

FCC RF Test Report

(WPT)

Report No.: JYTSZ-R12-2301784
Applicant: INFINIX MOBILITY 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.: X6851
Trade Mark: Infinix
FCC ID: 2AIZN-X6851
Applicable Standards: FCC CFR Title 47 Part 15C (§15.209)
Date of Sample Receipt: 15 Dec., 2023
Date of Test: 16 Dec., 2023 to Feb 29., 2024
Date of Report Issue: 01 Mar., 2024
Test Result: PASS

Tested by: _____

Date: _____

01 Mar., 2024

Reviewed by: _____

Date: _____

01 Mar., 2024

Approved by: _____

Date: _____

01 Mar., 2024

Manager



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	01 Mar., 2024	Original

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3 General Information

3.1 Client Information

Applicant:	INFINIX MOBILITY LIMITED
Address:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Manufacturer:	INFINIX MOBILITY 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.:	X6851
Operation Frequency:	125KHz
Modulation Type:	ASK
Antenna Type:	Coil Antenna
Power Supply:	Rechargeable Li-ion Polymer Battery DC3.91V, 4900mAh
Power supply (Wireless Charger):	Output: Wireless: 5W
AC Adapter:	Model: U450XSB Input: AC100-240V, 50/60Hz, 1.8A Output: DC 5.0V, 3.0A 15.0W or DC 5.0-10.0V, 4.5A or DC 11.0V, 4.1A 45.0W MAX
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

3.3 Test Mode and Environment

Test Mode:	
Transmitting mode:	Keep the EUT in transmitting mode with modulation
Operating Environment:	
Temperature:	15°C ~ 35°C
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar
Voltage:	Nominal: 3.91 Vdc, Extreme: Low 3.45 Vdc, High 4.50 Vdc
Test Engineer:	Lucas Ding (Conducted measurement) Robin Gu(Radiated measurement)

3.4 Description of Test Auxiliary Equipment

Manufacturer	Description	Model	S/N	FCC ID/DoC
Skytek	Wireless charging match load	N/A	N/A	N/A
Shenzhen HengChangshengding Electronics Co., Ltd.	Adapter	HCSD-12650100	N/A	N/A

3.5 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 (9kHz ~ 30MHz) (3m SAC)	3.3 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.

3.6 Additions to, Deviations, or Exclusions From the Method

No

3.7 Laboratory Facility

<p>The test facility is recognized, certified, or accredited by the following organizations:</p> <ul style="list-style-type: none"> ● 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
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3.8 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>

3.9 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
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	02-09-2023	02-08-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	02-09-2023	02-08-2024
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	01-11-2023	01-10-2024
				12-27-2023	12-26-2024
Coaxial Cable (9kHz ~ 30MHz)	JYT	JYT3M-1G-BB-5M	WXG001-6	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-18-2023	01-17-2024
				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		
EMI Test Software	AUDIX	E3	Version: 6.110919b		

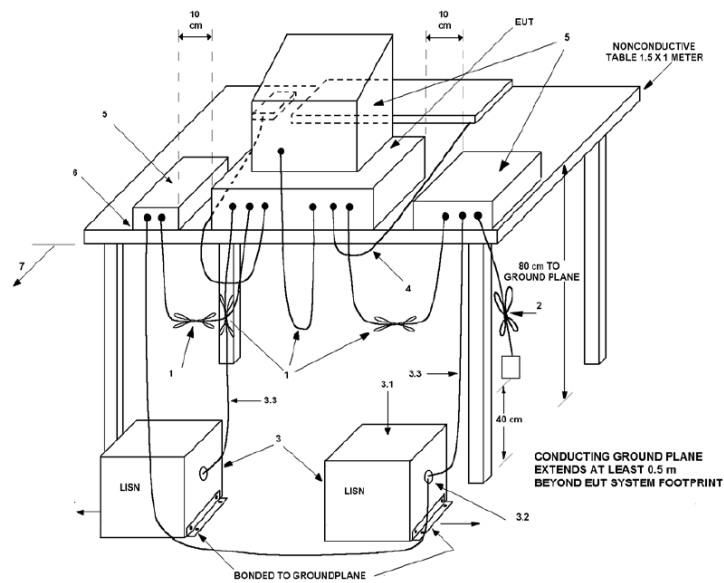
Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	07-05-2023	07-04-2024
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	01-10-2023	01-09-2024
				12-27-2023	12-26-2024
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	01-11-2023	01-10-2024
				12-27-2023	12-26-2024
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	01-18-2023	01-17-2024
				01-17-2024	01-16-2025
RF Switch	TOP PRECISION	RSU0301	WXG003	N/A	
Test Software	AUDIX	E3	Version: 6.110919b		

Conducted Method:					
Test Equipment	Manufacturer	Model No.	Manage No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
Spectrum Analyzer	Keysight	N9020B	WXJ081-1	06-13-2023	06-12-2024

4 Measurement Setup and Procedure

4.1 Test Setup

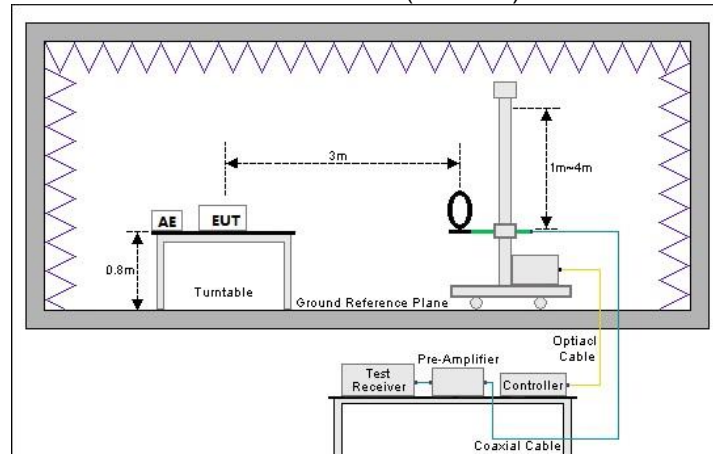
1) Conducted emission measurement:



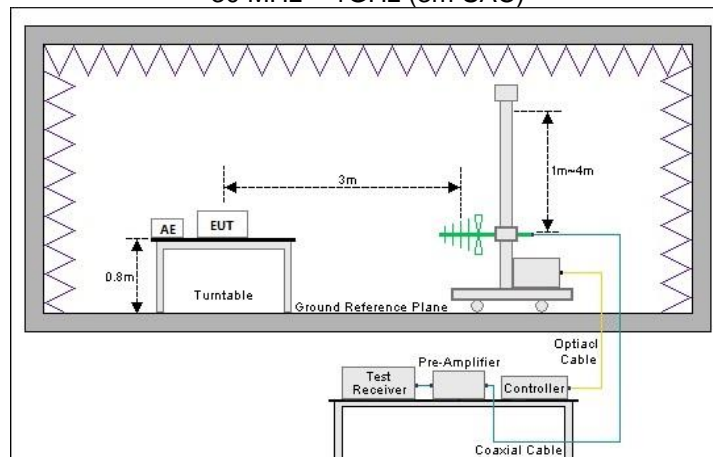
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

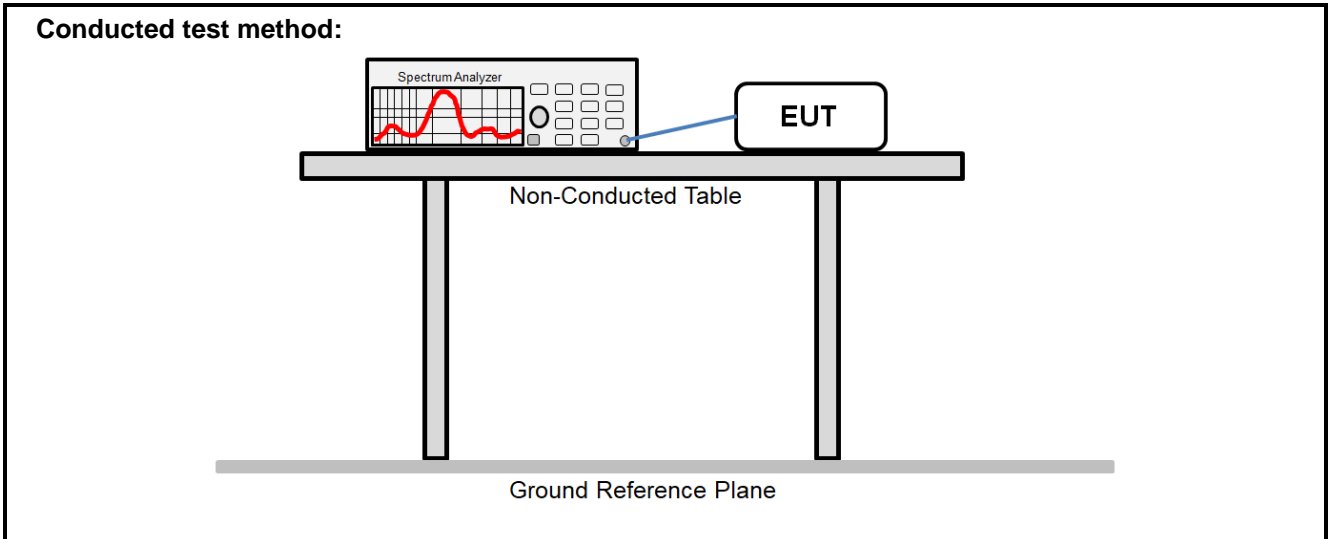
2) Radiated emission measurement:

9kHz ~ 30 MHz (3m SAC)



30 MHz ~ 1GHz (3m 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 C63.10 on conducted measurement.
Radiated emission	<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 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.
Conducted test method	<ol style="list-style-type: none"> 1. The antenna port of EUT was connected to the RF port of the spectrum analyzer through an RF cable. 2. The EUT is keeping in continuous transmission mode and tested in all modulation modes. 3. The test data is saved by the screenshot function of the spectrum analyzer.

5 Test Results

5.1 Summary

5.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203	See Section 5.2	Pass
AC Power Line Conducted Emission	15.207	See Section 5.3	Pass
20dB Bandwidth	15.215(c)	See Section 5.4	Pass
Field Strength of Fundamental	15.209	See Section 5.5	Pass
Field Strength of Spurious Emissions	15.209	See Section 5.6	Pass
Remark:			
1. Pass: The EUT complies with the essential requirements in the standard.			
2. N/A: Not Applicable.			
Test Method:	ANSI C63.4-2014 ANSI C63.10-2013		

5.1.2 Test Limit

Test items	Limit																								
AC Power Line Conducted Emission	<table border="1"> <thead> <tr> <th rowspan="2">Frequency (MHz)</th> <th colspan="2">Limit (dBμV)</th> </tr> <tr> <th>Quasi-Peak</th> <th>Average</th> </tr> </thead> <tbody> <tr> <td>0.15 – 0.5</td> <td>66 to 56 <small>Note 1</small></td> <td>56 to 46 <small>Note 1</small></td> </tr> <tr> <td>0.5 – 5</td> <td>56</td> <td>46</td> </tr> <tr> <td>5 – 30</td> <td>60</td> <td>50</td> </tr> </tbody> </table>	Frequency (MHz)	Limit (dB μ V)		Quasi-Peak	Average	0.15 – 0.5	66 to 56 <small>Note 1</small>	56 to 46 <small>Note 1</small>	0.5 – 5	56	46	5 – 30	60	50										
	Frequency (MHz)		Limit (dB μ V)																						
		Quasi-Peak	Average																						
	0.15 – 0.5	66 to 56 <small>Note 1</small>	56 to 46 <small>Note 1</small>																						
0.5 – 5	56	46																							
5 – 30	60	50																							
Note 1: The limit level in dB μ V decreases linearly with the logarithm of frequency. Note 2: The more stringent limit applies at transition frequencies.																									
20dB Bandwidth	N/A																								
Field Strength of Fundamental Field Strength of Spurious Emissions	<table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>Field strength (microvolts/meter)</th> <th>Measurement distance (meters)</th> </tr> </thead> <tbody> <tr> <td>0.009 – 0.490</td> <td>2400/F(kHz)</td> <td>300</td> </tr> <tr> <td>0.490 – 1.705</td> <td>24000/F(kHz)</td> <td>30</td> </tr> <tr> <td>1.705 – 30.0</td> <td>30</td> <td>30</td> </tr> <tr> <td>30 – 88</td> <td>100**</td> <td>3</td> </tr> <tr> <td>88 – 216</td> <td>150**</td> <td>3</td> </tr> <tr> <td>216 – 960</td> <td>200**</td> <td>3</td> </tr> <tr> <td>Above 960</td> <td>500</td> <td>3</td> </tr> </tbody> </table>	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	0.009 – 0.490	2400/F(kHz)	300	0.490 – 1.705	24000/F(kHz)	30	1.705 – 30.0	30	30	30 – 88	100**	3	88 – 216	150**	3	216 – 960	200**	3	Above 960	500	3
	Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)																						
	0.009 – 0.490	2400/F(kHz)	300																						
	0.490 – 1.705	24000/F(kHz)	30																						
	1.705 – 30.0	30	30																						
	30 – 88	100**	3																						
	88 – 216	150**	3																						
216 – 960	200**	3																							
Above 960	500	3																							
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.																									

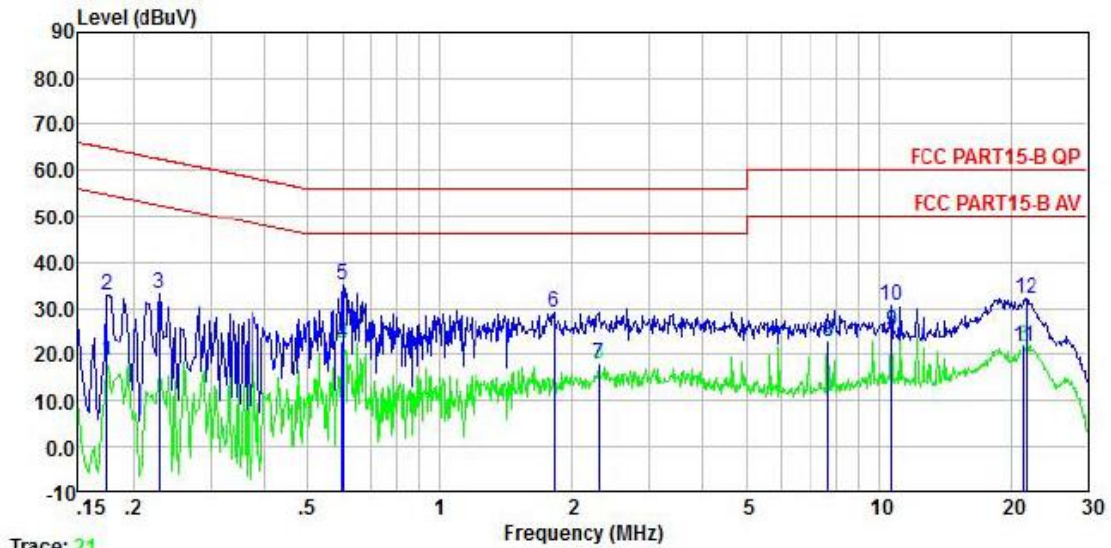
5.2 Antenna Requirement

Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement:	An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.
E.U.T Antenna:	The EUT make use of a coil antenna.

5.3 AC Power Line Conducted Emission

No light effect:

Product name:	Mobile Phone	Product model:	X6851
Test by:	Asher	Test mode:	Charing mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		

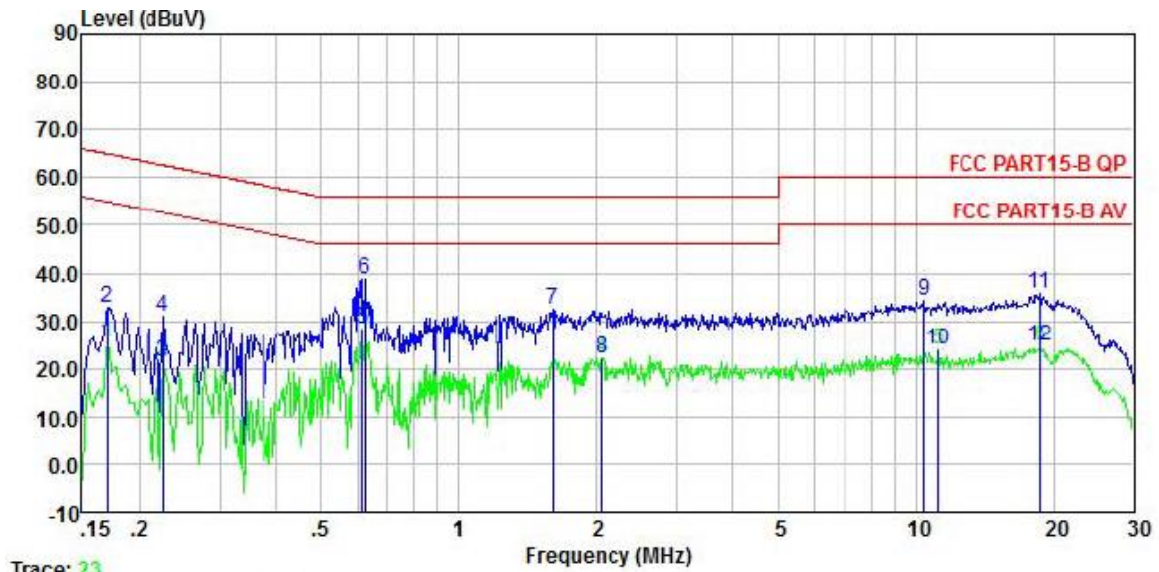


	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Linit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.174	8.50	0.20	9.88	0.01	18.59	54.77	-36.18	Average
2	0.174	22.77	0.20	9.88	0.01	32.86	64.77	-31.91	QP
3	0.230	23.20	0.20	9.88	0.02	33.30	62.44	-29.14	QP
4	0.598	12.40	0.20	9.88	0.02	22.50	46.00	-23.50	Average
5	0.601	24.99	0.20	9.88	0.02	35.09	56.00	-20.91	QP
6	1.819	18.78	0.20	9.88	0.19	29.05	56.00	-26.95	QP
7	2.309	7.47	0.20	9.88	0.16	17.71	46.00	-28.29	Average
8	7.687	12.49	0.20	9.90	0.10	22.69	50.00	-27.31	Average
9	10.676	14.77	0.20	9.91	0.12	25.00	50.00	-25.00	Average
10	10.676	20.52	0.20	9.91	0.12	30.75	60.00	-29.25	QP
11	21.373	11.29	0.30	9.97	0.17	21.73	60.00	-28.27	Average
12	21.715	21.78	0.30	9.98	0.16	32.22	60.00	-27.78	QP

Remark:

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

Product name:	Mobile Phone	Product model:	X6851
Test by:	Asher	Test mode:	Charing mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



Trace: 23

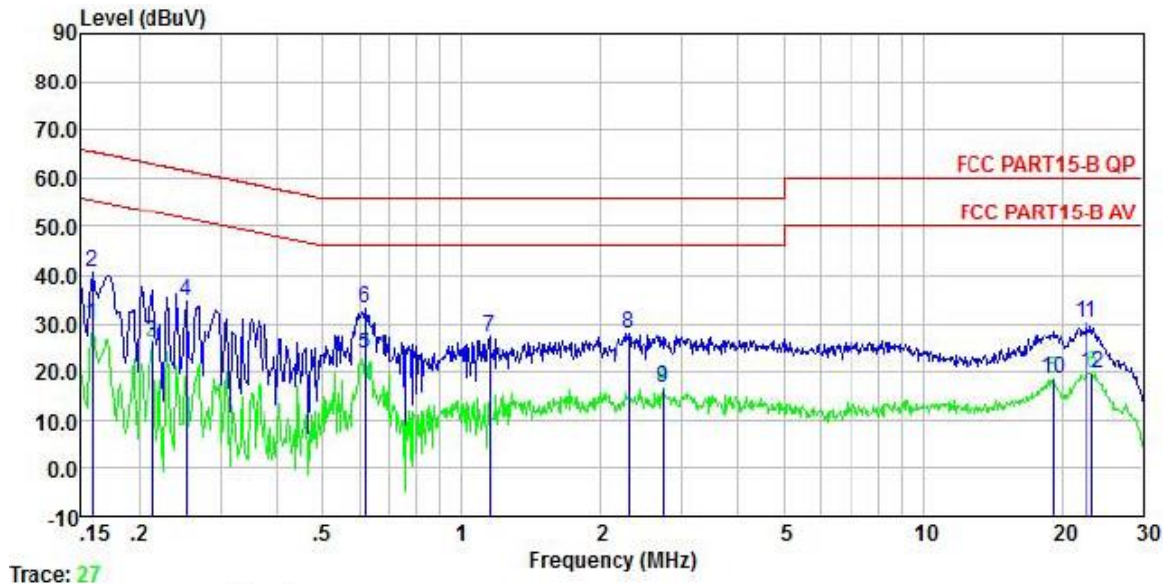
	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Linit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.170	15.49	0.20	9.88	0.01	25.58	54.94	-29.36	Average
2	0.170	22.82	0.20	9.88	0.01	32.91	64.94	-32.03	QP
3	0.226	11.36	0.20	9.88	0.02	21.46	52.61	-31.15	Average
4	0.226	21.00	0.20	9.88	0.02	31.10	62.61	-31.51	QP
5	0.614	18.11	0.20	9.88	0.02	28.21	46.00	-17.79	Average
6	0.621	28.74	0.20	9.88	0.02	38.84	56.00	-17.16	QP
7	1.610	22.19	0.27	9.88	0.16	32.50	56.00	-23.50	QP
8	2.055	11.89	0.30	9.88	0.20	22.27	46.00	-23.73	Average
9	10.397	23.84	0.40	9.91	0.12	34.27	60.00	-25.73	QP
10	11.198	13.63	0.40	9.92	0.11	24.06	50.00	-25.94	Average
11	18.622	25.09	0.40	9.95	0.15	35.59	60.00	-24.41	QP
12	18.721	14.15	0.40	9.95	0.15	24.65	50.00	-25.35	Average

Remark:

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

light effect:

Product name:	Mobile Phone	Product model:	X6851
Test by:	Asher	Test mode:	Charing mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz		

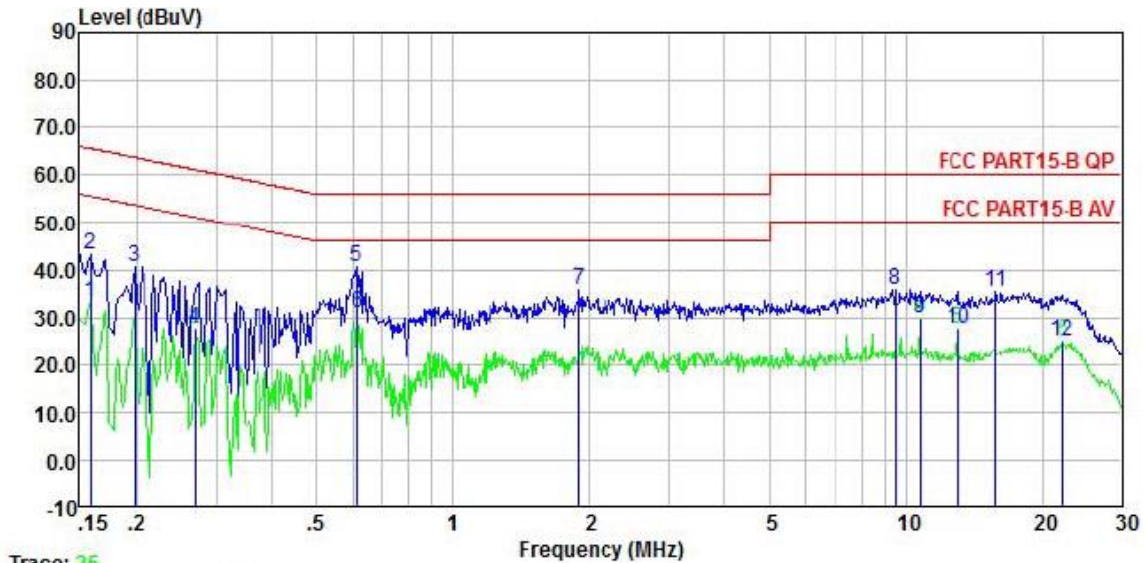


	Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Linit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	19.92	0.20	9.88	0.01	30.01	55.56	-25.55	Average
2	0.158	30.42	0.20	9.88	0.01	40.51	65.56	-25.05	QP
3	0.214	15.89	0.20	9.88	0.03	26.00	53.05	-27.05	Average
4	0.253	24.50	0.20	9.88	0.01	34.59	61.64	-27.05	QP
5	0.617	13.61	0.20	9.88	0.02	23.71	46.00	-22.29	Average
6	0.617	22.96	0.20	9.88	0.02	33.06	56.00	-22.94	QP
7	1.147	17.06	0.20	9.88	0.08	27.22	56.00	-28.78	QP
8	2.309	17.72	0.20	9.88	0.16	27.96	56.00	-28.04	QP
9	2.736	6.38	0.20	9.88	0.10	16.56	46.00	-29.44	Average
10	19.122	8.02	0.28	9.95	0.15	18.40	50.00	-31.60	Average
11	22.655	19.82	0.30	9.98	0.16	30.26	60.00	-29.74	QP
12	23.387	9.17	0.30	9.99	0.17	19.63	50.00	-30.37	Average

Remark:

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

Product name:	Mobile Phone	Product model:	X6851
Test by:	Asher	Test mode:	Charing mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



Trace: 25

	Read Freq	Read Level	LISN Factor	Aux2 Factor	Cable Loss	Level	Limit Line	Over Linit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	23.13	0.20	9.88	0.01	33.22	55.56	-22.34	Average
2	0.158	32.94	0.20	9.88	0.01	43.03	65.56	-22.53	QP
3	0.198	30.53	0.20	9.88	0.04	40.65	63.71	-23.06	QP
4	0.270	17.59	0.20	9.88	0.02	27.69	51.12	-23.43	Average
5	0.611	30.34	0.20	9.88	0.02	40.44	56.00	-15.56	QP
6	0.614	21.03	0.20	9.88	0.02	31.13	46.00	-14.87	Average
7	1.898	25.44	0.29	9.88	0.20	35.81	56.00	-20.19	QP
8	9.502	25.44	0.38	9.91	0.12	35.85	60.00	-24.15	QP
9	10.733	19.39	0.40	9.91	0.12	29.82	50.00	-20.18	Average
10	13.057	17.12	0.40	9.92	0.11	27.55	50.00	-22.45	Average
11	15.801	24.75	0.40	9.94	0.16	35.25	60.00	-24.75	QP
12	22.180	14.62	0.37	9.98	0.16	25.13	50.00	-24.87	Average

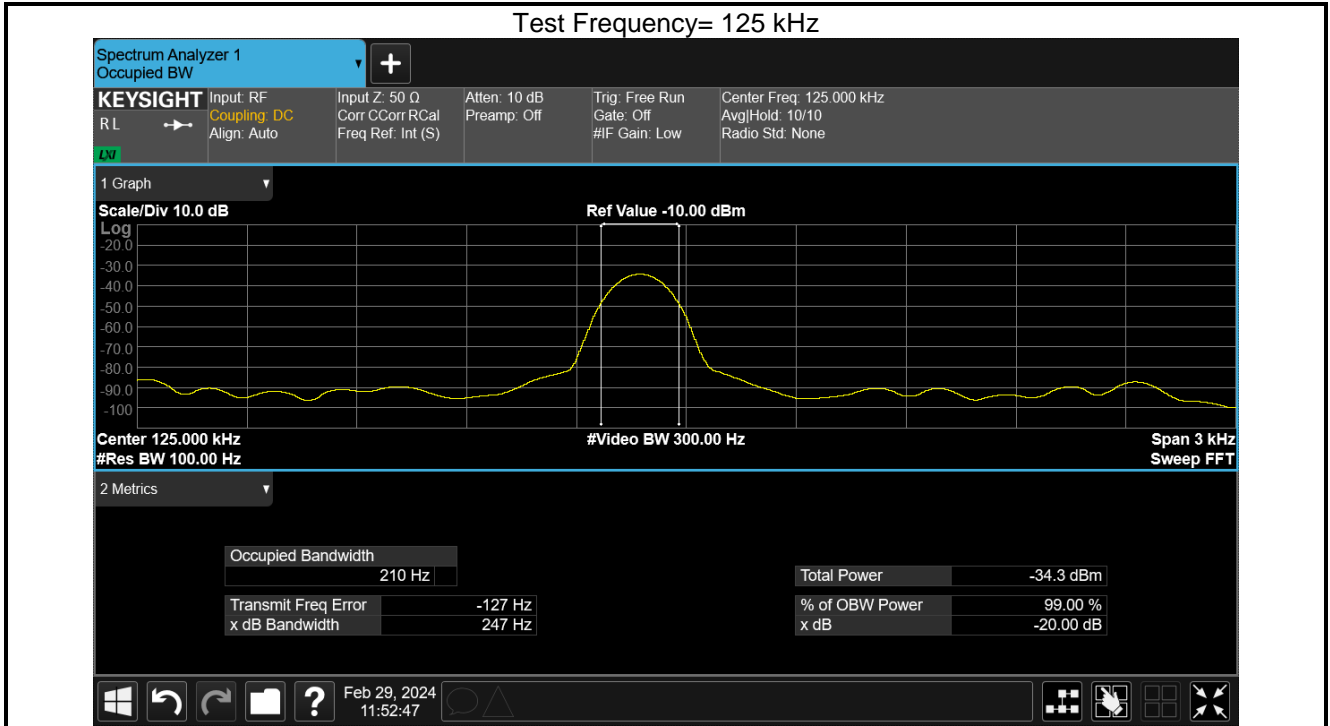
Remark:

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

5.4 20dB Bandwidth

20dB bandwidth (kHz)	Limits
0.247	N/A
<i>Remark: For report purpose only.</i>	

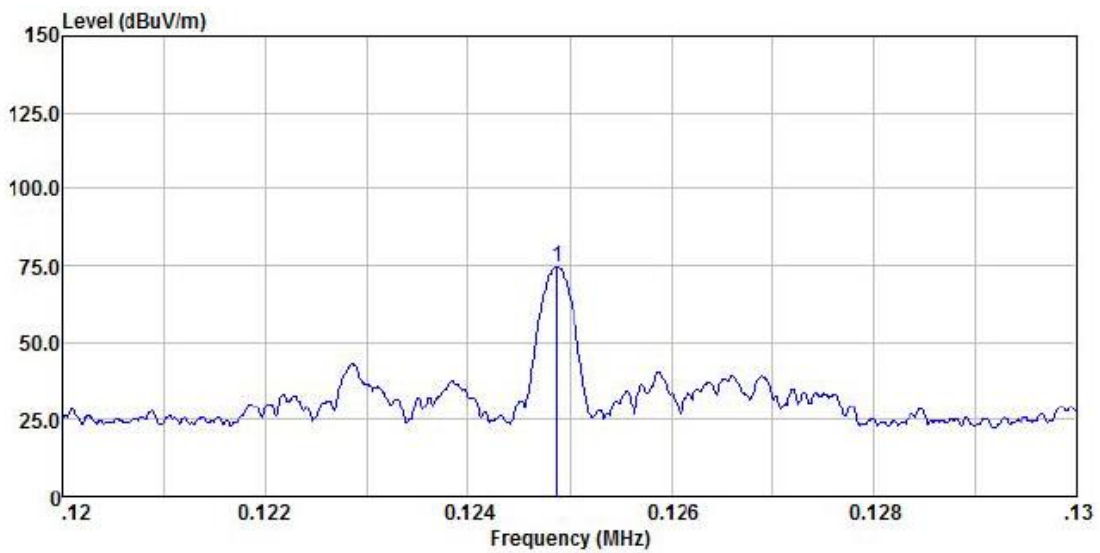
Test plot as follows:



5.5 Field Strength of Fundamental

Peak Value					
Frequency (kHz)	H-field @3m (dBμV)	Limit @3m (dBμV)	Margin (dB)	Polarization	Result
125.00	74.70	105.67	30.97	Coxial	Pass
125.00	76.08	105.67	29.59	Coplanar	Pass

Product Name:	Mobile Phone	Product Model:	X6851
Test By:	Robin	Test mode:	Tx mode
Test Voltage:	DC 3.91V	Polarization:	Coxial

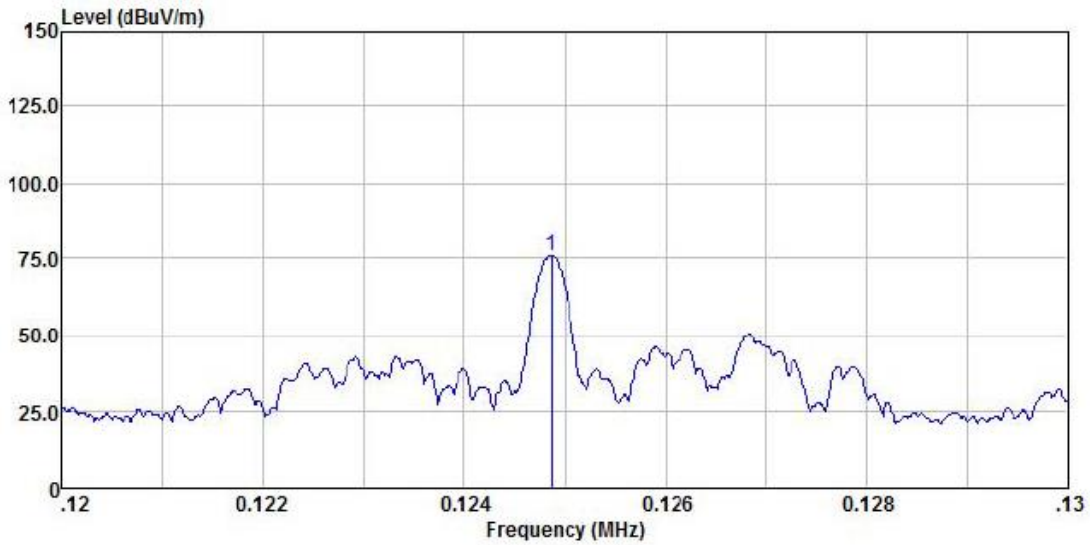


	Read	Antenna	Cable	Preamp	Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Linit Remark
-----	-----	-----	-----	-----	-----	-----	-----
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	0.125	54.67	20.00	0.03	0.00	74.70	----- Peak

Remark:

1. Level = Read level + Antenna Factor + Cable Loss – Preamplicifier Factor.

Product Name:	Mobile Phone	Product Model:	X6851
Test By:	Robin	Test mode:	Tx mode
Test Voltage:	DC 3.87V	Polarization:	Coplanar



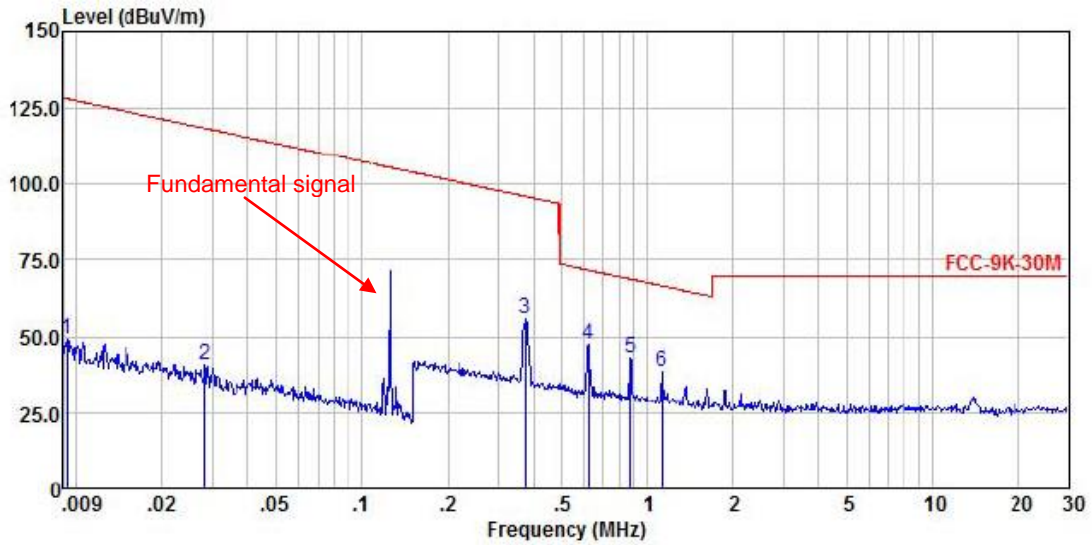
	Read	Antenna	Cable	Preamp	Limit	Over	
1	Freq	Level	Factor	Loss	Factor	Level	Line
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m
1	0.125	56.05	20.00	0.03	0.00	76.08	-----
							Peak

Remark:

1. Level = Read level + Antenna Factor + Cable Loss – Preamplifier Factor.

5.6 Field Strength of Spurious Emissions

Product Name:	Mobile Phone	Product Model:	X6851
Test By:	Robin	Test mode:	Charing mode
Test Frequency:	9 kHz – 30 MHz	Polarization:	Coxial
Test Voltage:	DC 3.91V		

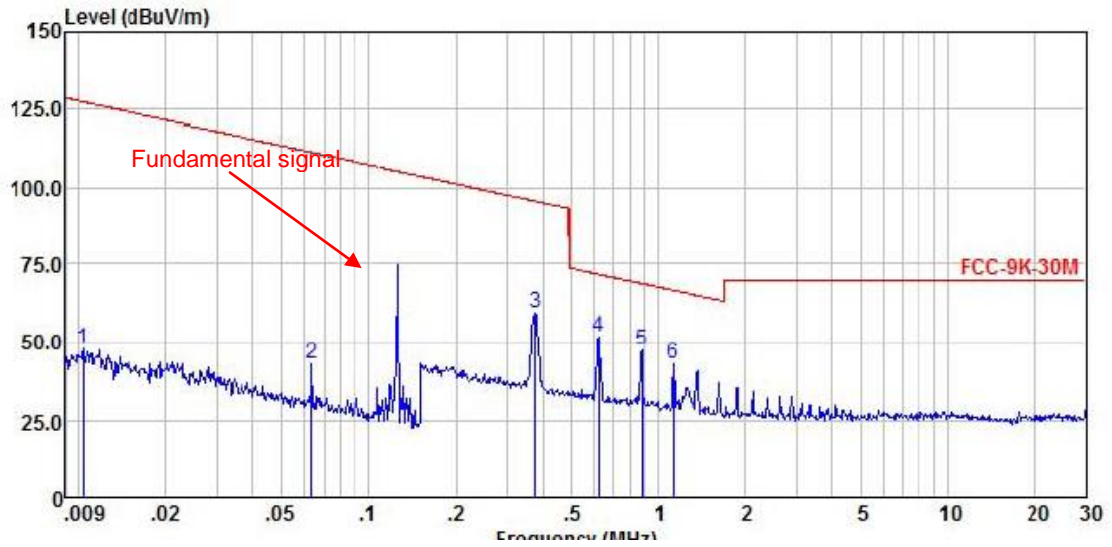


	Read	Antenna	Cable	Preamp	Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Linit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.009	28.63	20.36	0.01	0.00	49.00	128.22	-79.22 Peak
2	0.028	20.70	20.22	0.01	0.00	40.93	118.64	-77.71 Peak
3	0.373	35.18	20.65	0.06	0.00	55.89	96.18	-40.29 Peak
4	0.626	26.62	20.70	0.09	0.00	47.41	71.68	-24.27 Peak
5	0.873	22.33	20.56	0.10	0.00	42.99	68.80	-25.81 Peak
6	1.123	18.08	20.49	0.17	0.00	38.74	66.62	-27.88 Peak

Remark:

1. Level = Read level + Antenna Factor + Cable Loss – Preamp Factor.

Product Name:	Mobile Phone	Product Model:	X6851
Test By:	Robin	Test mode:	Charing mode
Test Frequency:	9 kHz – 30 MHz	Polarization:	Coplanar
Test Voltage:	DC 3.91V		

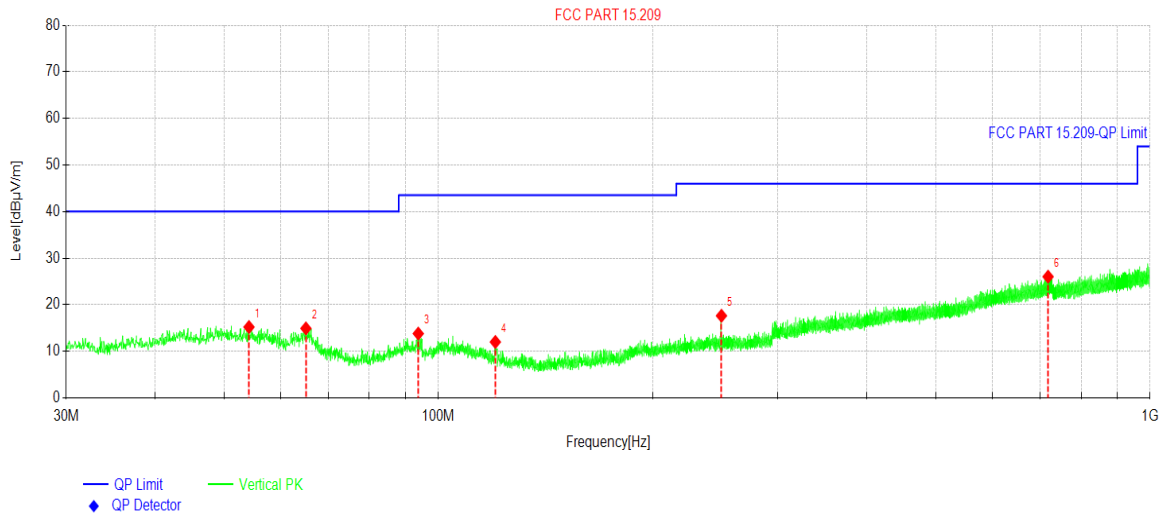


	Freq	Read	Antenna	Cable	Preamp	Level	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	dBuV/m	dBuV/m	Limit	
		dBuV	dB/m	dB	dB			dB	
1	0.010	27.35	20.49	0.01	0.00	47.85	127.30	-79.45	Peak
2	0.064	22.04	20.53	0.02	0.00	42.59	111.52	-68.93	Peak
3	0.376	38.57	20.66	0.06	0.00	59.29	96.11	-36.82	Peak
4	0.626	30.56	20.70	0.09	0.00	51.35	71.68	-20.33	Peak
5	0.880	26.25	20.56	0.11	0.00	46.92	68.72	-21.80	Peak
6	1.123	21.88	20.49	0.17	0.00	42.54	66.62	-24.08	Peak

Remark:

1. Level = Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor.

Product Name:	Mobile Phone	Product Model:	X6851
Test By:	Robin	Test mode:	Charing mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Vertical
Test Voltage:	DC 3.91V		

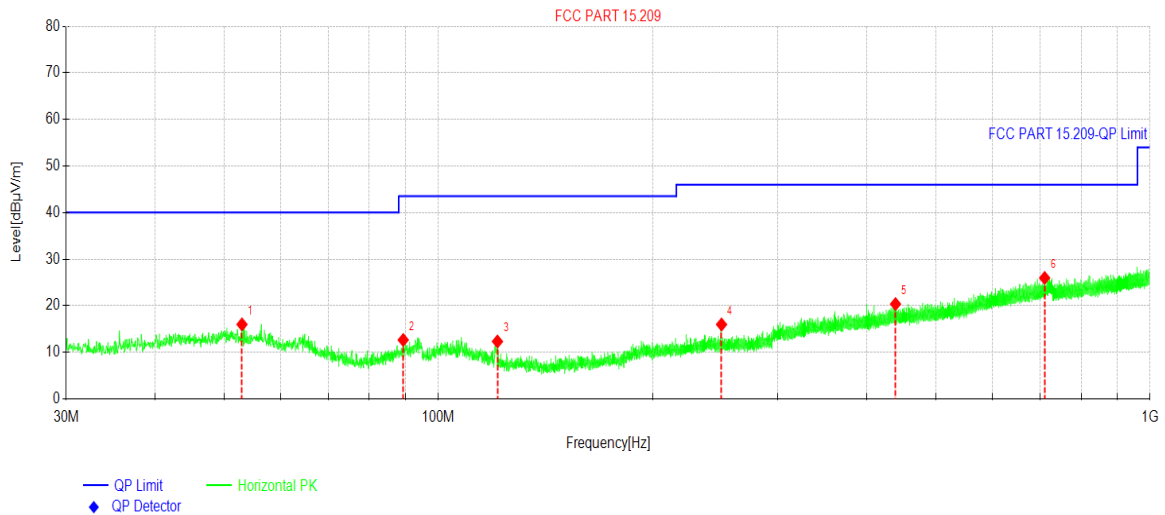


Suspected Data List								
NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	54.2027	27.99	-12.78	15.21	40.00	24.79	PK	Vertical
2	65.1643	29.72	-14.81	14.91	40.00	25.09	PK	Vertical
3	93.7322	29.48	-15.68	13.80	43.50	29.70	PK	Vertical
4	120.263	28.76	-16.76	12.00	43.50	31.50	PK	Vertical
5	249.958	31.11	-13.49	17.62	46.00	28.38	PK	Vertical
6	719.122	30.68	-4.66	26.02	46.00	19.98	PK	Vertical

Remark:

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

Product Name:	Mobile Phone	Product Model:	X6851
Test By:	Robin	Test mode:	Charing mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Horizontal
Test Voltage:	DC 3.91V		



Suspected Data List

NO.	Freq. [MHz]	Reading [dBµV/m]	Factor [dB]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	52.9902	28.71	-12.73	15.98	40.00	24.02	PK	Horizontal
2	89.2700	29.07	-16.42	12.65	43.50	30.85	PK	Horizontal
3	121.087	29.22	-16.90	12.32	43.50	31.18	PK	Horizontal
4	250.007	29.46	-13.49	15.97	46.00	30.03	PK	Horizontal
5	438.923	30.02	-9.66	20.36	46.00	25.64	PK	Horizontal
6	711.022	30.78	-4.82	25.96	46.00	20.04	PK	Horizontal

Remark:

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

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