FCC RF Test Report

(NFC)

Applicant:	INFINIX MOBILITY LIMITED
Address of Applicant:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Equipment Under Test (EUT)	
Product Name:	Mobile Phone
Model No.:	X663D
Trade Mark:	Infinix
FCC ID:	2AIZN-X663D
Applicable Standards:	FCC CFR Title 47 Part 15C (§15.225)
Date of Sample Receipt:	10 Mar., 2022
Date of Test:	11 Mar., to 25 Mar., 2022
Date of Report Issue:	25 Mar., 2022
Test Result:	PASS

Tested by:	Mike.ou ***Test Engineer***	***Date:***	*25 Mar., 2022*
Reviewed by:	Winner Zhang ***Project Engineer***	***Date:***	*25 Mar., 2022*
Approved by:	***Manager***	***Date:***	*25 Mar., 2022*

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.

2 Version

Version No.	Date	Description
00	*25 Mar., 2022*	*Original*

3 Contents

Page

1 COVER PAGE 1

2 VERSION 2

3 CONTENTS 3

4 GENERAL INFORMATION 4

4.1 CLIENT INFORMATION 4
4.2 GENERAL DESCRIPTION OF E.U.T. 4
4.3 TEST MODE AND ENVIRONMENT 5
4.4 DESCRIPTION OF SUPPORT UNITS 5
4.5 MEASUREMENT UNCERTAINTY 5
4.6 ADDITIONS TO, DEVIATIONS, OR EXCLUSIONS FROM THE METHOD 5
4.7 LABORATORY FACILITY 5
4.8 LABORATORY LOCATION 6
4.9 TEST INSTRUMENTS LIST 6

5 MEASUREMENT SETUP AND PROCEDURE 7

5.1 TEST SETUP 7
5.2 TEST PROCEDURE 8

6 TEST RESULTS 9

6.1 SUMMARY 9
6.1.1 Clause and Data Summary 9
6.1.2 Test Limit 10
6.2 ANTENNA REQUIREMENT 11
6.3 AC POWER LINE CONDUCTED EMISSION 12
6.4 20DB BANDWIDTH 14
6.5 FIELD STRENGTH OF FUNDAMENTAL 15
6.6 FIELD STRENGTH OF SPURIOUS EMISSIONS 17
6.7 FREQUENCY TOLERANCE 21

4 General Information

4.1 Client Information

Applicant:	INFINIX MOBILITY LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Manufacturer:	INFINIX MOBILITY LIMITED
Address:	FLAT 39 8/F BLOCK D WAH LOK INDUSTRIAL CENTRE 31-35 SHAN MEI STREET FOTAN NT
Factory:	SHENZHEN TECNO TECHNOLOGY CO., LTD.
Address:	101, Building 24, Waijing Industrial Park, Fumin Community, Fucheng Street, Longhua District, Shenzhen City, P.R.China

4.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	X663D
Operation Frequency:	13.56MHz
Channel Numbers:	1
Modulation Type:	ASK
Antenna Type:	Induction Coil Antenna
Power Supply:	Rechargeable Li-ion Polymer Battery DC3.87V, 4900mAh
AC Adapter:	Model: U330XSA Input: AC100-240V, 50/60Hz, 1.5A Output: DC 5.0V-3.0A, 10.0V-3.3A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

4.3 Test Mode and Environment

Test Mode:			
Transmitting mode:	Keep the EUT in transmitting mode with modulation		
The EUT was placed on three different polar directions tested: i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:			
Axis	X	Y	Z
Field Strength(dBuV/m)	53.79	55.38	52.61
According to ANSI C63.10 standards, the test results are both the “worst case” and “worst setup”: Y axis (see the test setup photo).			
Operating Environment:			
Temperature:	15℃ ~ 35℃		
Humidity:	20 % ~ 75 % RH		
Atmospheric Pressure:	1010 mbar		

4.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
SHENZHEN HONOR ELECTRONIC CO., LDT.	AC ADAPTER	ADS-65H1-19A-2	200310110000128	N/A

4.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	±3.11 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	±2.62 dB
Radiated Emission (9kHz ~ 30MHz) (3m SAC)	±3.13 dB
Radiated Emission (30MHz ~ 1GHz) (3m SAC)	±4.45 dB
Radiated Emission (1GHz ~ 18GHz) (3m SAC)	±5.34 dB
Radiated Emission (18GHz ~ 40GHz) (3m SAC)	±5.34 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.*	

4.6 Additions to, Deviations, or Exclusions From the Method

No

4.7 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

4.8 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

4.9 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	01-19-2021	01-18-2024
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	02-17-2022	02-16-2023
Biconical Antenna	Schwarzbeck	VUBA9117	WXJ002-1	06-20-2021	06-19-2022
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-2	02-17-2022	02-16-2023
Horn Antenna	Schwarzbeck	BBHA9120D	WXJ002-3	06-18-2021	06-17-2022
Loop Antenna	Schwarzbeck	FMZB 1519 B	WXJ002-4	03-07-2022	03-06-2023
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXG001-7	02-17-2022	02-16-2023
Pre-amplifier (1GHz ~ 18GHz)	SKET	LNPA_0118G-50	WXG001-3	02-17-2022	02-16-2023
Pre-amplifier (18GHz ~ 40GHz)	RF System	TRLA-180400G45B	WXG001-9	02-17-2022	02-16-2023
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	02-17-2022	02-16-2023
Spectrum Analyzer	KEYSIGHT	N9010B	WXJ004-2	11-27-2021	11-26-2022
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	02-17-2022	02-16-2023
Coaxial Cable (1GHz ~ 18GHz)	JYTSZ	JYT3M-18G-NN-8M	WXG001-5	02-17-2022	02-16-2023
Coaxial Cable (18GHz ~ 40GHz)	JYTSZ	JYT3M-40G-SS-8M	WXG001-7	02-17-2022	02-16-2023
Coaxial Cable (9kHz ~ 30MHz)	JYT	JYT3M-1G-BB-5M	WXG001-6	03-07-2022	03-06-2023
Band Reject Filter Group	Tonscend	JS0806-F	WXJ089	N/A	
Test Software	Tonscend	TS+	Version: 3.0.0.1		

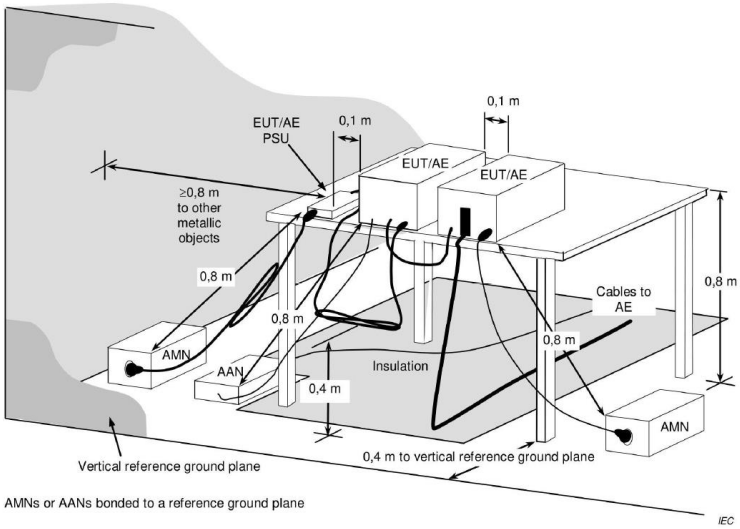
Conducted Emission:

Test Equipment	Manufacturer	Model No.	Manage No.	Cal.Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESCI 3	WXJ003	02-17-2022	02-16-2023

5 Measurement Setup and Procedure

5.1 Test Setup

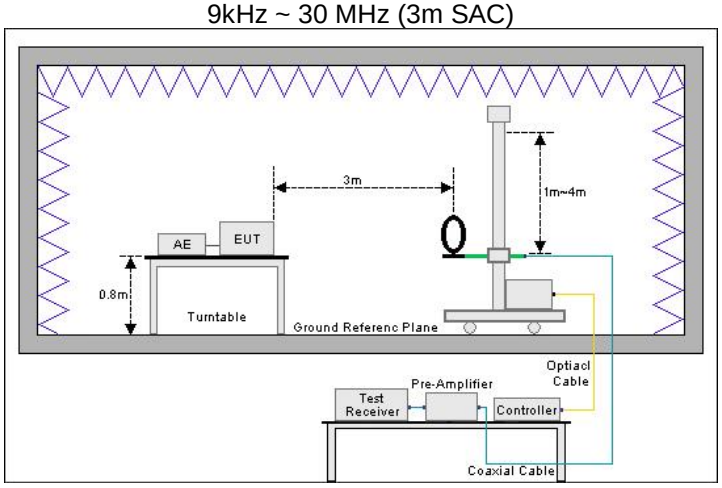
1) Conducted emission measurement:



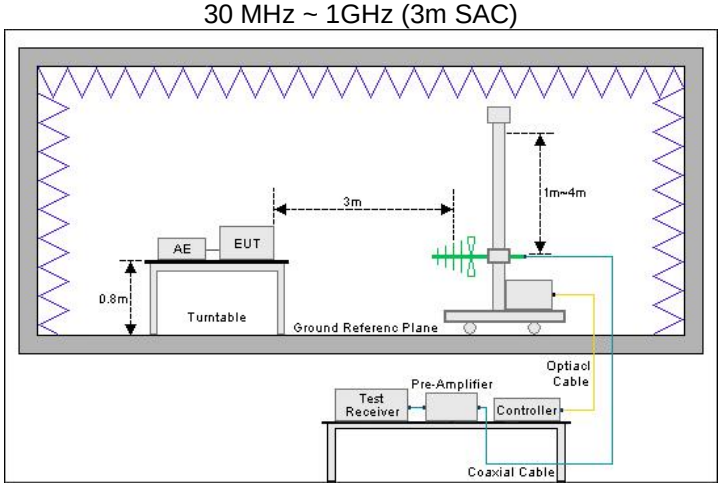
Note: The 0.8 m distance specified between EUT/AE/PSU and AMN/AAN, is applicable only to the EUT being measured. If the device is AE then it shall be >0.8 m.

2) Radiated emission measurement:

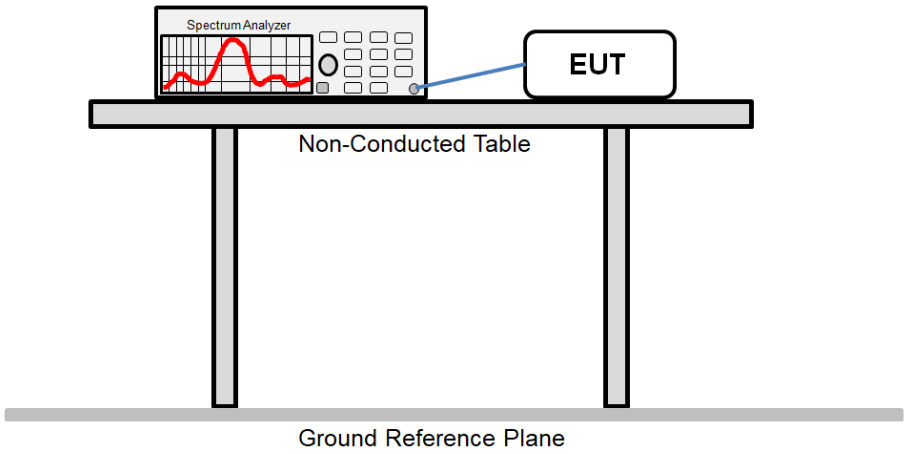
9kHz ~ 30 MHz (3m SAC)



30 MHz ~ 1GHz (3m SAC)



Conducted test method:



5.2 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 C63.10 on conducted measurement.
Radiated emission	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	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.

6 Test Results

6.1 Summary

6.1.1 Clause and Data Summary

Test items	Standard clause	Test data	Result
Antenna Requirement	15.203	See Section 6.2	Pass
AC Power Line Conducted Emission	15.207	See Section 6.3	Pass
20dB Bandwidth	15.215(c)	See Section 6.4	Pass
Field Strength of Fundamental	15.225 (a)(b)(c)	See Section 6.5	Pass
Field Strength of Spurious Emissions	15.209 15.225 (d)	See Section 6.6	Pass
Frequency Tolerance	15.225 (e)	See Section 6.7	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*		

6.1.2 Test Limit

<table>
<tr><th>Items</th><th>Limit</th></tr>
<tr><td>AC Power Line Conducted Emission</td><td>
<table>
<tr><th rowspan="2">Frequency (MHz)</th><th colspan="2">Limit (dBµV)</th></tr>
<tr><th>Quasi-Peak</th><th>Average</th></tr>
<tr><td>0.15 – 0.5</td><td>66 to 56 Note 1</td><td>56 to 46 Note 1</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>
<tr><td colspan="3">Note 1: The limit level in dBµV decreases linearly with the logarithm of frequency.
Note 2: The more stringent limit applies at transition frequencies.</td></tr>
</table>
</td></tr>
<tr><td>20dB Bandwidth</td><td>N/A</td></tr>
<tr><td>Field Strength of Fundamental

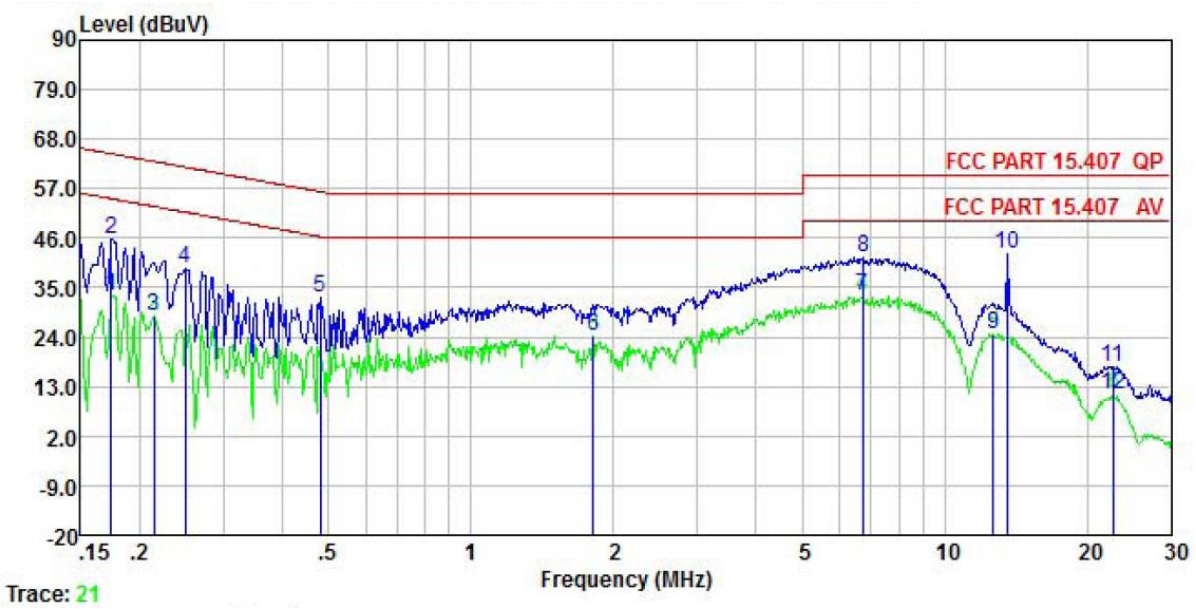
Field Strength of Spurious Emissions</td><td>
(a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
(b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter at 30 meters.
(c) Within the bands 13.110-13.410 MHz and 13.710-14.010 MHz the field strength of any emissions shall not exceed 106 microvolts/meter at 30 meters.
(d) The field strength of any emissions appearing outside of the 13.110-14.010 MHz band shall not exceed the general radiated emission limits in § 15.209.
<table>
<tr><th>Frequency (MHz)</th><th>Field strength (microvolts/meter)</th><th>Measurement distance (meters)</th></tr>
<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>
<tr><td colspan="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.</td></tr>
</table>
</td></tr>
<tr><td>Frequency Tolerance</td><td>The frequency tolerance of the carrier signal shall be maintained within ±0.01% of the operating frequency over a temperature variation of −20 degrees to + 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. For battery operated equipment, the equipment tests shall be performed using a new battery.</td></tr>
</table>

6.2 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 an induction coil antenna.

6.3 AC Power Line Conducted Emission

Product name:	Mobile Phone	**Product model:**	X663D
Test by:	Mike	**Test mode:**	NFC mode
Test frequency:	150 kHz ~ 30 MHz	**Phase:**	Line
Test voltage:	AC 120 V/60 Hz		

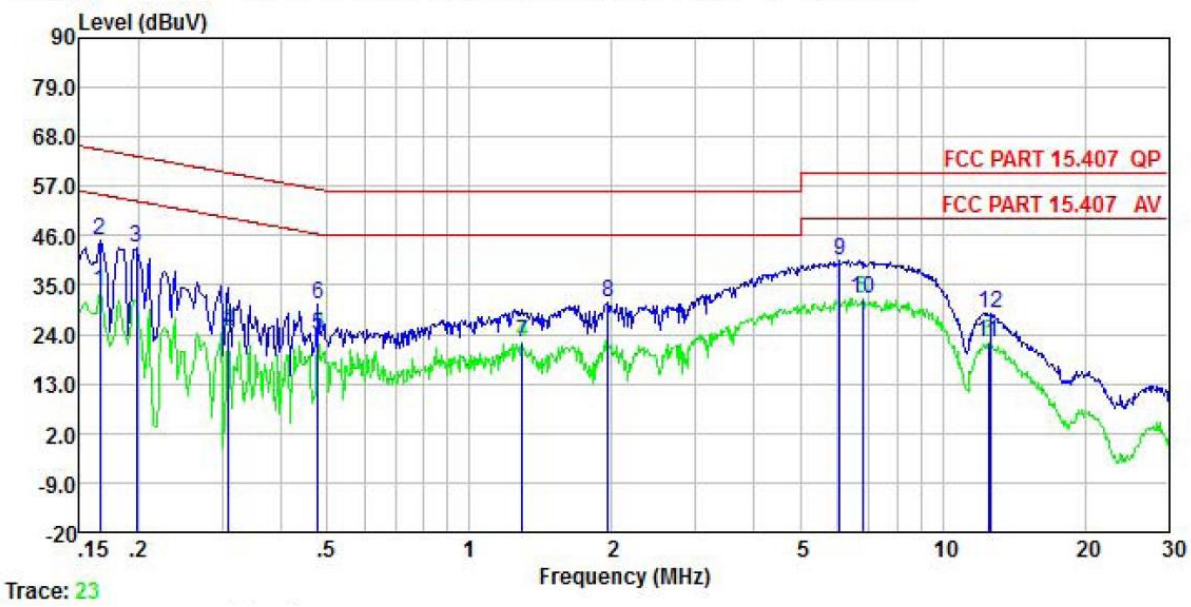


	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.174	33.14	0.04	0.01	33.19	54.77	-21.58	Average
2	0.174	45.81	0.04	0.01	45.86	64.77	-18.91	QP
3	0.214	28.66	0.04	0.03	28.73	53.05	-24.32	Average
4	0.249	39.03	0.04	0.01	39.08	61.78	-22.70	QP
5	0.481	32.59	0.04	0.03	32.66	56.32	-23.66	QP
6	1.810	23.84	0.07	0.19	24.10	46.00	-21.90	Average
7	6.698	32.95	0.15	0.10	33.20	50.00	-16.80	Average
8	6.733	41.29	0.15	0.10	41.54	60.00	-18.46	QP
9	12.649	24.27	0.24	0.11	24.62	50.00	-25.38	Average
10	13.551	41.97	0.25	0.12	42.34	60.00	-17.66	QP
11	22.655	16.96	0.34	0.16	17.46	60.00	-42.54	QP
12	22.775	10.56	0.35	0.16	11.07	50.00	-38.93	Average

Remark:

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

Product name:	Mobile Phone	Product model:	X663D
Test by:	Mike	Test mode:	NFC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz		



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.166	33.41	0.05	0.01	33.47	55.16	-21.69	Average
2	0.166	45.00	0.05	0.01	45.06	65.16	-20.10	QP
3	0.198	43.05	0.04	0.04	43.13	63.71	-20.58	QP
4	0.310	24.63	0.04	0.03	24.70	49.97	-25.27	Average
5	0.479	23.89	0.04	0.03	23.96	46.36	-22.40	Average
6	0.479	30.55	0.04	0.03	30.62	56.36	-25.74	QP
7	1.296	22.25	0.05	0.11	22.41	46.00	-23.59	Average
8	1.959	30.80	0.06	0.21	31.07	56.00	-24.93	QP
9	6.056	40.20	0.12	0.09	40.41	60.00	-19.59	QP
10	6.769	31.84	0.14	0.10	32.08	50.00	-17.92	Average
11	12.516	21.70	0.22	0.11	22.03	50.00	-27.97	Average
12	12.582	28.54	0.22	0.11	28.87	60.00	-31.13	QP

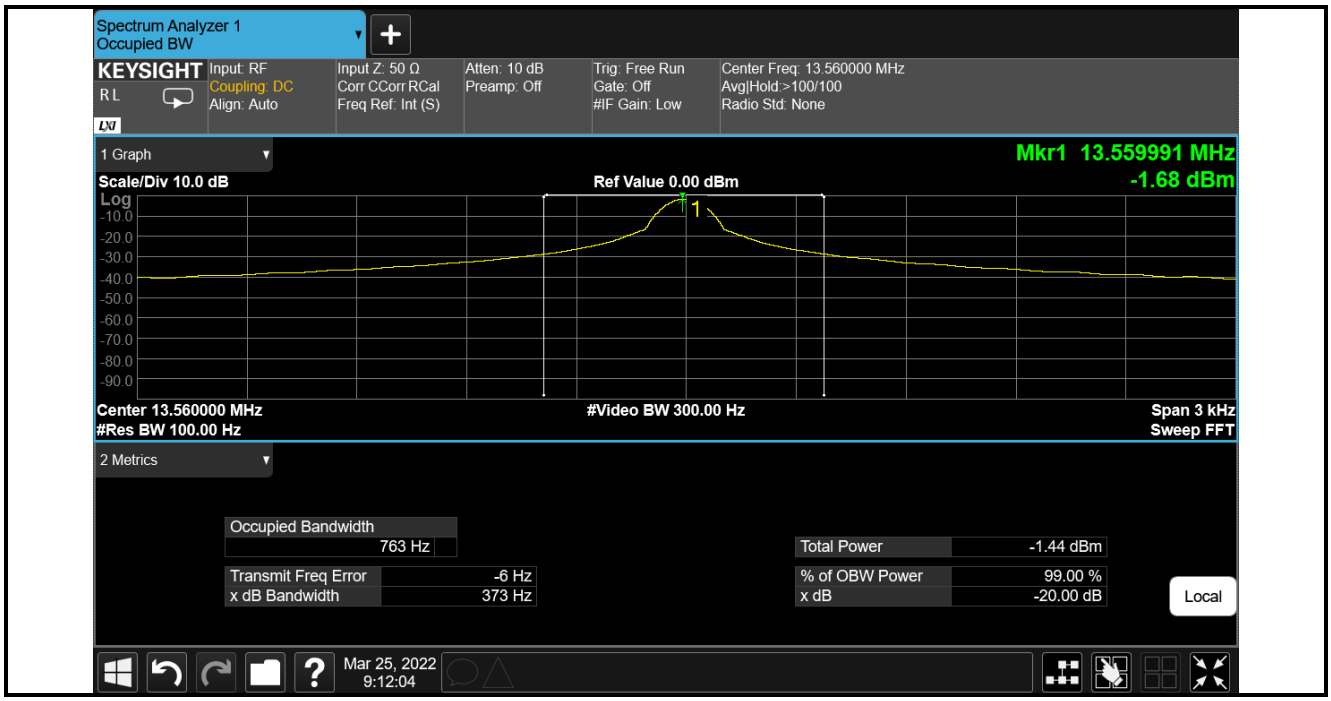
Remark:

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

6.4 20dB Bandwidth

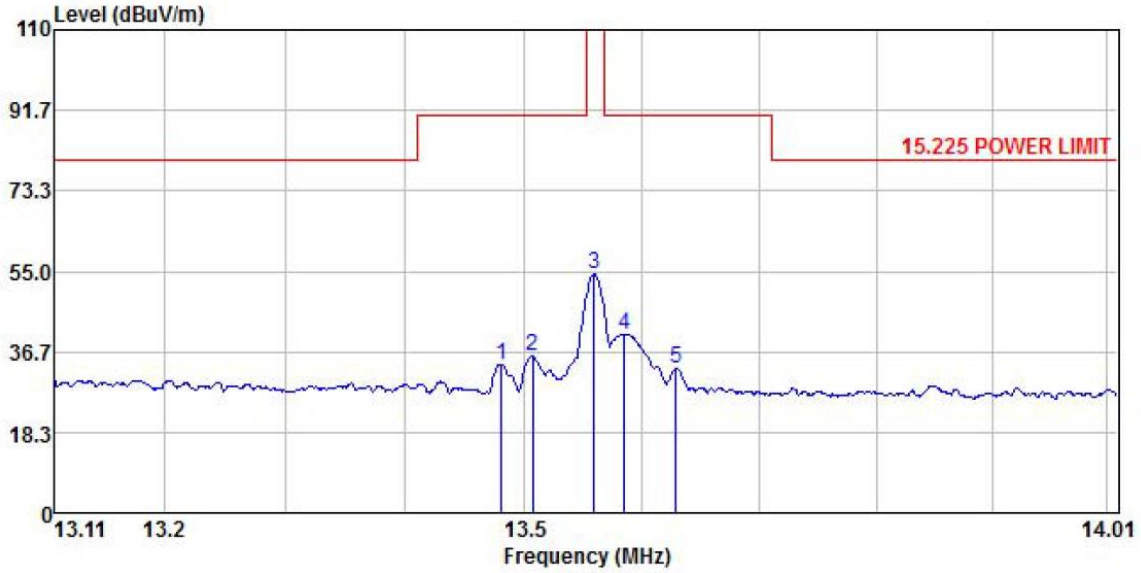
20dB bandwidth (kHz)	Limit (kHz)	Results
0.763	11.2	Passed
Note: *For 13.56MHz, permitted Band is 14 kHz, so the Limit is 11.2 kHz.*		

Test plot as follows:



6.5 Field Strength of Fundamental

Product Name:	Mobile Phone	Product Model:	X663D
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	13.56MHz	Polarization:	Coxial
Test Voltage:	AC 120/60Hz		

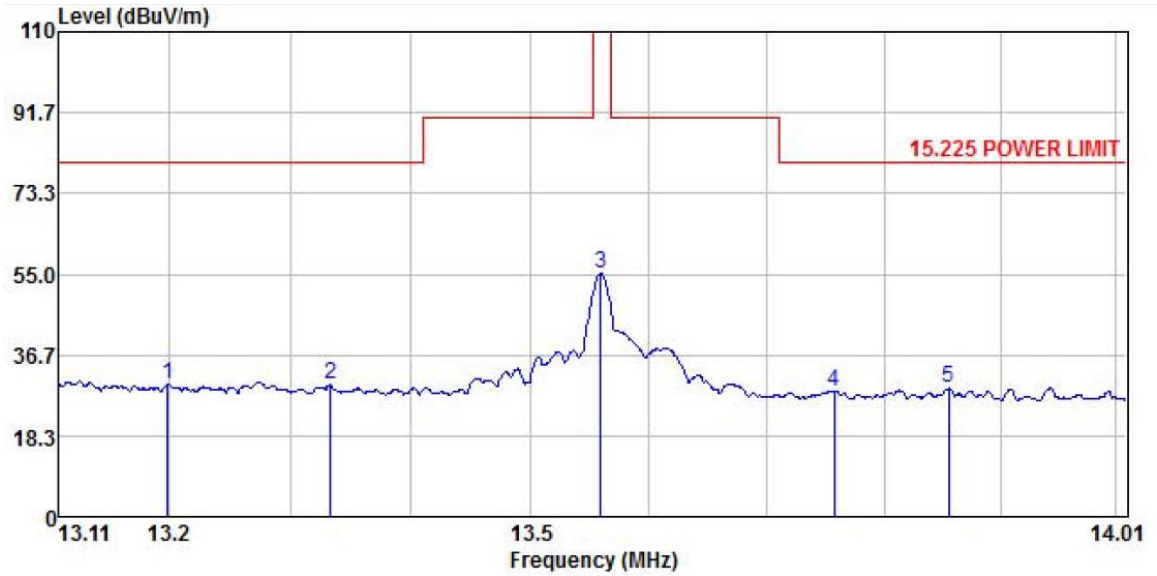


	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	13.481	13.85	19.61	0.41	0.00	33.87	90.50	-56.63	
2	13.507	15.55	19.59	0.41	0.00	35.55	90.50	-54.95	
3	13.559	34.42	19.59	0.41	0.00	54.42	124.00	-69.58	
4	13.585	20.79	19.59	0.41	0.00	40.79	90.50	-49.71	
5	13.628	12.87	19.57	0.42	0.00	32.86	90.50	-57.64	

Remark:

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

Product Name:	Mobile Phone	Product Model:	X663D
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	13.56MHz	Polarization:	Coplanar
Test Voltage:	AC 120/60Hz		



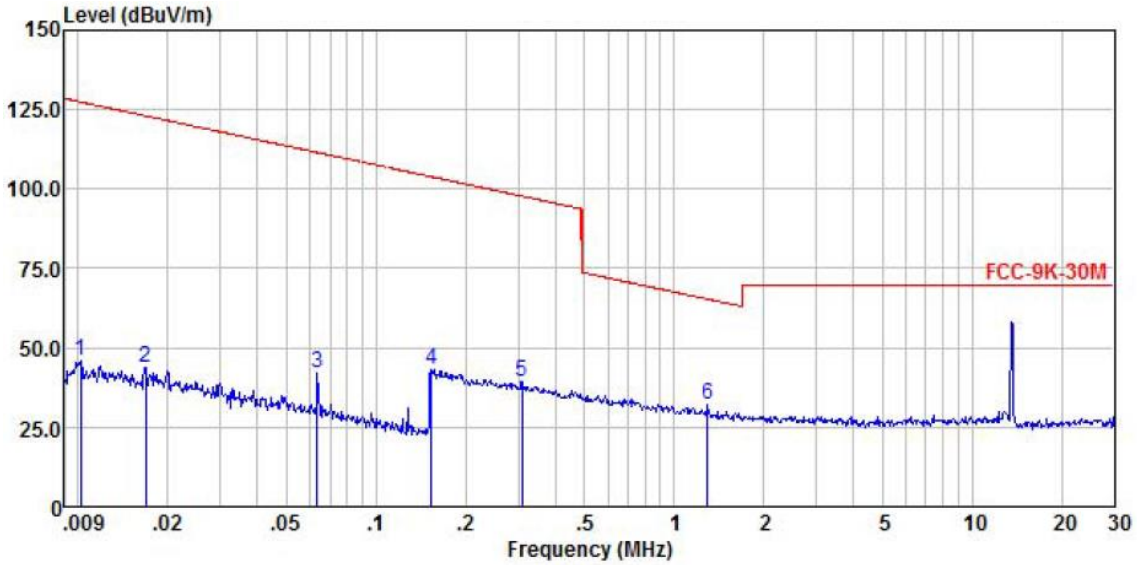
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	13.199	9.87	19.66	0.39	0.00	29.92	80.50	-50.58	
2	13.333	9.95	19.63	0.40	0.00	29.98	80.50	-50.52	
3	13.559	35.38	19.59	0.41	0.00	55.38	124.00	-68.62	
4	13.757	8.57	19.54	0.43	0.00	28.54	80.50	-51.96	
5	13.856	9.12	19.52	0.43	0.00	29.07	80.50	-51.43	

Remark:

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

6.6 Field Strength of Spurious Emissions

Product Name:	Mobile Phone	Product Model:	X663D
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	150 kHz – 30 MHz	Polarization:	Coxial
Test Voltage:	AC 120/60Hz		



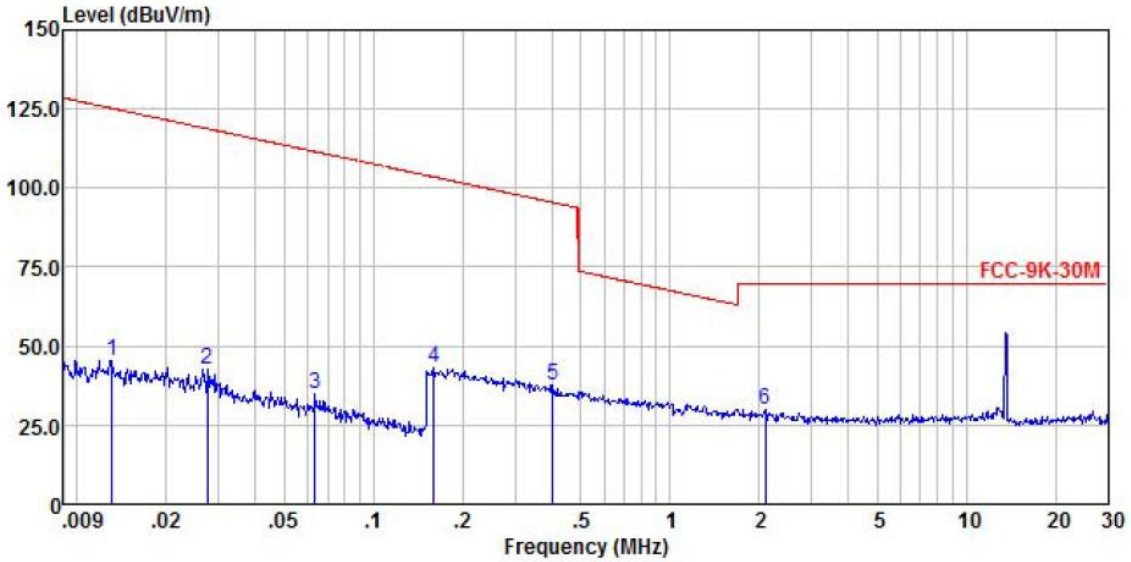
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.010	25.70	20.50	0.01	0.00	46.21	127.44	-81.23	
2	0.017	23.26	20.36	0.01	0.00	43.63	123.07	-79.44	
3	0.064	21.31	20.53	0.02	0.00	41.86	111.52	-69.66	
4	0.154	22.68	20.21	0.03	0.00	42.92	103.88	-60.96	
5	0.309	18.67	20.56	0.06	0.00	39.29	97.81	-58.52	
6	1.299	11.59	20.48	0.17	0.00	32.24	65.35	-33.11	

Remark:

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

2. The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, so not show in test report.

Product Name:	Mobile Phone	Product Model:	X663D
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	150 kHz – 30 MHz	Polarization:	Coplanar
Test Voltage:	AC 120/60Hz		



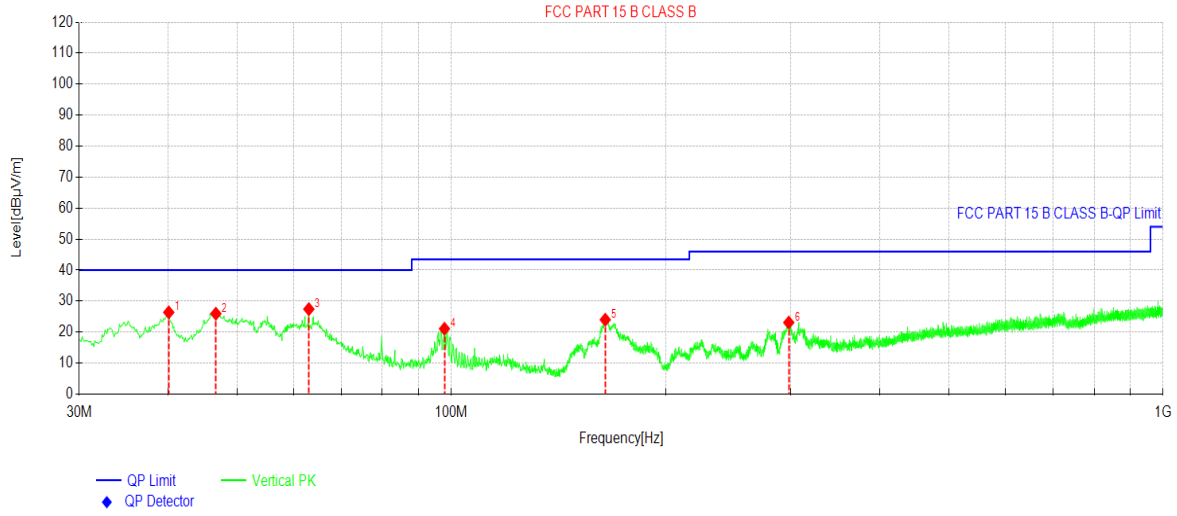
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.013	24.90	20.43	0.01	0.00	45.34	125.26	-79.92	
2	0.028	22.14	20.22	0.01	0.00	42.37	118.78	-76.41	
3	0.064	14.05	20.53	0.02	0.00	34.60	111.52	-76.92	
4	0.160	22.65	20.23	0.03	0.00	42.91	103.52	-60.61	
5	0.404	17.11	20.69	0.06	0.00	37.86	95.48	-57.62	
6	2.097	9.26	20.43	0.18	0.00	29.87	69.50	-39.63	

Remark:

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

2. The emission levels of 9 kHz~150 kHz are background noise and very lower than the limit, so not show in test report.

Product Name:	Mobile Phone	Product Model:	X663D
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz		



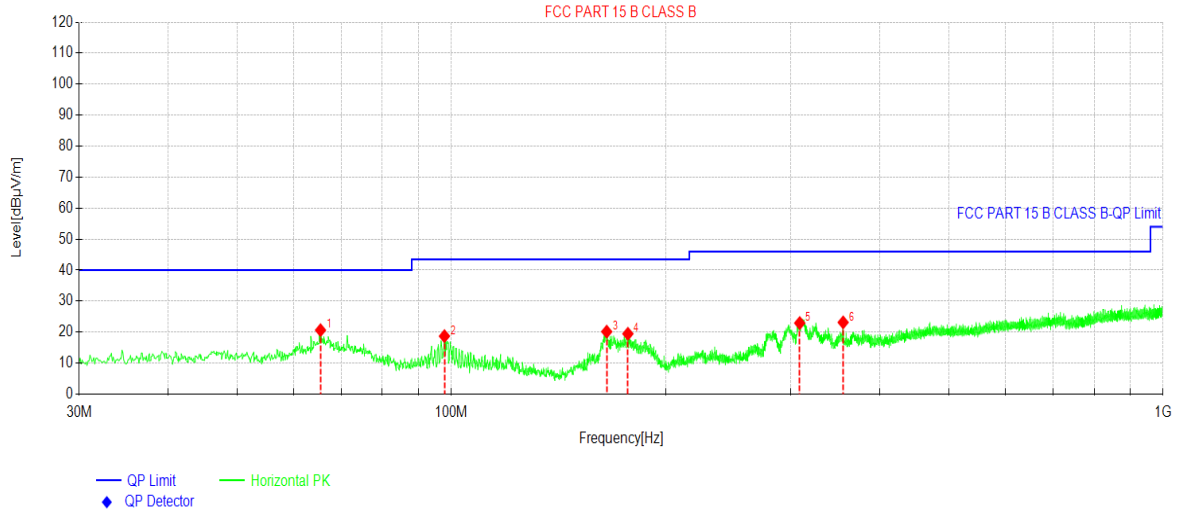
Suspected Data List

NO.	Freq. [MHz]	Reading[dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	40.0890	40.85	26.38	-14.47	40.00	13.62	PK	Vertical
2	46.6857	40.88	25.95	-14.93	40.00	14.05	PK	Vertical
3	63.0803	42.82	27.42	-15.40	40.00	12.58	PK	Vertical
4	97.8098	37.68	21.10	-16.58	43.50	22.40	PK	Vertical
5	164.552	41.23	24.00	-17.23	43.50	19.50	PK	Vertical
6	297.940	35.85	23.10	-12.75	46.00	22.90	PK	Vertical

Remark:

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

Product Name:	Mobile Phone	Product Model:	X663D
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz		



Suspected Data List								
NO.	Freq. [MHz]	Reading[dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	65.5056	36.40	20.64	-15.76	40.00	19.36	PK	Horizontal
2	97.8098	35.28	18.70	-16.58	43.50	24.80	PK	Horizontal
3	165.328	37.34	20.15	-17.19	43.50	23.35	PK	Horizontal
4	177.066	36.35	19.46	-16.89	43.50	24.04	PK	Horizontal
5	308.708	35.39	22.92	-12.47	46.00	23.08	PK	Horizontal
6	355.273	34.50	23.14	-11.36	46.00	22.86	PK	Horizontal

Remark:

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

6.7 Frequency Tolerance

Frequency Stability V.S. Temperature Measurement:

Voltage (Vdc)	Temperature (℃)	Frequency Tolerance (MHz)	Frequency Error (%)	Limit (%)	Results
3.87	-20	-0.000010	-0.00007	±0.01	Pass
	-10	-0.000013	-0.00010	±0.01	Pass
	0	0.000009	0.00007	±0.01	Pass
	+10	0.000015	0.00011	±0.01	Pass
	+20	-0.000006	0.00004	±0.01	Pass
	+30	0.000014	0.00010	±0.01	Pass
	+40	-0.000011	-0.00008	±0.01	Pass
	+50	0.000018	0.00013	±0.01	Pass

Frequency Stability V.S. Voltage Measurement:

Temperature (℃)	Voltage (Vdc)	Frequency Tolerance (MHz)	Frequency Error (%)	Limit (%)	Results
25.0	3.50	-0.000014	-0.00010	±0.01	Pass
	3.87	0.000008	0.00006	±0.01	Pass
	4.45	0.000016	0.00012	±0.01	Pass

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