FCC RF est Report

(NFC)

Applicant:	TECNO MOBILE LIMITED
Address of Applicant:	FLAT N 16/F BLOCK B UNIVERSAL INDUSTRIAL CENTRE 19-25 SHAN MEI STREET FOTAN NT HONGKONG
Equipment Under Test (EUT)	
Product Name:	Mobile Phone
Model No.:	AD10
Trade Mark:	TECNO
FCC ID:	2ADYY-AD10
Applicable Standards:	FCC CFR Title 47 Part 15C (§15.225)
Date of Sample Receipt:	29 Oct., 2022
Date of Test:	30 Oct., to 05 Dec., 2022
Date of Report Issue:	06 Dec., 2022
Test Result:	PASS

Tested by:	Mike.ou ***Test Engineer***	***Date:***	*06 Dec., 2022*
Reviewed by:	Winner Zhang ***Project Engineer***	***Date:***	*06 Dec., 2022*
Approved by:	***Manager***	***Date:***	*06 Dec., 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.

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1 Version

Version No.	Date	Description
00	*06 Dec., 2022*	*Original*

2 Contents

Page

3 General Information

3.1 Client Information

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

3.2 General Description of E.U.T.

Product Name:	Mobile Phone
Model No.:	AD10
Operation Frequency:	13.56MHz
Channel Numbers:	1
Modulation Type:	ASK
Antenna Type:	Induction Coil Antenna
Power Supply:	Rechargeable Li-ion Polymer Battery DC3.89V, 2550mAh & Rechargeable Li-ion Polymer Battery DC3.89V, 2310mAh
AC Adapter:	Model: U450TSA Input: AC100-240V, 50/60Hz, 1.8A Output: DC 5.0V, 2.0A or DC 11.0V, 4.1A 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
Remark: *Pre-scan The EUT was placed on three different polar directions tested: i.e. X axis, Y axis, Z axis, and found Y axis was worse case, so the report only reflects the worse axis tested data.*	
Operating Environment:	
Temperature:	15℃ ~ 35℃
Humidity:	20 % ~ 75 % RH
Atmospheric Pressure:	1008 mbar

3.4 Description of Test Auxiliary Equipment

The EUT has been tested as an independent unit.

3.5 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Conducted Emission for LISN (9kHz ~ 150kHz)	1.9 dB
Conducted Emission for LISN (150kHz ~ 30MHz)	2.6 dB
Radiated Emission (9kHz ~ 30MHz) (3m SAC)	3.8 dB
Radiated Emission (30MHz ~ 1GHz) (3m SAC)	3.6 dB
Radiated Emission (1GHz ~ 18GHz) (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.*	

3.6 Additions to, Deviations, or Exclusions From the Method

No

3.7 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

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	03-07-2022	03-06-2023
BiConiLog Antenna	Schwarzbeck	VULB9163	WXJ002	03-08-2022	03-07-2023
Pre-amplifier (30MHz ~ 1GHz)	Schwarzbeck	BBV9743B	WXJ001-2	01-20-2022	01-19-2023
EMI Test Receiver	Rohde & Schwarz	ESRP7	WXJ003-1	03-05-2022	03-04-2023
Coaxial Cable (9kHz ~ 30MHz)	JYT	JYT3M-1G-BB-5M	WXG001-6	01-20-2022	01-19-2023
Coaxial Cable (30MHz ~ 1GHz)	JYTSZ	JYT3M-1G-NN-8M	WXG001-4	01-20-2022	01-19-2023
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		

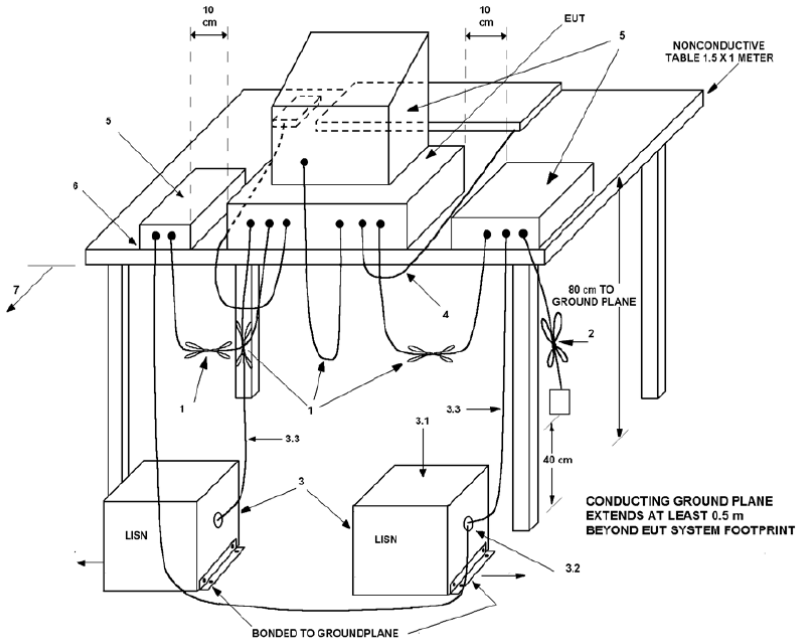
Conducted Emission:					
Test Equipment	**Manufacturer**	**Model No.**	**Manage No.**	**Cal. Date (mm-dd-yy)**	**Cal. Due date (mm-dd-yy)**
EMI Test Receiver	Rohde & Schwarz	ESR3	WXJ003-2	07-12-2022	07-11-2023
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	02-24-2022	02-23-2023
LISN	Rohde & Schwarz	ESH3-Z5	WXJ005-1	03-30-2022	03-29-2023
LISN Coaxial Cable (9kHz ~ 30MHz)	JYTSZ	JYTCE-1G-NN-2M	WXG003-1	02-24-2022	02-23-2023
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)**
EMI Test Receiver	Rohde & Schwarz	ESCI 3	WXJ003	01-19-2022	01-18-2023

4 Measurement Setup and Procedure

4.1 Test Setup

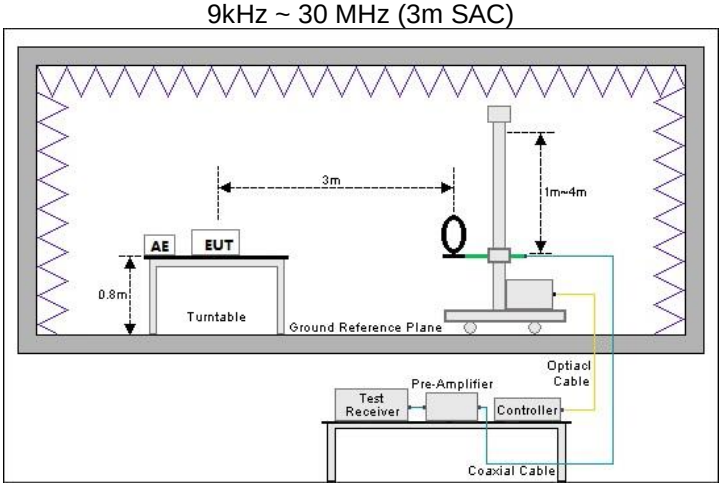
1) Conducted emission measurement:



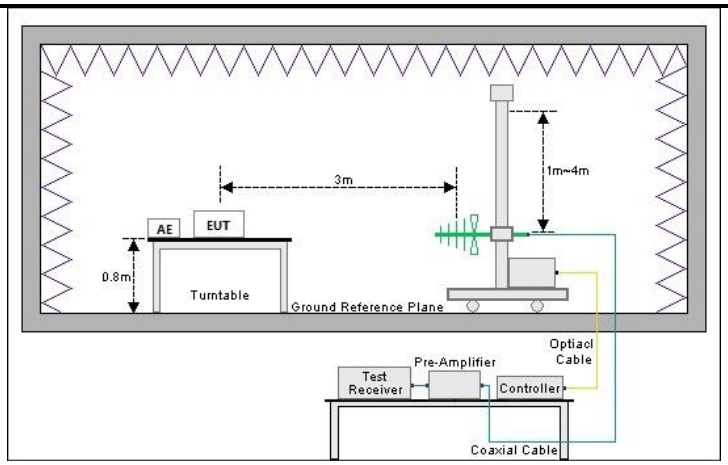
Note: The detailed descriptions please refer to Figure 8 of ANSI C63.4:2014.

2) Radiated emission measurement:

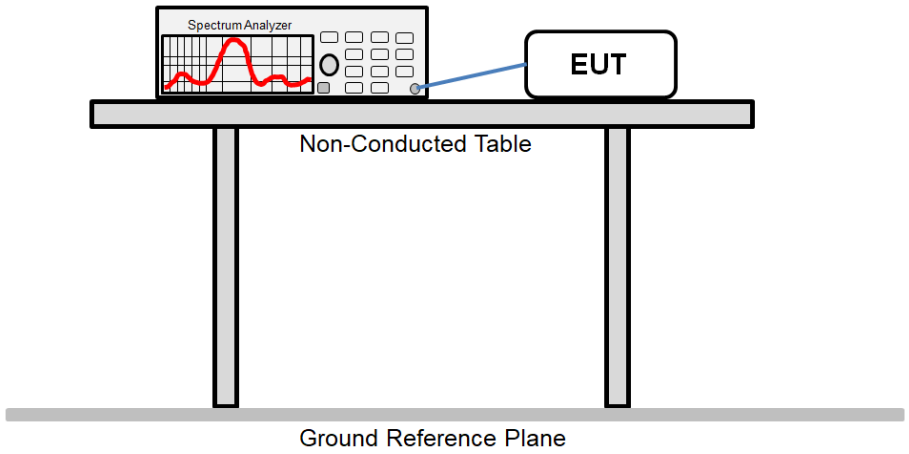
9kHz ~ 30 MHz (3m SAC)



30 MHz ~ 1GHz (3m SAC)


3m
1m~4m
AE
EUT
0.8m
Turntable
Ground Reference Plane
Optiacl Cable
Pre-Amplifier
Test Receiver
Controller
Coaxial Cable

Conducted test method:



4.2 Test Procedure

Test method	Test step
Conducted emission	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 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.

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	15.225 (a)(b)(c)	See Section 5.5	Pass
Field Strength of Spurious Emissions	15.209 15.225 (d)	See Section 5.6	Pass
Frequency Tolerance	15.225 (e)	See Section 5.7	Pass
Remark: *1. Pass: The EUT complies with the essential requirements in the standard.*			
Test Method:	*ANSI C63.10-2013*		

5.1.2 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

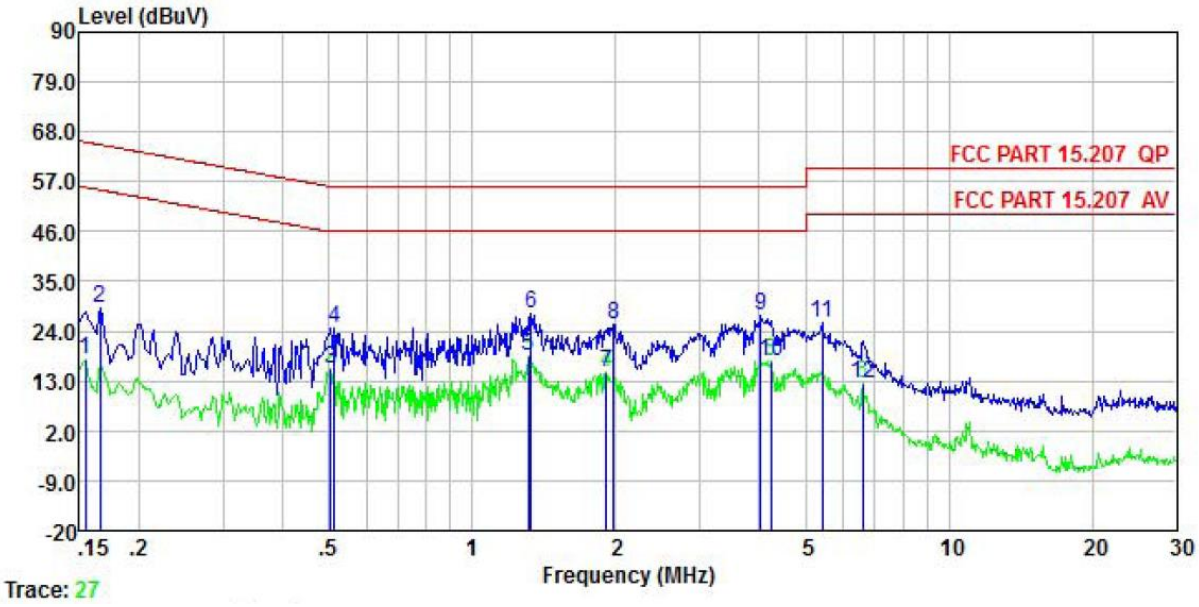
Field Strength of Spurious Emissions</td><td>
(a) The field strength of any emissions within the band 13.553-13.567 MHz shall not exceed 15,848 microvolts/meter at 30 meters.
(b) Within the bands 13.410-13.553 MHz and 13.567-13.710 MHz, the field strength of any emissions shall not exceed 334 microvolts/meter 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>

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 an induction coil antenna.

5.3 AC Power Line Conducted Emission

Product name:	Mobile Phone	**Product model:**	AD10
Test by:	Mike	**Test mode:**	NFC mode
Test frequency:	150 kHz ~ 30 MHz	**Phase:**	Line
Test voltage:	AC 120 V/60 Hz		

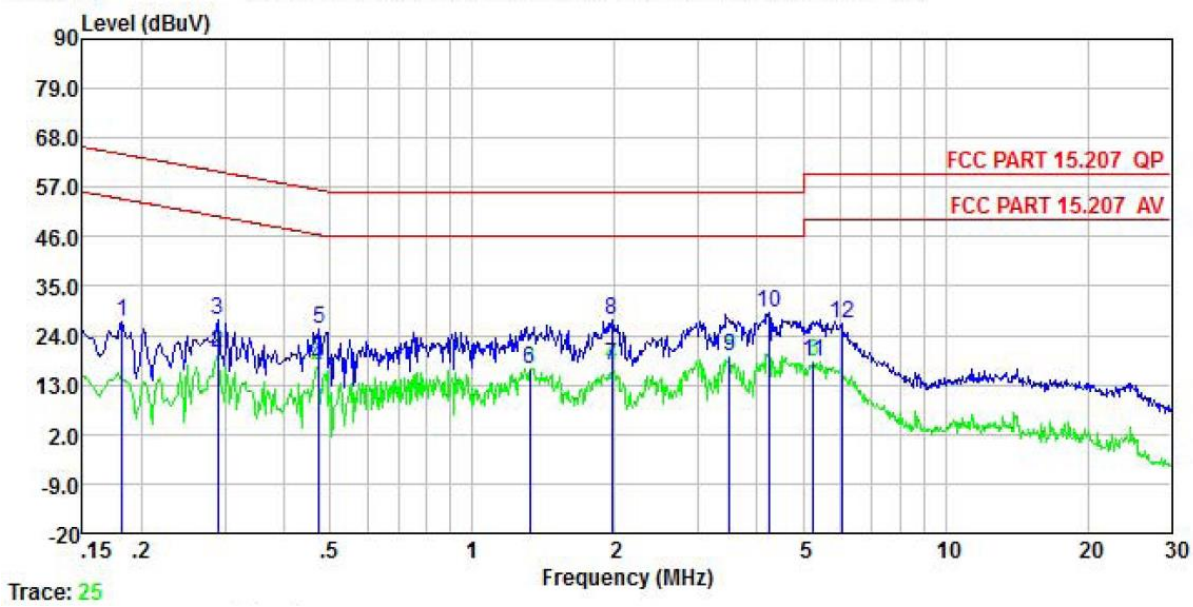


	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.154	7.20	0.04	0.01	17.75	55.78	-38.03	Average
2	0.166	18.57	0.04	0.01	29.12	65.16	-36.04	QP
3	0.505	5.30	0.05	0.03	15.88	46.00	-30.12	Average
4	0.513	14.09	0.05	0.03	24.67	56.00	-31.33	QP
5	1.310	7.85	0.07	0.11	18.53	46.00	-27.47	Average
6	1.331	17.17	0.07	0.12	27.86	56.00	-28.14	QP
7	1.908	3.96	0.08	0.20	14.74	46.00	-31.26	Average
8	1.980	14.65	0.08	0.21	25.44	56.00	-30.56	QP
9	4.027	16.66	0.11	0.08	27.35	56.00	-28.65	QP
10	4.224	6.71	0.11	0.08	17.40	46.00	-28.60	Average
11	5.419	15.05	0.13	0.09	25.77	60.00	-34.23	QP
12	6.592	1.52	0.16	0.10	12.28	50.00	-37.72	Average

Remark:

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

Product name:	Mobile Phone	Product model:	AD10
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	0.182	16.43	0.05	0.01	26.99	64.42	-37.43	QP
2	0.289	9.62	0.05	0.03	20.20	50.54	-30.34	Average
3	0.289	16.96	0.05	0.03	27.54	60.54	-33.00	QP
4	0.471	6.81	0.04	0.03	17.38	46.49	-29.11	Average
5	0.474	14.72	0.04	0.03	25.29	56.45	-31.16	QP
6	1.324	5.86	0.06	0.11	16.53	46.00	-29.47	Average
7	1.970	6.43	0.07	0.21	17.21	46.00	-28.79	Average
8	1.970	16.55	0.07	0.21	27.33	56.00	-28.67	QP
9	3.491	8.63	0.10	0.08	19.31	46.00	-26.69	Average
10	4.224	18.56	0.10	0.08	29.24	56.00	-26.76	QP
11	5.249	7.37	0.12	0.09	18.08	50.00	-31.92	Average
12	6.024	16.01	0.14	0.09	26.74	60.00	-33.26	QP

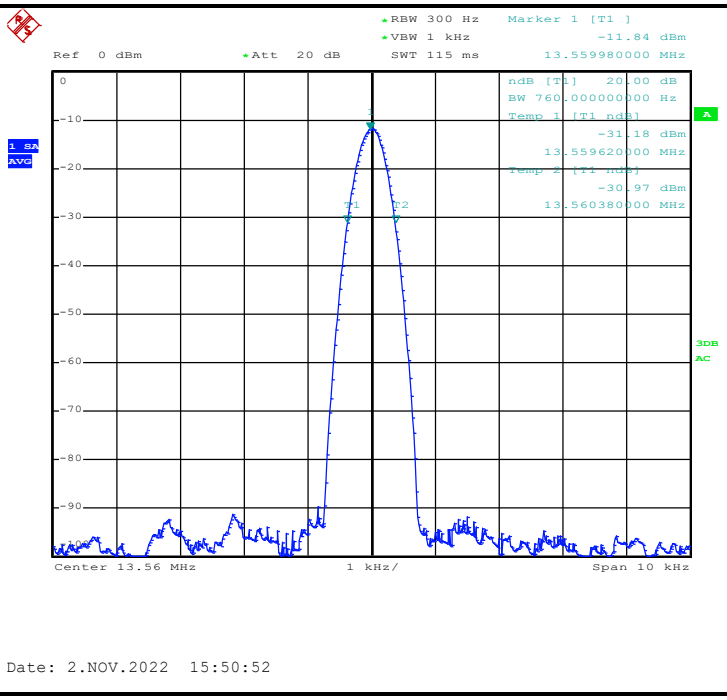
Remark:

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

5.4 20dB Bandwidth

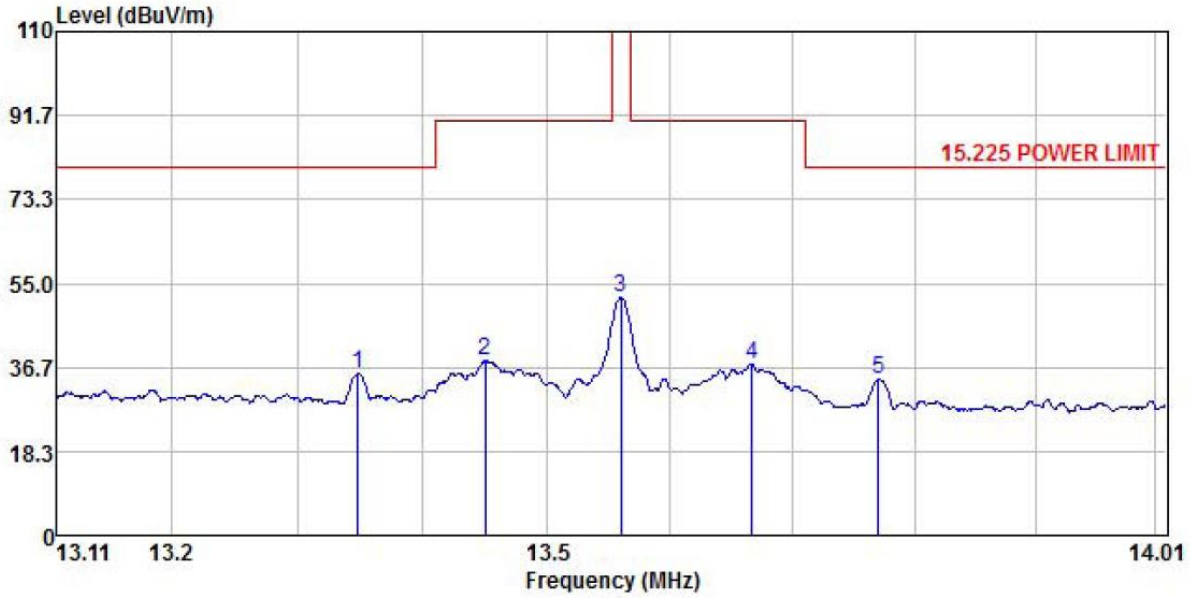
20dB bandwidth (kHz)	Limit (kHz)	Results
0.760	11.2	Pass
Note: *For 13.56MHz, permitted Band is 14 kHz, so the Limit is 11.2 kHz.*		

Test plot as follows:



5.5 Field Strength of Fundamental

Product Name:	Mobile Phone	Product Model:	AD10
Test By:	Mike	Test mode:	NFC Tx mode
Test Voltage:	DC 3.89V	Polarization:	Vertical

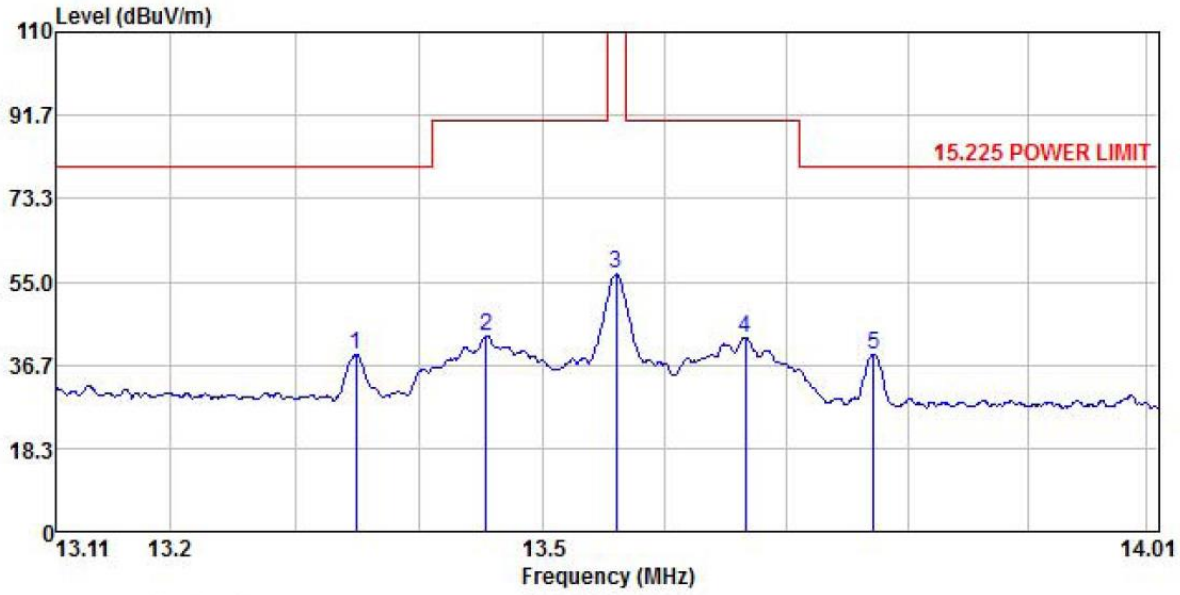


	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	13.348	15.20	19.63	0.40	0.00	35.23	80.50	-45.27	Peak
2	13.450	17.96	19.61	0.41	0.00	37.98	90.50	-52.52	Peak
3	13.560	31.90	19.59	0.41	0.00	51.90	124.00	-72.10	Peak
4	13.666	17.53	19.57	0.42	0.00	37.52	90.50	-52.98	Peak
5	13.770	14.05	19.54	0.43	0.00	34.02	80.50	-46.48	Peak

Remark:

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

Product Name:	Mobile Phone	Product Model:	AD10
Test By:	Mike	Test mode:	NFC Tx mode
Test Voltage:	DC 3.89V	Polarization:	Horizontal



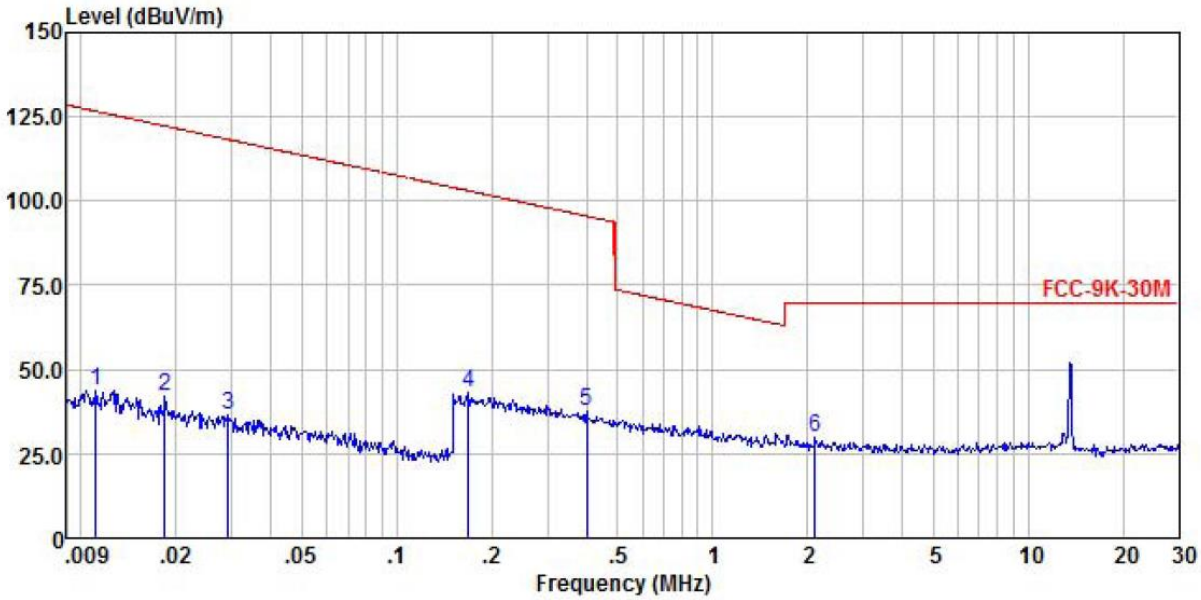
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	13.349	19.00	19.63	0.40	0.00	39.03	80.50	-41.47	Peak
2	13.454	23.16	19.61	0.41	0.00	43.18	90.50	-47.32	Peak
3	13.560	36.69	19.59	0.41	0.00	56.69	124.00	-67.31	Peak
4	13.665	22.83	19.57	0.42	0.00	42.82	90.50	-47.68	Peak
5	13.772	19.11	19.54	0.43	0.00	39.08	80.50	-41.42	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:	AD10
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	9 kHz – 30 MHz	Polarization:	Coxial
Test Voltage:	DC 3.89V		



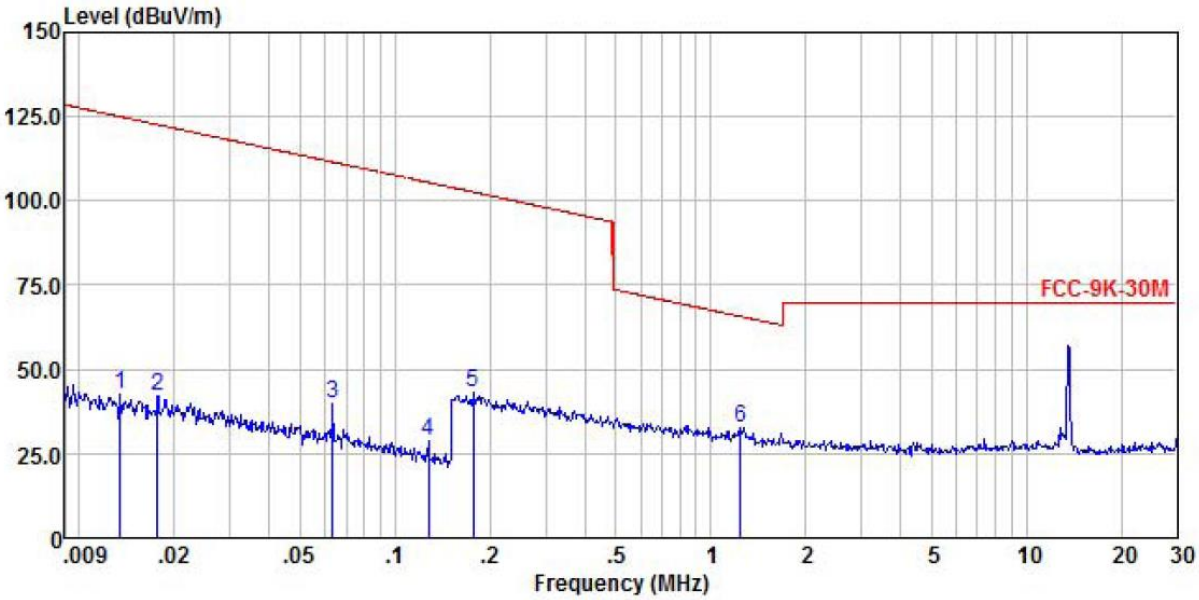
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.011	23.33	20.47	0.01	0.00	43.81	126.67	-82.86	Peak
2	0.018	21.54	20.33	0.01	0.00	41.88	122.30	-80.42	Peak
3	0.029	16.57	20.21	0.01	0.00	36.79	118.28	-81.49	Peak
4	0.168	22.66	20.26	0.03	0.00	42.95	103.10	-60.15	Peak
5	0.401	16.74	20.69	0.06	0.00	37.49	95.55	-58.06	Peak
6	2.114	9.48	20.43	0.18	0.00	30.09	69.50	-39.41	Peak

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:	AD10
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	9 kHz – 30 MHz	Polarization:	Coplanar
Test Voltage:	DC 3.89V		



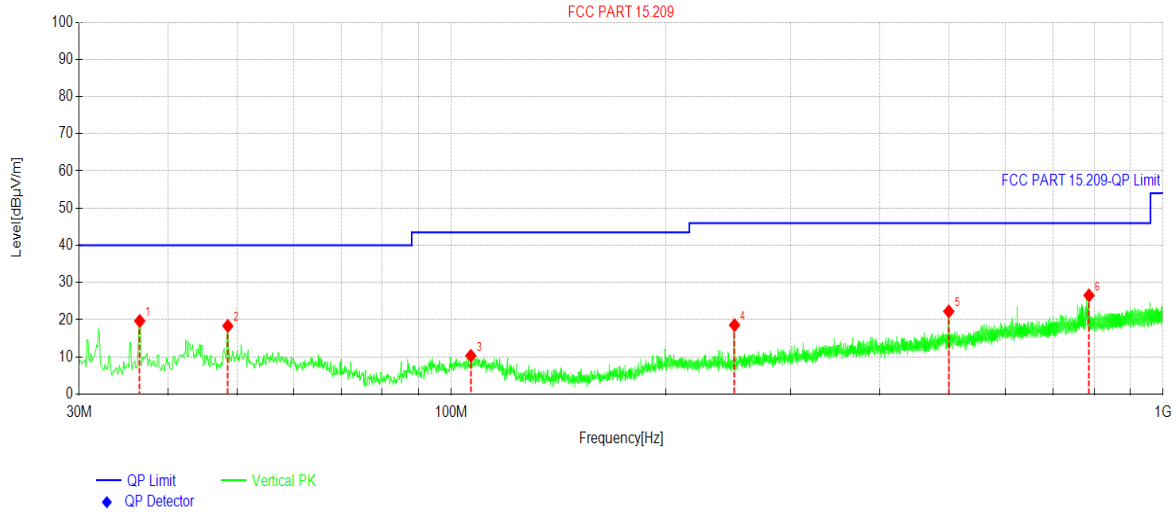
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.014	22.09	20.42	0.01	0.00	42.52	124.98	-82.46	Peak
2	0.018	21.51	20.34	0.01	0.00	41.86	122.65	-80.79	Peak
3	0.064	19.38	20.53	0.02	0.00	39.93	111.52	-71.59	Peak
4	0.128	8.55	19.94	0.03	0.00	28.52	105.50	-76.98	Peak
5	0.177	22.89	20.28	0.04	0.00	43.21	102.68	-59.47	Peak
6	1.248	12.10	20.48	0.17	0.00	32.75	65.70	-32.95	Peak

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:	AD10
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Vertical
Test Voltage:	DC 3.89V		



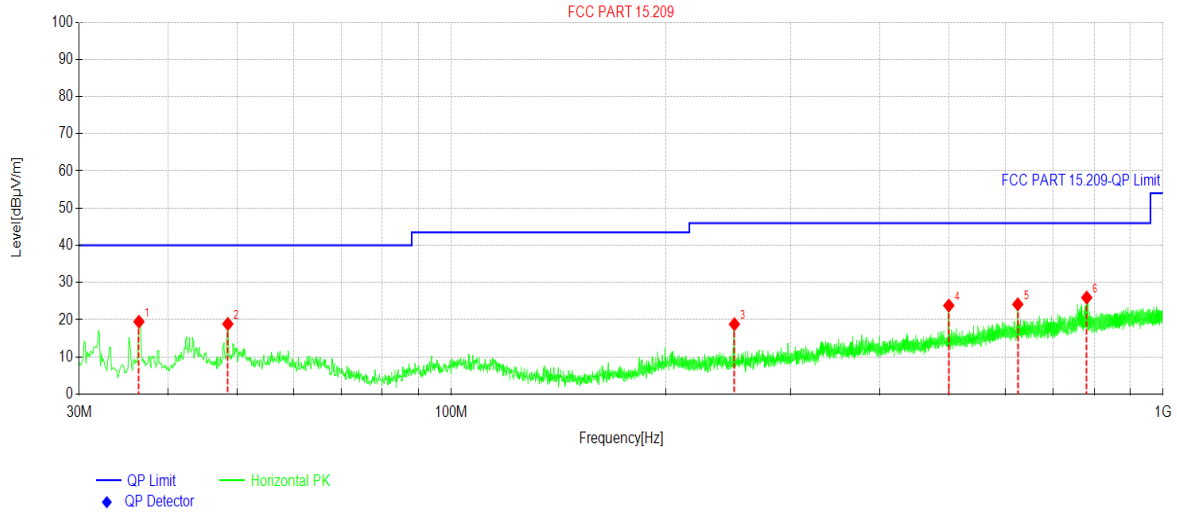
Suspected Data List

NO.	Freq. [MHz]	Reading[dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	36.4997	34.58	19.66	-14.92	40.00	20.34	PK	Vertical
2	48.5289	31.11	18.33	-12.78	40.00	21.67	PK	Vertical
3	106.540	24.92	10.31	-14.61	43.50	33.19	PK	Vertical
4	250.018	32.56	18.56	-14.00	46.00	27.44	PK	Vertical
5	500.012	31.23	22.24	-8.99	46.00	23.76	PK	Vertical
6	787.063	30.64	26.55	-4.09	46.00	19.45	PK	Vertical

Remark:

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

Product Name:	Mobile Phone	Product Model:	AD10
Test By:	Mike	Test mode:	NFC Tx mode
Test Frequency:	30 MHz – 1000 MHz	Polarization:	Horizontal
Test Voltage:	DC 3.89V		



Suspected Data List

NO.	Freq. [MHz]	Reading[dBµV/m]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Trace	Polarity
1	36.4026	34.43	19.48	-14.95	40.00	20.52	PK	Horizontal
2	48.5289	31.64	18.86	-12.78	40.00	21.14	PK	Horizontal
3	249.921	32.80	18.80	-14.00	46.00	27.20	PK	Horizontal
4	500.012	32.81	23.82	-8.99	46.00	22.18	PK	Horizontal
5	625.057	30.47	24.15	-6.32	46.00	21.85	PK	Horizontal
6	781.243	30.15	25.95	-4.20	46.00	20.05	PK	Horizontal

Remark:

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

5.7 Frequency Tolerance

Frequency Stability V.S. Temperature Measurement:

Voltage (Vdc)	Temperature (℃)	Frequency Tolerance (kHz)	Frequency Error (%)	Limit (%)	Results
3.89	-20	-0.036	-0.0003	±0.01	Pass
	-10	-0.042	-0.0003	±0.01	Pass
	0	-0.037	-0.0003	±0.01	Pass
	+10	-0.310	-0.0023	±0.01	Pass
	+20	-0.040	-0.0003	±0.01	Pass
	+30	-0.026	-0.0002	±0.01	Pass
	+40	0.019	0.0001	±0.01	Pass
	+50	-0.028	-0.0002	±0.01	Pass

Frequency Stability V.S. Voltage Measurement:

Temperature (℃)	Voltage (Vdc)	Frequency Tolerance (kHz)	Frequency Error (%)	Limit (%)	Results
25.0	3.45	-0.040	0.000	±0.01	Pass
	4.48	-0.032	0.000	±0.01	Pass
	3.89	-0.036	0.000	±0.01	Pass

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