



# TEST REPORT

## No. I22Z62473-EMC01

for

**TCL Communication Ltd.**

**GSM/UMTS/LTE mobile phone**

**Model Name: T431U, T431P, T431Q**

**FCC ID: 2ACCJH171**

with

**Hardware Version: 05**

**Software Version: KW28**

**Issued Date: 2022-12-27**

**Note:**

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

**Test Laboratory:**

CTTL-Telecommunication Technology Labs, CAICT

No. 52, Huayuan North Road, Haidian District, Beijing, P. R. China 100191.

Tel:+86(0)10-62304633-2512, Fax:+86(0)10-62304633-2504

Email: [cttl\\_terminals@caict.ac.cn](mailto:cttl_terminals@caict.ac.cn), website: [www.caict.ac.cn](http://www.caict.ac.cn)

## **REPORT HISTORY**

<b>Report Number</b>	<b>Revision</b>	<b>Description</b>	<b>Issue Date</b>
I22Z62473-EMC01	Rev.0	1 <sup>st</sup> edition	2022-12-27

Note: the latest revision of the test report supersedes all previous version.

## **CONTENTS**

<b>1. TEST LABORATORY .....</b>	<b>4</b>
<b>1.1. TESTING LOCATION .....</b>	<b>4</b>
<b>1.2. TESTING ENVIRONMENT .....</b>	<b>4</b>
<b>1.3. PROJECT DATA .....</b>	<b>4</b>
<b>1.4. SIGNATURE .....</b>	<b>4</b>
<b>2. CLIENT INFORMATION .....</b>	<b>5</b>
<b>2.1. APPLICANT INFORMATION.....</b>	<b>5</b>
<b>2.2. MANUFACTURER INFORMATION.....</b>	<b>5</b>
<b>3. EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE) .....</b>	<b>6</b>
<b>3.1. ABOUT EUT.....</b>	<b>6</b>
<b>3.2. INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST .....</b>	<b>6</b>
<b>3.3. INTERNAL IDENTIFICATION OF AE USED DURING THE TEST.....</b>	<b>6</b>
<b>3.4. EUT SET-UPS .....</b>	<b>7</b>
<b>4. REFERENCE DOCUMENTS.....</b>	<b>8</b>
<b>4.1. REFERENCE DOCUMENTS FOR TESTING.....</b>	<b>8</b>
<b>5. LABORATORY ENVIRONMENT.....</b>	<b>9</b>
<b>6. SUMMARY OF TEST RESULTS.....</b>	<b>10</b>
<b>7. TEST EQUIPMENTS UTILIZED.....</b>	<b>11</b>
<b>ANNEX A: MEASUREMENT RESULTS .....</b>	<b>12</b>

## **1. Test Laboratory**

### **1.1. Testing Location**

CTTL (huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,  
P. R. China 100191

### **1.2. Testing Environment**

Normal Temperature: 15-35°C

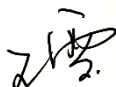
Relative Humidity: 20-75%

### **1.3. Project data**

Testing Start Date: 2022-12-24

Testing End Date: 2022-12-26

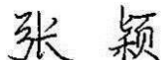
### **1.4. Signature**



---

Wang Xue

(Prepared this test report)



---

Zhang Ying

(Reviewed this test report)



---

Zhang Xia

(Approved this test report)

## **2. Client Information**

### **2.1. Applicant Information**

Company Name: TCL Communication Ltd.  
Address /Post: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science  
Park, Shatin, NT, Hong Kong  
Contact: Annie.jiang  
Email: nianxiang.jiang@tcl.com  
Telephone: +86 755 36611621  
Fax: +86 755 3661 2000-81722

### **2.2. Manufacturer Information**

Company Name: TCL Communication Ltd.  
Address /Post: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science  
Park, Shatin, NT, Hong Kong  
Contact: Annie.jiang  
Email: nianxiang.jiang@tcl.com  
Telephone: +86 755 36611621  
Fax: +86 755 3661 2000-81722

### **3. Equipment Under Test (EUT) and Ancillary Equipment (AE)**

#### **3.1. About EUT**

Description	GSM/UMTS/LTE mobile phone
Model Name	T431U, T431P, T431Q
FCC ID:	2ACCJH171

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL, Telecommunication Technology Labs, CAICT.

#### **3.2. Internal Identification of EUT used during the test**

<b>EUT ID*</b>	<b>SN or IMEI</b>	<b>HW Version</b>	<b>SW Version</b>
UT06a	356989310200997	05	KW28

\*EUT ID: is used to identify the test sample in the lab internally.

#### **3.3. Internal Identification of AE used during the test**

<b>AE ID*</b>	<b>Description</b>
AE1	Battery
AE2	Battery
AE3	USB Cable
AE4	USB Cable
AE5	Charger
AE6	Charger
AE7	Charger
AE8	Charger
AE9	Headset

##### **AE1**

Model	TLi028C7(TCL logo)
Manufacturer	NINGBO VEKEN BATTERY CO., LTD
Capacity	min2880mAh/Typ3000mAh
Nominal Voltage	3.85V

##### **AE2**

Model	TLi028C7(no logo)
Manufacturer	NINGBO VEKEN BATTERY CO., LTD
Capacity	min2880mAh/Typ3000mAh
Nominal Voltage	3.85V

##### **AE3**

Model	CDA3122005C8
Manufacturer	HUIZHOU PUAN ELECTRONICS CO LTD
Length of cable	/

##### **AE4**

Model	CDA3122005C1
Manufacturer	Juwei Electrontcs Co.,LTD
Length of cable	/

##### **AE5**

Model	UC21EU(CBA0070AANC5)
Manufacturer	HUIZHOU PUAN ELECTRONICS CO LTD
Length of cable	/
AE6	
Model	UC11AU (CBA0058ACNC5)
Manufacturer	HUIZHOU PUAN ELECTRONICS CO LTD
Length of cable	/
AE7	
Model	UC11UK (CBA0058ABNC5)
Manufacturer	HUIZHOU PUAN ELECTRONICS CO LTD
Length of cable	/
AE8	
Model	UC11US (CBA0058AG9C5)
Manufacturer	HUIZHOU PUAN ELECTRONICS CO LTD
Length of cable	/
AE9	
Model	CCB0046A15C1
Manufacturer	Juwei Electrontcs Co.,LTD
Length of cable	/

\*AE ID: is used to identify the test sample in the lab internally.

### 3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.1	EUT1 + AE1/2 + AE3/4 + AE5	Charger1+REAR Camera+GSM 850 idle
Set.2	EUT1 + AE1/2 + AE3/4 + AE5	Charger1+MP4+WCDMA 850 idle
Set.3	EUT1 + AE1/2 + AE3/4 + AE9	USB+front camera + LTE idle +FM

Note: Equipment Under Test (EUT) is a model of GSM/UMTS/LTE mobile phone with integrated antenna.It supports

GSM Band	GSM 850/900/1800/1900
UMTS Band	FDD Band I(W2100) /FDD Band II(W1900) /FDD Band IV(W1700)/FDD Band V(W850)/FDD Band VIII(W900)
LTE Band	FDD1/3/5/7/8/20/28, TDD 38/40/41

It has MP3, Camera, USB memory, Bluetooth, Wi-Fi (802.11b/g/n, 802.11n supports 20MHz and 40MHz bandwidth), GNSS functions.

The device contains receivers which tune and operate between 30MHz-960MHz in the following bands: GSM 850, WCDMA850, LTE Band 5. All licensed band receivers that tune in the range of 30MHz-960MHz are investigated. Only the worst-case emissions are reported.

※ NOTE: The model T431U, T431P, T431Q are variant models based on T431E.

According to the declaration of changes, the following test items and test modes were

performed.	Test Item	Mode or Feature	EUT Set-up
	Radiated Continuous Emission	Charging mode/USB mode	Set.1/2/3
	Conducted Continuous Emission	Charging mode/USB mode	Set.1/2/3

Only the worst-case emissions are reported.

## **4. Reference Documents**

### **4.1. Reference Documents for testing**

The following documents listed in this section are referred for testing.

<b>Reference</b>	<b>Title</b>	<b>Version</b>
FCC Part 15, Subpart B	Radio frequency devices - Unintentional Radiators	2019
ANSI C63.4	American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

Note: The test methods have no deviation with standards.



## 5. LABORATORY ENVIRONMENT

**Semi-anechoic chamber SAC-1** (10 meters×6.7meters×6.1meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 M $\Omega$
Ground system resistance	< 4 $\Omega$
Normalised site attenuation (NSA)	< $\pm 4$ dB, 3m distance
Site voltage standing-wave ratio ( $S_{VSWR}$ )	Between 0 and 6 dB, from 1GHz to 6GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz

**Shielded room** did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB; 1MHz—1000MHz, >90dB.
Electrical insulation	> 2 M $\Omega$
Ground system resistance	< 4 $\Omega$

## 6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Verdict Column	P	Pass
	NA	Not applicable
	F	Fail

Items	Test Name	Clause in FCC rules	Section in this report	Verdict	Test Location
1	Radiated Emission	15.109(a)	B.1	P	CTTL(huayuan North Road)
2	Conducted Emission	15.107(a)	B.2	P	CTTL(huayuan North Road)

## 7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATI ON INTERVAL
1	Test Receiver	ESW44	103015	R&S	2023-01-23	1 year
2	Universal Radio Communication Tester	CMW500	163975	R&S	2023-01-10	1 year
3	EMI Antenna	VULB 9163	302	SCHWARZBECK	2022-12-28	1 year
4	EMI Antenna	3115	00146404	ETS-Lindgren	2023-02-23	1 year
5	LISN	ENV216	101200	R&S	2023-06-29	1 year
6	Test Receiver	ESCI 7	100344	R&S	2023-03-21	1 Year
7	Software	EMC32	/	R&S	/	/

## **ANNEX A: MEASUREMENT RESULTS**

### **A.1 Radiated Emission**

#### **Reference**

FCC: CFR Part 15.109(a).

#### **A.1.1 Method of measurement**

The field strength of radiated emissions from the unintentional radiator (USB mode of MS and charging mode of MS) at distances of 3 meters is tested. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3/10 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

#### **A.1.2 EUT Operating Mode**

The MS is operating in the USB mode and charging mode. During the test MS is connected to a PC via a USB cable in the case of USB mode and is connected to a charger in the case of charging mode.

The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in section 3.4, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

The model of the PC is M4000E-17, and the serial number of the PC is M706GWXD. The software is used to let the PC keep on copying data to MS, reading and erasing the data after copy action was finished.

Note : I/O information : Printer – USB, Mouse – PS/2, Keyboard – USB.

#### **A.1.3 Measurement Limit**

Frequency range (MHz)	Field strength limit (μV/m)		
	Quasi-peak	Average	Peak
30-88	100		
88-216	150		
216-960	200		
960-1000	500		
>1000		500	5000

Note: the above limit is for 3 meters test distance. 10 meters' limit is got by converting.

#### **A.1.4 Test Condition**

Frequency range (MHz)	RBW/VBW	Sweep Time (s)	Detector
30-1000	120kHz (IF Bandwidth)	5	Peak/Quasi-peak
Above 1000	1MHz/3MHz	15	Peak, Average

### A.1.5 Measurement Results

A "reference path loss" is established and the  $A_{Rpl}$  is the attenuation of "reference path loss". It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

$$\text{Result} = P_{\text{Mea}} + A_{Rpl} = P_{\text{Mea}} + G_A + G_{PL}$$

Where

$G_A$ : Antenna factor of receive antenna

$G_{PL}$ : Path Loss

$P_{\text{Mea}}$ : Measurement result on receiver.

Measurement uncertainty (worst case):  $U = 5.54 \text{ dB}$ ,  $k=2$ .

#### Measurement results for Set.1:

##### Charging Mode/Average detector

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)
17997.960	42.10	-29.06	46.66	24.50	54.00	11.90	V
17974.840	41.40	-29.06	46.66	23.80	54.00	12.60	V
17996.940	41.40	-29.06	46.66	23.80	54.00	12.60	H
17364.880	41.40	-29.97	43.36	28.01	54.00	12.60	V
17995.240	41.30	-29.06	46.66	23.70	54.00	12.70	H
17994.220	41.30	-29.06	46.66	23.70	54.00	12.70	H

##### Charging Mode/Peak detector

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)
17989.800	53.00	-29.06	46.66	35.40	74.00	21.00	V
17932.340	52.50	-29.40	46.66	35.24	74.00	21.50	V
17471.640	52.50	-30.06	44.35	38.20	74.00	21.50	H
17796.680	52.20	-29.89	45.95	36.13	74.00	21.80	V
17974.840	52.00	-29.06	46.66	34.40	74.00	22.00	V
17895.620	52.00	-29.53	45.95	35.58	74.00	22.00	V

**Measurement results for Set.2:**
**Charging Mode/Average detector**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)
17972.800	41.80	-29.06	46.66	24.20	54.00	12.20	V
17977.560	41.70	-29.06	46.66	24.10	54.00	12.30	V
17986.740	41.60	-29.06	46.66	24.00	54.00	12.40	V
17999.320	41.50	-29.06	46.66	23.90	54.00	12.50	V
17929.960	41.50	-29.40	46.66	24.24	54.00	12.50	V
17960.900	41.40	-29.06	46.66	23.80	54.00	12.60	V

**Charging Mode/Peak detector**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)
17995.240	52.60	-29.06	46.66	35.00	74.00	21.40	H
17769.480	52.20	-29.63	45.95	35.87	74.00	21.80	H
17907.520	52.10	-29.33	45.95	35.47	74.00	21.90	V
17580.780	52.00	-29.70	45.25	36.45	74.00	22.00	V
17364.200	52.00	-29.97	43.36	38.61	74.00	22.00	V
17483.880	52.00	-29.77	44.35	37.42	74.00	22.00	V

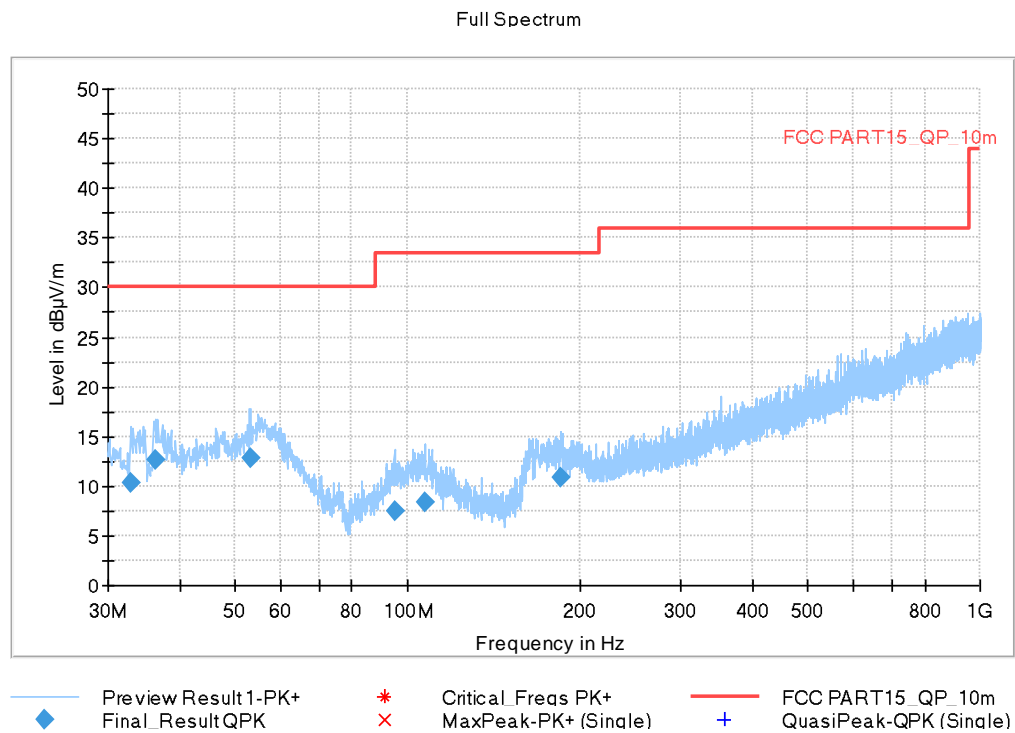
**Measurement results for Set.3:**
**USB Mode/Average detector**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)
6054.100	47.20	-37.82	34.40	50.62	54.00	6.80	H
6054.440	45.50	-37.82	34.40	48.92	54.00	8.50	H
6053.760	45.40	-37.82	34.40	48.82	54.00	8.60	V
17770.500	43.00	-29.63	45.95	26.67	54.00	11.00	V
17994.560	42.90	-29.06	46.66	25.30	54.00	11.10	V
17601.520	42.70	-29.52	45.25	26.97	54.00	11.30	H

**USB Mode/Peak detector**

Frequency (MHz)	Measurement Result (dB $\mu$ V/m)	Cable loss (dB)	Antenna Factor (dB/m)	Receiver Reading (dB $\mu$ V)	Limit (dB $\mu$ V/m)	Margin (dB)	Antenna Pol. (H/V)
17641.300	55.10	-29.60	45.25	39.45	74.00	18.90	V
17251.660	54.30	-30.02	43.36	40.96	74.00	19.70	V
17474.360	54.00	-30.06	44.35	39.70	74.00	20.00	H
1196.520	53.80	-40.00	24.06	69.73	74.00	20.20	H
17906.500	53.60	-29.33	45.95	36.97	74.00	20.40	V
17578.740	53.40	-29.79	45.25	37.95	74.00	20.60	V

## Measurement results for Set.1:



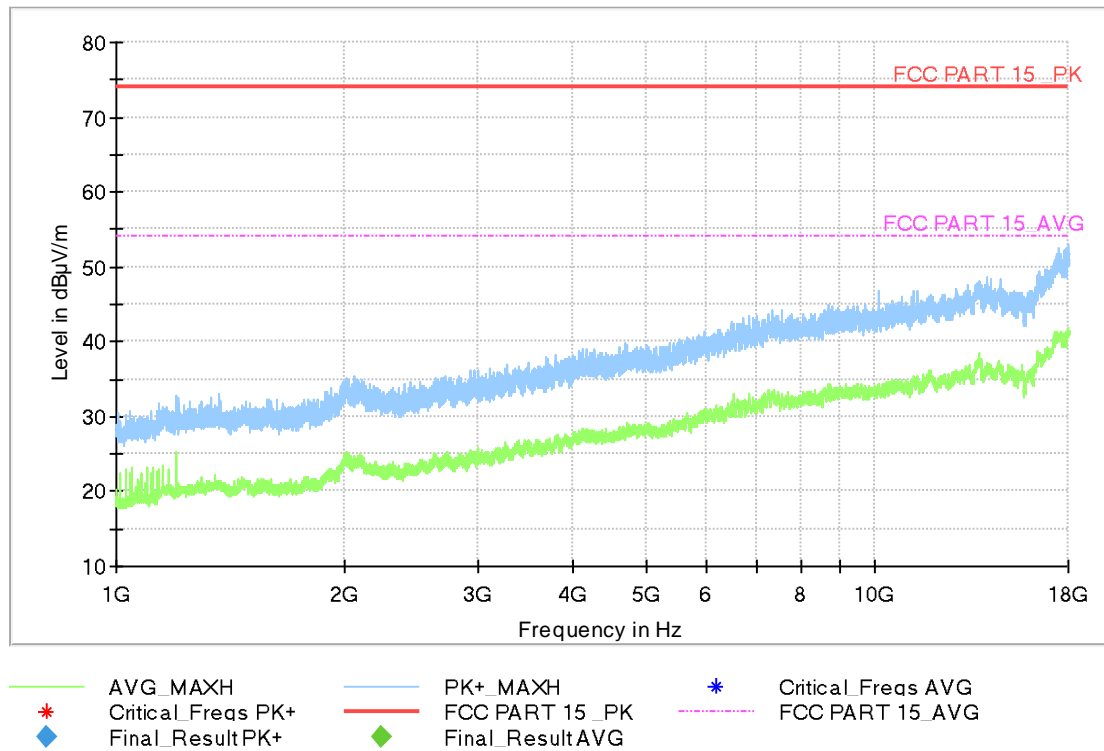
**Fig A.1 Radiated Emission from 30MHz to 1GHz**

### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.813000	10.34	30.00	19.66	120.000	186.0	V	-43.0	-16.4
36.305000	12.56	30.00	17.44	120.000	194.0	V	225.0	-15.6
53.086000	12.76	30.00	17.24	120.000	213.0	V	135.0	-15.1
94.893000	7.56	33.52	25.96	120.000	125.0	H	22.0	-13.3
107.212000	8.33	33.52	25.19	120.000	100.0	H	99.0	-12.5
184.812000	10.84	33.52	22.68	120.000	112.0	V	99.0	-18.4



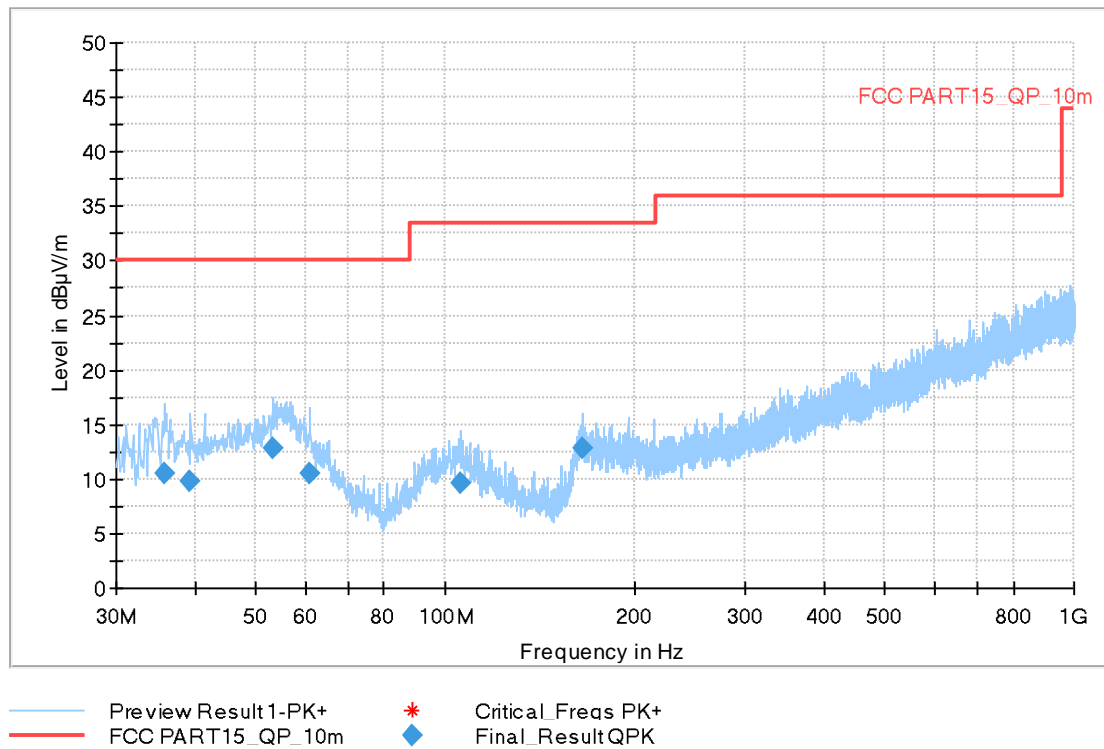
Full Spectrum



**Fig A.2 Radiated Emission from 1GHz to 18GHz**

## Measurement results for Set.2:

Full Spectrum

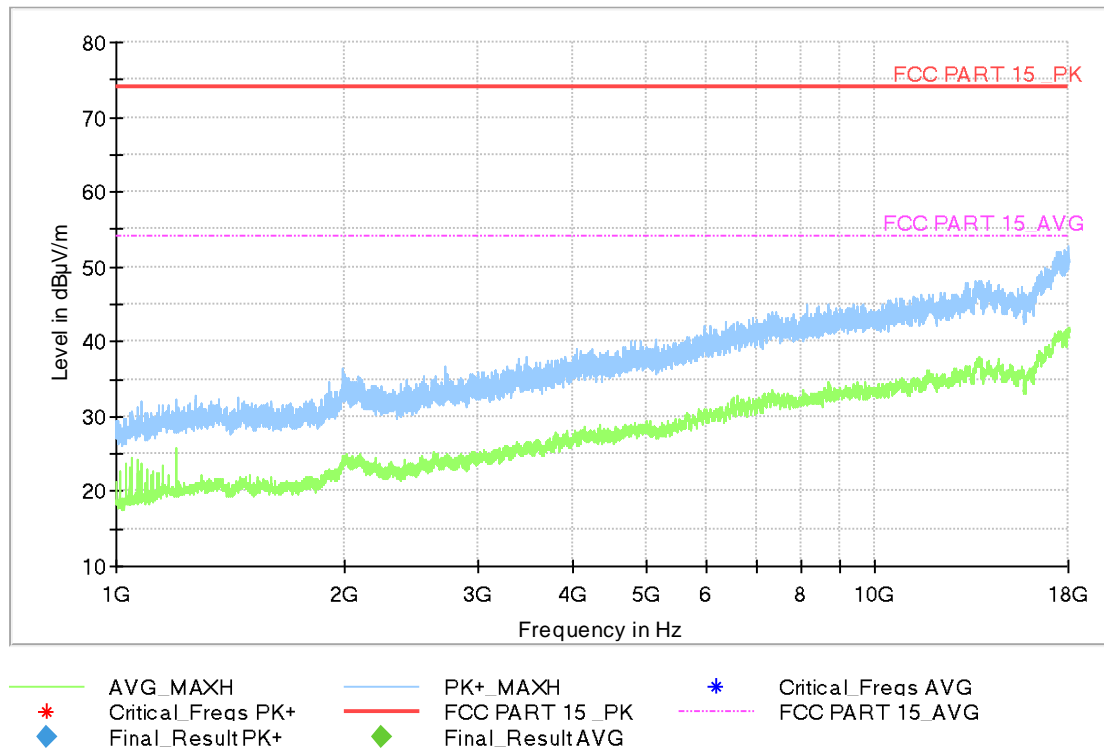


**Fig A.3 Radiated Emission from 30MHz to 1GHz**

### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
35.820000	10.42	30.00	19.58	120.000	112.0	V	28.0	-15.7
39.312000	9.84	30.00	20.16	120.000	100.0	V	215.0	-14.9
53.280000	12.74	30.00	17.26	120.000	111.0	V	135.0	-15.1
61.040000	10.58	30.00	19.42	120.000	100.0	V	125.0	-16.2
105.951000	9.60	33.52	23.92	120.000	175.0	H	252.0	-12.4
165.606000	12.74	33.52	20.78	120.000	111.0	V	135.0	-19.7

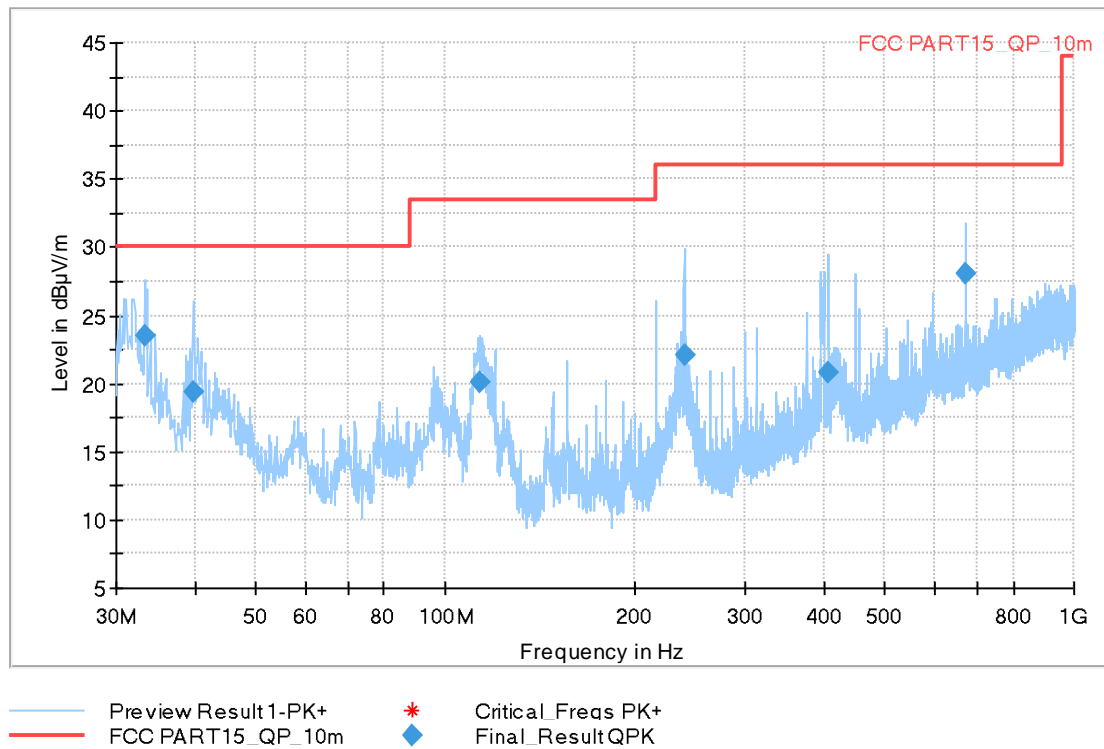
Full Spectrum



**Fig A.4 Radiated Emission from 1GHz to 18GHz**

### Measurement results for Set.3:

Full Spectrum

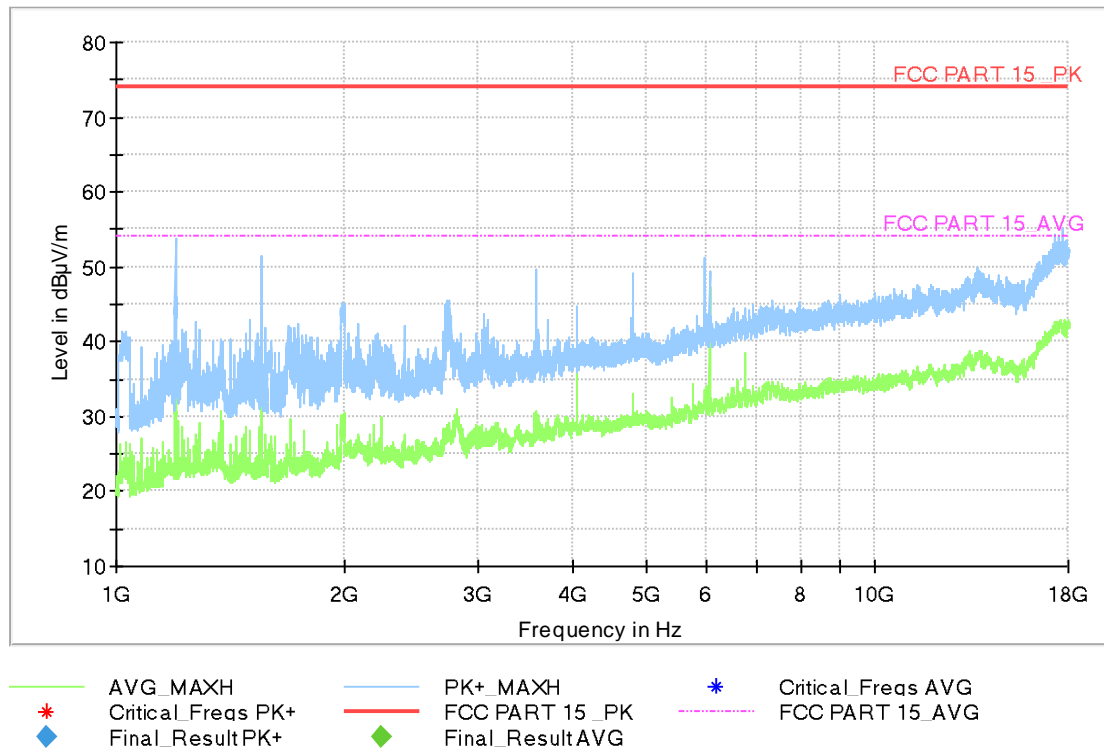


**Fig A.5 Radiated Emission from 30MHz to 1GHz**

### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.298000	23.57	30.00	6.43	120.000	287.0	V	225.0	-16.3
39.700000	19.33	30.00	10.67	120.000	112.0	V	23.0	-14.8
113.905000	20.04	33.52	13.48	120.000	185.0	V	266.0	-18.3
240.005000	22.14	36.02	13.88	120.000	283.0	H	163.0	-10.1
408.009000	20.74	36.02	15.28	120.000	225.0	H	85.0	-5.3
672.043000	28.06	36.02	7.96	120.000	108.0	H	163.0	0.0

Full Spectrum



**Fig A.6 Radiated Emission from 1GHz to 3GHz**

## A.2 Conducted Emission

### Reference

FCC: CFR Part 15.107(a).

### A.2.1 Method of measurement

For equipment that 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 the limits. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 7.3.

### A.2.2 EUT Operating Mode

The MS is operating in the USB mode and charging mode. During the test MS is connected to a PC via a USB cable in the case of USB mode and is connected to a charger in the case of charging mode. The model of the PC is DELL M4000E-17, and the serial number of the PC is M706GWXD. The software is used to let the PC keep on copying data to MS, reading and erasing the data after copy action was finished.

Note : I/O information : Printer – USB, Mouse – PS/2, Keyboard – USB.

### A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency		

### A.2.4 Test Condition in charging mode

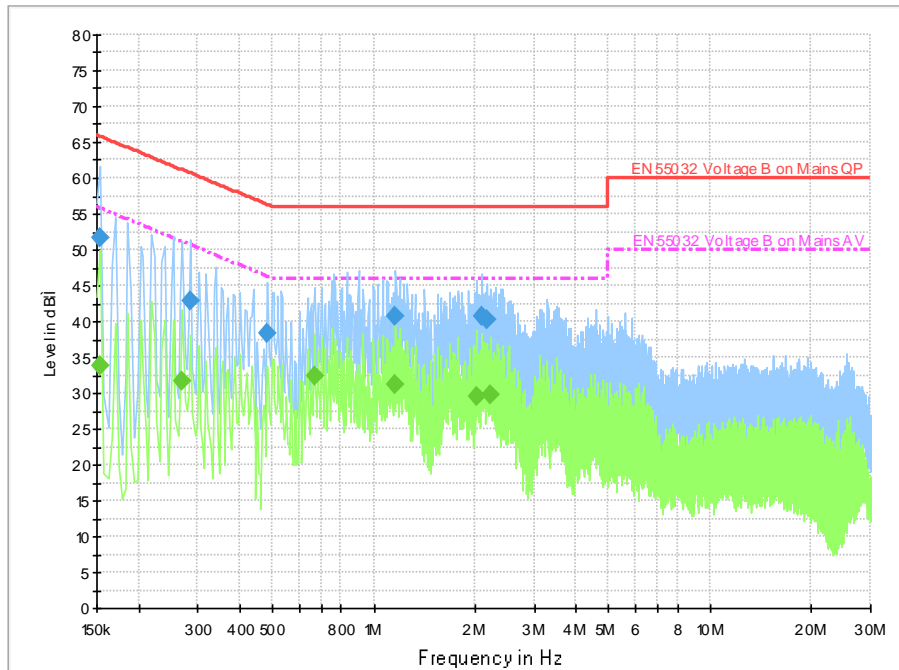
Voltage (V)	Frequency (Hz)
120	60

RBW/IF bandwidth	Sweep Time(s)
9kHz	1

### A.2.5 Measurement Results

Measurement uncertainty:  $U= 3.08 \text{ dB}$ ,  $k=2$ .

**Charging Mode, Set.1 :**



**Fig A.7 Conducted Emission from 150kHz to 30MHz**

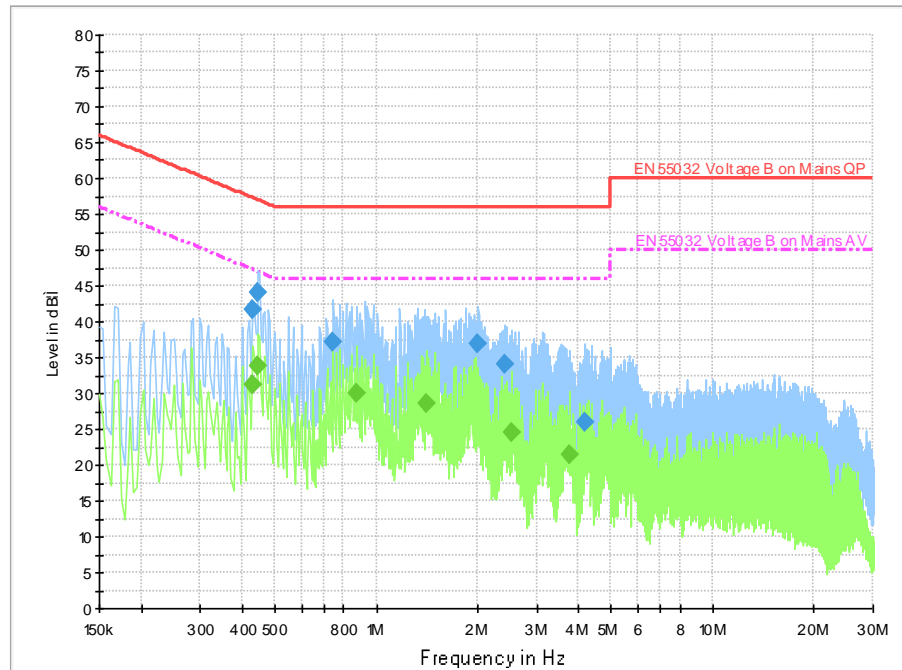
#### Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.154000	51.7	9.000	On	L1	19.9	14.1	65.8	
0.286000	42.8	9.000	On	L1	19.7	17.9	60.6	
0.482000	38.4	9.000	On	N	19.7	17.9	56.3	
1.162000	40.8	9.000	On	L1	19.7	15.2	56.0	
2.086000	40.6	9.000	On	L1	19.6	15.4	56.0	
2.178000	40.2	9.000	On	L1	19.6	15.8	56.0	

#### Final Result 2

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.154000	33.8	9.000	On	L1	19.9	21.9	55.8	
0.270000	31.7	9.000	On	L1	19.7	19.4	51.1	
0.666000	32.5	9.000	On	L1	19.7	13.5	46.0	
1.162000	31.3	9.000	On	L1	19.7	14.7	46.0	
2.030000	29.6	9.000	On	L1	19.6	16.4	46.0	
2.234000	29.7	9.000	On	L1	19.6	16.3	46.0	

**Charging Mode, Set.2 :**



**Fig A.8 Conducted Emission from 150kHz to 30MHz**

**Final Result 1**

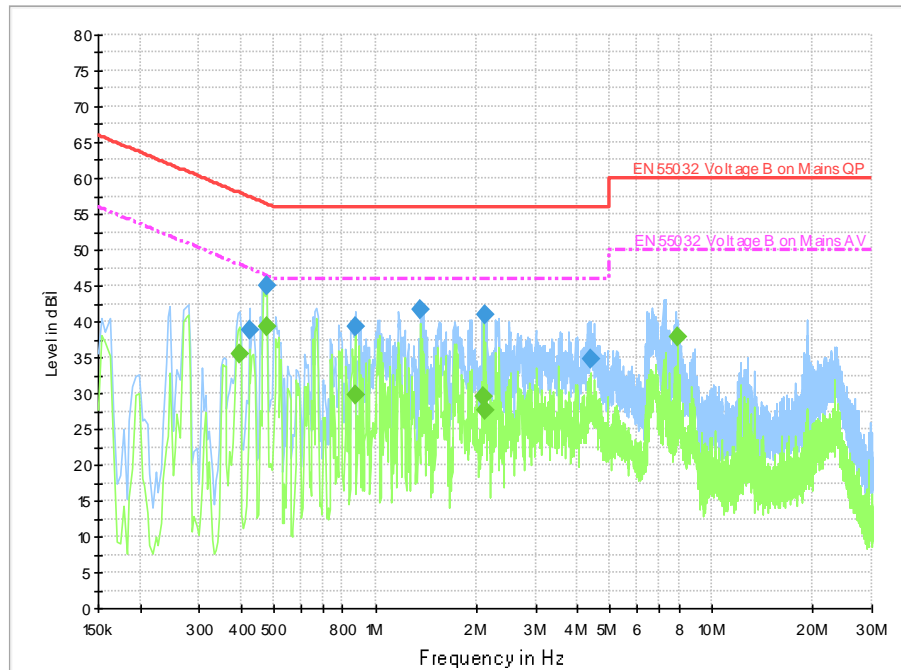
Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.430000	41.6	9.000	On	L1	19.7	15.6	57.3	
0.446000	44.2	9.000	On	L1	19.7	12.8	56.9	
0.746000	37.2	9.000	On	L1	19.7	18.8	56.0	
2.010000	36.9	9.000	On	L1	19.6	19.1	56.0	
2.422000	34.0	9.000	On	L1	19.6	22.0	56.0	
4.178000	26.0	9.000	On	N	19.6	30.0	56.0	

**Final Result 2**

Frequency (MHz)	Average (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.430000	31.3	9.000	On	L1	19.7	16.0	47.3	
0.446000	33.8	9.000	On	L1	19.7	13.2	46.9	
0.878000	30.0	9.000	On	L1	19.7	16.0	46.0	
1.414000	28.5	9.000	On	L1	19.7	17.5	46.0	
2.522000	24.5	9.000	On	L1	19.6	21.5	46.0	
3.766000	21.4	9.000	On	L1	19.6	24.6	46.0	



USB Mode, Set.3 :



**Fig A.9 Conducted Emission from 150kHz to 30MHz**

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.422000	38.8	9.000	On	L1	19.7	18.6	57.4	
0.474000	45.0	9.000	On	N	19.7	11.4	56.4	
0.870000	39.2	9.000	On	N	19.6	16.8	56.0	
1.362000	41.6	9.000	On	L1	19.6	14.4	56.0	
2.126000	40.9	9.000	On	N	19.6	15.1	56.0	
4.390000	34.7	9.000	On	L1	19.6	21.3	56.0	

**Final Result 2**

Frequency (MHz)	Average (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)	Comment
0.394000	35.5	9.000	On	L1	19.7	12.5	48.0	
0.474000	39.2	9.000	On	N	19.7	7.2	46.4	
0.870000	29.8	9.000	On	N	19.6	16.2	46.0	
2.102000	29.6	9.000	On	N	19.6	16.4	46.0	
2.126000	27.6	9.000	On	N	19.6	18.4	46.0	
7.922000	37.8	9.000	On	N	19.6	12.2	50.0	

\*\*\*END OF REPORT\*\*\*