

FCC EMC Test Report

Report No.: JYTSZ-R01-2300161
Applicant: Sun Cupid Technology (HK) Ltd.
Address of Applicant: 16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong.

Equipment Under Test (EUT)

Product Name: Mobile phone
Model No.: A1+, A1, 4080P
Trade Mark: NUU

FCC ID: 2ADINNUUA1P2

Applicable Standards: FCC CFR Title 47 Part 15B

Date of Sample Receipt: 24 Apr., 2023
Date of Test: 25 Apr., to 28 Dec., 2023
Date of report Issued: 30 Dec., 2023

Test Result: PASS

Project by:	<u>June Li</u> Project Engineer	Date:	<u>30 Dec., 2023</u>
Reviewed by:	<u>Peta Chang</u> Senior Engineer	Date:	<u>30 Dec., 2023</u>
Approved by:	<u>Janet Wei</u> Manager	Date:	<u>30 Dec., 2023</u>

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.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

1 Version

Version No.	Date	Description
00	30 Dec., 2023	Original

2 Contents

Page

Cover Page	1
1 Version	2
2 Contents.....	3
3 General Information.....	4
3.1 Client Information	4
3.2 General Description of E.U.T.	4
3.3 Test Mode	4
3.4 Description of Test Auxiliary Equipment	5
3.5 Description of Cable Used.....	5
3.6 Measurement Uncertainty	5
3.7 Additions to, Deviations, or Exclusions from the Method.....	5
3.8 Laboratory Facility	5
3.9 Laboratory Location.....	5
3.10 Test Instruments List	6
4 Measurement Setup and Procedure	7
4.1 Test Setup	7
4.2 Test Procedure	9
5 Test Results.....	10
5.1 Summary	10
5.1.1 Clause and data summary	10
5.1.2 Test Limit.....	10
5.2 Conducted Emission	11
5.3 Radiated Emission	17

3 General Information

3.1 Client Information

Applicant:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong.
Manufacturer:	Sun Cupid Technology (HK) Ltd.
Address:	16/F, CEO Tower, 77 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong.
Factory	Suncupid (ShenZhen) Electronic Ltd
Address:	Baolong Industrial City, Longgang District, Shenzhen Hi-Tech Road, Building 1, A 7, China.

3.2 General Description of E.U.T.

Product Name:	Mobile phone																										
Model No.:	A1+, A1, 4080P																										
Power Supply:	Rechargeable Li-ion Battery DC3.7V, 1250mAh																										
AC Adapter:	Model: HJ-0501000E1-US Input: AC100-240V, 50/60Hz, 0.2A Output: DC 5V, 1A																										
Test Sample Condition:	The test samples were provided in good working order with no visible defects.																										
Remark:	<p>Model No.: A1+, A1, 4080P are exactly the same internally, the circuit design, layout, components used and internal wiring are the same, but the model name is different, each model There are three types of internal memory chips and operating memory chips. The difference between them lies in the different manufacturers.</p> <table border="1" data-bbox="512 1160 1390 1379"> <thead> <tr> <th></th> <th>Technical specifications</th> <th>Manufacturer name</th> <th>product name</th> </tr> </thead> <tbody> <tr> <td rowspan="3">U401</td> <td>EMMC IpDDR3 8Gb 178B NCLD3B2256M32-V01M</td> <td>FORESEE</td> <td>NCLD3B2256M32</td> </tr> <tr> <td>IpDDR3 8Gb 178B MD3B2008G-M0</td> <td>ISOCOM</td> <td>MD3B2008G-M0</td> </tr> <tr> <td>LPDDR3 8Gb 178B RS256M32LD3D1LMZ-125BT</td> <td>RAYSON</td> <td>RS256M32LD3D1LMZ-125BT</td> </tr> <tr> <td rowspan="3">U402</td> <td>eMMC 8GB SDINBDG4-8G</td> <td>SANDISK</td> <td>SDINBDG4-8G</td> </tr> <tr> <td>eMMC 153B 8GB MEMDNN008G</td> <td>ISOCOM</td> <td>MEMDNN008G</td> </tr> <tr> <td>EMMC 153B 8GB FEMDNN008G-08A39</td> <td>FORESEE</td> <td>FEMDNN008G-08A39</td> </tr> </tbody> </table>				Technical specifications	Manufacturer name	product name	U401	EMMC IpDDR3 8Gb 178B NCLD3B2256M32-V01M	FORESEE	NCLD3B2256M32	IpDDR3 8Gb 178B MD3B2008G-M0	ISOCOM	MD3B2008G-M0	LPDDR3 8Gb 178B RS256M32LD3D1LMZ-125BT	RAYSON	RS256M32LD3D1LMZ-125BT	U402	eMMC 8GB SDINBDG4-8G	SANDISK	SDINBDG4-8G	eMMC 153B 8GB MEMDNN008G	ISOCOM	MEMDNN008G	EMMC 153B 8GB FEMDNN008G-08A39	FORESEE	FEMDNN008G-08A39
	Technical specifications	Manufacturer name	product name																								
U401	EMMC IpDDR3 8Gb 178B NCLD3B2256M32-V01M	FORESEE	NCLD3B2256M32																								
	IpDDR3 8Gb 178B MD3B2008G-M0	ISOCOM	MD3B2008G-M0																								
	LPDDR3 8Gb 178B RS256M32LD3D1LMZ-125BT	RAYSON	RS256M32LD3D1LMZ-125BT																								
U402	eMMC 8GB SDINBDG4-8G	SANDISK	SDINBDG4-8G																								
	eMMC 153B 8GB MEMDNN008G	ISOCOM	MEMDNN008G																								
	EMMC 153B 8GB FEMDNN008G-08A39	FORESEE	FEMDNN008G-08A39																								

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 ~ 10MHz)	1.9 dB
Conducted Emission for LISN (10MHz ~ 30MHz)	2.6 dB
Radiated Emission (30MHz ~ 1GHz) (3m SAC)	3.8 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	3.6 dB
Radiated Emission (30MHz ~ 1GHz) (10m SAC)	3.7 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	04-13-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	02-09-2023	02-08-2024
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	02-09-2023	02-08-2024
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	01-10-2023	01-09-2024
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXJ001-3	01-10-2023	01-09-2024
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	01-11-2023	01-10-2024
Spectrum Analyzer	Rohde & Schwarz	FSP 30	WXJ004	01-10-2023	01-09-2024
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-18-2023	01-17-2024
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	01-18-2023	01-17-2024
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Radiated Emission(10m SAC):					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
10m SAC	ETS	RFSD-100-F/A	WXJ090	04-28-2021	04-27-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-1	01-17-2023	01-16-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	WXJ090-2	01-10-2023	01-09-2024
EMI Test Receiver	R&S	ESR 3	WXJ090-3	01-10-2023	01-09-2024
EMI Test Receiver	R&S	ESR 3	WXJ090-4	01-11-2023	01-09-2024
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-6	01-10-2023	01-09-2024
Low Pre-amplifier	Bost	LNA 0920N	WXJ090-7	01-10-2023	01-09-2024
Cable	Bost	JYT10M-1G-NN-10M	WXG002-7	01-18-2023	01-17-2024
Cable	Bost	JYT10M-1G-NN-10M	WXG002-8	01-18-2023	01-17-2024
Test Software	R&S	EMC32	Version: 10.50.40		

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	07-12-2022	07-11-2023
				07-03-2023	07-04-2024
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	01-10-2023	01-09-2024
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	01-11-2023	01-10-2024
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-18-2023	01-17-2024
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

4 Measurement Setup and Procedure

4.1 Test Setup

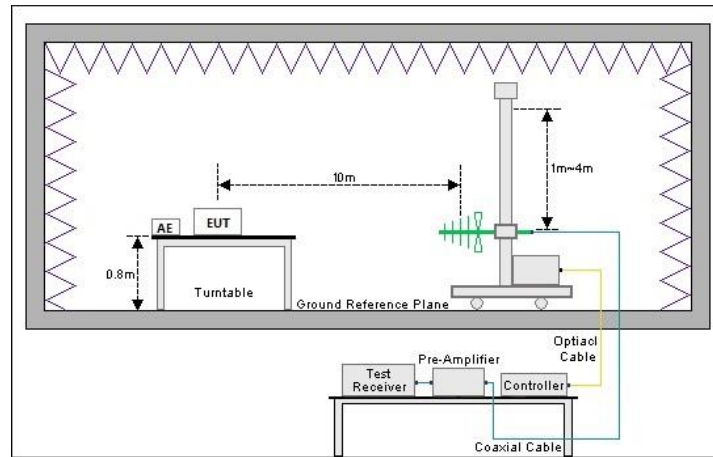
1) Conducted emission measurement:

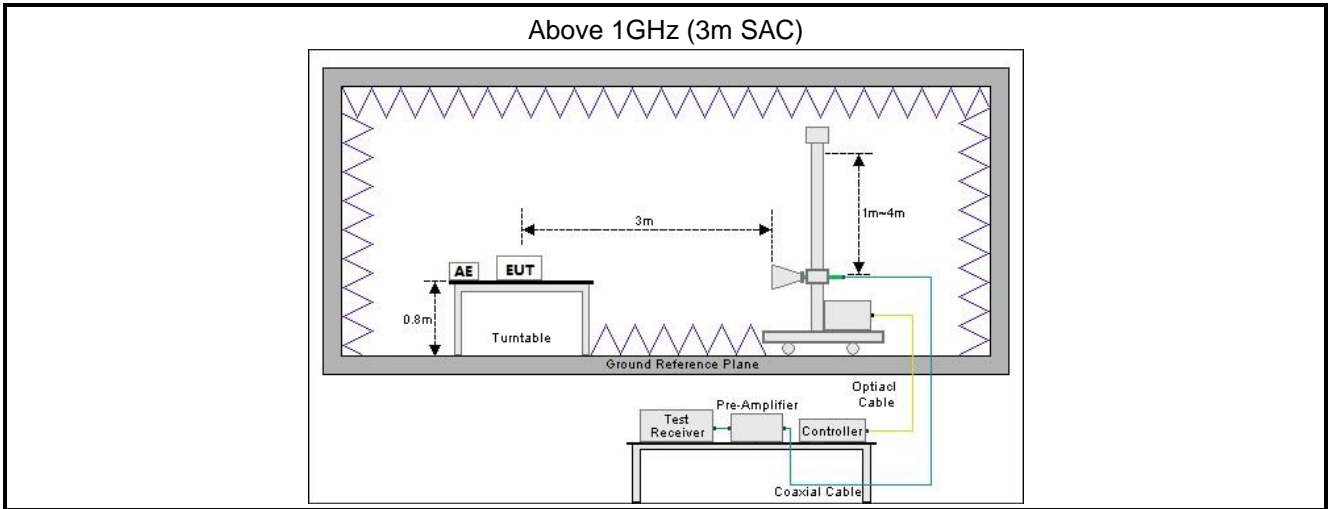


Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

Below 1GHz (10m SAC)





4.2 Test Procedure

Test method	Test step
Conducted emission	<ol style="list-style-type: none"> 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	<p>For below 1GHz:</p> <ol style="list-style-type: none"> 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 10 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 10 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. <p>For above 1GHz:</p> <ol style="list-style-type: none"> 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

This report was amended on FCC ID: 2ADINNUUA1P2 follow FCC Class II Permissive Change. The original report: CCISE200709805, issued by Shenzhen Zhongjian Nanfang Testing Co., Ltd. The differences between them as below: Replace battery and USB line, so need to retest EMC.

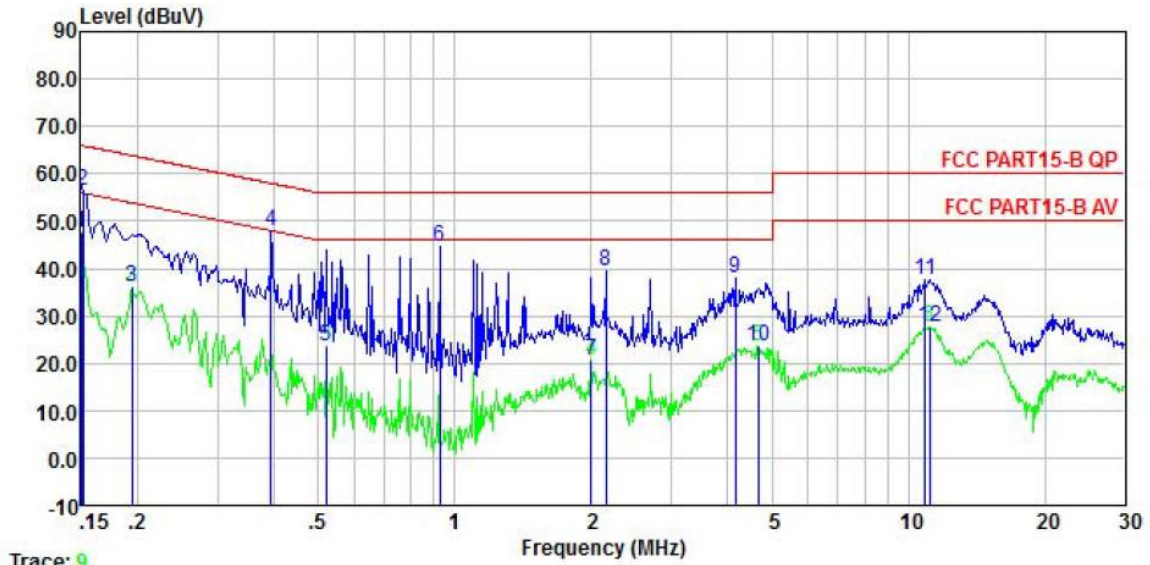
Test items	Standard clause	Test data	Result
Conducted Emission	Part 15.107	See Section 5.2	Pass
Radiated Emission	Part 15.109	See Section 5.3	Pass
Remark:			
1. The EUT is a Class B digital device.			
2. Pass: The EUT complies with the essential requirements in the standard.			
3. N/A: Not Applicable.			
Test Method:	ANSI C63.4:2014		

5.1.2 Test Limit

Test items	Limit					
Conducted Emission	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 <small>Note 1</small>	56 to 46 <small>Note 1</small>	
	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.						
Radiated Emission	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

Product name:	Mobile phone	Product model:	A1+
Test by:	Asher	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



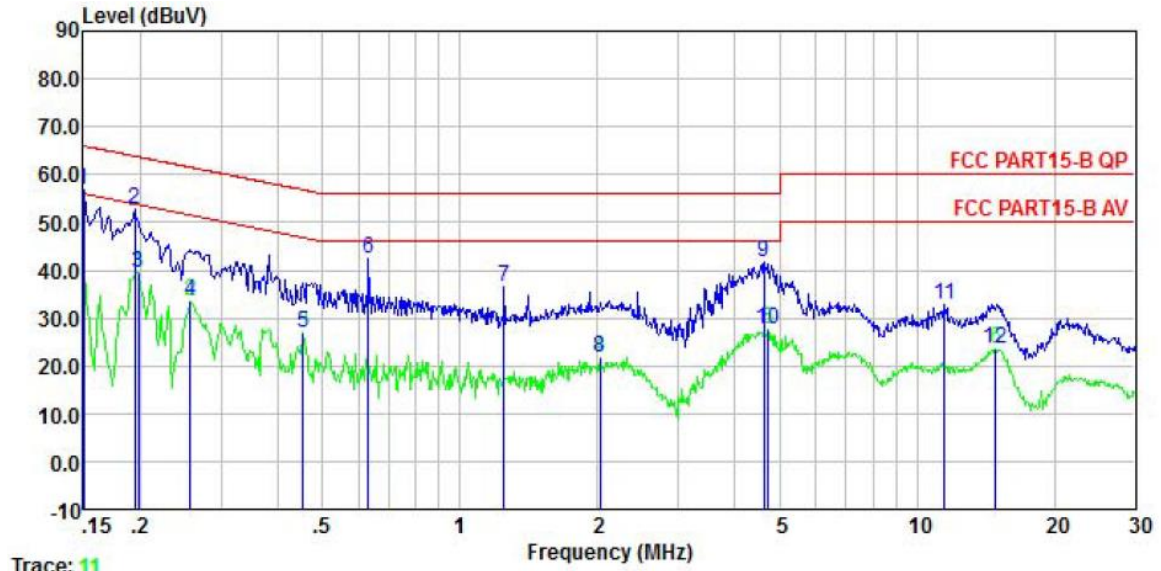
Trace: 9

	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.150	37.70	0.00	9.88	0.01	47.59	56.00	-8.41	Average
2	0.152	46.69	0.00	9.88	0.01	56.58	65.91	-9.33	QP
3	0.194	26.09	0.00	9.88	0.03	36.00	53.84	-17.84	Average
4	0.393	37.97	0.00	9.88	0.04	47.89	57.99	-10.10	QP
5	0.521	13.54	0.00	9.88	0.03	23.45	46.00	-22.55	Average
6	0.928	34.74	0.00	9.88	0.04	44.66	56.00	-11.34	QP
7	2.001	10.48	0.00	9.88	0.21	20.57	46.00	-25.43	Average
8	2.155	29.49	0.00	9.88	0.18	39.55	56.00	-16.45	QP
9	4.158	28.01	0.00	9.89	0.08	37.98	56.00	-18.02	QP
10	4.672	13.75	0.00	9.89	0.09	23.73	46.00	-22.27	Average
11	10.905	27.51	0.00	9.91	0.12	37.54	60.00	-22.46	QP
12	11.139	17.71	0.00	9.92	0.11	27.74	50.00	-22.26	Average

Remark:

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

Product name:	Mobile phone	Product model:	A1+
Test by:	Asher	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		

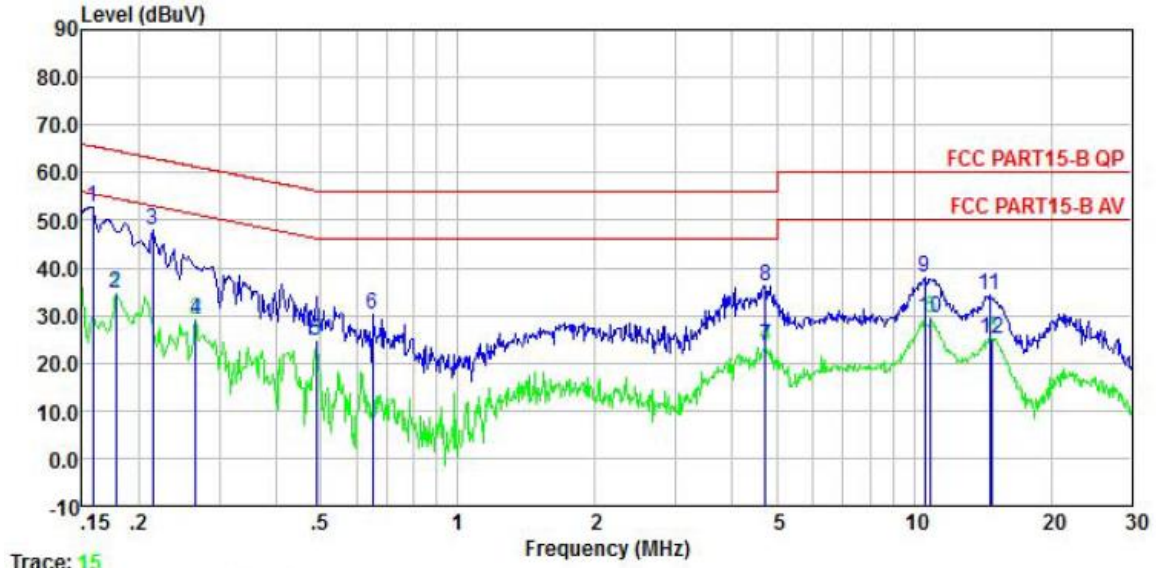


	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.150	46.78	0.20	9.88	0.01	56.87	66.00	-9.13	QP
2	0.194	42.51	0.20	9.88	0.03	52.62	63.84	-11.22	QP
3	0.198	29.51	0.20	9.88	0.04	39.63	53.71	-14.08	Average
4	0.258	23.39	0.20	9.88	0.01	33.48	51.51	-18.03	Average
5	0.454	16.70	0.20	9.88	0.03	26.81	46.80	-19.99	Average
6	0.630	32.14	0.20	9.88	0.02	42.24	56.00	-13.76	QP
7	1.249	26.44	0.23	9.88	0.10	36.65	56.00	-19.35	QP
8	2.023	11.45	0.30	9.88	0.20	21.83	46.00	-24.17	Average
9	4.622	31.22	0.30	9.89	0.09	41.50	56.00	-14.50	QP
10	4.721	17.37	0.30	9.89	0.09	27.65	46.00	-18.35	Average
11	11.498	22.50	0.40	9.92	0.11	32.93	60.00	-27.07	QP
12	14.828	12.97	0.40	9.93	0.14	23.44	50.00	-26.56	Average

Remark:

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

Product name:	Mobile phone	Product model:	A1
Test by:	Asher	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



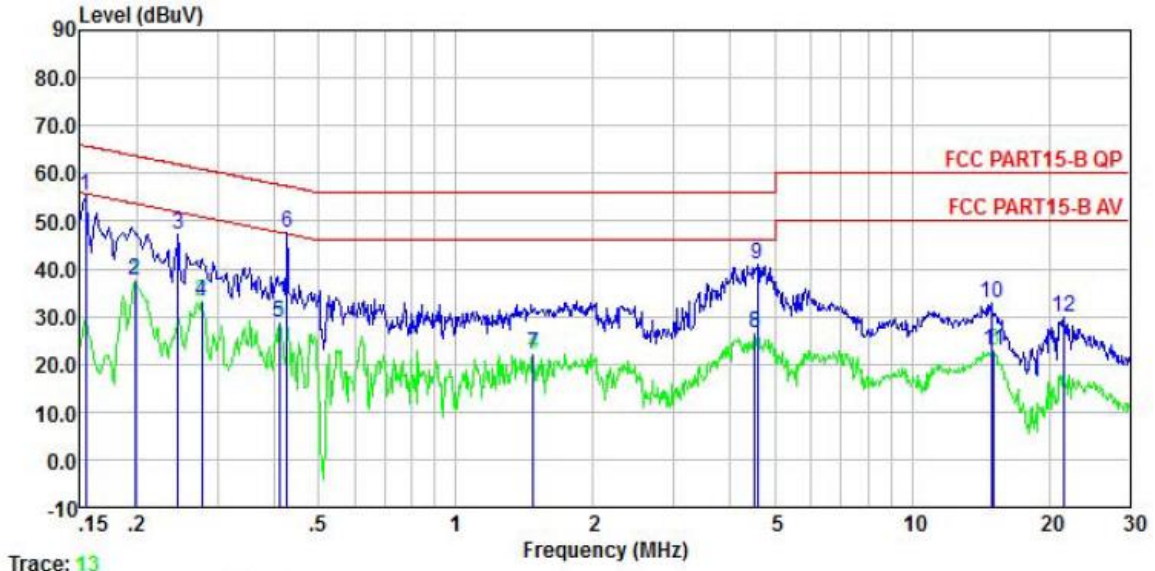
Trace: 15

	Read Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	42.63	0.20	9.88	0.01	52.72	65.56	-12.84	QP
2	0.178	24.60	0.20	9.88	0.01	34.69	54.59	-19.90	Average
3	0.214	37.75	0.20	9.88	0.03	47.86	63.05	-15.19	QP
4	0.266	18.97	0.20	9.88	0.02	29.07	51.25	-22.18	Average
5	0.489	14.42	0.20	9.88	0.03	24.53	46.19	-21.66	Average
6	0.651	20.12	0.20	9.88	0.03	30.23	56.00	-25.77	QP
7	4.721	13.34	0.20	9.89	0.09	23.52	46.00	-22.48	Average
8	4.721	26.12	0.20	9.89	0.09	36.30	56.00	-19.70	QP
9	10.564	27.89	0.20	9.91	0.12	38.12	60.00	-21.88	QP
10	10.905	19.26	0.20	9.91	0.12	29.49	50.00	-20.51	Average
11	14.672	24.12	0.20	9.93	0.13	34.38	60.00	-25.62	QP
12	14.828	14.93	0.20	9.93	0.14	25.20	50.00	-24.80	Average

Remark:

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

Product name:	Mobile phone	Product model:	A1
Test by:	Asher	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



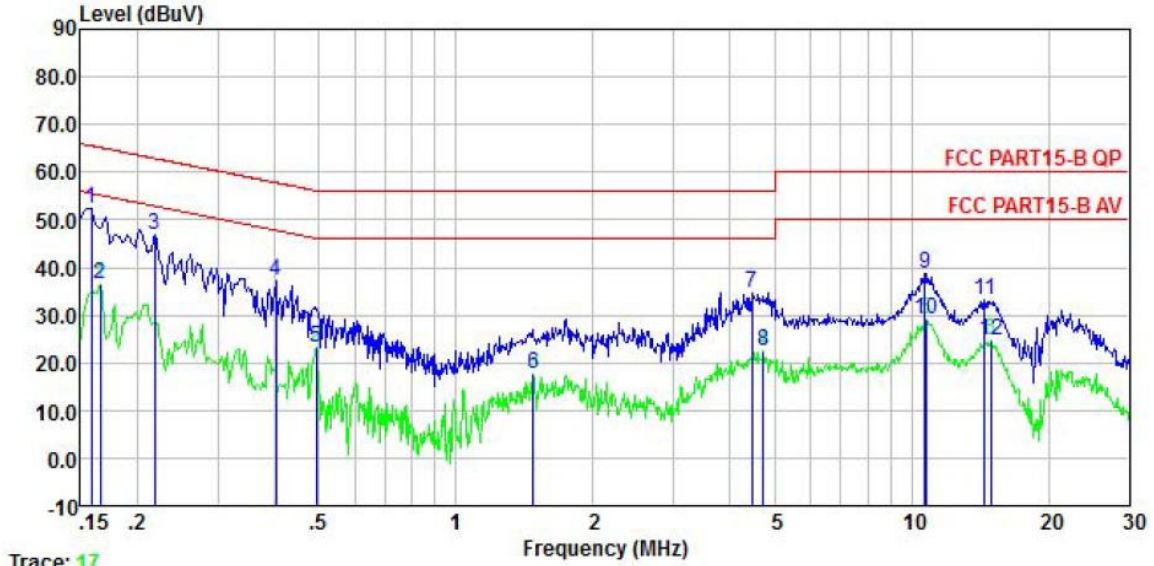
Trace: 13

	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.154	45.22	0.20	9.88	0.01	55.31	65.78	-10.47	QP
2	0.198	27.50	0.20	9.88	0.04	37.62	53.71	-16.09	Average
3	0.246	37.10	0.20	9.88	0.01	47.19	61.91	-14.72	QP
4	0.277	23.03	0.20	9.88	0.02	33.13	50.90	-17.77	Average
5	0.410	18.46	0.20	9.88	0.04	28.58	47.64	-19.06	Average
6	0.426	37.51	0.20	9.88	0.03	47.62	57.33	-9.71	QP
7	1.480	11.86	0.26	9.88	0.14	22.14	46.00	-23.86	Average
8	4.525	16.43	0.30	9.89	0.09	26.71	46.00	-19.29	Average
9	4.574	30.80	0.30	9.89	0.09	41.08	56.00	-14.92	QP
10	14.907	22.40	0.40	9.93	0.14	32.87	60.00	-27.13	QP
11	15.146	12.22	0.40	9.93	0.14	22.69	50.00	-27.31	Average
12	21.600	19.39	0.38	9.98	0.16	29.91	60.00	-30.09	QP

Remark:

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

Product name:	Mobile phone	Product model:	4080P
Test by:	Asher	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		



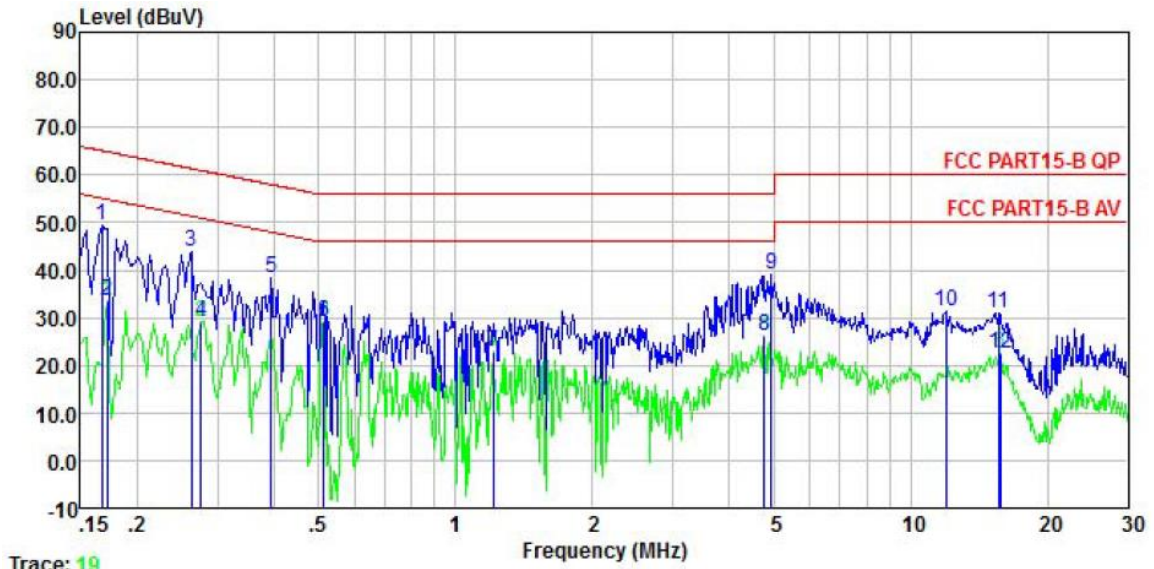
Trace: 17

	Read Freq	Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	42.24	0.20	9.88	0.01	52.33	65.56	-13.23	QP
2	0.166	26.39	0.20	9.88	0.01	36.48	55.16	-18.68	Average
3	0.219	36.68	0.20	9.88	0.03	46.79	62.88	-16.09	QP
4	0.402	27.03	0.20	9.88	0.04	37.15	57.81	-20.66	QP
5	0.494	12.93	0.20	9.88	0.03	23.04	46.10	-23.06	Average
6	1.480	7.46	0.20	9.88	0.14	17.68	46.00	-28.32	Average
7	4.454	24.64	0.20	9.89	0.08	34.81	56.00	-21.19	QP
8	4.721	12.19	0.20	9.89	0.09	22.37	46.00	-23.63	Average
9	10.676	28.46	0.20	9.91	0.12	38.69	60.00	-21.31	QP
10	10.733	18.73	0.20	9.91	0.12	28.96	50.00	-21.04	Average
11	14.440	22.73	0.20	9.93	0.13	32.99	60.00	-27.01	QP
12	14.907	14.44	0.20	9.93	0.14	24.71	50.00	-25.29	Average

Remark:

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

Product name:	Mobile phone	Product model:	4080P
Test by:	Asher	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



Trace: 19

	Read Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.167	39.21	0.20	9.88	0.01	49.30	65.12	-15.82	QP
2	0.171	23.53	0.20	9.88	0.01	33.62	54.90	-21.28	Average
3	0.263	33.75	0.20	9.88	0.02	43.85	61.34	-17.49	QP
4	0.276	19.12	0.20	9.88	0.02	29.22	50.94	-21.72	Average
5	0.393	28.06	0.20	9.88	0.04	38.18	57.99	-19.81	QP
6	0.513	19.06	0.20	9.88	0.03	29.17	46.00	-16.83	Average
7	1.210	12.69	0.23	9.88	0.09	22.89	46.00	-23.11	Average
8	4.772	16.01	0.30	9.89	0.09	26.29	46.00	-19.71	Average
9	4.952	28.74	0.30	9.89	0.09	39.02	56.00	-16.98	QP
10	11.933	20.98	0.40	9.92	0.10	31.40	60.00	-28.60	QP
11	15.635	20.37	0.40	9.93	0.15	30.85	60.00	-29.15	QP
12	15.718	11.81	0.40	9.93	0.15	22.29	50.00	-27.71	Average

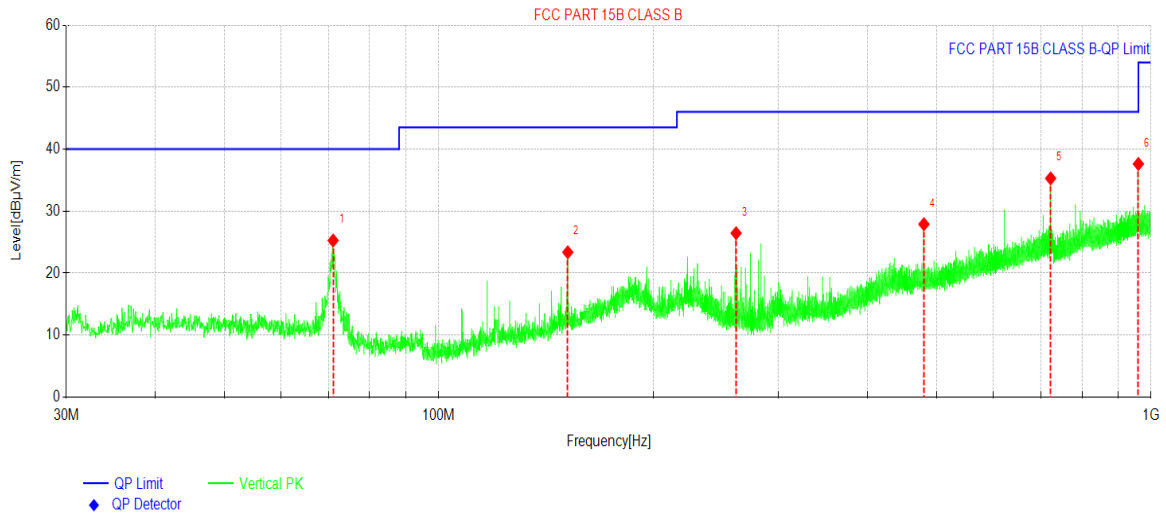
Remark:

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

5.3 Radiated Emission

Below 1GHz:

Product Name:	Mobile phone	Product Model:	A1+
Test By:	Robin	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz		

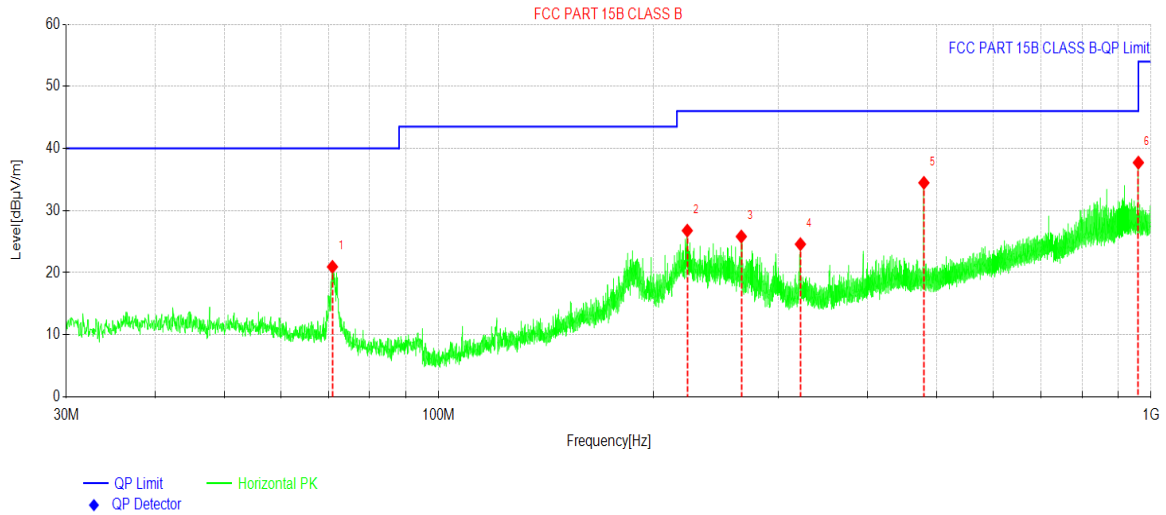


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	71.0816	42.19	-16.92	25.27	40.00	14.73	PK	Vertical
2	151.7896	37.04	-13.67	23.37	43.50	20.13	PK	Vertical
3	261.5506	41.50	-15.05	26.45	46.00	19.55	PK	Vertical
4	479.9570	36.34	-8.45	27.89	46.00	18.11	PK	Vertical
5	722.9056	38.44	-3.15	35.29	46.00	10.71	PK	Vertical
6	960.0340	36.56	1.06	37.62	54.00	16.38	PK	Vertical

Remark:

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

Product Name:	Mobile phone	Product Model:	A1+
Test By:	Robin	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz		

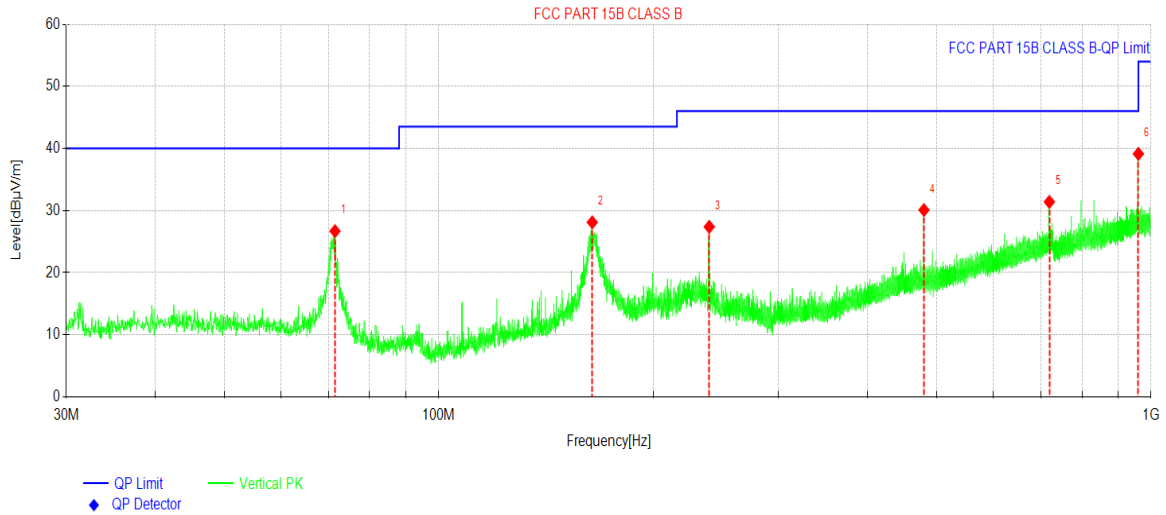


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	70.9360	37.85	-16.91	20.94	40.00	19.06	PK	Horizontal
2	223.3792	43.12	-16.35	26.77	46.00	19.23	PK	Horizontal
3	266.0128	40.71	-14.89	25.82	46.00	20.18	PK	Horizontal
4	321.9846	37.68	-13.09	24.59	46.00	21.41	PK	Horizontal
5	479.9570	42.92	-8.45	34.47	46.00	11.53	PK	Horizontal
6	960.0340	36.66	1.06	37.72	54.00	16.28	PK	Horizontal

Remark:

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

Product Name:	Mobile phone	Product Model:	A1
Test By:	Robin	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz		

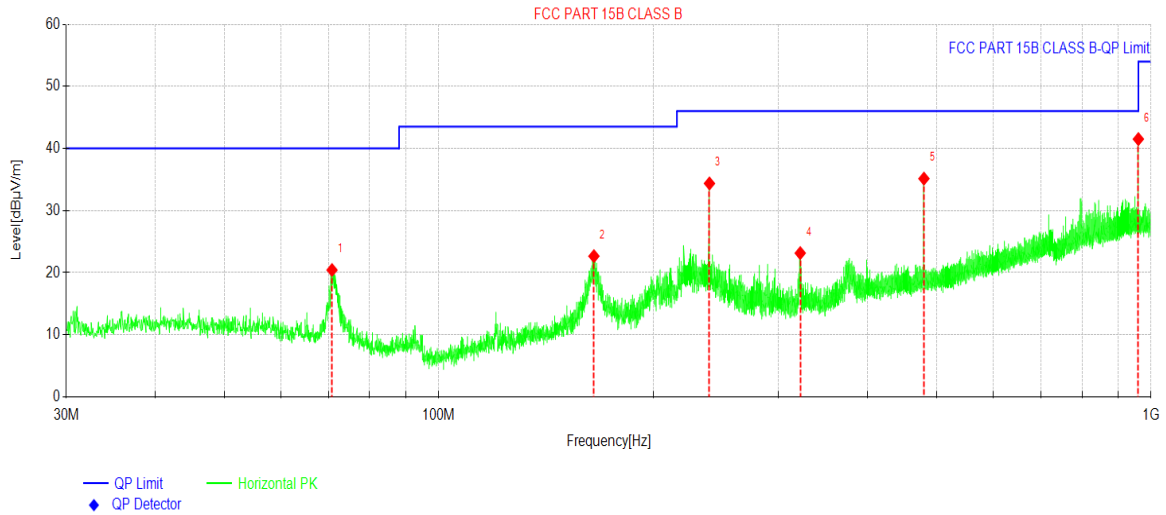


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBμV/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Trace	Polarity
1	71.5181	43.64	-16.95	26.69	40.00	13.31	PK	Vertical
2	164.3032	41.64	-13.53	28.11	43.50	15.39	PK	Vertical
3	239.7730	43.15	-15.77	27.38	46.00	18.62	PK	Vertical
4	480.0055	38.54	-8.45	30.09	46.00	15.91	PK	Vertical
5	719.9470	34.58	-3.18	31.40	46.00	14.60	PK	Vertical
6	960.0340	38.07	1.06	39.13	54.00	14.87	PK	Vertical

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor).

Product Name:	Mobile phone	Product Model:	A1
Test By:	Robin	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz		

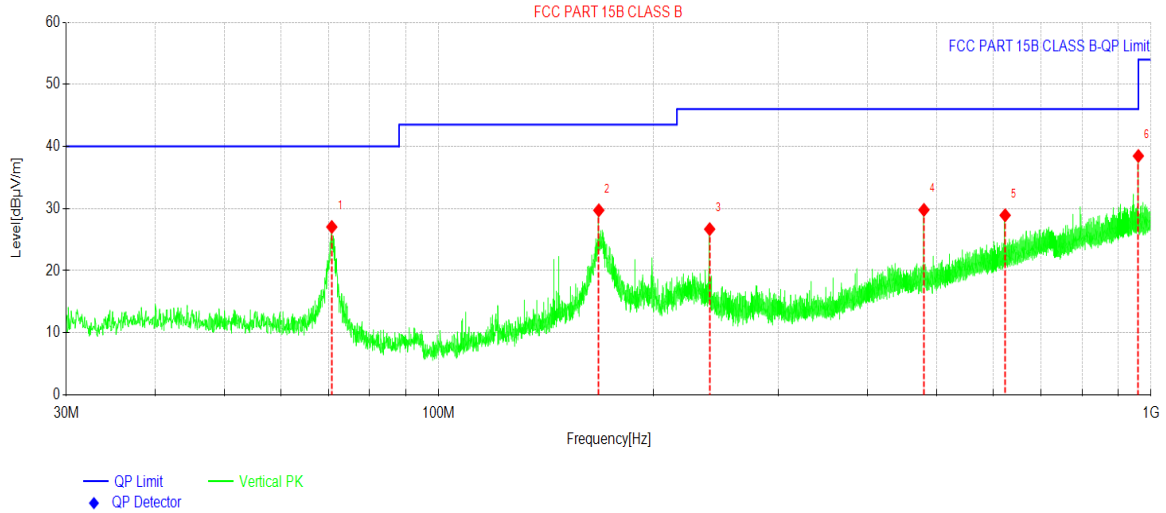


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	70.8390	37.33	-16.90	20.43	40.00	19.57	PK	Horizontal
2	165.1763	36.19	-13.53	22.66	43.50	20.84	PK	Horizontal
3	239.9670	50.13	-15.76	34.37	46.00	11.63	PK	Horizontal
4	321.7906	36.24	-13.09	23.15	46.00	22.85	PK	Horizontal
5	480.0055	43.59	-8.45	35.14	46.00	10.86	PK	Horizontal
6	959.9855	40.45	1.06	41.51	46.00	4.49	PK	Horizontal

Remark:

1. Level = Reading + Factor(Antenna Factor + Cable Loss – Pre-amplifier Factor).

Product Name:	Mobile phone	Product Model:	4080P
Test By:	Robin	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz		

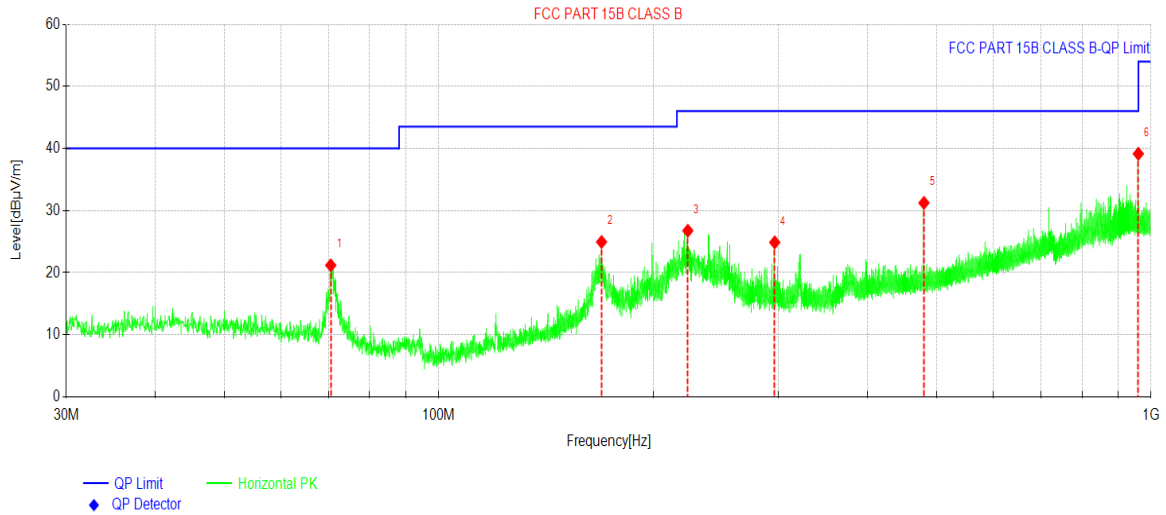


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	70.7905	43.94	-16.90	27.04	40.00	12.96	PK	Vertical
2	167.7954	43.61	-13.89	29.72	43.50	13.78	PK	Vertical
3	240.1125	42.45	-15.76	26.69	46.00	19.31	PK	Vertical
4	480.0055	38.24	-8.45	29.79	46.00	16.21	PK	Vertical
5	624.0092	34.21	-5.29	28.92	46.00	17.08	PK	Vertical
6	960.0340	37.41	1.06	38.47	54.00	15.53	PK	Vertical

Remark:

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

Product Name:	Mobile phone	Product Model:	4080P
Test By:	Robin	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz		



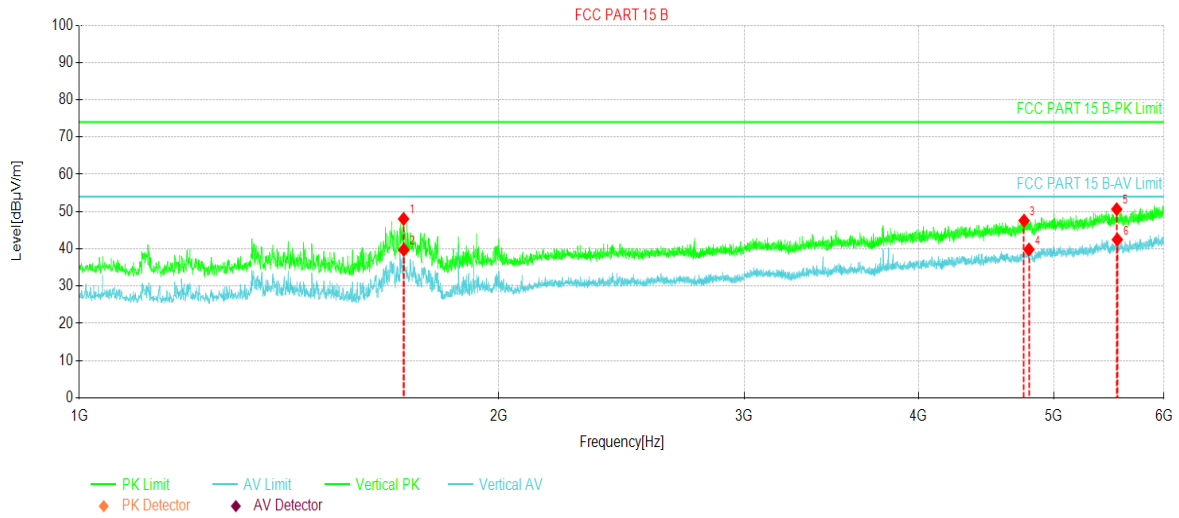
Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	70.5480	38.07	-16.88	21.19	40.00	18.81	PK	Horizontal
2	169.2990	39.05	-14.10	24.95	43.50	18.55	PK	Horizontal
3	223.7672	43.10	-16.34	26.76	46.00	19.24	PK	Horizontal
4	296.3268	38.34	-13.46	24.88	46.00	21.12	PK	Horizontal
5	480.0055	39.69	-8.45	31.24	46.00	14.76	PK	Horizontal
6	960.0340	38.08	1.06	39.14	54.00	14.86	PK	Horizontal

Remark:

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

Above 1GHz:

Product Name:	Mobile phone	Product Model:	A1+
Test By:	Robin	Test mode:	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz		

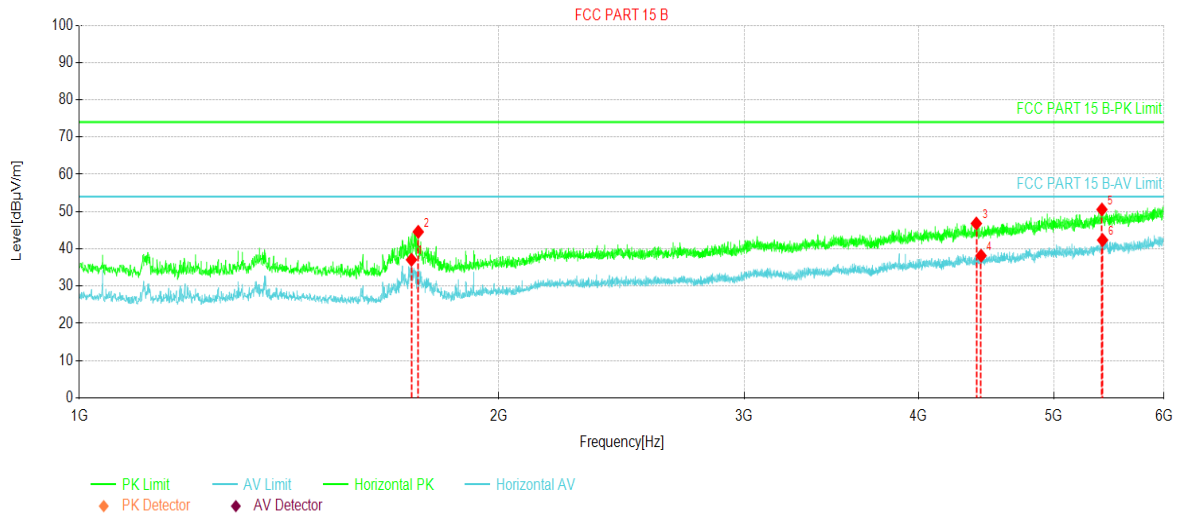


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1708.75	70.24	48.03	-22.21	74.00	25.97	PK	Vertical
2	1709.37	61.95	39.74	-22.21	54.00	14.26	AV	Vertical
3	4761.87	56.79	47.57	-9.22	74.00	26.43	PK	Vertical
4	4800.00	49.02	39.82	-9.20	54.00	14.18	AV	Vertical
5	5549.37	57.03	50.64	-6.39	74.00	23.36	PK	Vertical
6	5555.00	48.88	42.48	-6.40	54.00	11.52	AV	Vertical

Remark:

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

Product Name:	Mobile phone	Product Model:	A1+
Test By:	Robin	Test mode:	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz		

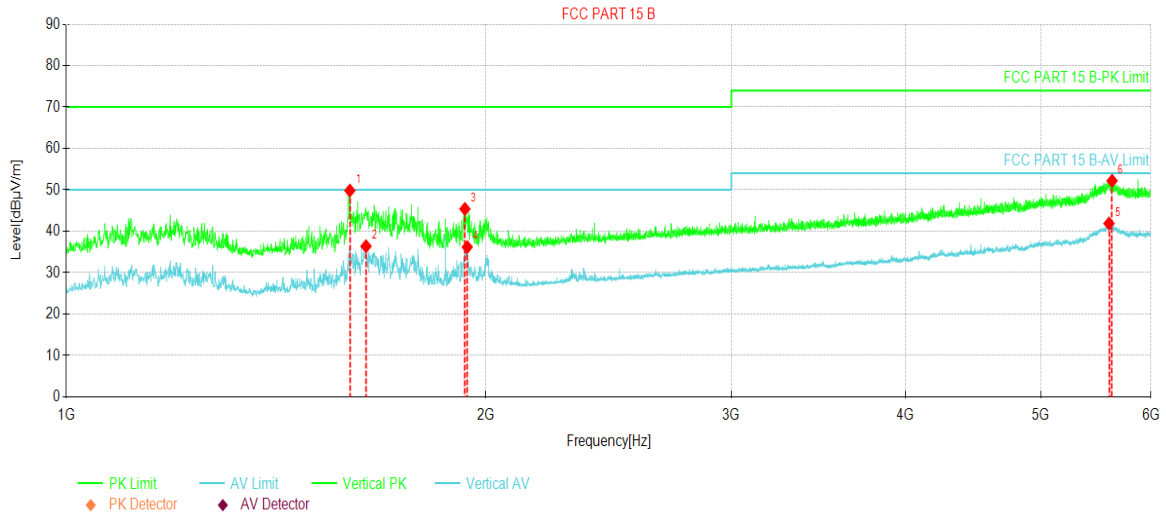


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1731.25	59.15	37.06	-22.09	54.00	16.94	AV	Horizontal
2	1750.62	66.54	44.56	-21.98	74.00	29.44	PK	Horizontal
3	4401.25	58.00	46.80	-11.20	74.00	27.20	PK	Horizontal
4	4435.62	49.29	38.16	-11.13	54.00	15.84	AV	Horizontal
5	5415.62	57.08	50.56	-6.52	74.00	23.44	PK	Horizontal
6	5421.25	48.87	42.35	-6.52	54.00	11.65	AV	Horizontal

Remark:

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

Product Name:	Mobile phone	Product Model:	A1
Test By:	Robin	Test mode:	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz		

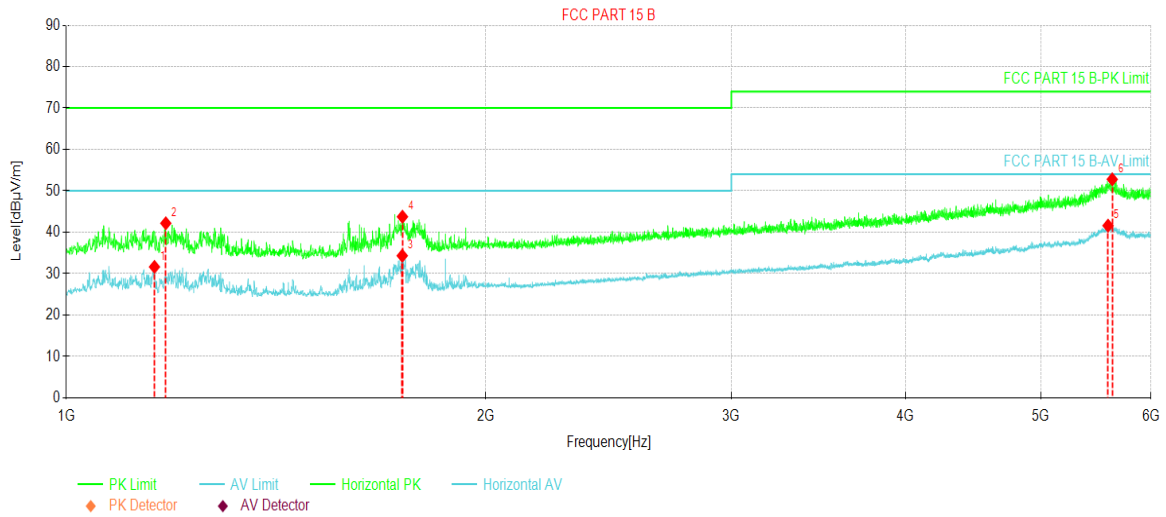


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1597.57	72.62	49.83	-22.79	70.00	20.17	PK	Vertical
2	1640.70	59.05	36.38	-22.67	50.00	13.62	AV	Vertical
3	1931.99	66.63	45.39	-21.24	70.00	24.61	PK	Vertical
4	1939.49	57.36	36.18	-21.18	50.00	13.82	AV	Vertical
5	5598.07	46.26	41.88	-4.38	54.00	12.12	AV	Vertical
6	5626.82	56.79	52.19	-4.60	74.00	21.81	PK	Vertical

Remark:

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

Product Name:	Mobile phone	Product Model:	A1
Test By:	Robin	Test mode:	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz		

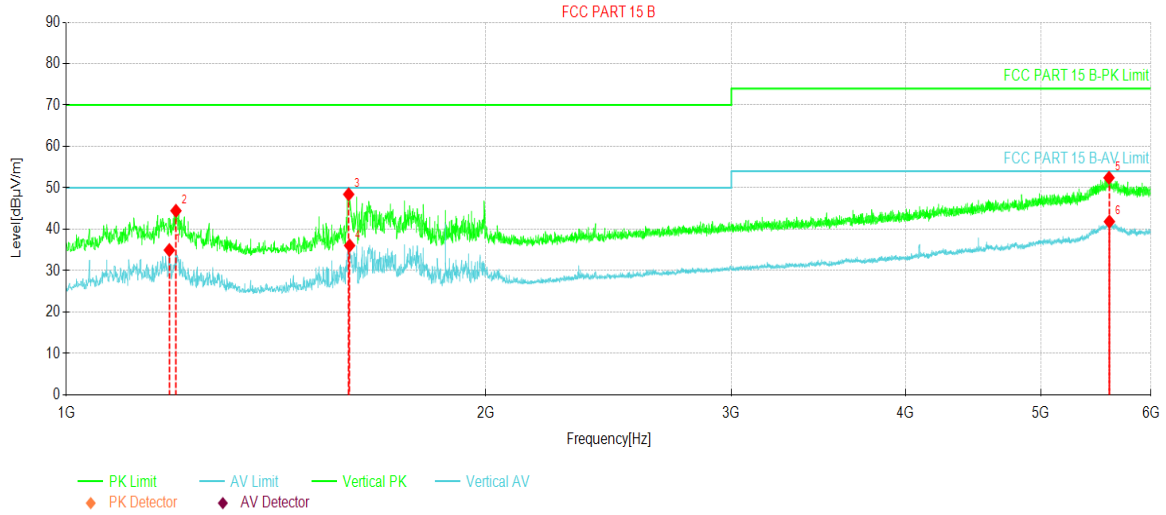


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1156.89	54.69	31.64	-23.05	50.00	18.36	AV	Horizontal
2	1178.77	65.33	42.17	-23.16	70.00	27.83	PK	Horizontal
3	1741.96	56.73	34.34	-22.39	50.00	15.66	AV	Horizontal
4	1742.59	66.13	43.75	-22.38	70.00	26.25	PK	Horizontal
5	5589.32	46.14	41.60	-4.54	54.00	12.40	AV	Horizontal
6	5628.07	57.40	52.79	-4.61	74.00	21.21	PK	Horizontal

Remark:

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

Product Name:	Mobile phone	Product Model:	4080P
Test By:	Robin	Test mode:	PC mode
Test Frequency:	1000 MHz ~ 6000 MHz	Polarization:	Vertical
Test Voltage:	AC 120V/60Hz		

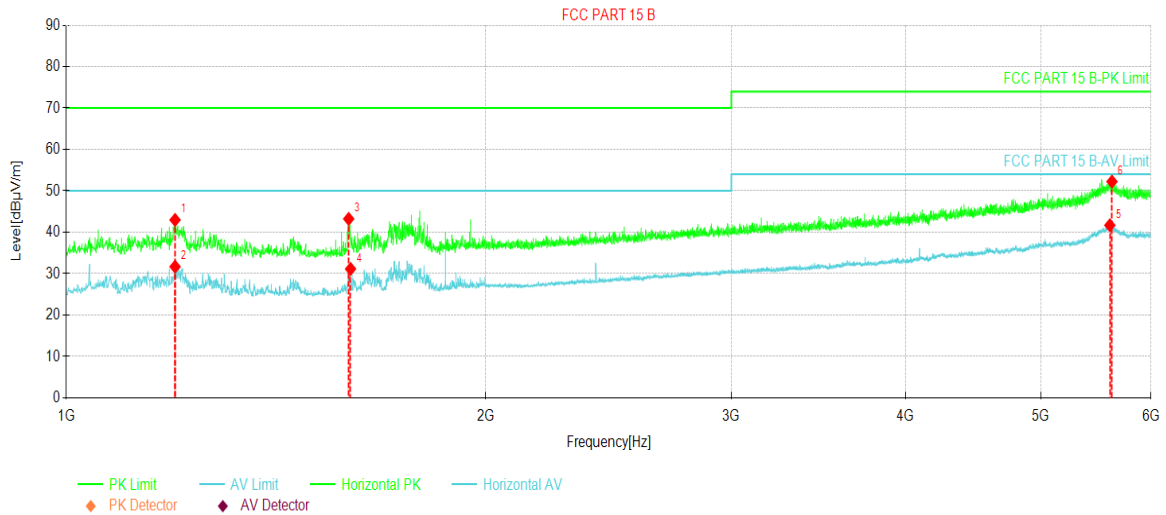


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	1185.64	58.17	34.97	-23.20	50.00	15.03	AV	Vertical
2	1198.77	67.73	44.46	-23.27	70.00	25.54	PK	Vertical
3	1594.44	71.23	48.44	-22.79	70.00	21.56	PK	Vertical
4	1596.94	58.86	36.07	-22.79	50.00	13.93	AV	Vertical
5	5598.07	56.81	52.43	-4.38	74.00	21.57	PK	Vertical
6	5601.82	46.22	41.85	-4.37	54.00	12.15	AV	Vertical

Remark:

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

Product Name:	Mobile phone	Product Model:	4080P
Test By:	Robin	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	1196.89	66.25	42.99	-23.26	70.00	27.01	PK	Horizontal
2	1196.89	54.94	31.68	-23.26	50.00	18.32	AV	Horizontal
3	1594.44	66.02	43.23	-22.79	70.00	26.77	PK	Horizontal
4	1599.44	53.94	31.15	-22.79	50.00	18.85	AV	Horizontal
5	5605.57	46.09	41.69	-4.40	54.00	12.31	AV	Horizontal
6	5625.57	56.83	52.24	-4.59	74.00	21.76	PK	Horizontal

Remark:

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

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