FCC REPORT

Applicant: HMD global Oy

Address of Applicant: Bertel Jungin aukio 9, 02600 Espoo, Finland

Equipment Under Test (EUT)

Product Name: Smart Phone

Model No.: TA-1390

Trade mark: NOKIA

FCC ID: 2AJOTTA-1390

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 19 Aug., 2021

Date of Test: 20 Aug., to 28 Aug., 2021

Date of report issued: 29 Aug., 2021

Test Result: PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Bruce Zhang
Laboratory Manager

2 Version

Version No.	Date	Description
00	*29 Aug., 2021*	*Original*

Tested by: Mike.ou ***Date:*** *29 Aug., 2021*

Test Engineer

Reviewed by: Winner Zhang ***Date:*** *29 Aug., 2021*

Project Engineer

3 Contents

Page

4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass
Remark: *1. Pass: The EUT complies with the essential requirements in the standard.*		
Test Method:	*ANSI C63.4:2014*	

5 General Information

5.1 Client Information

Applicant:	HMD global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland
Manufacturer:	HMD global Oy
Address:	Bertel Jungin aukio 9, 02600 Espoo, Finland

5.2 General Description of E.U.T.

Product Name:	Smart Phone		
Model No.:	TA-1390		
Frequency Bands:	Band	TX Frequency (MHz)	RX Frequency (MHz)
	GSM850:	824~849	869~894
	GSM1900	1850~1910	1930~1990
	WCDMA Band II:	1850~1910	1930~1990
	WCDMA Band IV:	1710~1755	2110~2155
	WCDMA Band V:	824~849	869~894
	LTE Band 2:	1850~1910	1930~1990
	LTE Band 4:	1710~1755	2110~2155
	LTE Band 5:	824~849	869~894
	LTE Band 7:	2500~2570	2620~2690
	LTE Band 12:	699~716	729~746
	LTE Band 13:	777~787	746~756
	LTE Band 17:	704~716	734~746
	LTE Band 25:	1850~1915	1930~1995
	LTE Band 26:	814~849	859~894
	LTE Band 38:	2570~2620	2570~2620
	LTE Band 41:	2496~2690	2496~2690
	LTE Band 66:	1710~1780	2110~2200
	LTE Band CA_7C:	2500~2570	2620~2690
	LTE Band CA_38C:	2570~2620	2570~2620
	LTE Band CA_41C:	2496~2690	2496~2690
	NR n2:	1850~1910	1930~1990
	NR n5:	824~849	869~894
	NR n7	2500~2570	2620~2690
	NR n38:	2570~2620	2570~2620
	NR n41:	2496~2690	2496~2690
	NR n66:	1710~1780	2110~2200
	NR n71:	663~698	617~652
	NR n78:	3450~3550	3450~3550
	Wi-Fi 2.4G	2412~2462	2412~2462
	Bluetooth	2402~2480	2402~2480
	Wi-Fi 5G	5150~5850	5150~5850
	GNSS(GPS + Galileo + Glonass + Beidou)	/	1599~1610
	NFC	13.56	13.56
	FM	/	88~108

Power supply:	Rechargeable Lithium ion Polymer Battery DC3.85V, 4.85Ah
AC adapter:	Adapter 1: Model: TN-050200U3, TN-050200E3, TN-050200C3A Input: AC100-240V, 50/60Hz, 0.35A Output: DC 5.0V, 2.0A 10.0W Note: Only the pins are different between different models Adapter 2: Model: TN-050200U3, TN-050200A3, TN-050200C3A Input: AC100-240V, 50/60Hz, 0.35A Output: DC 5.0V, 2.0A 10.0W Note: Only the pins are different between different models Adapter 3: Model: AD-010A, AD-010X Input: AC100-240V, 50/60Hz, 0.35A Output: DC 5.0V, 2.0A 10.0W Note: Only the pins are different between different models
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

5.3 Test Mode

Operating mode	Detail description
TM 1 mode	Keep the EUT and PC data exchange (Worst case)
TM 2 mode	Keep the EUT in Charging+Recording mode
TM 3 mode	Keep the EUT in Charging+Playing mode
TM 4 mode	Keep the EUT in FM receiver mode
TM 5 mode	Keep the EUT in GPS receiver mode
TM 6 mode	GSM850 Idle+BT+WLAN +GPS Rx+playing MP4 (SD card)+NFC+adapter
TM 7 mode	WCDMA Band V Idle+BT+WLAN +GPS Rx+playing MP4 (SD card)+NFC+adapter
TM 8 mode	LTE Band 5 Idle+BT+WLAN +GPS Rx+playing MP4 (SD card)+NFC+adapter
TM 9 mode	LTE Band 12 Idle +BT+WLAN +GPS Rx+playing MP4 (SD card)+NFC+adapter
TM 10 mode	LTE Band 13 Idle +BT+WLAN +GPS Rx+playing MP4 (SD card)+NFC+adapter
TM 11 mode	LTE Band 17 Idle +BT+WLAN +GPS Rx+playing MP4 (SD card)+NFC+adapter
TM 12 mode	NR n5 Idle +BT+WLAN +GPS Rx+playing MP4 (SD card)+NFC+adapter
TM 13 mode	NR n71 Idle +BT+WLAN +GPS Rx+playing MP4 (SD card)+NFC+adapter
Remark :	1. During the test, pre-scan all mode, found TM 1 was worse case mode. 2. Pre-scan all adapter and all USB Cable, found adapter 1 and USB Cable 1 was worse case mode. 3. The report only reflects the worst 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.	

5.4 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission (9kHz ~ 30MHz)	±2.62 dB (k=2)
Radiated Emission (9kHz ~ 30MHz) (3m SAC)	±3.13 dB
Radiated Emission (30MHz ~ 1000MHz) (3m SAC)	±4.45 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	±5.34 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	±5.34 dB
Note: *The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.26-2015. 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.*	

5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
LENOVO	Laptop	SL510	2847A65	DoC
DELL	MOUSE	MS116t1	N/A	DoC
MERCURY	Wireless router	MW150R	12922104015	FCC ID

5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

5.7 Description of Cable Used

Cable Type	Vendor	Model Name	Spec Info	Supplier PN
Detached USB Cable 1	Shenzhen Chuangyitong Technology Co., Ltd.	88806-025	Type-C/2A data cable/1M/AWG24/Black/CYT	P103-BVJ130-010
Detached USB Cable 2	Shenzhen Yihuaxing Electronics CO.,Ltd.	T365-011B	Type-C/2A data cable/1M/AWG24/Black/YHX	P103-BVJ130-000
Detached headset cable	DongGuan LongTa Xin Electronics Co.,Ltd	LTX-LH021	3.5 round wire semi-in-ear type/low end with wheat/black 1.2m	P106-BTX130-000

5.8 Additions to, deviations, or exclusions from the method

No

5.9 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 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.

- **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

5.10 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://www.ccis-cb.com

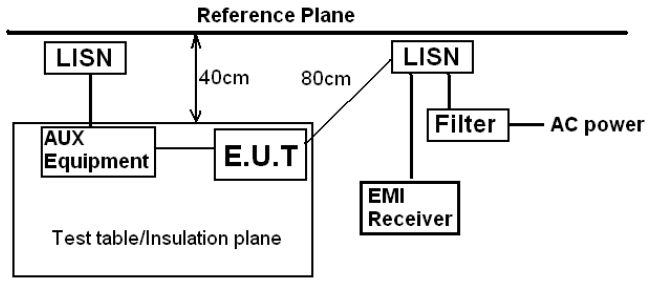
5.11 Test Instruments list

Radiated Emission:					
Test Equipment	**Manufacturer**	**Model No.**	**Management Number**	**Cal.Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
3m SAC	SAEMC	9m*6m*6m	WXJ001-1	01-19-2021	01-18-2024
BiConiLog Antenna	SCHWARZBECK	VULB9163	WXJ002	03-03-2021	03-02-2022
Horn Antenna	SCHWARZBECK	BBHA9120D	WXJ002-2	03-03-2021	03-02-2022
Pre-amplifier	HP	8447D	WXG001-2	03-07-2021	03-06-2022
Pre-amplifier	SKET	LNPA_0118G-50	WXG001-3	03-07-2021	03-06-2022
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP30	WXJ004	03-03-2021	03-02-2022
Signal Generator	Agilent	N5173B	WXJ006-7	03-25-2021	03-24-2022
Simulated Station	Rohde & Schwarz	CMW500	WXJ008-3	06-17-2021	06-16-2022
RF Switch Unit	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

Conducted Emission:					
Test Equipment	**Manufacturer**	**Model No.**	**Management Number**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
EMI Test Receiver	Rohde & Schwarz	ESCI	WXJ003	03-03-2021	03-02-2022
LISN	Rohde & Schwarz	ENV432	WXJ005-2	04-06-2021	04-05-2022
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	06-17-2020	06-16-2022
Coaxial Cable	JYT	JYTCE-1G-NN-2M	WXG003-1	03-03-2021	03-02-2022
Simulated Station	Rohde & Schwarz	CMW500	WXJ008-3	06-17-2021	06-16-2022
UXM 5G Wireless Test Platform	KEYSIGHT	E7515B	MY60192444	11-27-2020	11-26-2021
RF Switch	Top Precision	RSU0301	WXG003	N/A	N/A
EMI Test Software	AUDIX	E3	Version: 6.110919b		

6 Test results and Measurement Data

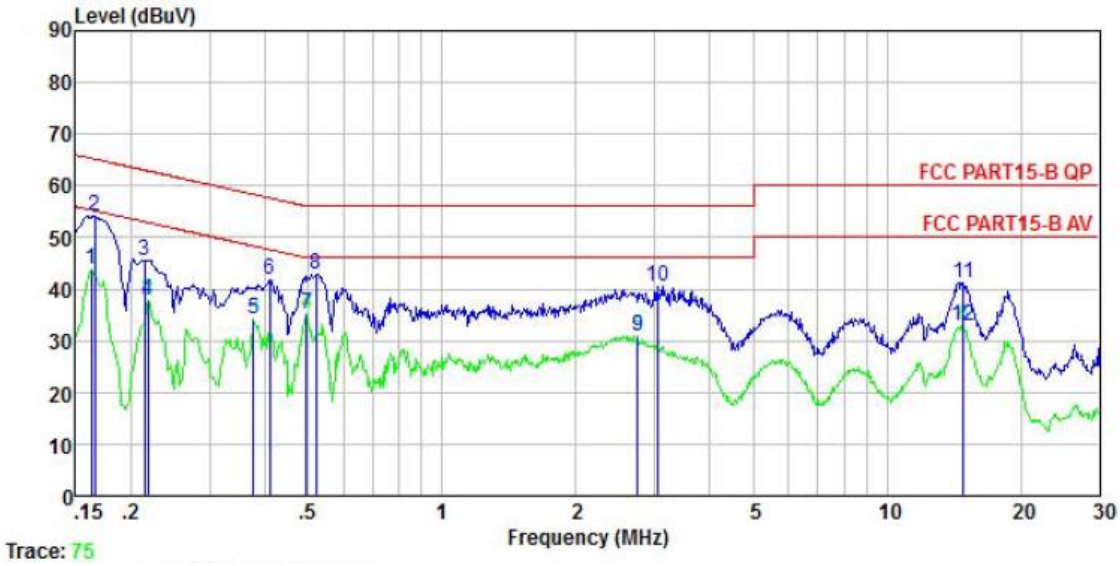
6.1 Conducted Emission

<table>
<tr><td>Test Requirement:</td><td colspan="3">FCC Part 15 B Section 15.107</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="3">150kHz to 30MHz</td></tr>
<tr><td>Class / Severity:</td><td colspan="3">Class B</td></tr>
<tr><td>Receiver setup:</td><td colspan="3">RBW=9kHz, VBW=30kHz</td></tr>
<tr><td>Limit:</td><td rowspan="2">Frequency range (MHz)</td><td colspan="2">Limit (dBµV)</td></tr>
<tr><td>Quasi-peak</td><td>Average</td></tr>
<tr><td></td><td>0.15-0.5</td><td>66 to 56*</td><td>56 to 46*</td></tr>
<tr><td></td><td>0.5-5</td><td>56</td><td>46</td></tr>
<tr><td></td><td>0.5-30</td><td>60</td><td>50</td></tr>
<tr><td></td><td colspan="3">* Decreases with the logarithm of the frequency.</td></tr>
<tr><td>Test setup:</td><td colspan="3"> 

Remark:
E.U.T: Equipment Under Test
LISN: Line Impedence Stabilization Network
Test table height=0.8m</td></tr>
<tr><td>Test procedure</td><td colspan="3">1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide 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 refers 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(latest version) on conducted measurement.</td></tr>
<tr><td>Test Instruments:</td><td colspan="3">Refer to section 5.11 for details</td></tr>
<tr><td>Test mode:</td><td colspan="3">Refer to section 5.3 for details</td></tr>
<tr><td>Test results:</td><td colspan="3">Pass</td></tr>
</table>

Measurement data:

Product name:	Smart Phone	Product model:	TA-1390
Test by:	Mike	Test mode:	TM 1 mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%

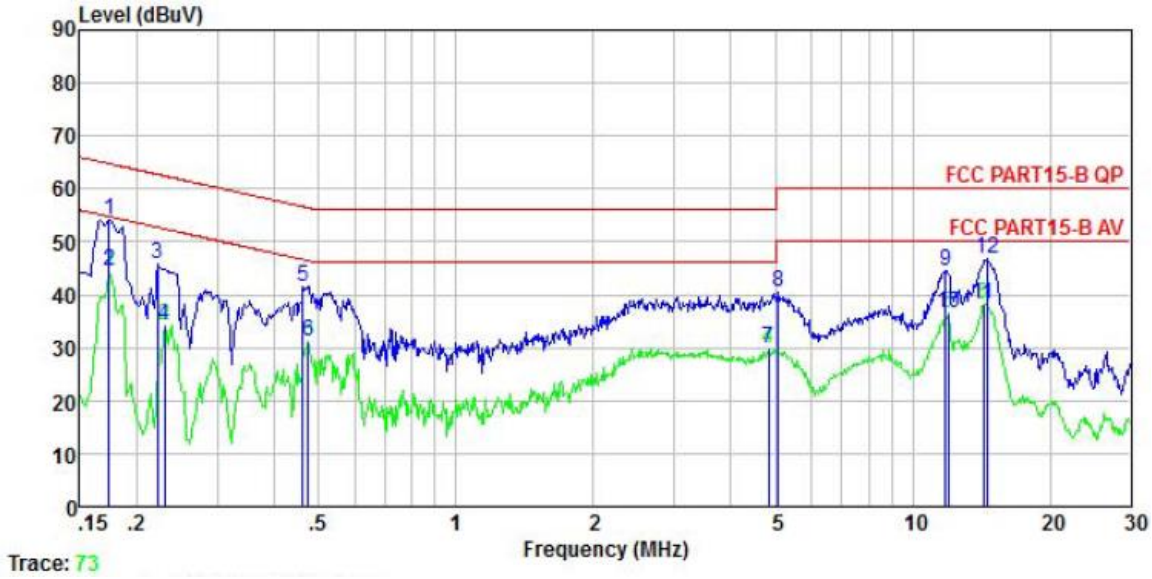


	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.162	33.59	10.22	-0.08	0.01	43.74	55.34	-11.60	Average
2	0.166	43.95	10.22	-0.09	0.01	54.09	65.16	-11.07	QP
3	0.214	35.56	10.24	-0.18	0.03	45.65	63.05	-17.40	QP
4	0.219	27.72	10.24	-0.18	0.03	37.81	52.88	-15.07	Average
5	0.377	23.61	10.27	0.27	0.03	34.18	48.34	-14.16	Average
6	0.410	31.06	10.28	0.33	0.04	41.71	57.64	-15.93	QP
7	0.497	25.22	10.29	-0.32	0.03	35.22	46.05	-10.83	Average
8	0.521	32.96	10.29	-0.36	0.03	42.92	56.00	-13.08	QP
9	2.750	20.61	10.35	-0.23	0.10	30.83	46.00	-15.17	Average
10	3.041	30.23	10.35	-0.20	0.07	40.45	56.00	-15.55	QP
11	14.828	26.73	10.76	3.54	0.14	41.17	60.00	-18.83	QP
12	14.828	18.43	10.76	3.54	0.14	32.87	50.00	-17.13	Average

Notes:

1. *An initial pre-scan was performed on the line and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level =Receiver Read level + LISN Factor + Aux Factor + Cable Loss.*

Product name:	Smart Phone	Product model:	TA-1390
Test by:	Mike	Test mode:	TM 1 mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%

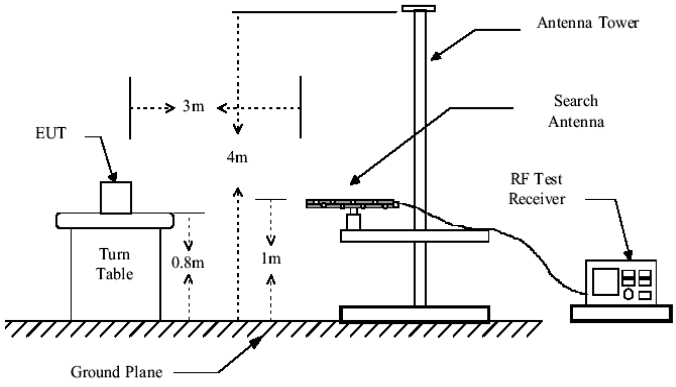


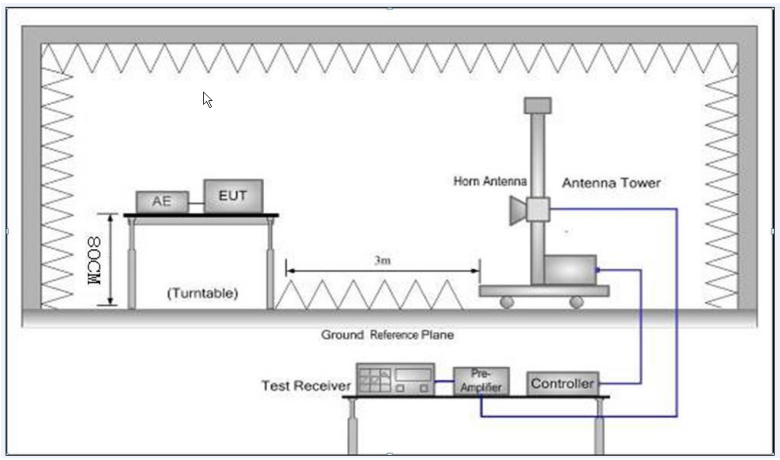
	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.174	44.03	10.21	0.00	0.01	54.25	64.77	-10.52	QP
2	0.174	34.24	10.21	0.00	0.01	44.46	54.77	-10.31	Average
3	0.222	35.72	10.23	0.00	0.03	45.98	62.74	-16.76	QP
4	0.230	23.85	10.23	0.00	0.02	34.10	52.44	-18.34	Average
5	0.461	31.18	10.28	0.00	0.03	41.49	56.67	-15.18	QP
6	0.474	20.77	10.28	0.01	0.03	31.09	46.45	-15.36	Average
7	4.822	18.85	10.41	0.65	0.09	30.00	46.00	-16.00	Average
8	5.085	29.41	10.41	0.68	0.09	40.59	60.00	-19.41	QP
9	11.807	31.71	10.65	2.09	0.10	44.55	60.00	-15.45	QP
10	11.933	23.74	10.65	2.12	0.10	36.61	50.00	-13.39	Average
11	14.288	24.44	10.71	2.91	0.13	38.19	50.00	-11.81	Average
12	14.594	33.14	10.72	2.98	0.13	46.97	60.00	-13.03	QP

Notes:

1. *An initial pre-scan was performed on the line and neutral lines with peak detector.*
2. *Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.*
3. *Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.*

6.2 Radiated Emission

<table>
<tr><td>Test Requirement:</td><td colspan="5">FCC Part 15 B Section 15.109</td></tr>
<tr><td>Test Frequency Range:</td><td colspan="5">30MHz to 6000MHz</td></tr>
<tr><td>Test site:</td><td colspan="5">Measurement Distance: 3m (Semi-Anechoic Chamber)</td></tr>
<tr><td>Receiver setup:</td><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr>
<tr><td></td><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120kHz</td><td>300kHz</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td></td><td>RMS</td><td>1MHz</td><td>3MHz</td><td>Average Value</td></tr>
<tr><td>Limit:</td><td colspan="2">Frequency</td><td colspan="2">Limit (dBuV/m @3m)</td><td>Remark</td></tr>
<tr><td></td><td colspan="2">30MHz-88MHz</td><td colspan="2">40.0</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td colspan="2">88MHz-216MHz</td><td colspan="2">43.5</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td colspan="2">216MHz-960MHz</td><td colspan="2">46.0</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td colspan="2">960MHz-1GHz</td><td colspan="2">54.0</td><td>Quasi-peak Value</td></tr>
<tr><td></td><td colspan="2" rowspan="2">Above 1GHz</td><td colspan="2">54.0</td><td>Average Value</td></tr>
<tr><td></td><td colspan="2">74.0</td><td>Peak Value</td></tr>
<tr><td>Test setup:</td><td colspan="5">Below 1GHz
 

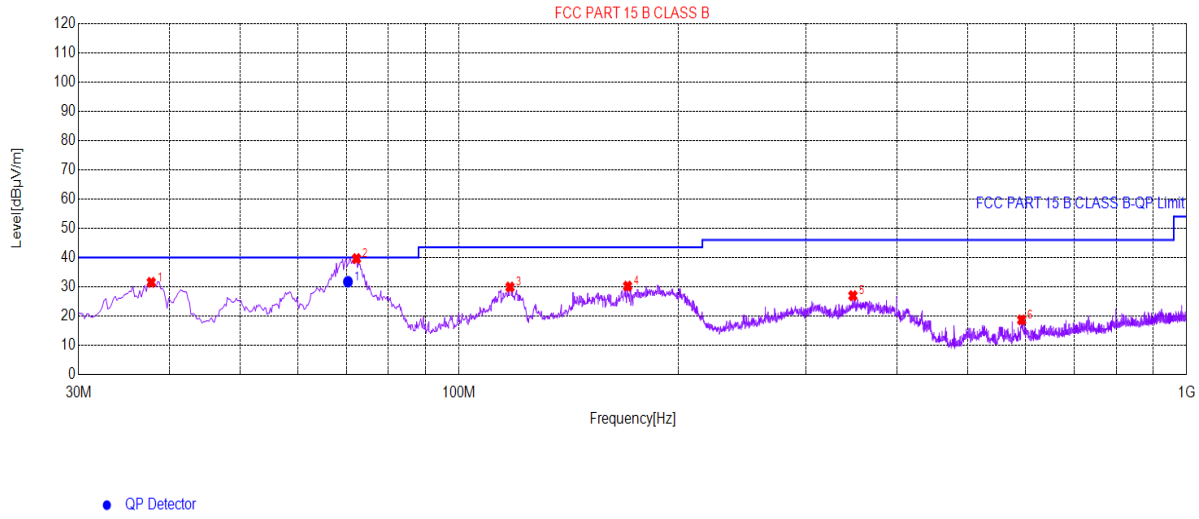
Above 1GHz
 
</td></tr>
<tr><td>Test Procedure:</td><td colspan="5">1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</td></tr>
</table>

	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 5.11 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded

Measurement Data:

Below 1GHz:

Product Name:	Smart Phone	**Product Model:**	TA-1390
Test By:	Mike	**Test mode:**	TM 1 mode
Test Frequency:	30 MHz ~ 1 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120V/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



Suspected List

Suspected List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	37.7616	54.75	31.50	-23.25	40.00	8.50	286	16	Vertical
2	72.3005	63.61	39.63	-23.98	40.00	0.37	242	2	Vertical
3	117.511	52.79	29.90	-22.89	43.50	13.60	331	283	Vertical
4	170.484	54.02	30.21	-23.81	43.50	13.29	378	126	Vertical
5	347.835	44.26	26.95	-17.31	46.00	19.05	255	349	Vertical
6	593.294	30.95	18.66	-12.29	46.00	27.34	177	132	Vertical

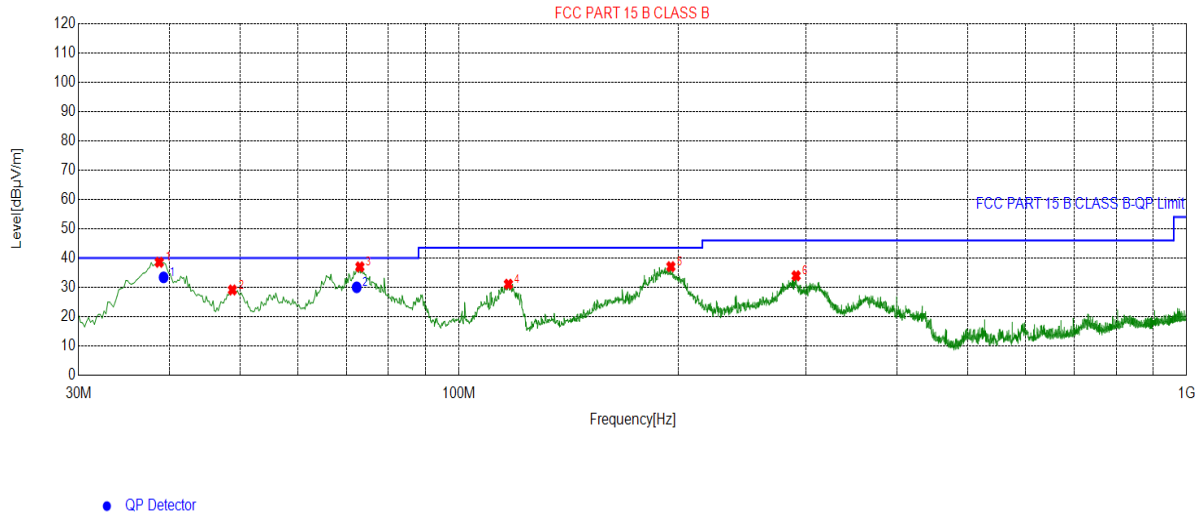
Final Data List

Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	70.3625	-23.97	31.73	40.00	8.27	193	65.5	Vertical

Remark:

1. *Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Product Name:	Smart Phone	Product Model:	TA-1390
Test By:	Mike	Test mode:	TM 1 mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz	Environment:	Temp: 24℃ Huni: 57%



Suspected List

Suspected List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	38.7317	61.62	38.54	-23.08	40.00	1.46	263	317	Horizonta
2	48.8218	51.32	29.11	-22.21	40.00	10.89	172	290	Horizonta
3	73.0766	61.02	36.98	-24.04	40.00	3.02	203	172	Horizonta
4	116.929	53.95	31.08	-22.87	43.50	12.42	272	220	Horizonta
5	195.515	59.92	37.05	-22.87	43.50	6.45	282	43	Horizonta
6	290.594	52.91	33.93	-18.98	46.00	12.07	376	103	Horizonta

Final Data List

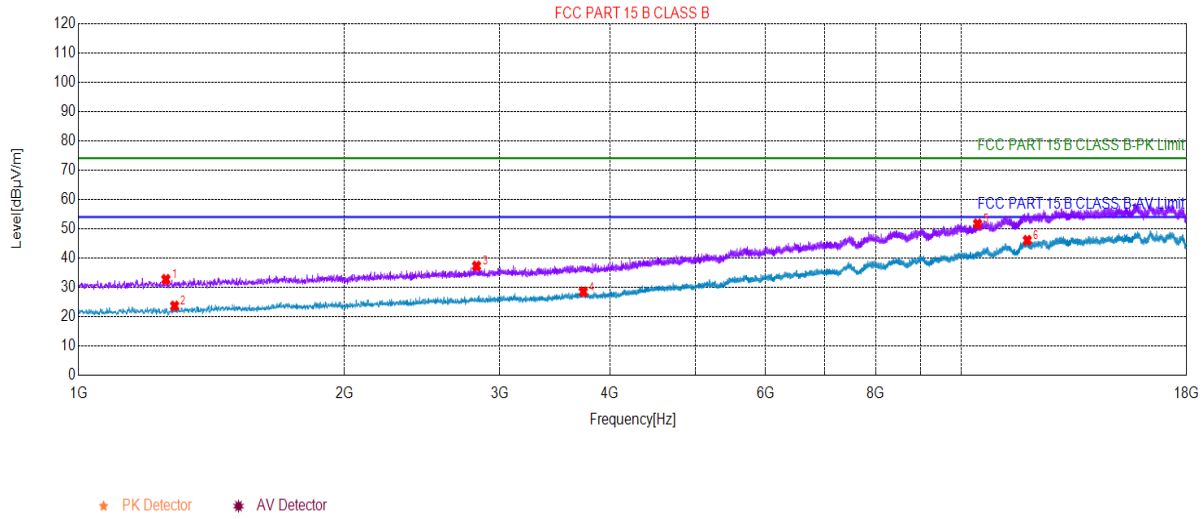
Final Data List								
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	39.2607	-23.08	33.42	40.00	6.58	192	69.7	Horizontal
2	72.3376	-24.04	30.02	40.00	9.98	194	282.6	Horizontal

Remark:

1. *Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Above 1GHz:

Product Name:	Smart Phone	**Product Model:**	TA-1390
Test By:	Mike	**Test mode:**	TM 1 mode
Test Frequency:	1 GHz ~ 6 GHz	**Polarization:**	Vertical
Test Voltage:	AC 120V/60Hz	**Environment:**	Temp: 24℃ Huni: 57%



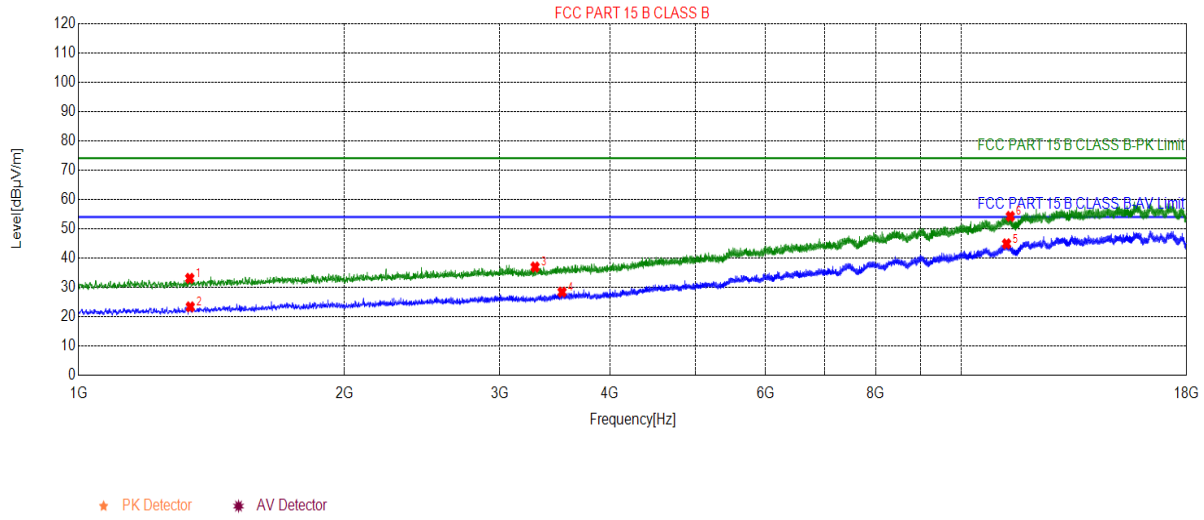
Suspected List

Suspected List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1255.86	63.34	32.69	-30.65	74.00	41.31	173	315	Vertical
2	1284.76	54.13	23.63	-30.50	54.00	30.37	136	185	Vertical
3	2824.19	62.42	37.25	-25.17	74.00	36.75	175	130	Vertical
4	3731.18	51.50	28.47	-23.03	54.00	25.53	255	259	Vertical
5	10434.6	54.49	51.64	-2.85	74.00	22.36	167	359	Vertical
6	11878.8	45.18	46.03	0.85	54.00	7.97	158	70	Vertical

Remark:

1. *Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

Product Name:	Smart Phone	Product Model:	TA-1390
Test By:	Mike	Test mode:	TM 1 mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120V/60Hz	Environment:	Temp: 24℃ Huni: 57%



Suspected List

Suspected List									
NO.	Freq. [MHz]	Reading [dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1336.61	63.25	33.07	-30.18	74.00	40.93	263	306	Horizonta
2	1338.31	53.51	23.34	-30.17	54.00	30.66	373	336	Horizonta
3	3290.01	61.23	36.92	-24.31	74.00	37.08	363	46	Horizonta
4	3529.72	52.03	28.38	-23.65	54.00	25.62	211	184	Horizonta
5	11253.2	46.44	44.84	-1.60	54.00	9.16	353	2	Horizonta
6	11363.7	55.21	54.20	-1.01	74.00	19.80	205	291	Horizonta

Remark:

1. *Final Level = Receiver Read level + Factor (Antenna Factor + Cable Loss – Preamplifier Factor).*
2. *The emission levels of other frequencies are very lower than the limit and not show in test report.*

7 Test Setup Photo

Reference to the test setup photos: 15B-Test Setup Photo

8 EUT Constructional Details

Reference to the External photo and Internal photo.

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