FCC EMC Test Report

Report No.:	JYTSZ-R01-2400116
Applicant:	TECNO MOBILE LIMITED
Address of Applicant:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Equipment Under Test (EUT)	
Product Name:	Mobile Phone
Model No.:	AE11
Trade Mark:	TECNO
FCC ID:	2ADYY-AE11
Applicable Standards:	FCC CFR Title 47 Part 15B
Date of Sample Receipt:	12 Mar., 2024
Date of Test:	13 Mar., to 23 May, 2024
Date of report Issued:	24 May, 2024
Test Result:	PASS

Project by:	Luca Ping ***Project Engineer***	***Date:***	*24 May, 2024*
Reviewed by:	Victor Zhang ***Senior Engineer***	***Date:***	*24 May, 2024*
Approved by:	Janet Wei ***Manager***	***Date:***	*24 May, 2024*

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	*24 May, 2024*	*Original*

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3 General Information

3.1 Client Information

Applicant:	TECNO MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	TECNO MOBILE LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

3.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	AE11
Power Supply:	Rechargeable Li-ion Polymer Battery DC3.91V, 3410mAh & Rechargeable Li-ion Polymer Battery DC3.91V, 1180mAh
AC Adapter:	Model: U700TSA Input: AC100-240V, 50/60Hz, 2.0A Output: DC 5.0V, 3.0A 15.0W or 5.0-10.0V, 7.0A MAX or 11.0V, 6.4A MAX or 4.0-20.0V, 3.5A 70.0W MAX
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Test Mode

Operating Mode	Detail Description
PC mode	Keep the EUT in Downloading mode(Worst case)
Charging+Recording mode	Keep the EUT in Charging+Recording mode
Charging+Playing mode	Keep the EUT in Charging+Playing mode
FM mode	Keep the EUT in FM receiver mode
GPS mode	Keep the EUT in GPS receiver mode
The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.	

3.4 Description of Test Auxiliary Equipment

Manufacturer	Description	Model	S/N	FCC ID/DoC
Lenovo	Laptop	ThinkPad T14 Gen 1	SL10Z47277	DoC
HP	Printer	HP LaserJet P1007	VNFP409729	DoC

3.5 Description of Cable Used

Cable Type	Description	Length	From	To
Detached USB Cable	Shielding	1.0m	EUT	PC/Adapter

3.6 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	3.57 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	3.14 dB
Radiated Emission (30MHz ~ 200MHz) (3m SAC)	4.6 dB
Radiated Emission (200MHz ~ 1000MHz) (3m SAC)	5.8 dB
Radiated Emission (1GHz ~ 6GHz) (3m SAC)	4.5 dB
Radiated Emission (6GHz ~ 18GHz) (3m SAC)	4.7 dB

Note: *All the measurement uncertainty value were shown with a coverage k=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.*

3.7 Additions to, Deviations, or Exclusions from the Method

No

3.8 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

- **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

- **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

- **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

3.9 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.
Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.
Tel: +86-755-23118282, Fax: +86-755-23116366
Email: info-JYTee@lets.com, Website: http://jyt.lets.com

3.10 Test Instruments List

Radiated Emission(3m SAC):

Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
3m SAC	ETS	9m*6m*6m	WXJ001-1	04-14-2021	04-13-2026
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	01-09-2024	01-08-2025
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	01-05-2024	01-04-2025
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	12-27-2023	12-26-2024
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	12-27-2023	12-26-2024
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	12-27-2023	12-26-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	12-27-2023	12-26-2024
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-17-2024	01-16-2025
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-17-2024	01-16-2025
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

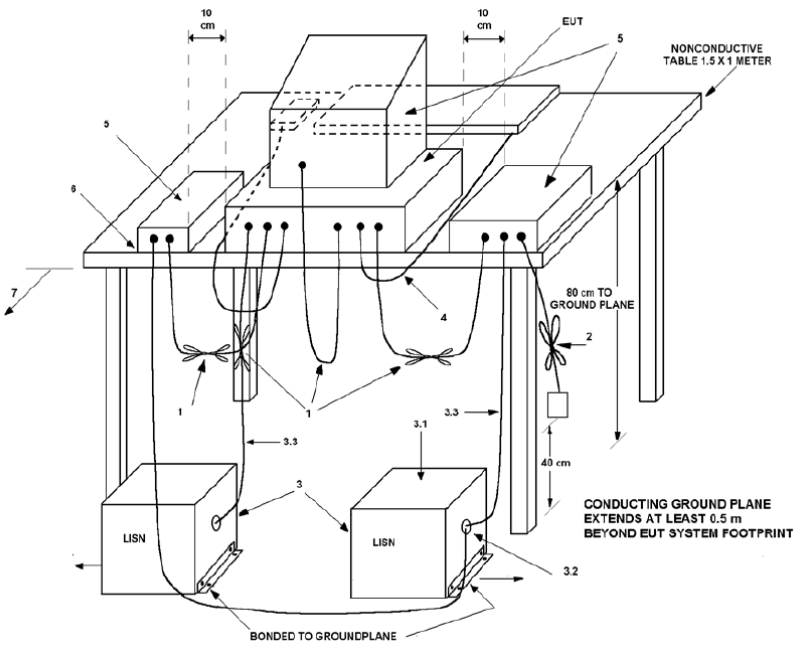
Conducted Emission:

Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	07-05-2023	07-04-2024
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	12-27-2023	12-26-2024
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	12-27-2023	12-26-2024
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-17-2024	01-16-2025
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

4 Measurement Setup and Procedure

4.1 Test Setup

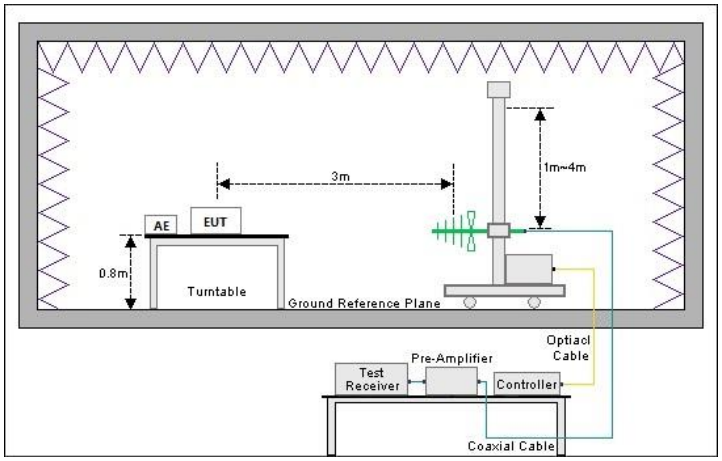
1) Conducted emission measurement:



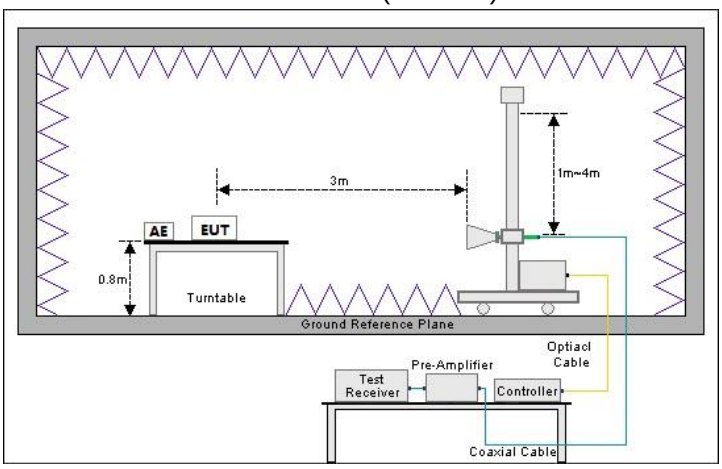
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

Below 1GHz (3m SAC)



Above 1GHz (3m SAC)



4.2 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4 on conducted measurement.
Radiated emission	**For below 1GHz:** 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data. **For above 1GHz:** 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m. 2. EUT works in each mode of operation that needs to be tested，and having the EUT continuously working, respectively on 3 axis (X, Y & Z) and considered typical configuration to obtain worst position. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations. 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.

5 Test Results

5.1 Summary

5.1.1 Clause and data summary

Test items	Standard clause	Test data	Result
Conducted Emission	Part 15.107	See Section 5.2	Pass
Radiated Emission	Part 15.109	See Section 5.3	Pass

Remark:

1. *The EUT is a **Class B** digital device.*
2. *Pass: The EUT complies with the essential requirements in the standard.*
3. *N/A: Not Applicable.*

Test Method:	*ANSI C63.4:2014*

5.1.2 Test Limit

Test items	Limit
Conducted Emission	
Radiated Emission	

Frequency (MHz)	Class A Limit (dBμV)		Class B Limit (dBμV)	
	Quasi-Peak	Average	Quasi-Peak	Average
0.15 – 0.5	79	66	66 to 56 Note 1	56 to 46 Note 1
0.5 – 5	73	60	56	46
5 – 30	73	60	60	50

Note 1: The limit level in dBμV decreases linearly with the logarithm of frequency.
Note 2: The more stringent limit applies at transition frequencies.

Frequency (MHz)	Class A Limit (dBμV/m)		Class B Limit (dBμV/m)	
	Quasi-Peak @ 3m	Quasi-Peak @ 10m	Quasi-Peak @ 3m	Quasi-Peak @ 10m
30 – 88	49.0	39.0	40.0	30.0
88 – 216	53.5	43.5	43.5	33.5
216 – 960	56.0	46.0	46.0	36.0
960 – 1000	60.0	50.0	54.0	44.0

Note: The more stringent limit applies at transition frequencies.

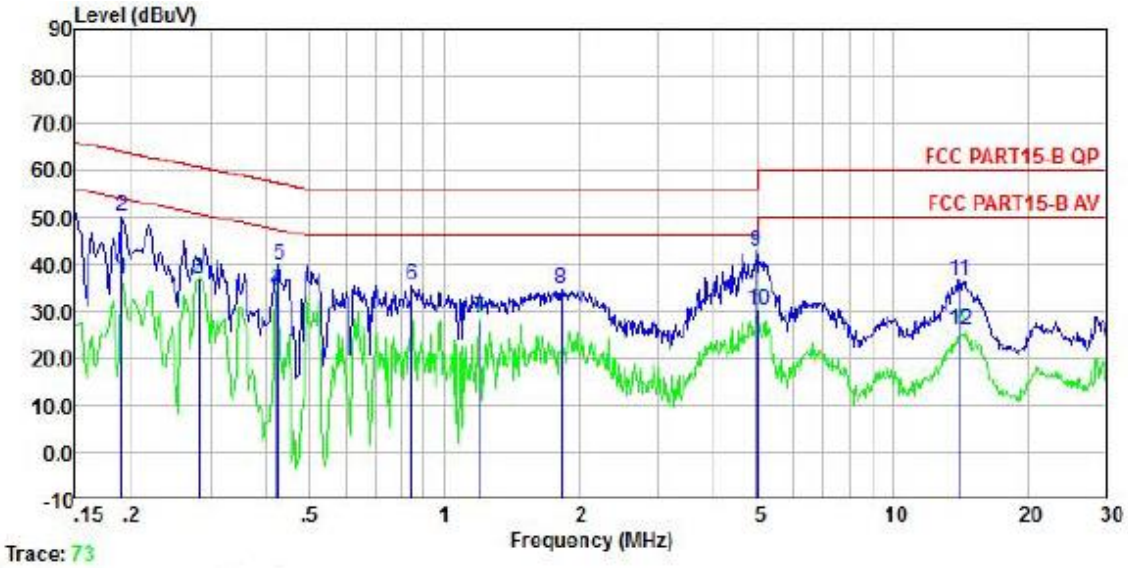
Frequency	Class A Limit (dBμV/m) @ 3m		Class B Limit (dBμV/m) @ 3m	
	Average	Peake	Average	Peake
Above 1 GHz	60.0	80.0	54.0	74.0

Note: The measurement bandwidth shall be 1 MHz or greater.

5.2 Conducted Emission

Unflip mode:

Product name:	Mobile Phone	**Product model:**	AE11
Test by:	Kiran Zeng	**Test mode:**	PC mode
Test frequency:	150 kHz ~ 30 MHz	**Phase:**	Line
Test voltage:	AC 120 V/60 Hz		

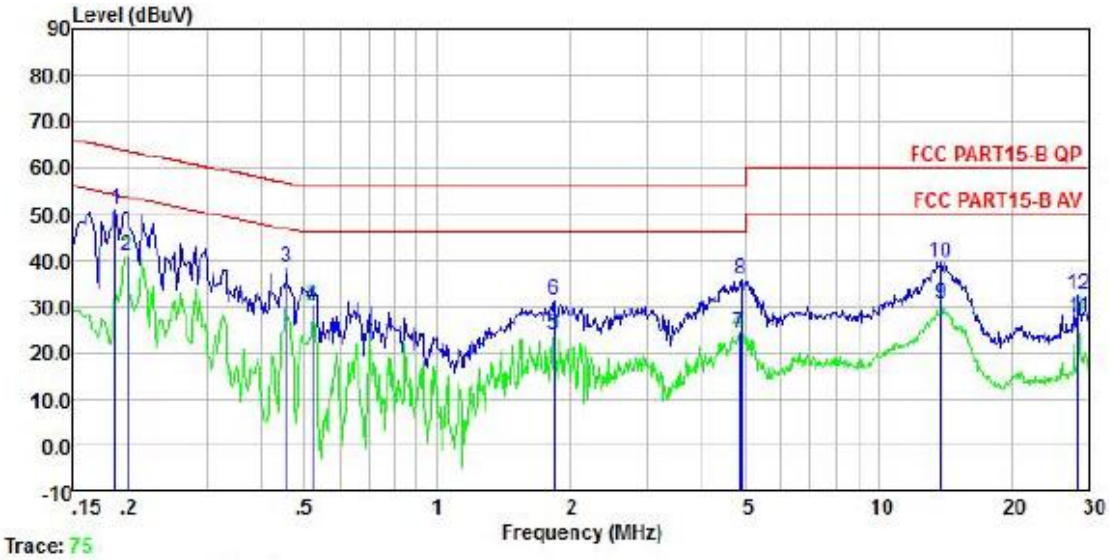


	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.190	26.75	0.20	0.00	9.88	0.03	36.86	54.02	-17.16	Average
2	0.190	40.09	0.20	0.00	9.88	0.03	50.20	64.02	-13.82	QP
3	0.282	26.90	0.20	0.00	9.88	0.02	37.00	50.76	-13.76	Average
4	0.421	24.07	0.20	0.00	9.88	0.04	34.19	47.42	-13.23	Average
5	0.426	29.75	0.20	0.00	9.88	0.03	39.86	57.33	-17.47	QP
6	0.844	25.14	0.20	0.00	9.88	0.04	35.26	56.00	-20.74	QP
7	1.197	18.15	0.20	0.00	9.88	0.09	28.32	46.00	-17.68	Average
8	1.819	24.35	0.20	0.00	9.88	0.19	34.62	56.00	-21.38	QP
9	4.952	32.44	0.20	0.00	9.89	0.09	42.62	56.00	-13.38	QP
10	5.005	20.02	0.20	0.00	9.89	0.09	30.20	50.00	-19.80	Average
11	14.138	26.20	0.28	0.00	9.93	0.12	36.53	60.00	-23.47	QP
12	14.213	15.61	0.29	0.00	9.93	0.12	25.95	50.00	-24.05	Average

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	Mobile Phone	**Product model:**	AE11
Test by:	Kiran Zeng	**Test mode:**	PC mode
Test frequency:	150 kHz ~ 30 MHz	**Phase:**	Neutral
Test voltage:	AC 120 V/60 Hz		



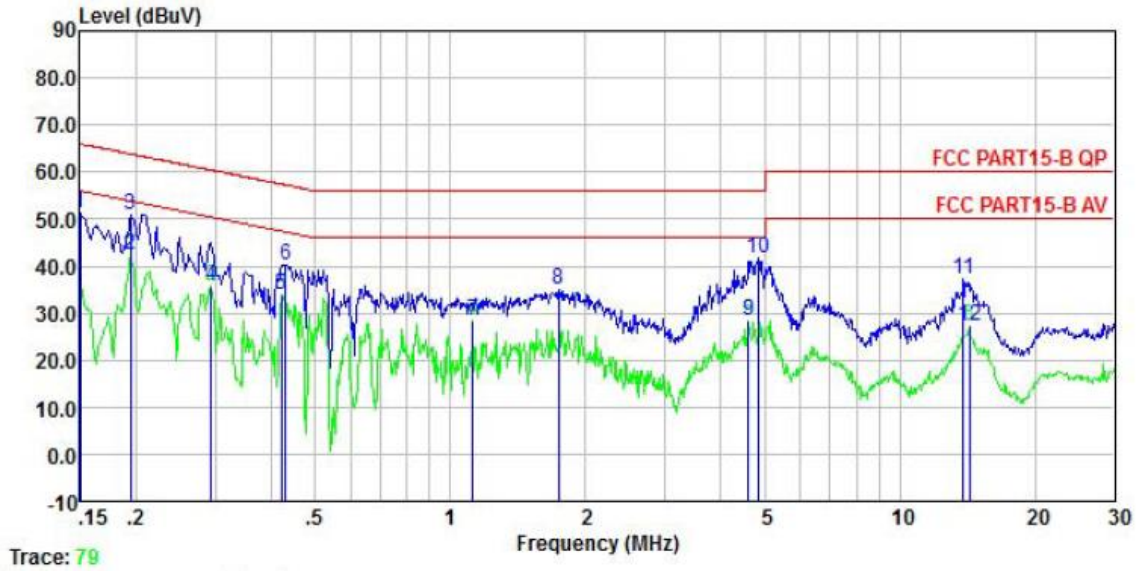
	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.186	40.75	0.20	0.00	9.88	0.02	50.85	64.20	-13.35	QP
2	0.198	30.64	0.20	0.00	9.88	0.04	40.76	53.71	-12.95	Average
3	0.454	28.22	0.20	0.00	9.88	0.03	38.33	56.80	-18.47	QP
4	0.521	20.19	0.20	0.00	9.88	0.03	30.30	46.00	-15.70	Average
5	1.839	13.57	0.29	0.00	9.88	0.19	23.93	46.00	-22.07	Average
6	1.839	20.81	0.29	0.00	9.88	0.19	31.17	56.00	-24.83	QP
7	4.822	14.00	0.30	0.00	9.89	0.09	24.28	46.00	-21.72	Average
8	4.874	25.60	0.30	0.00	9.89	0.09	35.88	56.00	-20.12	QP
9	13.841	20.08	0.40	0.00	9.93	0.12	30.53	50.00	-19.47	Average
10	13.841	29.16	0.40	0.00	9.93	0.12	39.61	60.00	-20.39	QP
11	28.452	17.14	0.40	0.00	10.03	0.20	27.77	50.00	-22.23	Average
12	28.452	21.90	0.40	0.00	10.03	0.20	32.53	60.00	-27.47	QP

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Flip mode:

Product name:	Mobile Phone	**Product model:**	AE11
Test by:	Kiran Zeng	**Test mode:**	PC mode
Test frequency:	150 kHz ~ 30 MHz	**Phase:**	Line
Test voltage:	AC 120 V/60 Hz		

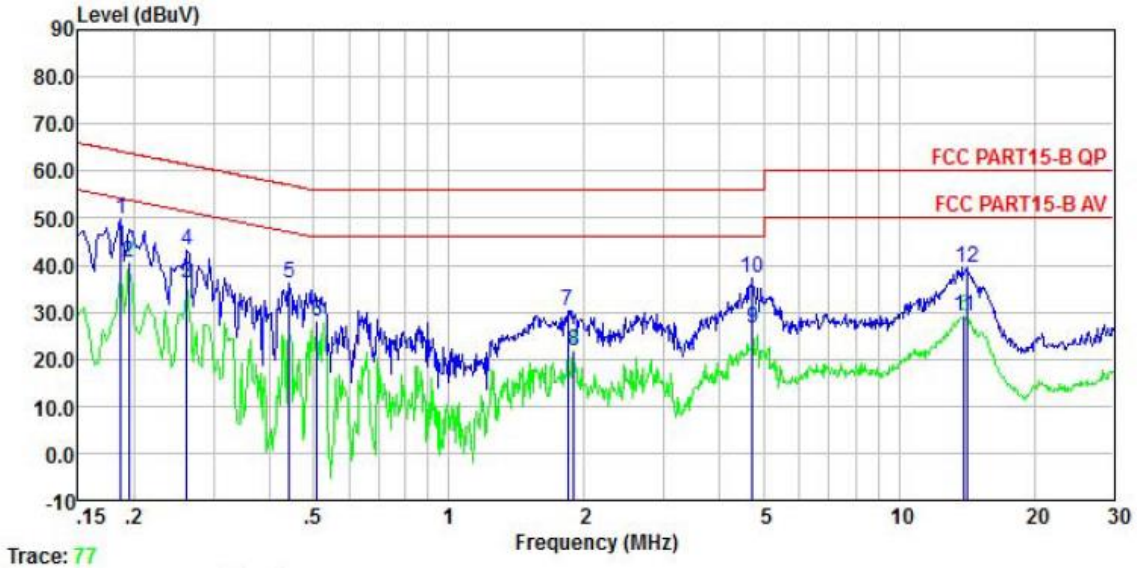


	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.150	41.16	0.20	0.00	9.88	0.01	51.25	66.00	-14.75	QP
2	0.194	32.44	0.20	0.00	9.88	0.03	42.55	53.84	-11.29	Average
3	0.194	40.83	0.20	0.00	9.88	0.03	50.94	63.84	-12.90	QP
4	0.294	25.79	0.20	0.00	9.88	0.03	35.90	50.41	-14.51	Average
5	0.421	23.89	0.20	0.00	9.88	0.04	34.01	47.42	-13.41	Average
6	0.431	30.03	0.20	0.00	9.88	0.03	40.14	57.24	-17.10	QP
7	1.123	18.09	0.20	0.00	9.88	0.08	28.25	46.00	-17.75	Average
8	1.744	24.79	0.20	0.00	9.88	0.18	35.05	56.00	-20.95	QP
9	4.598	18.25	0.20	0.00	9.89	0.09	28.43	46.00	-17.57	Average
10	4.822	31.52	0.20	0.00	9.89	0.09	41.70	56.00	-14.30	QP
11	13.841	26.83	0.28	0.00	9.93	0.12	37.16	60.00	-22.84	QP
12	14.288	17.09	0.29	0.00	9.93	0.13	27.44	50.00	-22.56	Average

Remark:

1. Level = Read level + LISN Factor + Cable Loss.

Product name:	Mobile Phone	Product model:	AE11
Test by:	Kiran Zeng	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



	Freq	Read Level	LISN Factor	Aux Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dB	dBuV	dBuV	dB	
1	0.186	39.62	0.20	0.00	9.88	0.02	49.72	64.20	-14.48	QP
2	0.194	30.36	0.20	0.00	9.88	0.03	40.47	53.84	-13.37	Average
3	0.262	26.05	0.20	0.00	9.88	0.01	36.14	51.38	-15.24	Average
4	0.262	33.18	0.20	0.00	9.88	0.01	43.27	61.38	-18.11	QP
5	0.442	26.19	0.20	0.00	9.88	0.03	36.30	57.02	-20.72	QP
6	0.510	17.75	0.20	0.00	9.88	0.03	27.86	46.00	-18.14	Average
7	1.839	19.86	0.29	0.00	9.88	0.19	30.22	56.00	-25.78	QP
8	1.898	11.28	0.29	0.00	9.88	0.20	21.65	46.00	-24.35	Average
9	4.721	16.07	0.30	0.00	9.89	0.09	26.35	46.00	-19.65	Average
10	4.721	26.95	0.30	0.00	9.89	0.09	37.23	56.00	-18.77	QP
11	13.989	18.66	0.40	0.00	9.93	0.12	29.11	50.00	-20.89	Average
12	14.138	29.07	0.40	0.00	9.93	0.12	39.52	60.00	-20.48	QP

Remark:

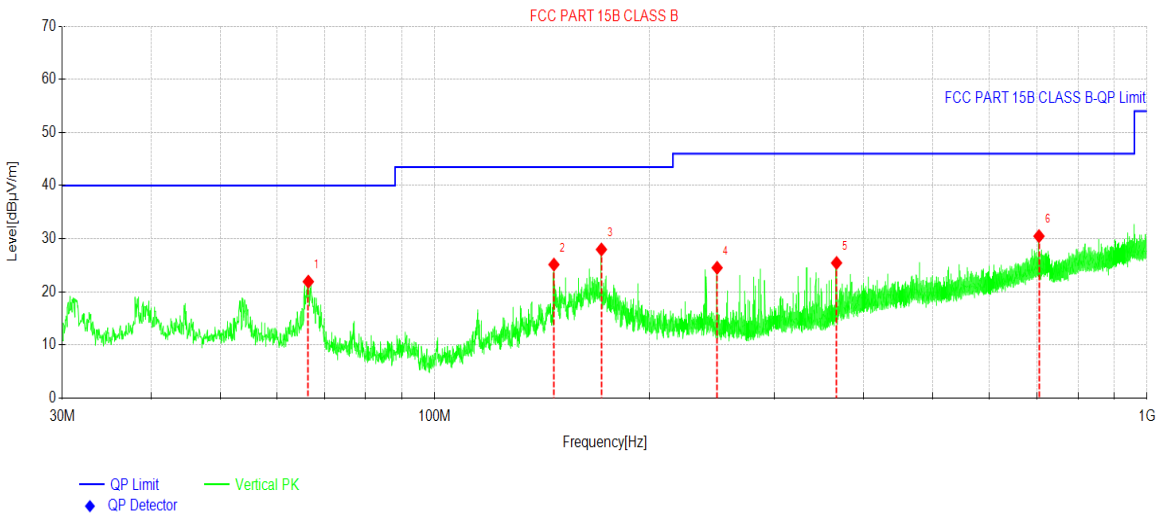
1. Level = Read level + LISN Factor + Cable Loss.

5.3 Radiated Emission

Unflip mode:

Below 1GHz:

Product Name:	Mobile Phone	**Product Model:**	AE11
Test By:	Robin Gu	**Test mode:**	PC mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120V/60Hz		

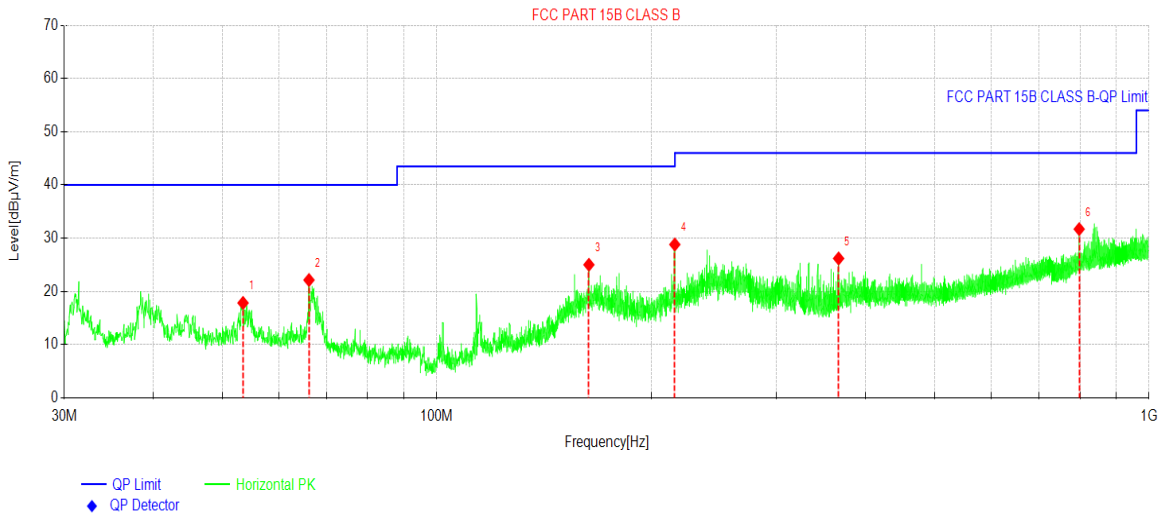


Suspected Data List								
NO.	Freq. [MHz]	Reading[dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	66.4738	37.91	-15.99	21.92	40.00	18.08	PK	Vertical
2	147.0364	39.16	-14.02	25.14	43.50	18.36	PK	Vertical
3	171.4331	42.28	-14.31	27.97	43.50	15.53	PK	Vertical
4	249.1825	40.04	-15.51	24.53	46.00	21.47	PK	Vertical
5	366.6068	37.43	-11.99	25.44	46.00	20.56	PK	Vertical
6	705.3963	33.97	-3.49	30.48	46.00	15.52	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Mobile Phone	**Product Model:**	AE11
Test By:	Robin Gu	**Test mode:**	PC mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Horizontal
Test Voltage:	AC 120V/60Hz		



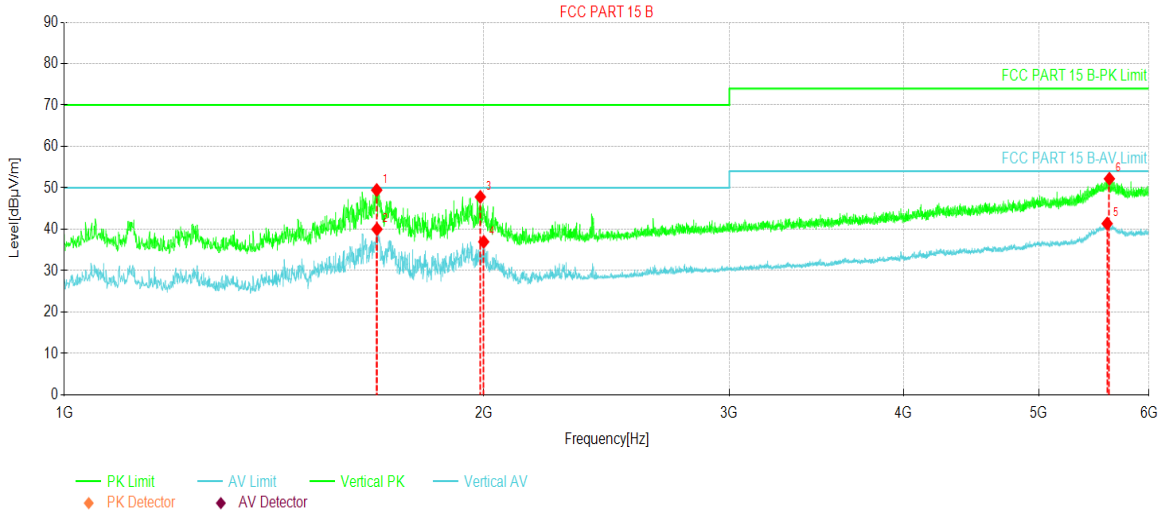
Suspected Data List								
NO.	Freq. [MHz]	Reading[dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	53.4752	31.98	-14.14	17.84	40.00	22.16	PK	Horizontal
2	66.1828	38.06	-15.92	22.14	40.00	17.86	PK	Horizontal
3	163.5757	38.57	-13.56	25.01	43.50	18.49	PK	Horizontal
4	215.9583	45.35	-16.54	28.81	43.50	14.69	PK	Horizontal
5	366.6068	38.18	-11.99	26.19	46.00	19.81	PK	Horizontal
6	797.9874	32.93	-1.23	31.70	46.00	14.30	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Above 1GHz:

Product Name:	Mobile Phone	**Product Model:**	AE11
Test By:	Robin Gu	**Test mode:**	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	**Polarization:**	Vertical
Test Voltage:	AC 120V/60Hz		

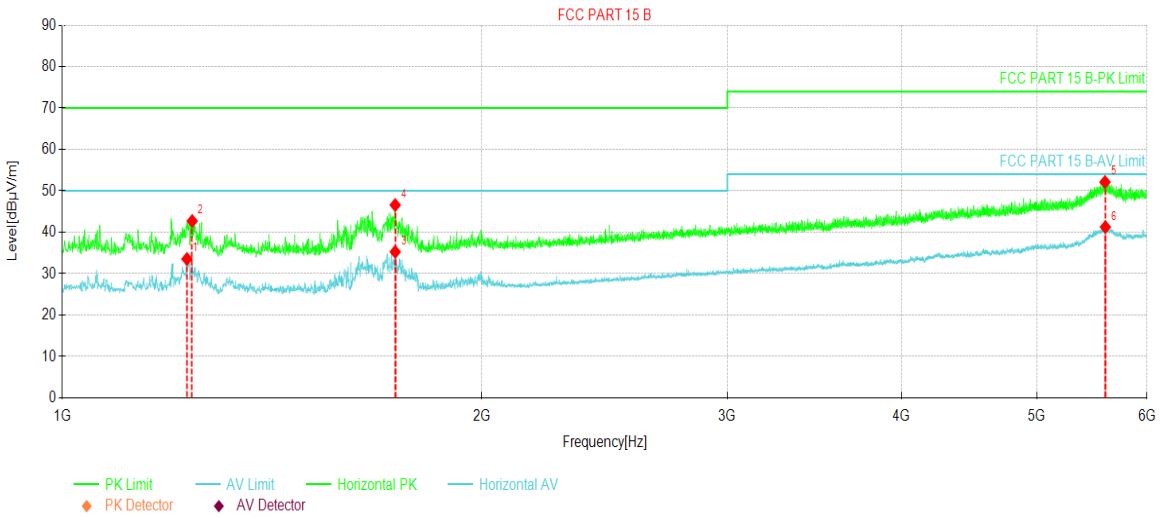


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1675.7095	72.04	49.47	-22.57	70.00	20.53	PK	Vertical
2	1676.3345	62.58	40.01	-22.57	50.00	9.99	AV	Vertical
3	1988.2485	68.64	47.82	-20.82	70.00	22.18	PK	Vertical
4	1999.4999	57.70	36.97	-20.73	50.00	13.03	AV	Vertical
5	5599.3249	45.73	41.37	-4.36	54.00	12.63	AV	Vertical
6	5619.9525	56.73	52.19	-4.54	74.00	21.81	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Mobile Phone	**Product Model:**	AE11
Test By:	Robin Gu	**Test mode:**	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	**Polarization:**	Horizontal
Test Voltage:	AC 120V/60Hz		



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1228.7786	56.74	33.55	-23.19	50.00	16.45	AV	Horizontal
2	1239.4049	65.86	42.71	-23.15	70.00	27.29	PK	Horizontal
3	1733.2167	57.69	35.28	-22.41	50.00	14.72	AV	Horizontal
4	1733.2167	68.99	46.58	-22.41	70.00	23.42	PK	Horizontal
5	5598.0748	56.50	52.12	-4.38	74.00	21.88	PK	Horizontal
6	5601.2002	45.62	41.26	-4.36	54.00	12.74	AV	Horizontal

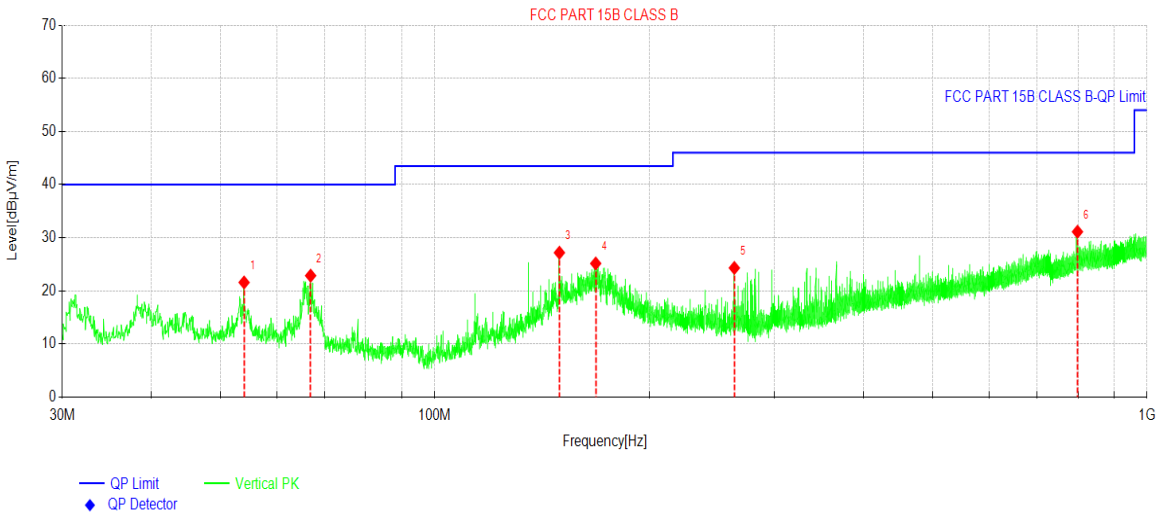
Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Flip mode:

Below 1GHz:

Product Name:	Mobile Phone	**Product Model:**	AE11
Test By:	Robin Gu	**Test mode:**	PC mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120V/60Hz		

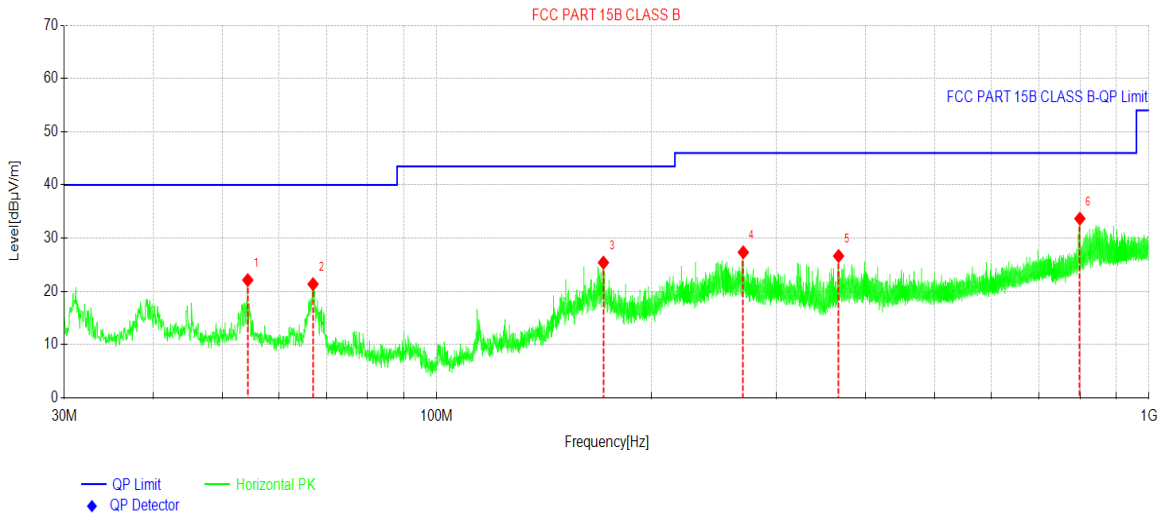


Suspected Data List								
NO.	Freq. [MHz]	Reading[dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	54.0087	35.71	-14.13	21.58	40.00	18.42	PK	Vertical
2	66.9588	38.96	-16.10	22.86	40.00	17.14	PK	Vertical
3	149.6555	40.78	-13.59	27.19	43.50	16.31	PK	Vertical
4	168.2804	39.11	-13.96	25.15	43.50	18.35	PK	Vertical
5	263.4422	39.29	-14.98	24.31	46.00	21.69	PK	Vertical
6	798.7634	32.34	-1.22	31.12	46.00	14.88	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Mobile Phone	**Product Model:**	AE11
Test By:	Robin Gu	**Test mode:**	PC mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Horizontal
Test Voltage:	AC 120V/60Hz		



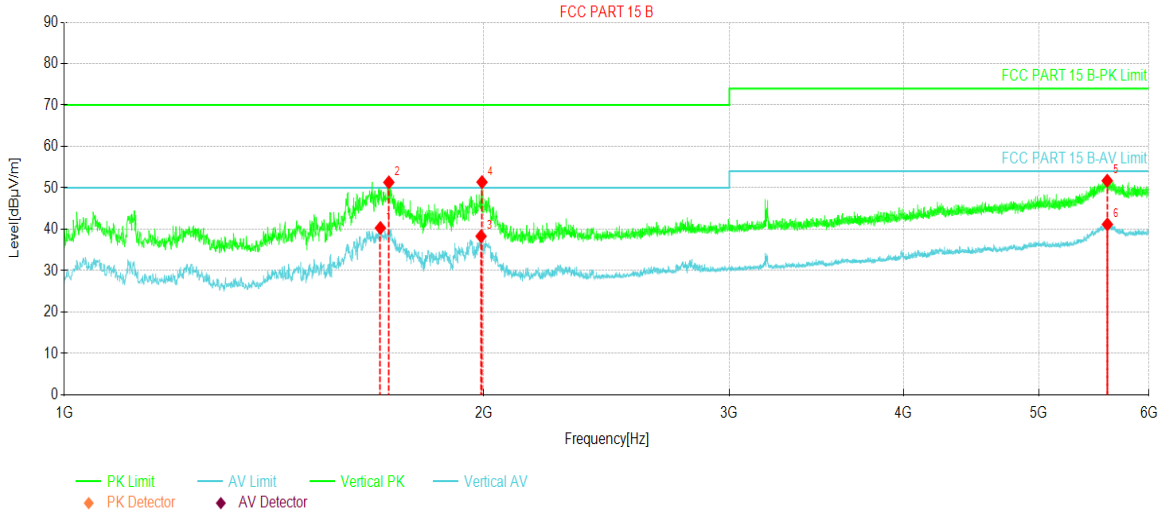
Suspected Data List								
NO.	Freq. [MHz]	Reading[dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	54.2997	36.26	-14.13	22.13	40.00	17.87	PK	Horizontal
2	67.0559	37.50	-16.13	21.37	40.00	18.63	PK	Horizontal
3	171.4331	39.72	-14.31	25.41	43.50	18.09	PK	Horizontal
4	269.4080	42.11	-14.76	27.35	46.00	18.65	PK	Horizontal
5	366.6068	38.64	-11.99	26.65	46.00	19.35	PK	Horizontal
6	799.7820	34.87	-1.20	33.67	46.00	12.33	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Above 1GHz:

Product Name:	Mobile Phone	**Product Model:**	AE11
Test By:	Robin Gu	**Test mode:**	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	**Polarization:**	Vertical
Test Voltage:	AC 120V/60Hz		

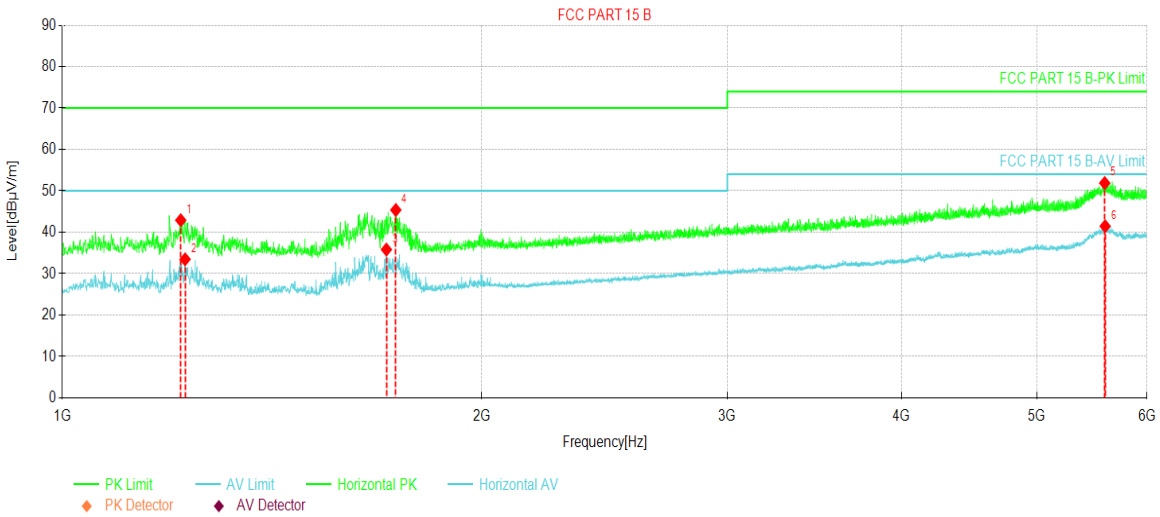


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1685.7107	62.86	40.31	-22.55	50.00	9.69	AV	Vertical
2	1709.4637	73.81	51.33	-22.48	70.00	18.67	PK	Vertical
3	1990.7488	59.11	38.31	-20.80	50.00	11.69	AV	Vertical
4	1993.8742	72.17	51.39	-20.78	70.00	18.61	PK	Vertical
5	5599.9500	56.08	51.73	-4.35	74.00	22.27	PK	Vertical
6	5601.8252	45.55	41.18	-4.37	54.00	12.82	AV	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

Product Name:	Mobile Phone	**Product Model:**	AE11
Test By:	Robin Gu	**Test mode:**	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	**Polarization:**	Horizontal
Test Voltage:	AC 120V/60Hz		



Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1216.2770	66.14	42.91	-23.23	70.00	27.09	PK	Horizontal
2	1225.0281	56.67	33.47	-23.20	50.00	16.53	AV	Horizontal
3	1708.2135	58.31	35.83	-22.48	50.00	14.17	AV	Horizontal
4	1735.0919	67.78	45.38	-22.40	70.00	24.62	PK	Horizontal
5	5594.9494	56.33	51.89	-4.44	74.00	22.11	PK	Horizontal
6	5599.3249	45.83	41.47	-4.36	54.00	12.53	AV	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Preamplifier Factor).

------End of report------