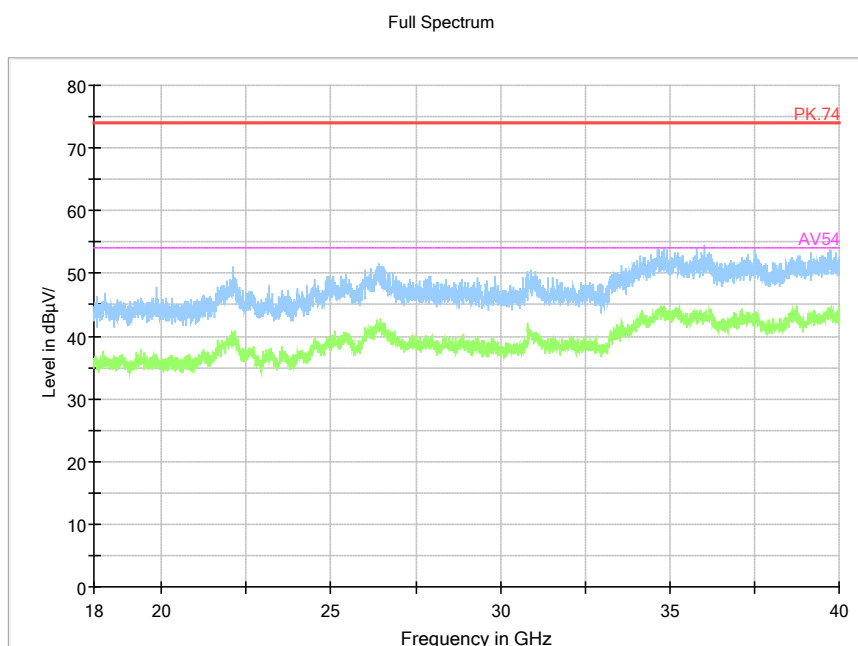
Pic16. Radiated emission (1GHz –6GHz)

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



Pic17. Radiated emission (6GHz –18GHz)

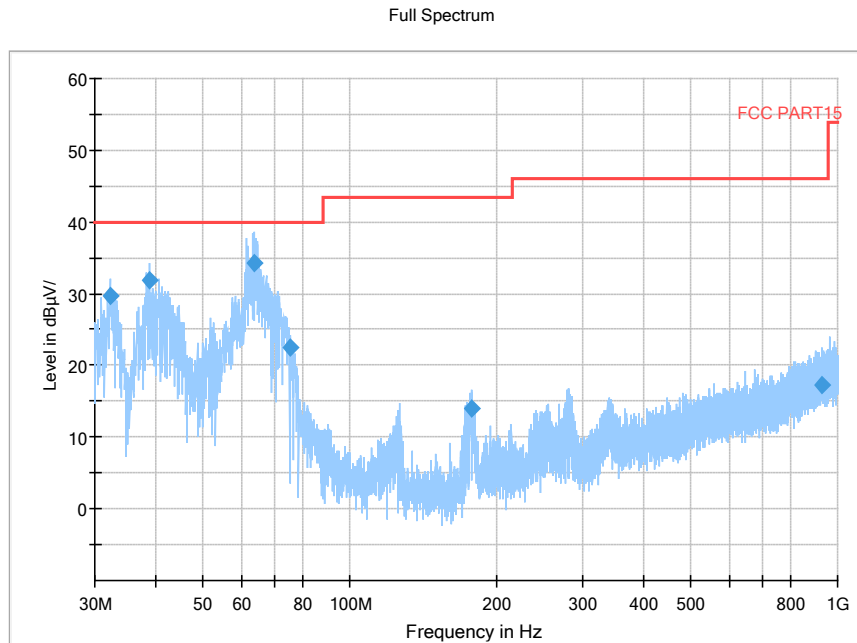
Note : The test data in the graph includes two polarizations: horizontal and vertical.



Pic18. Radiated emission (18GHz –40GHz)

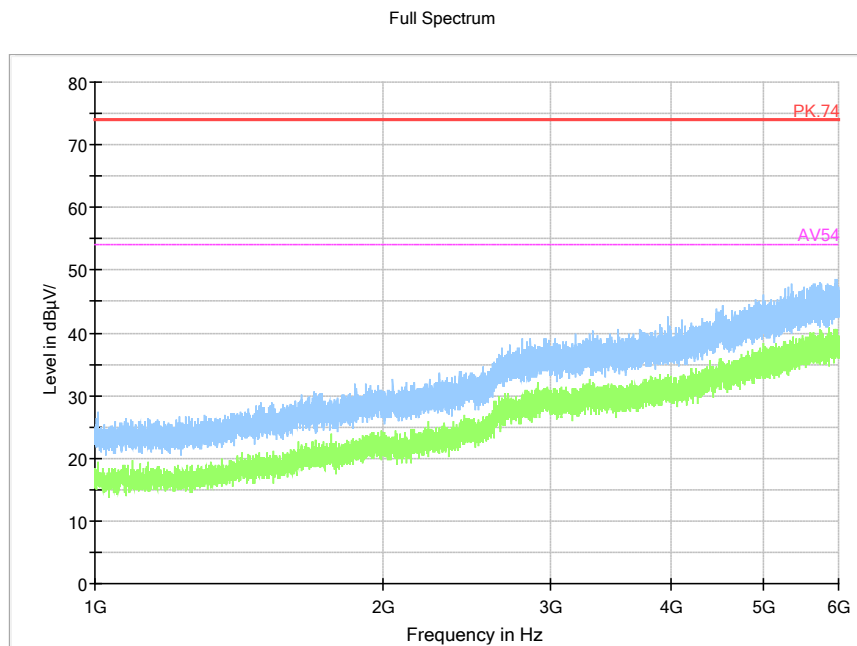
Note : The test data in the graph includes two polarizations: horizontal and vertical.

EUT2+3#USB Cable2+5#Battery2 +10# Headset2+7#Charger2: refer to Pic19, Pic20, Pic21, Pic22



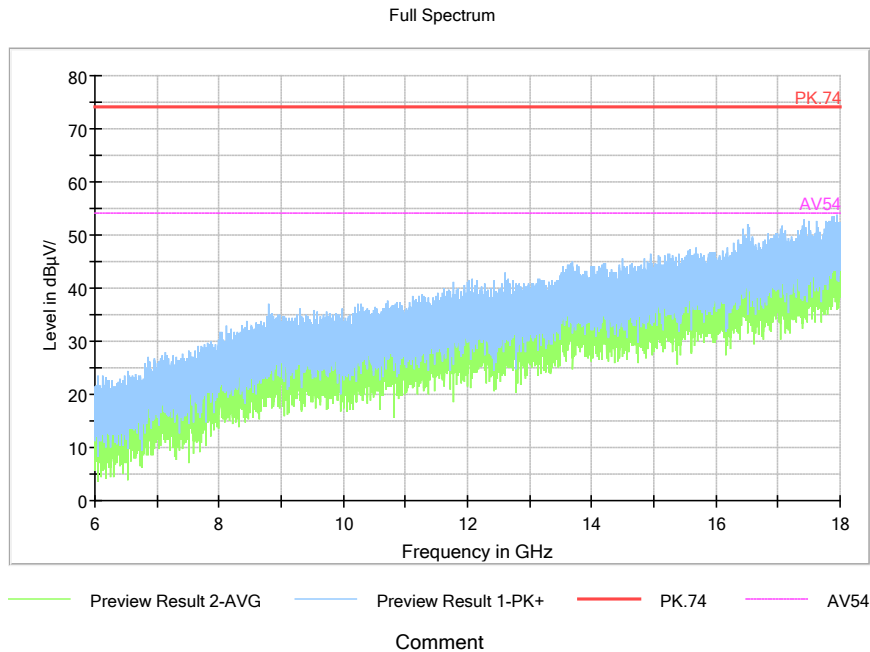
Pic19. Radiated emission(30MHz – 1GHz)

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



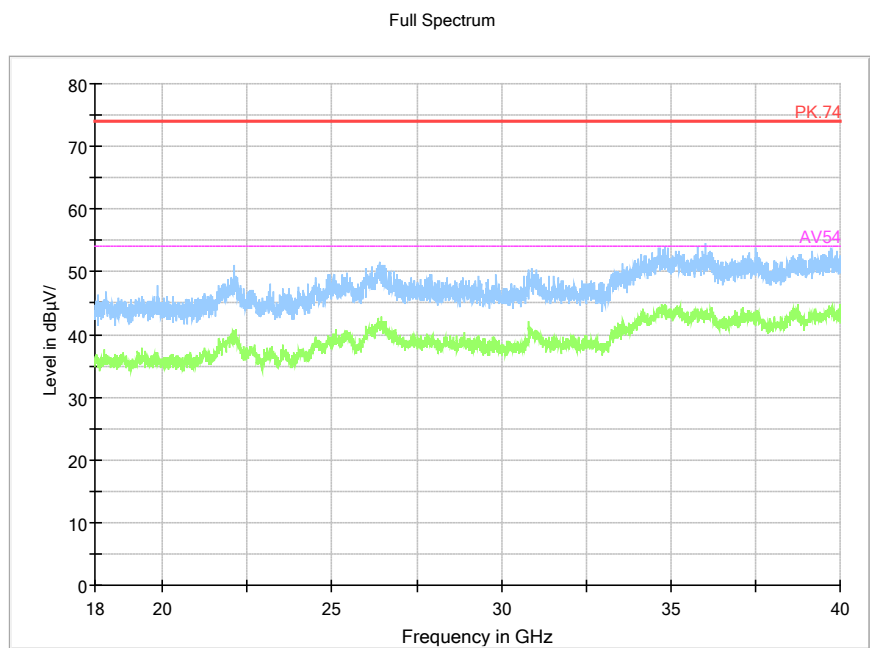
Pic20. Radiated emission (1GHz –6GHz)

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



Pic21. Radiated emission (6GHz –18GHz)

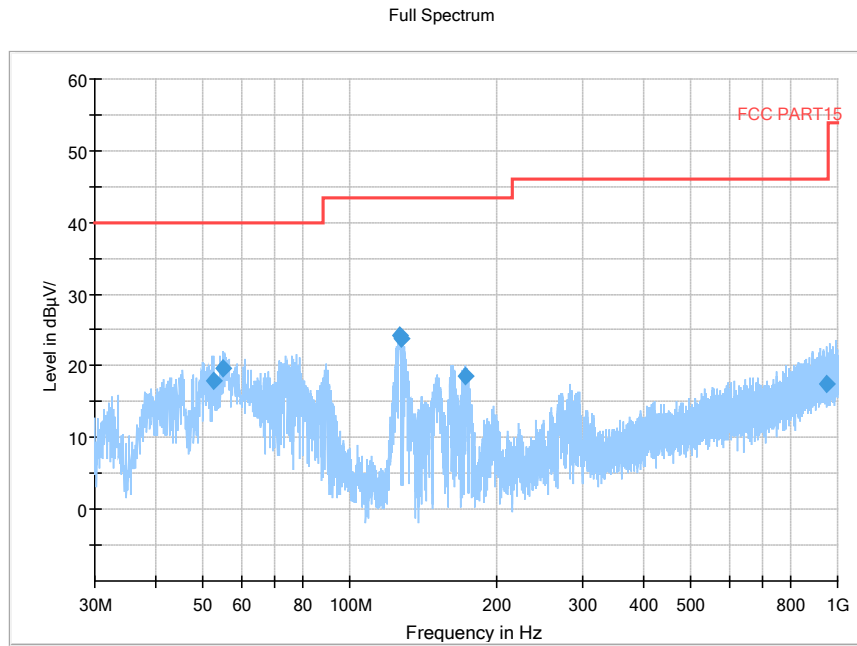
Note : The test data in the graph includes two polarizations: horizontal and vertical.



Pic22. Radiated emission (18GHz –40GHz)

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

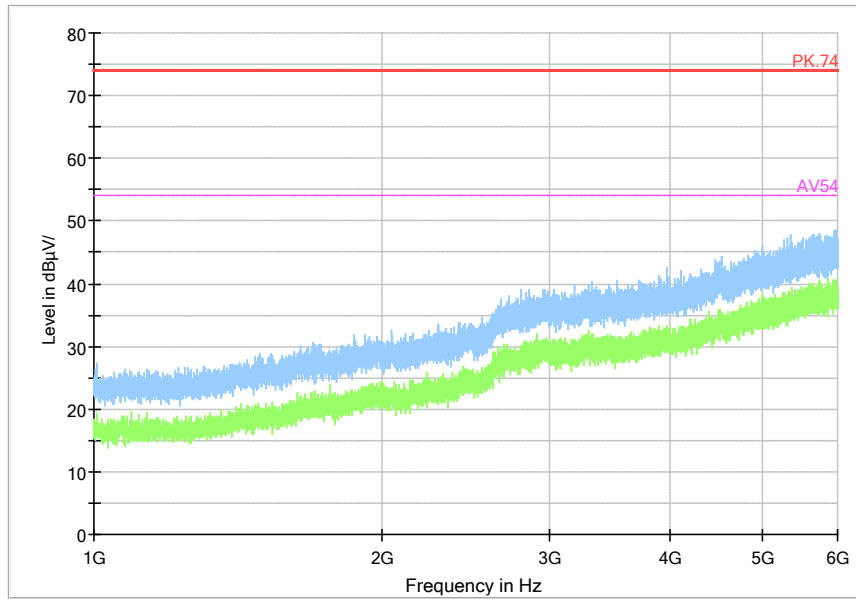
EUT1+3#USB Cable2+4#Battery1 +10# Headset2+8#Charger3: refer to Pic23, Pic24, Pic25, Pic26



Pic23. Radiated emission(30MHz – 1GHz)

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

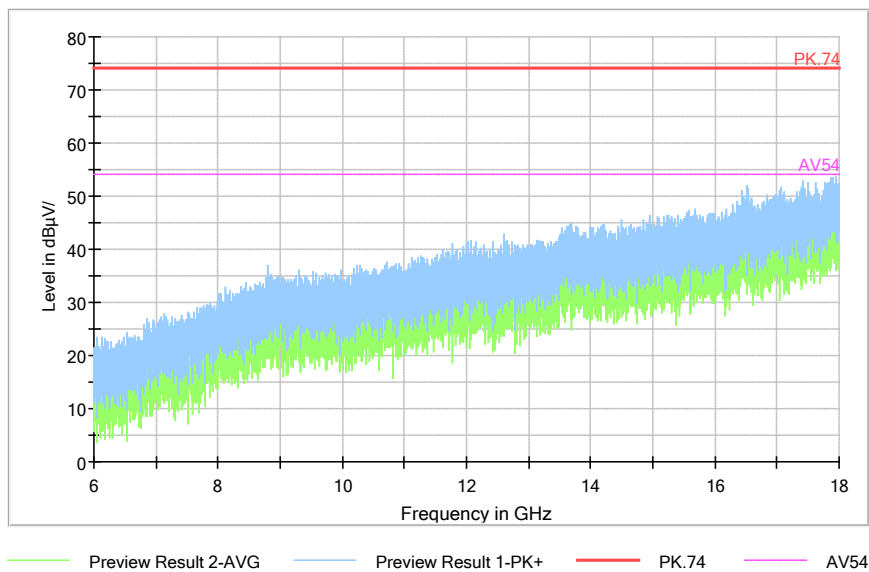
Full Spectrum



Pic24. Radiated emission (1GHz –6GHz)

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

Full Spectrum

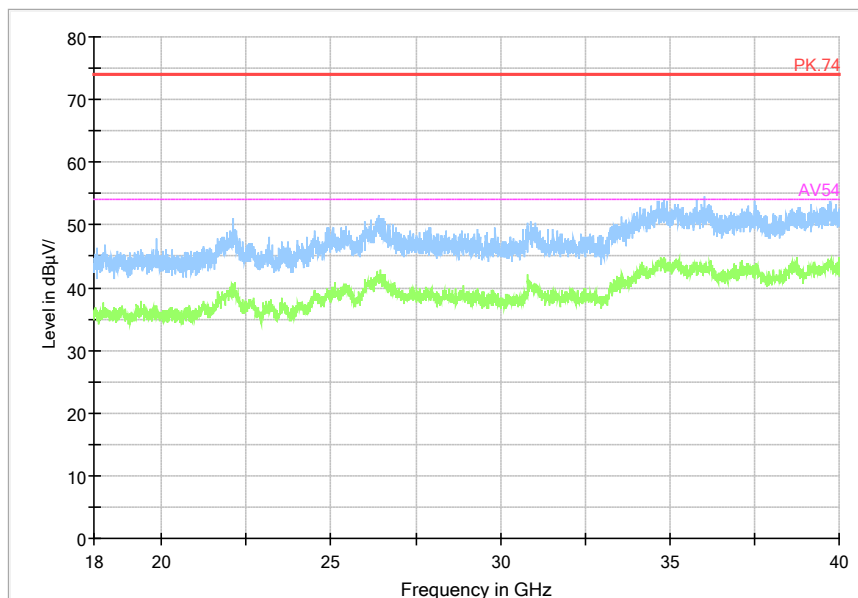


Comment

Pic25. Radiated emission (6GHz –18GHz)

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

Full Spectrum



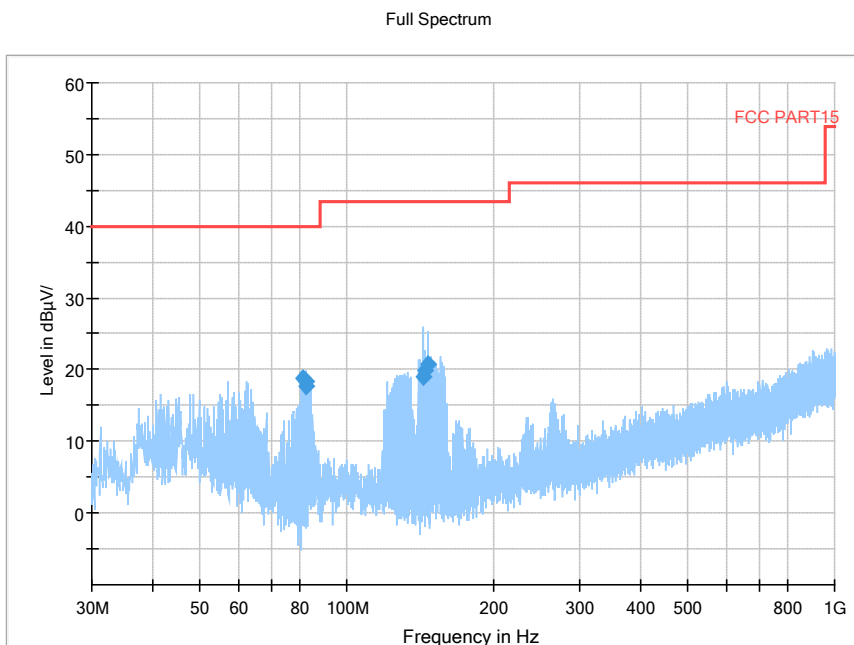
Pic26. Radiated emission (18GHz –40GHz)

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

Open the FM of EUT:

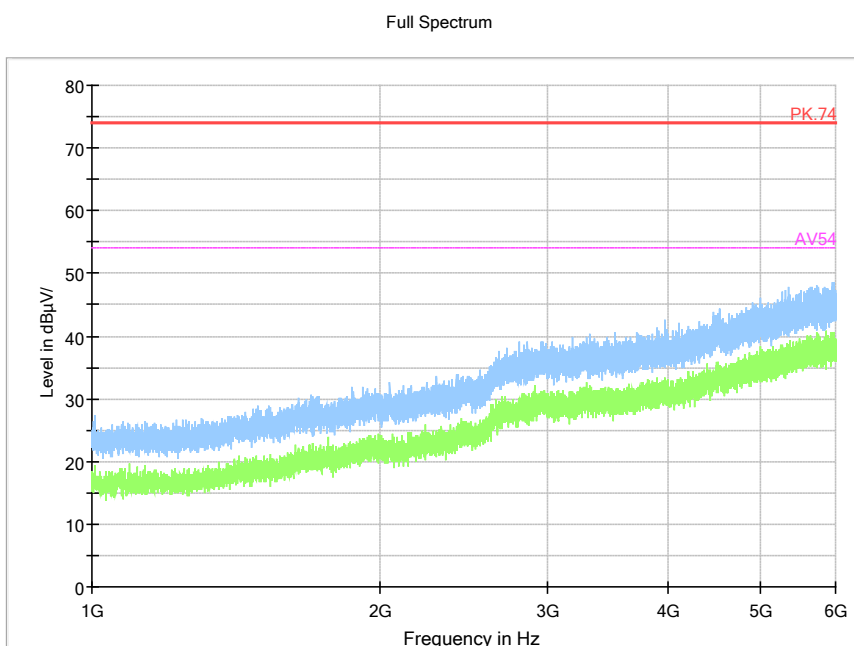
 EUT1+2#USB Cable1+4#Battery1 +9# Headset1+6#Charger1: refer to Pic27,

 Pic28, Pic29, Pic30



Pic27. Radiated emission(30MHz – 1GHz)

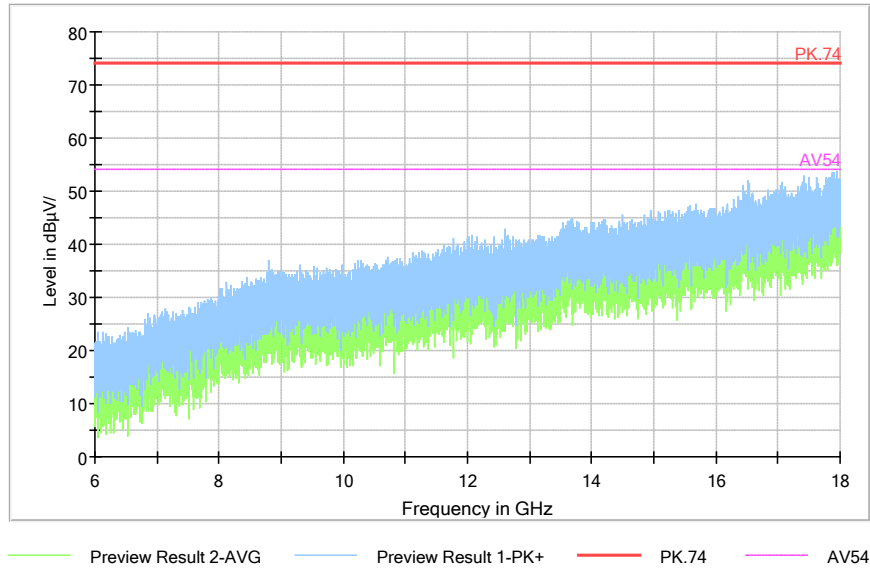
Note : The test data in the graph includes two polarizations: horizontal and vertical



Pic28. Radiated emission (1GHz –6GHz)

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

Full Spectrum

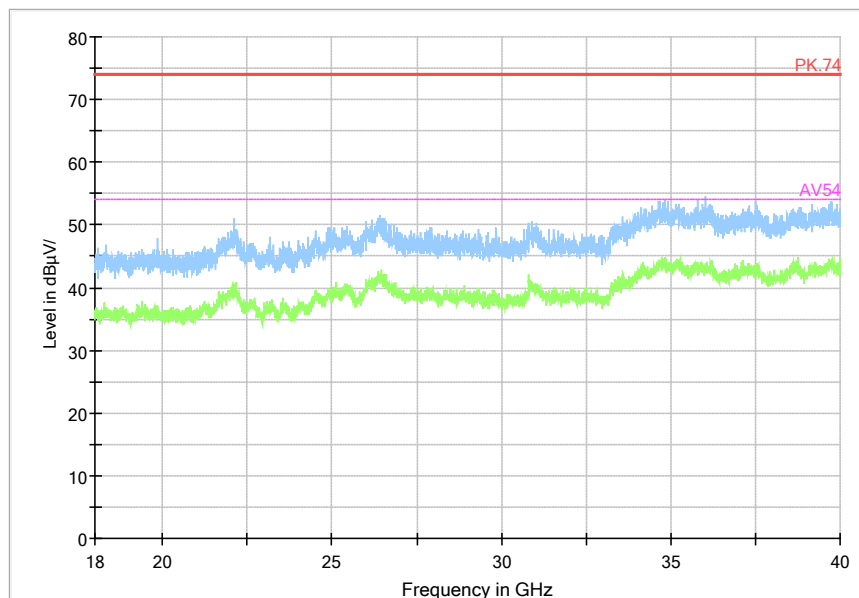


Comment

Pic29. Radiated emission (6GHz –18GHz)

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

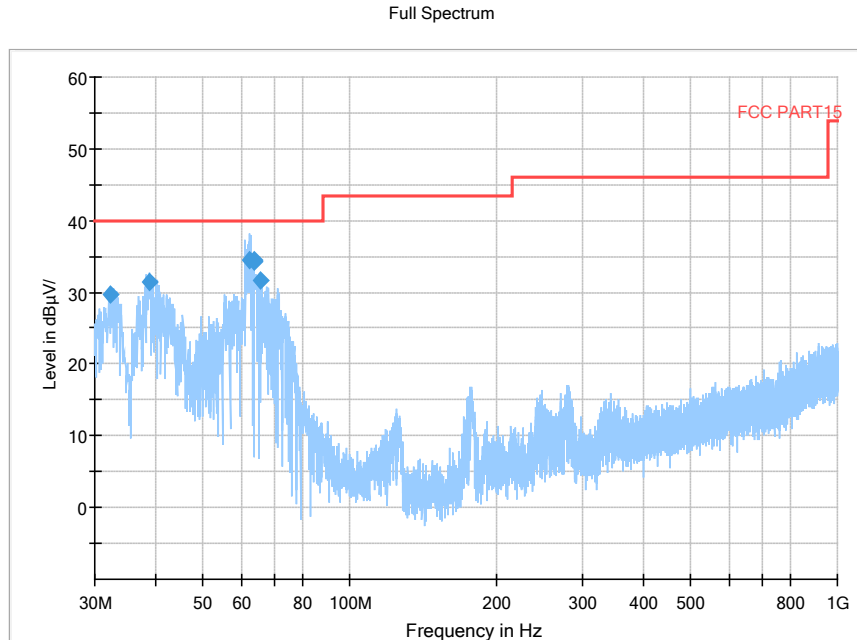
Full Spectrum



Pic30. Radiated emission (18GHz –40GHz)

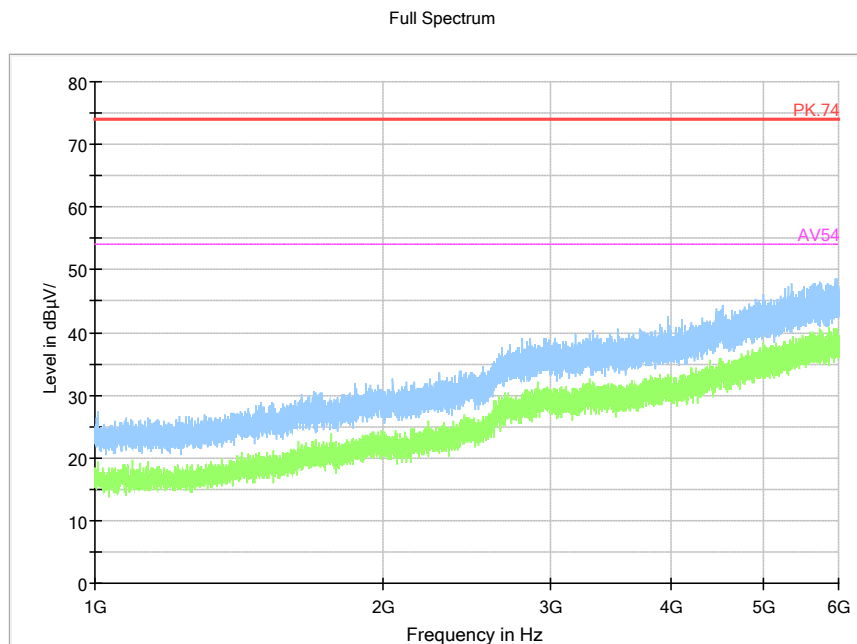
Note : The test data in the graph includes two polarizations: horizontal and vertical.

EUT2+3#USB Cable2+5#Battery2 +10# Headset2+7#Charger2: refer to Pic31, Pic32, Pic33, Pic34



Pic31. Radiated emission(30MHz – 1GHz)

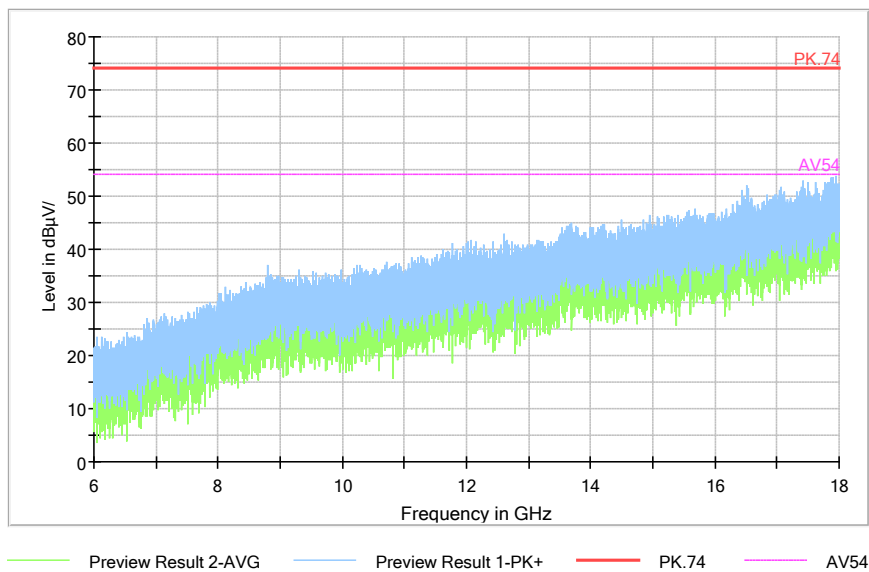
Note : The test data in the graph includes two polarizations: horizontal and vertical



Pic32. Radiated emission (1GHz –6GHz)

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

Full Spectrum

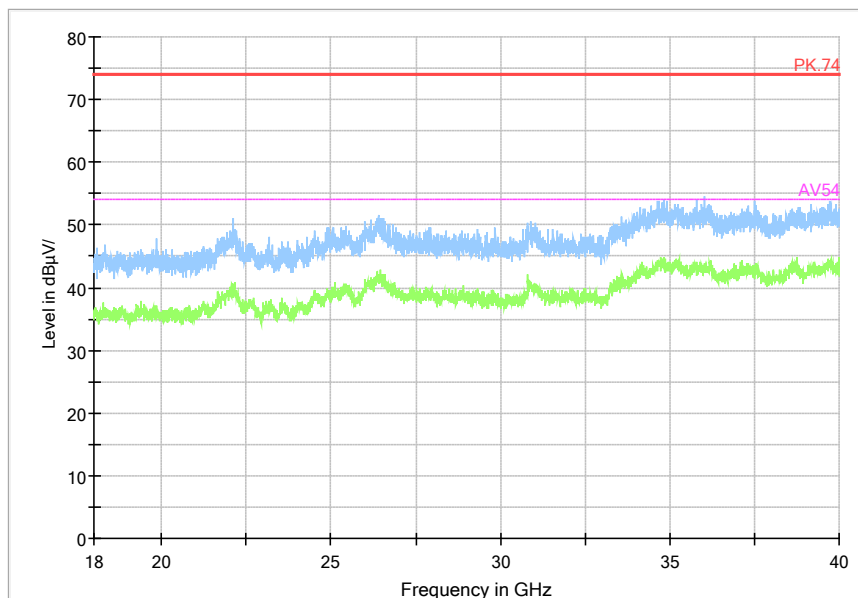


Comment

Pic33. Radiated emission (6GHz –18GHz)

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

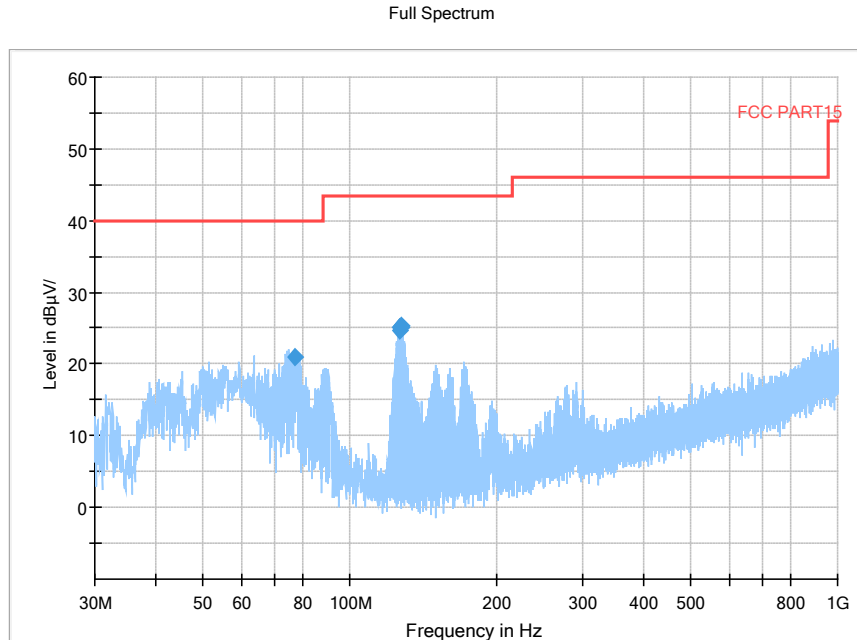
Full Spectrum



Pic34. Radiated emission (18GHz –40GHz)

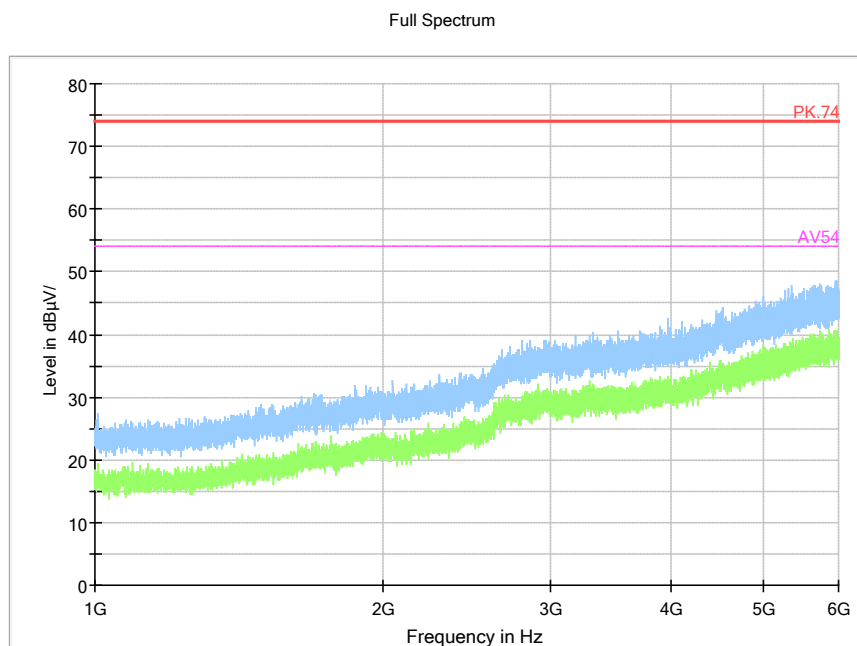
Note : The test data in the graph includes two polarizations: horizontal and vertical.

EUT1+3#USB Cable2+4#Battery1 +10# Headset2+8#Charger3: refer to Pic35, Pic36, Pic37, Pic38



Pic35. Radiated emission(30MHz – 1GHz)

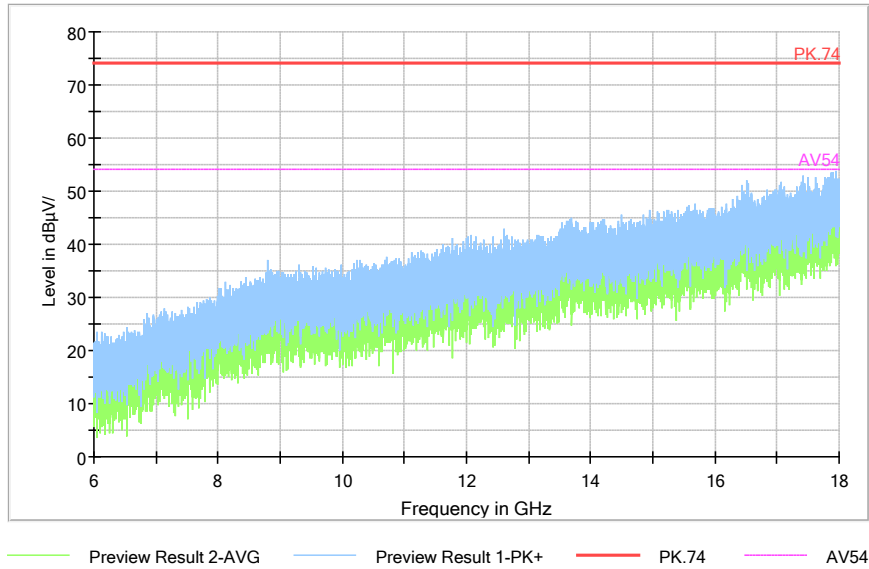
Note : The test data in the graph includes two polarizations: horizontal and vertical



Pic36. Radiated emission (1GHz –6GHz)

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

Full Spectrum

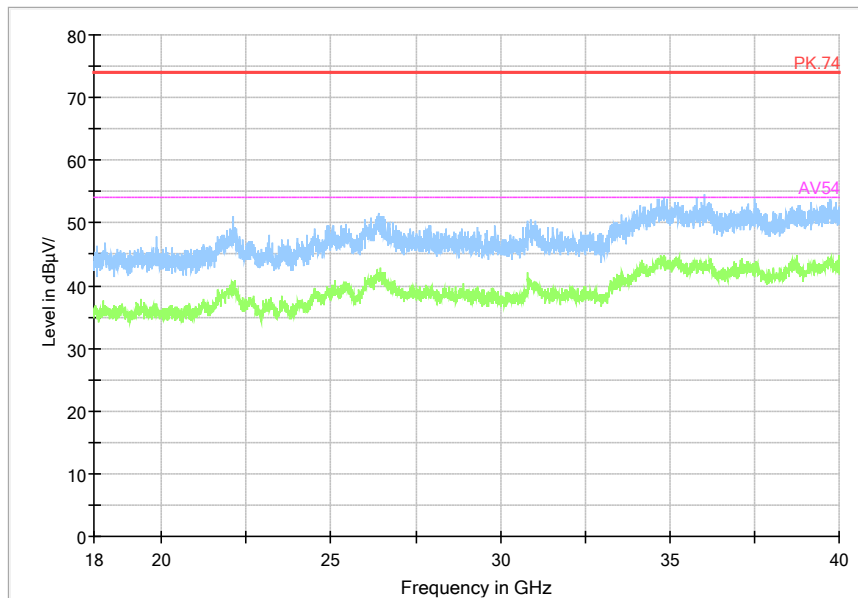


Comment

Pic37. Radiated emission (6GHz –18GHz)

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

Full Spectrum



Pic38. Radiated emission (18GHz –40GHz)

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×9.60mS emi-AnechoicChamber	FRANKONIA	-----	5th Sep. 2021	6th Sep. 2016
2	ESW EMI test receiver	R&S	101574	20th Aug. 2020	20th Aug. 2019
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. 2020	20th Aug. 2019
7	HF 907 Double-Ridged Waveguide Horn Antenna	R&S	100512	20th Aug. 2020	20th Aug. 2019
8	PS2000 Turn Table	FRANKONIA	-----	-----	-----
9	MA260 Antenna Master	FRANKONIA	-----	-----	-----
10	EMC32EMI test software	R&S	-----	-----	-----

-----The End-----