

FCC TEST REPORT

FOR

Plus One Marketing Ltd.

Smart phone

Test Model: FTU152D

Prepared for : Plus One Marketing Ltd.
Address : Sumitomofudosan Hibiya building 2F, 2-8-6 Shinbashi, Minatoku,
Tokyo, Japan

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : December 21, 2015
Number of tested samples : 1
Sample number : 15121720
Date of Test : January 04, 2016 – January 20, 2016
Date of Report : January 20, 2016

FCC TEST REPORT
FCC CFR 47 PART 15 C (15.225)-2015**Report Reference No. : LCS1512211982E**

Date of Issue : January 20, 2016

Testing Laboratory Name..... : Shenzhen LCS Compliance Testing Laboratory Ltd.Address : 1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue,
Bao'an District, Shenzhen, Guangdong, ChinaTesting Location/ Procedure..... : Full application of Harmonised standards ☒Partial application of Harmonised standards ☐Other standard testing method ☐**Applicant's Name..... : Plus One Marketing Ltd.**Address : Sumitomofudosan Hibiya building 2F, 2-8-6 Shinbashi,
Minatoku, Tokyo, Japan**Test Specification**

Standard : FCC CFR 47 PART 15 C(15.225)-2015

Test Report Form No..... : LCSEMC-1.0

TRF Originator : Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF : Dated 2011-03

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Test Item Description. : Smart phone

Trade Mark : FREETEL

Test Model..... : FTU152D

Ratings : DC 3.8V by Li-ion Battery(3450mAh)

Recharge Voltage: DC 5V/1500mA or DC 7V/1500mA

Result : **Positive****Compiled by:**

Leo Lee/ File administrators

Supervised by:

Glin Lu/ Technique principal

Approved by:

Gavin Liang/ Manager

FCC -- TEST REPORT

Test Report No. : LCS1512211982E	<u>January 20, 2016</u> Date of issue
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Test Model.....	: FTU152D
EUT.....	: Smart phone
Applicant.....	: Plus One Marketing Ltd.
Address.....	: Sumitomofudosan Hibiya building 2F, 2-8-6 Shinbashi, Minatoku, Tokyo, Japan
Telephone.....	: /
Fax.....	: /
Manufacturer.....	: Toro-tech Company Limited
Address.....	: A802, Block2, Tianan Cyberpark, Longgang, Shenzhen, China
Telephone.....	: /
Fax.....	: /
Factory.....	: Toro-tech Company Limited
Address.....	: A802, Block2, Tianan Cyberpark, Longgang, Shenzhen, China
Telephone.....	: /
Fax.....	: /

Test Result	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. GENERAL INFORMATION

1.1 Description of Device (EUT)

EUT	: Smart phone
Test Model	: FTU152D
Hardware Version	: Y991_MB_V3.1
Software Version	: Freetel_FTU152D_20151208
Power Supply	: DC 3.8V by Li-ion Battery(3450mAh) Recharge Voltage: DC 5V/1500mA or DC 7V/1500mA
EUT Supports	: GSM/GPRS/EGPRS/WCDMA/HSDPA/HSUPA/LTE/
Radios Application	2.4GHz WIFI/5GHz WIFI/Bluetooth/GPS(RX Only)/NFC
NFC	:
Operating Frequency	: 13.56MHz
Channel Number	: 1
Modulation Type	: ASK
Antenna Description	: Loop Antenna, 0dBi(Max.)

1.2 Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN LIANXUNFA TECHNOLOG Y CO.,LTD	Adapter	LX15026R	/	VOC

1.3 External I/O

I/O Port Description	Quantity	Cable
Earphone Jack	1	1.2m, unshielded
USB Port	1	1.2m, unshielded

1.4 Description of Test Facility

CNAS Registration Number. is L4595.

FCC Registration Number. is 899208.

Industry Canada Registration Number. is 9642A-1.

VCCI Registration Number. is C-4260 and R-3804.

ESMD Registration Number. is ARCB0108.

UL Registration Number. is 100571-492.

TUV SUD Registration Number. is SCN1081.

TUV RH Registration Number. is UA 50296516-001

There is one 3m semi-anechoic chamber and one line conducted labs for final test. The Test Sites meet the requirements in documents ANSI C63.4:2014, CISPR 22/EN 55022 and CISPR16-4-1 SVSWR requirements.

1.5 List Of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal Date	Due Date
EMC Receiver	R&S	ESCS 30	100174	9kHz – 2.75GHz	June 18,2015	June 17,2016
Signal analyzer	Agilent	E4448A(External mixers to 40GHz)	US44300469	9kHz~40GHz	July 16,2015	July 15,2016
LISN	MESS Tec	NNB-2/16Z	99079	9KHz-30MHz	June 18,2015	June 17,2016
LISN (Support Unit)	EMCO	3819/2NM	9703-1839	9KHz-30MHz	June 18,2015	June 17,2016
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9KHz-30MHz	June 18,2015	June 17,2016
ISN	SCHAFFNER	ISN ST08	21653	9KHz-30MHz	June 18,2015	June 17,2016
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30M-1GHz 3m	June 18,2015	June 17,2016
Amplifier	SCHAFFNER	COA9231A	18667	9kHz-2GHz	June 18,2015	June 17,2016
Amplifier	Agilent	8449B	3008A02120	1GHz-26.5GHz	July 16,2015	July 15,2016
Amplifier	MITEQ	AMF-6F-260400	9121372	26.5GHz-40GHz	July 16,2015	July 15,2016
Spectrum Analyzer	Agilent	E4407B	MY41440292	9k-26.5GHz	July 16,2015	July 15,2016
MAX Signal Analyzer	Agilent	N9020A	MY50510140	20Hz~26.5GHz	Oct. 27, 2015	Oct. 26, 2016
Loop Antenna	R&S	HFH2-Z2	860004/001	9k-30MHz	June 18,2015	June 17,2016
By-log Antenna	SCHWARZBECK	VULB9163	9163-470	30MHz-1GHz	June 10,2015	June 09,2016
Horn Antenna	EMCO	3115	6741	1GHz-18GHz	June 10,2015	June 09,2016
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz-40GHz	June 10,2015	June 09,2016
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz-1GHz	June 18,2015	June 17,2016
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1GHz-40GHz	June 18,2015	June 17,2016
Power Meter	R&S	NRVS	100444	DC-40GHz	June 18,2015	June 17,2016
Power Sensor	R&S	NRV-Z51	100458	DC-30GHz	June 18,2015	June 17,2016
Power Sensor	R&S	NRV-Z32	10057	30MHz-6GHz	June 18,2015	June 17,2016
RF CABLE-1m	JYE Bao	RG142	CB034-1m	20MHz-7GHz	June 18,2015	June 17,2016
RF CABLE-2m	JYE Bao	RG142	CB035-2m	20MHz-1GHz	June 18,2015	June 17,2016
DC power Source	GW	GPC-6030D	C671845	/	June 18,2015	June 17,2016
Temperature & Humidity Chamber	Wuhuan	HTP205	/	/	June 18,2015	June 17,2016

Note: All equipment through GRGT EST calibration

1.6 Statement of The Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

1.7 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty	Note
Radiation Uncertainty :	9KHz~30MHz	3.10dB	(1)
	30MHz~200MHz	2.96dB	(1)
	200MHz~1000MHz	3.10dB	(1)
	1GHz~26.5GHz	3.80dB	(1)
	26.5GHz~40GHz	3.90dB	(1)
Conduction Uncertainty :	150kHz~30MHz	1.63dB	(1)
Power disturbance :	30MHz~300MHz	1.60dB	(1)

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

1.8 Description of Test Modes

For pre-testing, when performed power line conducted emission measurement, the input Voltage/Frequency AC 120V/60Hz and AC 240V/60Hz were used. Only recorded the worst case in this report.

The EUT was operated in the engineering mode. This test was performed with EUT in X, Y, Z position and the worse case was found when EUT in Y position.

1.9 Summary Of Test Result

Test Items	FCC Rules	Result
Line Conducted Emissions	15.207	PASS
Field Strength of Fundamental Emissions	15.225(a)(b)(c)	PASS
Radiated Emissions	15.225(d) & 15.209	PASS
20dB Bandwidth	2.1049	PASS
Frequency Stability	15.225(e)	PASS
Antenna Requirement	15.203	PASS

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.10: 2013, FCC CFR PART 15C 15.225.

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

2.2 EUT Exercise

The EUT was operated in the engineering mode to fix the TX frequency that was for the purpose of the measurements.

According to its specifications, the EUT must comply with the requirements of the Section 15.225 under the FCC Rules Part 15 Subpart C.

2.3 General Test Procedures

2.3.1 Conducted Emissions

According to the requirements in Section 6.2 of ANSI C63.10: 2013, AC power-line conducted emissions shall be measured in the frequency range between 0.15 MHz and 30MHz using Quasi-peak and average detector modes.

2.3.2 Radiated Emissions

The EUT is placed on a turn table and the turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 6.3 of ANSI C63.10: 2013

3. SYSTEM TEST CONFIGURATION

3.1 Justification

N/A.

3.2 EUT Exercise Software

N/A.

3.3 Special Accessories

N/A.

3.4 Block Diagram/Schematics

Please refer to the report.

3.5 Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

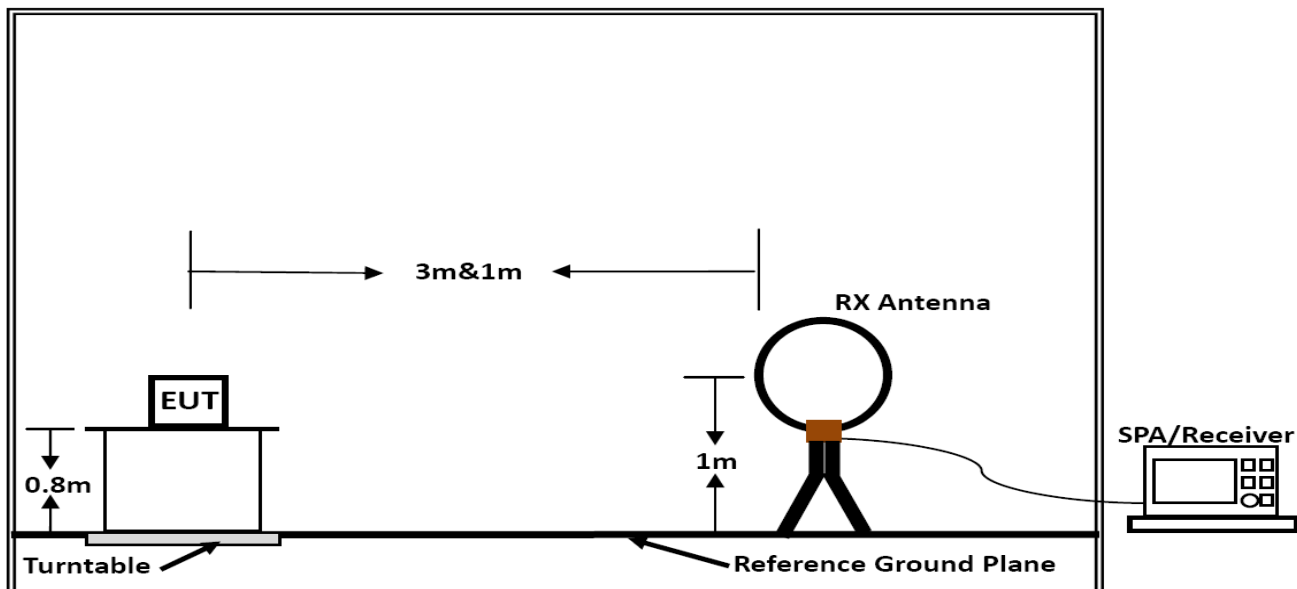
3.6 Test Setup

Please refer to the test setup photo.

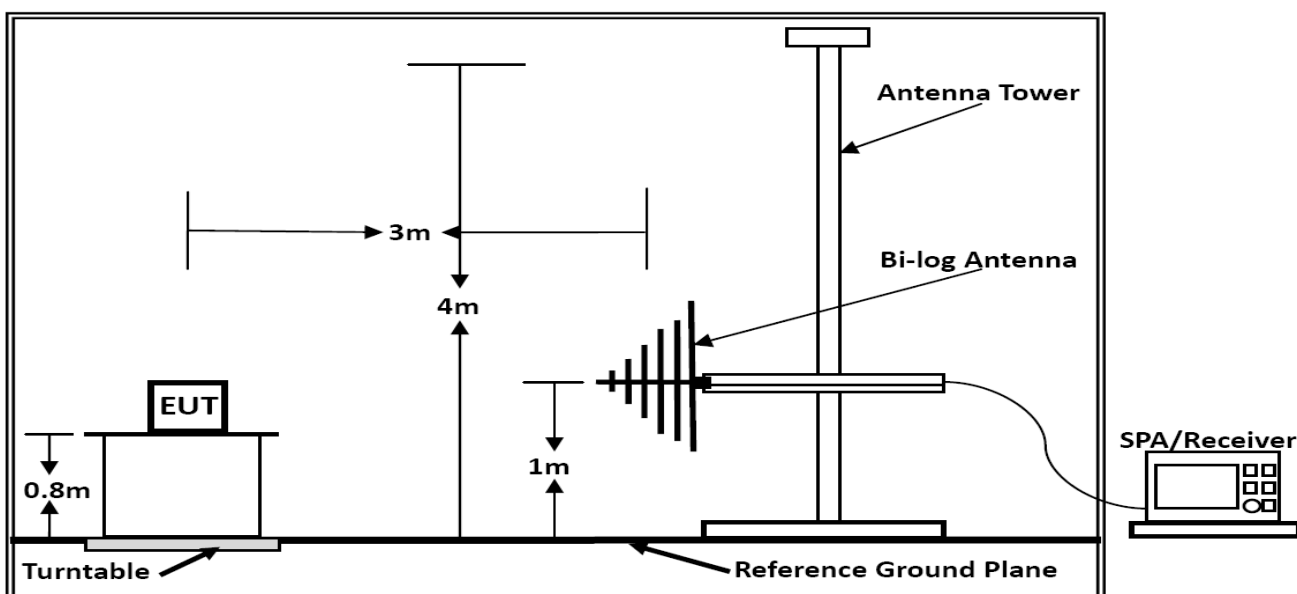
4. RADIATED MEASUREMENT

4.1 Radiated Emission

4.1.1 Block Diagram of Test Setup



Below 30MHz



Below 1GHz

4.1.2 Radiated Emission Limit

15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
\1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(\2\)
13.36-13.41			

\1\ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

\2\ Above 38.6

Part 15.205 (b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector.

According to Part 15.225 (a), the field strength of any emissions which appear outside of 13.553 ~ 13.567MHz band shall not exceed the general radiated emissions limits.

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

Limit calculation and transfer to 3m distance as showed in the following table:

Frequency (MHz)	Limit (dBuV/m)	Distance (m)
0.009-0.490	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	3
0.490-1.705	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	3
1.705-30.0	69.5	3
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

4.1.3 Test Results

PASS.

The test data please refer to following page:

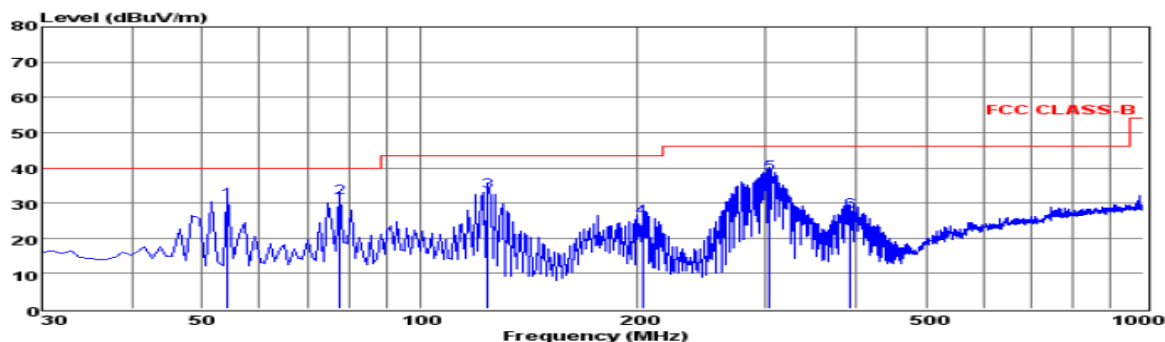
9 KHz ~ 30MHz

Note: Only recorded the worst test result.

Freq. MHz	Antenna Pol.	Reading dBuV	Factor dB	Measured dBuV/m	Limit dBuV/m	Margin dB	Remark
0.350	H	--	--	--	65	--	--
1.000	H	--	--	--	65	--	--
3.84	H	35.80	11.71	47.51	69.5	-21.99	Peak
9.64	H	18.68	11.04	29.72	69.5	-39.78	Peak
13.56	H	41.26	10.86	52.12	124	-71.88	Peak
15.73	H	14.01	10.54	24.55	69.5	-44.95	Peak
22.17	H	15.75	9.60	25.35	69.5	-44.15	Peak
26.51	H	11.06	8.91	19.97	69.5	-49.53	Peak
0.350	V	--	--	--	65	--	--
1.000	V	--	--	--	65	--	--
3.84	V	37.31	11.69	49.00	69.5	-20.50	Peak
9.64	V	18.56	11.01	29.57	69.5	-39.93	Peak
13.56	V	43.53	10.86	54.39	124	-69.61	Peak
15.73	V	14.72	10.57	25.29	69.5	-44.21	Peak
22.17	V	16.34	9.59	25.93	69.5	-43.57	Peak
26.51	V	12.03	8.93	20.96	69.5	-48.54	Peak

*Note: Factor= Antenna Gain + Cable Loss – Amplifier Gain;

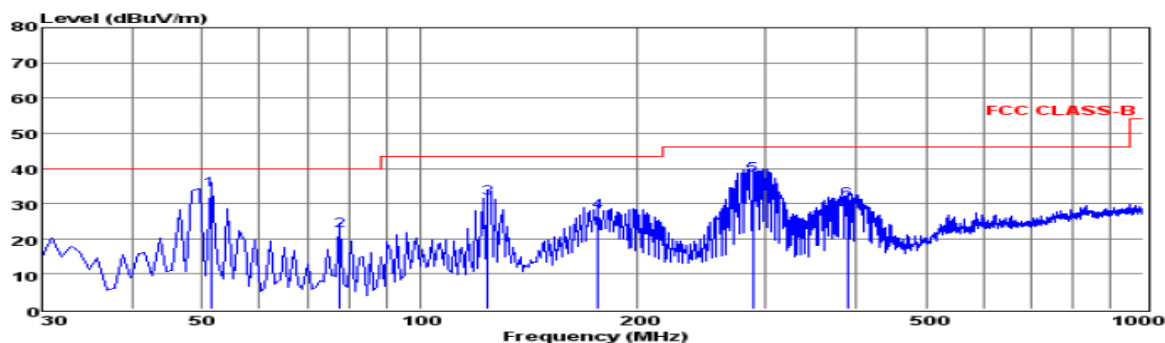
“--” means noise floor.

30MHz ~ 1GHz

Env./Ins: 24°C/56%
EUT: Smart Phone
M/N: FTU152D
Power Rating: AC 120V/60Hz
Test Mode: NFC
Operator: Leo
Memo:
pol: HORIZONTAL

	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	54.25	17.10	0.46	13.05	30.61	40.00	-9.39	QP
2	77.53	22.75	0.47	8.17	31.39	40.00	-8.61	QP
3	124.09	22.82	0.71	9.85	33.38	43.50	-10.12	QP
4	202.66	14.38	0.82	10.65	25.85	43.50	-17.65	QP
5	304.51	24.14	1.03	13.12	38.29	46.00	-7.71	QP
6	392.78	11.45	1.20	14.89	27.54	46.00	-18.46	QP

Note: 1. All readings are Quasi-peak values.
2. Measured= Reading + Antenna Factor + Cable Loss
3. The emission that are 20db below the official limit are not reported



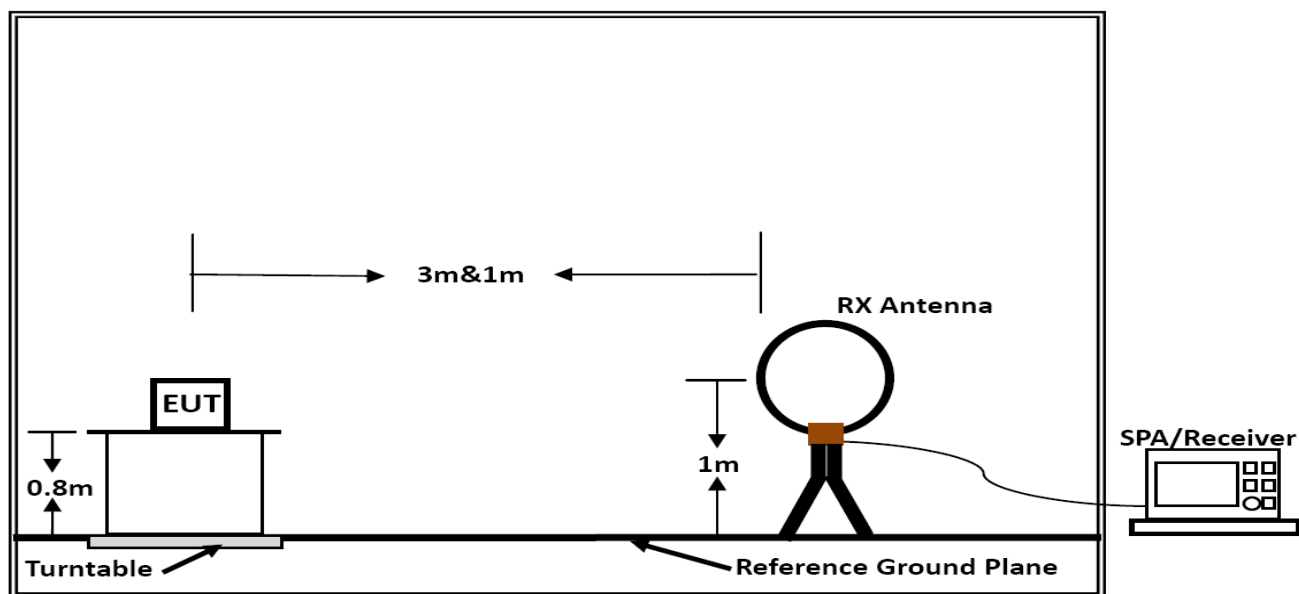
Env./Ins: 24°C/56%
EUT: Smart Phone
M/N: FTU152D
Power Rating: AC 120V/60Hz
Test Mode: NFC
Operator: Leo
Memo:
pol: VERTICAL

	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	51.34	20.26	0.54	13.19	33.99	40.00	-6.01	QP
2	77.53	13.63	0.47	8.17	22.27	40.00	-17.73	QP
3	124.09	21.00	0.71	9.85	31.56	43.50	-11.94	QP
4	176.47	17.46	0.73	9.43	27.62	43.50	-15.88	QP
5	288.02	24.05	1.05	12.83	37.93	46.00	-8.07	QP
6	389.87	14.97	1.17	14.82	30.96	46.00	-15.04	QP

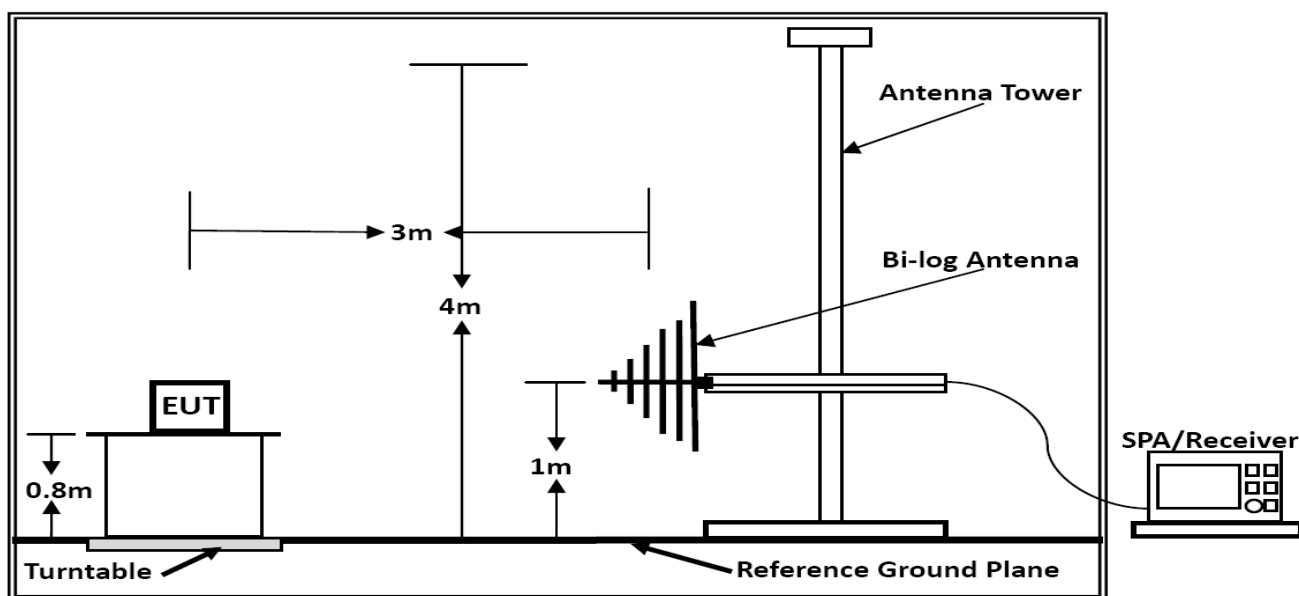
Note: 1. All readings are Quasi-peak values.
2. Measured= Reading + Antenna Factor + Cable Loss
3. The emission that are 20db below the official limit are not reported

4.2 Field Strength of Fundamental Emissions and Mask Measurement

4.2.1 Block Diagram of Test Setup



Below 30MHz



Below 1GHz

4.2.2 Field strength of fundamental emissions limit and Mask limit

The field strength of fundamental emissions shall not exceed 15848 microvolts/meter at 30 meters. The emissions limit in this paragraph is based on measurement instrumentation employing a QP detector.

Frequencies (MHz)	Field Strength (microvolts/meter)	Field Strength (dB μ V/m) at 10m	Field Strength (dB μ V/m) at 3m
13.553 ~ 13.567MHz	15848 at 30m	103.08 (QP)	124 (QP)

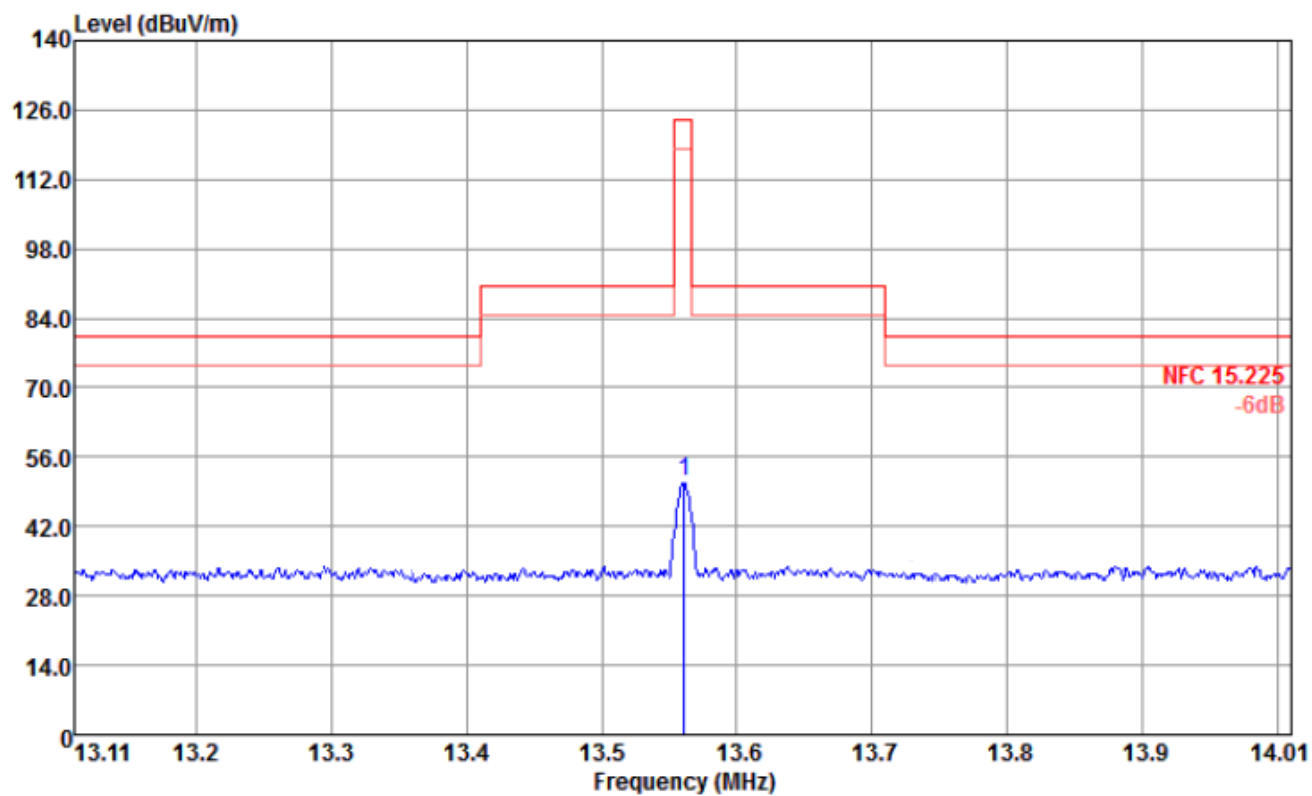
Mask Limit:

Frequency (MHz)	Limit (dB μ V/m)	Distance (m)
1.705-13.110	69.5	3
13.110-13.410	80.5	3
13.410-13.553	90.5	3
13.553-13.567	124.0	3
13.567-13.710	90.5	3
13.710-14.010	80.5	3
14.010-30.000	69.5	3

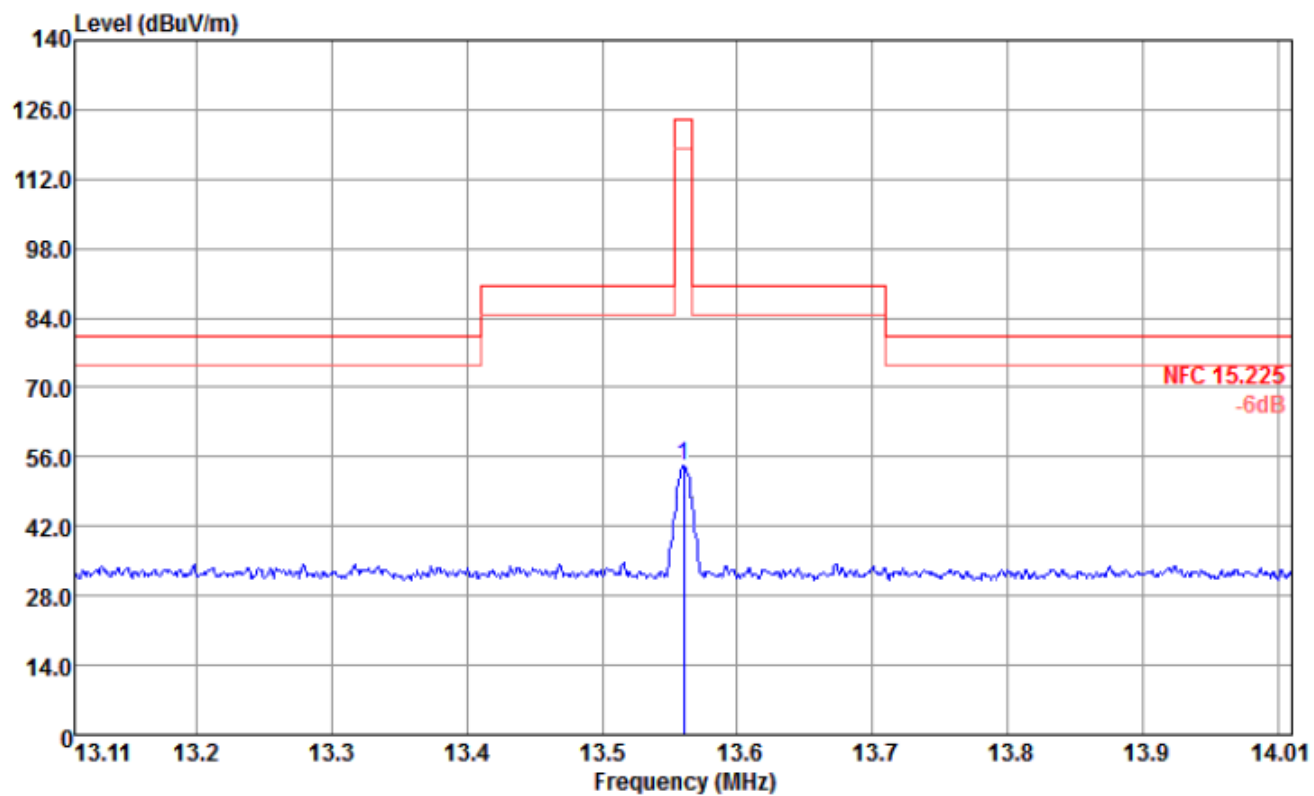
4.2.3 Test Results

PASS.

The test data please refer to following page:



	Freq.(MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Pol.	Remark
1	13.56	41.26	10.86	52.00	124	H	QP



	Freq.(MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Pol.	Remark
1	13.56	43.53	10.86	54.25	124	V	QP

*Note: Factor= Antenna Gain + Cable Loss – Amplifier Gain

Emission level (dB μ V/m) = 20 log Emission level (μ V/m).

Measured distance is 3m.

All NFC's spurious emissions are below 20dB of limits.

5. BANDWIDTH OF THE OPERATING FREQUENCY

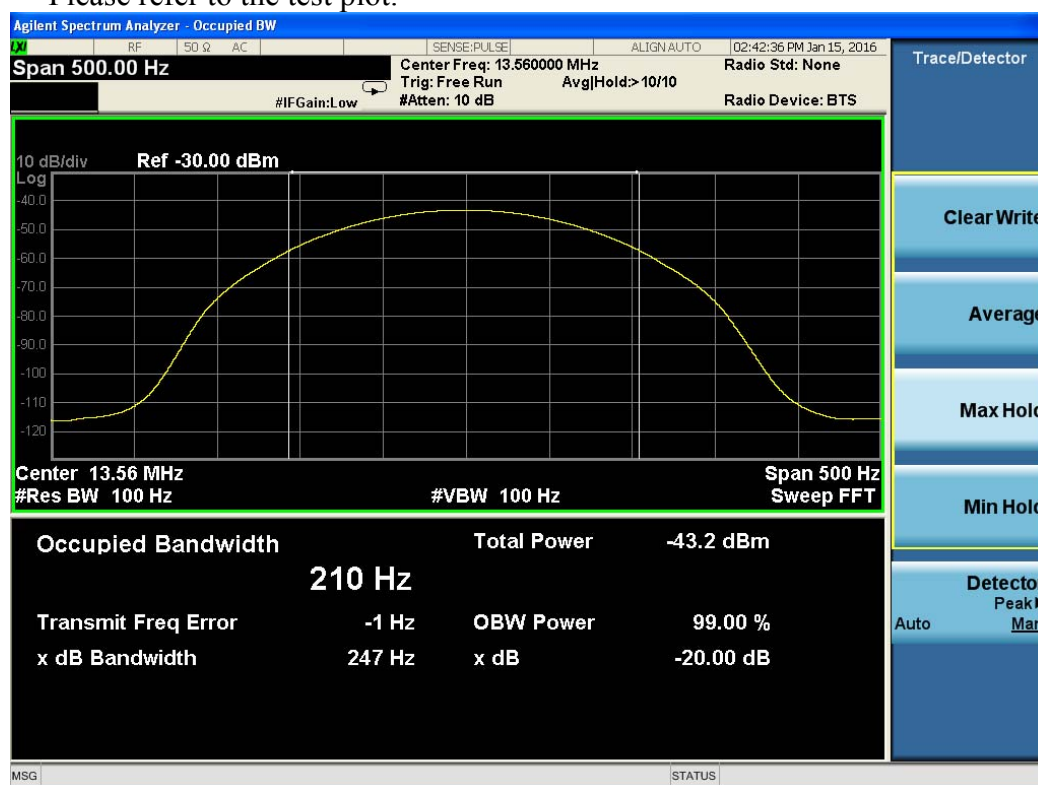
5.1 Standard Applicable

Intentional radiators must be designed to ensure that the 20 dB bandwidth of the emissions in the specific band (13.553 ~ 13.567MHz).

5.2 Test Result

EUT	Smart phone
RBW	100Hz
VBW	100Hz
SPAN	500Hz
Carrier Freq. (MHz)	20dB Bandwidth (KHz)
13.56	0.210

Please refer to the test plot:



6. FREQUENCY STABILITY MEASUREMENT

6.1 Standard Applicable

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% (100ppm) 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.

6.2 Test Result

Voltage vs. Frequency Stability

Voltage(V)	Measurement Frequency (MHz)
DC 3.4V	13.56044
DC 3.8V	13.56037
DC 4.2V	13.56051
Max. Deviation (MHz)	0.00051
Max. Deviation (ppm)	37.6106

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
-20	13.56053
-10	13.56049
0	13.56046
10	13.56041
20	13.56037
30	13.56043
40	13.56047
50	13.56055
Max. Deviation (MHz)	0.00055
Max. Deviation (ppm)	40.5605

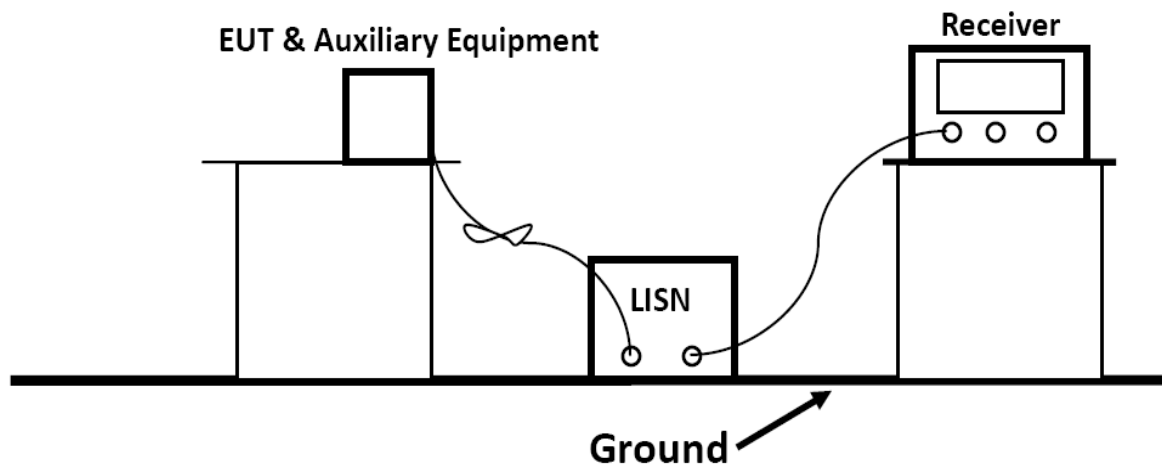
7. LINE CONDUCTED EMISSIONS

7.1 Standard Applicable

According to §15.207 (a): For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed 250 microvolt (The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz). The limits at specific frequency range are listed as follows:

Frequency Range(MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50

7.2 Block Diagram of Test Setup

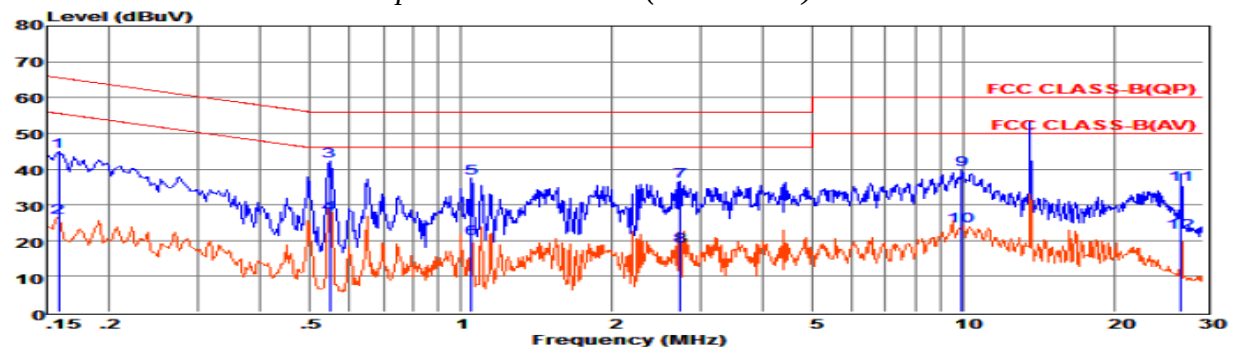


7.3 Test Results

PASS.

The test data please refer to following page.

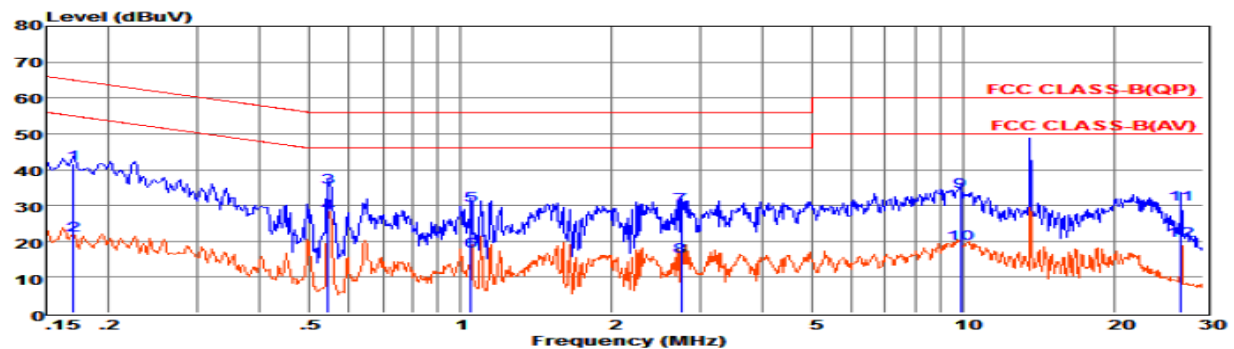
Test Result For Line Power Input AC 120V/60Hz (Worst Case)



Env. Ins: 24*/56%
EUT: Smart Phone
M/N: FTU152D
Power Rating: AC 120V/60Hz
Test Mode: NFC
Operator: Leo
Memo:
Pol: LINE

	Freq	Reading	LisnFac	CabLos	Atten_Fac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.15816	25.19	9.58	0.02	10.00	44.79	65.56	-20.77	QP
2	0.15826	6.82	9.58	0.02	10.00	26.42	55.55	-29.13	Average
3	0.54934	22.61	9.63	0.04	10.00	42.28	56.00	-13.72	QP
4	0.54944	7.60	9.63	0.04	10.00	27.27	46.00	-18.73	Average
5	1.04850	17.78	9.63	0.05	10.00	37.46	56.00	-18.54	QP
6	1.04950	0.73	9.63	0.05	10.00	20.41	46.00	-25.59	Average
7	2.73562	16.97	9.64	0.05	10.00	36.66	56.00	-19.34	QP
8	2.73662	-1.24	9.64	0.05	10.00	18.45	46.00	-27.55	Average
9	9.91302	20.13	9.69	0.08	10.00	39.90	60.00	-20.10	QP
10	9.91402	4.36	9.69	0.08	10.00	24.13	50.00	-25.87	Average
11	1127.12000	15.89	9.71	0.13	10.00	35.73	60.00	-24.27	QP
12	1227.12100	2.59	9.71	0.13	10.00	22.43	50.00	-27.57	Average

Remarks: 1. Measured = Reading + Lisn Factor +Cable Loss+Atten_Fac.
2. The emission levels that are 20dB below the official limit are not reported.



Env. Ins: 24*/56%
EUT: Smart Phone
M/N: FTU152D
Power Rating: AC 120V/60Hz
Test Mode: NFC
Operator: Leo
Memo:
Pol: NEUTRAL

	Freq	Reading	LisnFac	CabLos	Atten_Fac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.17034	21.91	9.65	0.02	10.00	41.58	64.94	-23.36	QP
2	0.17044	2.00	9.65	0.02	10.00	21.67	54.94	-33.27	Average
3	0.54644	15.38	9.62	0.04	10.00	35.04	56.00	-20.96	QP
4	0.54654	8.30	9.62	0.04	10.00	27.96	46.00	-18.04	Average
5	1.04850	10.36	9.63	0.05	10.00	30.04	56.00	-25.96	QP
6	1.04950	-2.41	9.63	0.05	10.00	17.27	46.00	-28.73	Average
7	2.75015	10.06	9.64	0.05	10.00	29.75	56.00	-26.25	QP
8	2.75115	-4.02	9.64	0.05	10.00	15.67	46.00	-30.33	Average
9	9.86064	14.15	9.72	0.08	10.00	33.95	60.00	-26.05	QP
10	9.86164	-0.36	9.72	0.08	10.00	19.44	50.00	-30.56	Average
11	1127.12000	10.52	9.83	0.13	10.00	30.48	60.00	-29.52	QP
12	1227.12130	0.17	9.83	0.13	10.00	20.13	50.00	-29.87	Average

Remarks: 1. Measured = Reading + Lisn Factor +Cable Loss+Atten_Fac.
2. The emission levels that are 20dB below the official limit are not reported.

8. ANTENNA REQUIREMENT

8.1 Standard Applicable

According to § 15.203, 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 shall be considered sufficient to comply with the provisions of this section. 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.

8.2 Antenna Connected Construction

The antenna used for transmitting is permanently attached and no consideration of replacement. Please see EUT photo for details.

The sample use loop antenna as NFC antenna, the maximum gain of the antenna is 0dBi;

-----THE END OF REPORT-----