



# **TEST REPORT**

APPLICANT	:	Shenzhen Chainway Information Technology Co., Ltd.
PRODUCT NAME	:	Mobile Data Terminal
MODEL NAME	:	C72
BRAND NAME	:	CHAINWAY
FCC ID	:	2AC6AC72P
STANDARD(S)	:	47 CFR Part 15 Subpart C
RECEIPT DATE	:	2021-10-26
TEST DATE	:	2021-12-08 to 2022-03-08
ISSUE DATE	:	2022-04-19

Edited by:

Leng 1 liaoni Zeng Xia ying (Rapporter

Approved by:

Shen Junsheng (Supervisor)

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	Change His	tory	
Version	Date	Reason for change	
1.0	2022-04-19	First edition	





Note: Provide by applicant.

### 1.1. Applicant and Manufacturer Information

Applicant:	Shenzhen Chainway Information Technology Co., Ltd.
	9F Building 2, Daqian Industrial Park, District 67, XingDong
Applicant Address:	Community, Xin'an Street, Bao'an District, Shenzhen,
	Guangdong, China
Manufacturer:	Shenzhen Chainway Information Technology Co., Ltd.
	9F Building 2, Daqian Industrial Park, District 67, XingDong
Manufacturer Address:	Community, Xin'an Street, Bao'an District, Shenzhen,
	Guangdong, China

### **1.2. Equipment Under Test (EUT) Description**

Product Name:	Mobile Data Ter	minal
Sample No.:	5#	
Hardware Version:	C72_Hardware_	version_P
Software Version:	C72_Software_v	version_P
<b>Operating Frequency:</b>	13.56MHz	
Modulation Type:	ASK	
Antenna Type:	Loop Antenna	
	Battery	
	Brand Name:	CHAINWAY
	Model No.:	J293
Accessory Information	Serial No.:	N/A
Accessory Information:	Capacity:	8000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	Hixon (Shenzhen) Technology Limited





Brand Name:FULLPOWERModel No.:NA010050020Serial No.:N/ARated Output:5V=2ARated Input:100-240V~50/60Hz, 0.5AManufacturer:SHENZHEN SHI YING YUAN ELECTRONICS CO LTDCharging BaseBrand Name:Brand Name:CHAINWAYModel No.:CRD-C72-SCCSerial No.:N/ARated Output:5V=2ARated Output:5V=2ARated Output:5V=2ARated Input:5V=2ARated Input:5V=2ARated Input:5V=2AManufacturer:Shenzhen Chainway Information Technology Co., Ltd.USB CableModel No.:Manufacturer:SHENZHEN HUANJIAN ELECTRONIC			
Model No.:       NA010050020         Serial No.:       N/A         Rated Output:       5V=2A         Rated Input:       100-240V~50/60Hz, 0.5A         Manufacturer:       SHENZHEN SHI YING YUAN         ELECTRONICS CO LTD       Charging Base         Brand Name:       CHAINWAY         Model No.:       CRD-C72-SCC         Serial No.:       N/A         Rated Output:       5V=2A         Madel No.:       CRD-C72-SCC         Serial No.:       N/A         Rated Output:       5V=2A         Rated Output:       5V=2A         Rated Input:       5V=2A         Rated Input:       5V=2A         Rated Input:       5V=2A         Manufacturer:       Shenzhen Chainway Information         Technology Co., Ltd.       USB Cable         Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		AC Adapter	
Serial No.:       N/A         Rated Output:       5V=2A         Rated Input:       100-240V~50/60Hz, 0.5A         Manufacturer:       SHENZHEN SHI YING YUAN ELECTRONICS CO LTD         Charging Base       Brand Name:         Brand Name:       CHAINWAY         Model No.:       CRD-C72-SCC         Serial No.:       N/A         Rated Output:       5V=2A         Manufacturer:       Shenzhen Chainway Information Technology Co., Ltd.         USB Cable       Model No.:         Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Brand Name:	FULLPOWER
Rated Output:       5V=2A         Rated Input:       100-240V~50/60Hz, 0.5A         Manufacturer:       SHENZHEN SHI YING YUAN         ELECTRONICS CO LTD       Charging Base         Brand Name:       CHAINWAY         Model No.:       CRD-C72-SCC         Serial No.:       N/A         Rated Output:       5V=2A         Rated Input:       5V=2A         Manufacturer:       Shenzhen Chainway Information         Technology Co., Ltd.       USB Cable         Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Model No.:	NA010050020
Rated Input:       100-240V~50/60Hz, 0.5A         Manufacturer:       SHENZHEN SHI YING YUAN ELECTRONICS CO LTD         Charging Base       Brand Name:         Brand Name:       CHAINWAY         Model No.:       CRD-C72-SCC         Serial No.:       N/A         Rated Output:       5V=2A         Rated Input:       5V=2A         Manufacturer:       Shenzhen Chainway Information Technology Co., Ltd.         USB Cable       Model No.:         Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Serial No.:	N/A
Accessory Information:       Manufacturer:       SHENZHEN SHI YING YUAN ELECTRONICS CO LTD         Charging Base       Brand Name:       CHAINWAY         Model No.:       CRD-C72-SCC         Serial No.:       N/A         Rated Output:       5V=2A         Rated Input:       5V=2A         Manufacturer:       Shenzhen Chainway Information Technology Co., Ltd.         USB Cable       Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Rated Output:	5V=2A
Manufacturer:       ELECTRONICS CO LTD         Charging Base       Brand Name:       CHAINWAY         Model No.:       CRD-C72-SCC         Serial No.:       N/A         Rated Output:       5V=2A         Rated Input:       5V=2A         Manufacturer:       Shenzhen Chainway Information Technology Co., Ltd.         USB Cable       Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Rated Input:	100-240V~50/60Hz, 0.5A
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Accessory Information:       Brand Name:       CHAINWAY         Model No.:       CRD-C72-SCC         Serial No.:       N/A         Rated Output:       5V=2A         Rated Input:       5V=2A         Manufacturer:       Shenzhen Chainway Information Technology Co., Ltd.         USB Cable       Model No.:         Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Manufacturer.	ELECTRONICS CO LTD
Accessory Information: Model No.: CRD-C72-SCC Serial No.: N/A Rated Output: 5V=2A Rated Input: 5V=2A Manufacturer: Shenzhen Chainway Information Technology Co., Ltd. USB Cable Model No.: 1.8.17.067 Manufacturer: SHENZHEN HUANJIAN ELECTRONIC		Charging Base	
Model No.:CRD-C72-SCCSerial No.:N/ARated Output:5V=2ARated Input:5V=2AManufacturer:Shenzhen Chainway Information Technology Co., Ltd.USB CableModel No.:Manufacturer:SHENZHEN HUANJIAN ELECTRONIC	Accessory Information:	Brand Name:	CHAINWAY
Rated Output:       5V=2A         Rated Input:       5V=2A         Manufacturer:       Shenzhen Chainway Information Technology Co., Ltd.         USB Cable       Model No.:         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC	Accessery mornation.	Model No.:	CRD-C72-SCC
Rated Input:5V=2AManufacturer:Shenzhen Chainway Information Technology Co., Ltd.USB CableModel No.:Model No.:1.8.17.067Manufacturer:SHENZHEN HUANJIAN ELECTRONIC		Serial No.:	N/A
Manufacturer:       Shenzhen Chainway Information Technology Co., Ltd.         USB Cable       Model No.:         Manufacturer:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Rated Output:	5V=2A
Manufacturer:       Technology Co., Ltd.         USB Cable       Model No.:         Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Rated Input:	5V=2A
Technology Co., Ltd.         USB Cable         Model No.:       1.8.17.067         Manufacturer:       SHENZHEN HUANJIAN ELECTRONIC		Manufacturer	Shenzhen Chainway Information
Model No.:     1.8.17.067       Manufacturer:     SHENZHEN HUANJIAN ELECTRONIC			Technology Co., Ltd.
Manufacturer: SHENZHEN HUANJIAN ELECTRONIC		USB Cable	
Manufacturer		Model No.:	1.8.17.067
		Manufacturer:	SHENZHEN HUANJIAN ELECTRONIC
CO., LTD.			CO., LTD.

**Note 1:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.





### 1.3. Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 15 Subpart C for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15 (10-1-15 Edition)	Radio Frequency Devices

Test detailed items/section required by FCC rules and results are as below:

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	No deviation
2	15.207	Conducted Emission	Jan. 11, 2022	Yang Lian	PASS	No deviation
3	15.209 15.225(a) (b) (c)(d)	Radiated Emission	Dec. 27, 2021 Mar. 08, 2022	Gao Jianrou	PASS	No deviation
4	15.225(e)	Frequency Tolerance	Dec. 08, 2021	Su Xiaoxian	PASS	No deviation
5	15.215(c)	20dB Bandwidth	Dec. 26, 2021	Gao Jianrou	PASS	No deviation

**Note 1:** The tests were performed according to the method of measurements prescribed in ANSI C63.10-2013. The EUT has been tested under continuous operating condition.

**Note 2:** Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

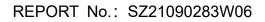
**Note 3:** When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

### 1.4. Environmental Conditions

During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106







# 2. 47 CFR Part 15C Requirements

### 2.1. Antenna Requirement

#### 2.1.1. Applicable Standard

According to FCC 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.

#### 2.1.2. Test Result: Compliant

The EUT has a permanently and irreplaceable attached antenna. Please refer to the EUT internal photos.





### 2.2. Conducted Emission

#### 2.2.1. Test Requirement

According to FCC section 15.207, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a  $50\mu$ H/ $50\Omega$  line impedance stabilization network (LISN).

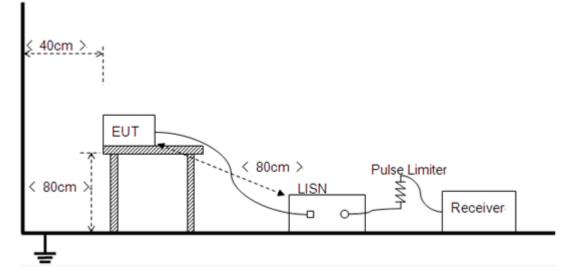
Eroquonov Pongo (MHz)	Conducted	d Limit (dBµV)
Frequency Range (MHz)	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

NOTE:

(a) The lower limit shall apply at the band edges.

(b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

#### 2.2.2. Test Setup



The EUT is placed on a 0.8m high insulating table, which stands on the grounded conducting floor, and keeps 0.4m away from the grounded conducting wall. The EUT is connected to the power mains through a LISN which provides  $50\Omega/50\mu$ H of coupling impedance for the measuring instrument. A Pulse Limiter is used to protect the measuring instrument. The factors of the whole test system are calibrated to correct the reading.





#### 2.2.3. Test Result

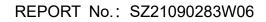
The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Set RBW=9kHz, VBW=30kHz. Refer to recorded points and plots below.

**Note:** Both of the test voltage AC 120V/60Hz and AC 230V/50Hz were considered and tested respectively, only the results of the worst case AC 120V/60Hz were recorded in this report.

#### A.Test Setup:

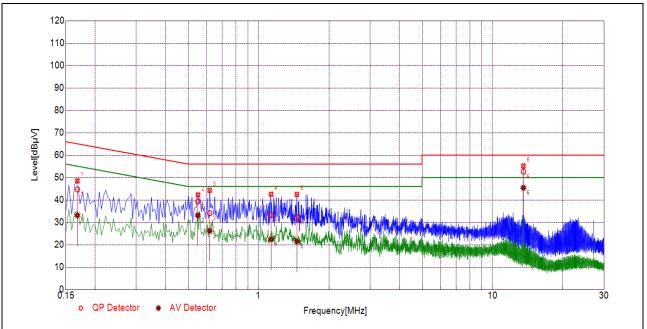
Test Mode: <u>EUT+Adaptor+ 13.56MHz TX</u> Test voltage: <u>AC 120V/60Hz</u> The measurement results are obtained as below: E [dB $\mu$ V] =U<sub>R</sub> + L<sub>Cable loss</sub> [dB] + A<sub>Factor</sub> U<sub>R</sub>: Receiver Reading A<sub>Factor</sub>: Voltage division factor of LISN





#### **B.Test Plot:**

MORL

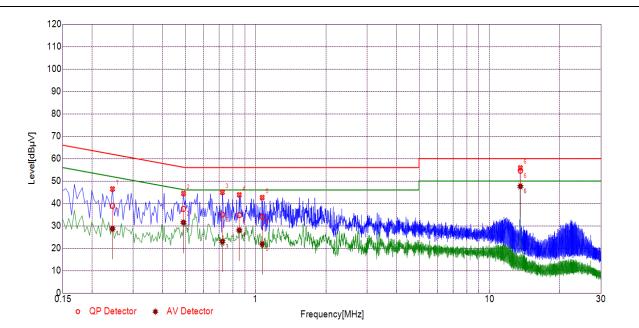


(L Phase)

No.	Fre.	Emission L	.evel (dBµV)	Limit (	dBµV)	Power-line	Verdict
	(MHz)	Quai-peak	Average	Quai-peak	Average		
1	0.1681	44.70	33.13	65.05	55.05		PASS
2	0.5500	39.31	33.13	56.00	46.00		PASS
3	0.6181	34.09	26.20	56.00	46.00	Line	PASS
4	1.1321	33.30	22.44	56.00	46.00	Line	PASS
5	1.4581	32.23	21.52	56.00	46.00		PASS
6	13.5603	52.61	45.42	60.00	50.00		PASS







(N Phase)
-----------

No.	Fre.	Emission Level (dBµV)		Limit (	Limit (dBµV)		Verdict
	(MHz)	Quai-peak	Average	Quai-peak	Average	Power-line	
1	0.2444	38.95	28.71	61.95	51.95		PASS
2	0.4917	37.59	31.51	56.14	46.14		PASS
3	0.7212	35.04	22.99	56.00	46.00	Neutral	PASS
4	0.8518	34.79	28.08	56.00	46.00	neuliai	PASS
5	1.0674	34.11	21.92	56.00	46.00		PASS
6	13.5598	54.60	47.65	60.00	50.00		PASS





### 2.3. Radiated Emission

#### 2.3.1. Test Requirement

#### Radiated Emission <30MHz (9 kHz-30MHz, E-field)

According to FCC section 15.225, for <30MHz, Radiated emissions were measured according to ANSIC63.4. The EUT was set to transmit at the highest output power. The EUT was set 30 meter away from the measuring antenna. The loop antenna was positioned 1 meter above the ground from the center of the loop. The measuring bandwidth was set to 10KHz. (Note: During testing the receive antenna was rotated about its axis to maximize the emission from the EUT)

There was no detected Restricted bands and Radiated Spurious emission below 30MHz. The 30m limit was converted to 3m Limit using square factor(x) as it was found by measurements as follows; 3 m Limit(dBuV/m) = 20log(X)+40log(30/3) = 20log(15848)+40log(30/3) = 124dBuV

Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

	Field Stre	Field Strength@3m	
Frequency range (MHz)	μV/m	dBµV/m	dBµV/m
Below 13.110	30	29.5	69.5
13.110 ~ 13.410	106	40.5	80.5
13.410 ~ 13.553	334	50.5	90.5
13.553 ~13.567	15.848	84	124
13.567 ~ 13.710	334	50.5	90.5
13.710 ~14.010	106	40.5	80.5
Above 14.010	30	29.5	69.5

NOTE: a) Field Strength (dB $\mu$ V/m) = 20\*log[Field Strength ( $\mu$ V/m)].

b) In the emission tables above, the tighter limit applies at the band edges.

#### Radiated Emission >30MHz (30MHz-1GHz, E-field)

According to FCC section 15.205, the field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency range (MHz)	Field Strength			
	μV/m	dBµV/m		
30 - 88	100	40		
88 - 216	150	43.5		
216 - 960	200	46		
Above 960	500	54		

NOTE: a) Field Strength (dB $\mu$ V/m) = 20\*log[Field Strength ( $\mu$ V/m)].

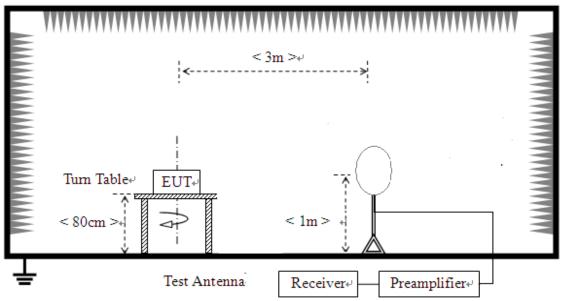
b) In the emission tables above, the tighter limit applies at the band edges.



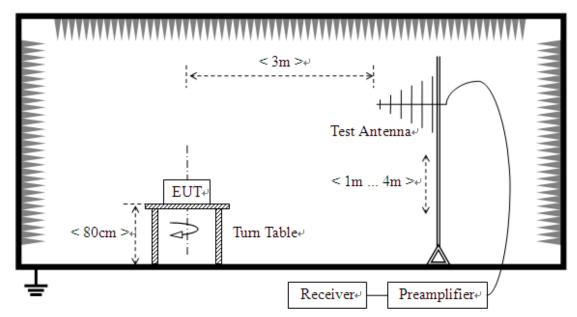


#### 2.3.2. Test Setup

1) For radiated emissions below 30MHz



2) For radiated emissions from 30MHz to1GHz



The test is performed in a 3m Semi-Anechoic Chamber; the antenna factor, cable loss and so on of the site (factors) is calculated to correct the reading. The EUT is placed on a 0.8m high insulating Turn Table, and keeps 3m away from the Test Antenna, which is mounted on a variable-height antenna master tower.





For the test Antenna:

In the frequency range of 9 kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) was used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

For measurements frequency range from 0.009MHz to 0.15MHz, the resolution bandwidth is set to 200kHz.

For measurements frequency range from 0.15MHz to 30MHz the resolution bandwidth is set to 9kHz.

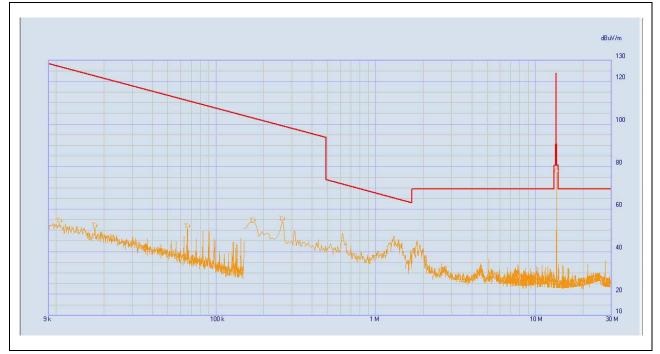
The emission limits shown in the above are based on measurements employing a CISPR quasi-p eak detector except for the frequency bands 9-90 kHz and 110-490 kHz. Radiated emission limits in these three bands are based on measurements employing an average detector.





#### 2.3.3. Test Result

#### A.Radiated Emission <30MHz (9kHz-30MHz, opened)



No.	Frequency (MHz)	Detector Type	Level at 3m (dBµV/m)	Limit at 3m (dBµV/m)
1	0.011	Quasi Peak	53.56	69.5
2	0.017	Quasi Peak	51.37	69.5
3	0.066	Quasi Peak	51.15	69.5
4	0.170	Quasi Peak	53.69	69.5
5	0.260	Quasi Peak	54.67	69.5
6	13.56	Quasi Peak	77.18	124.0





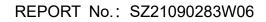
#### B.Radiated Emission <30MHz (9kHz-30MHz, closed)



No.	Frequency (MHz)	Detector Type	Level at 3m (dBµV/m)	Limit at 3m (dBµV/m)
1	0.050	Quasi Peak	70.06	69.5
2	0.100	Quasi Peak	60.79	69.5
3	0.150	Quasi Peak	62.92	69.5
4	0.170	Quasi Peak	66.51	69.5
5	0.260	Quasi Peak	63.22	69.5
6	13.56	Quasi Peak	76.47	124.0

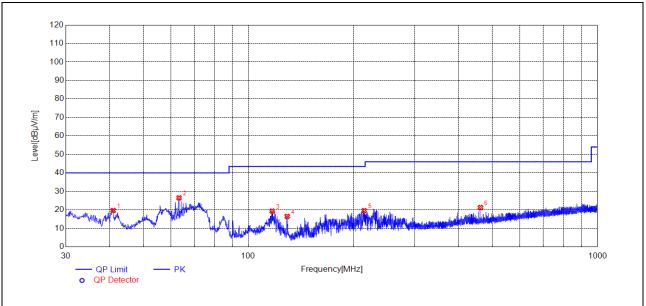


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#### C.Radiated Emission >30MHz (30MHz-1GHz)

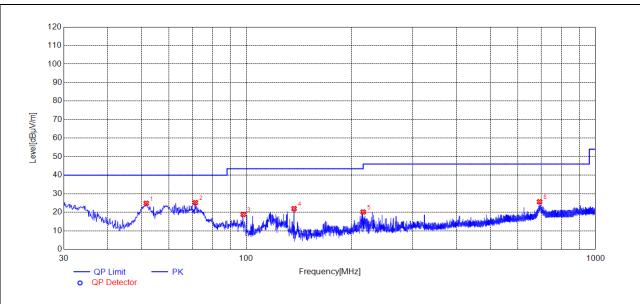


(30MHz – 1GHz,	Test Antenna Horizontal)
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No	Fre.	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	ANT	Vardiat
No.	MHz	dBµV/m	dBµV/m	dBµV/m	dBµV/m	dBµV/m	dBµV/m	ANT	Verdict
1	40.9621	19.68	N/A	N/A	N/A	40.00	N/A	Н	PASS
2	63.2743	26.52	N/A	N/A	N/A	40.00	N/A	Н	PASS
3	116.9207	19.36	N/A	N/A	N/A	43.50	N/A	Н	PASS
4	129.1439	16.49	N/A	N/A	N/A	43.50	N/A	Н	PASS
5	214.6095	19.61	N/A	N/A	N/A	43.50	N/A	Н	PASS
6	462.0812	21.27	N/A	N/A	N/A	46.00	N/A	Н	PASS







(30MHz – 1GHz, Test Antenna Vertical)

No.	Fre.	Pk	QP	AV	Limit-PK	Limit-QP	Limit-AV	ANT	Verdict
INO.	MHz	dBµV/m	dBµV/m	dBµV/m	dBµV/m	dBµV/m	dBµV/m	ANT	verdict
1	51.6332	24.82	N/A	N/A	N/A	40.00	N/A	V	PASS
2	71.4231	25.20	N/A	N/A	N/A	40.00	N/A	V	PASS
3	97.9068	18.83	N/A	N/A	N/A	43.50	N/A	V	PASS
4	136.9047	21.95	N/A	N/A	N/A	43.50	N/A	V	PASS
5	215.9676	20.14	N/A	N/A	N/A	43.50	N/A	V	PASS
6	691.5092	25.66	N/A	N/A	N/A	46.00	N/A	V	PASS



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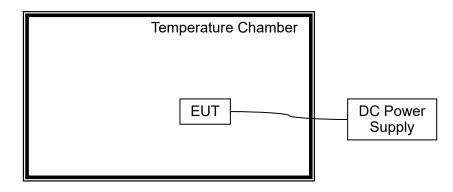


### 2.4. Frequency Tolerance

#### 2.4.1. Test Requirement

According to FCC section 15.225, the devices operating in the 13.553~13.567 MHz shall maintain the carrier frequency within 0.01% of the operating frequency over the temperature variation of -20°C to +50°C using an environmental chamber. The primary supply voltage is varied from 85% to 115% of the voltage normally at the input to the device or at the power supply terminals if cables are not normally supplied.

#### 2.4.2. Test Setup



The EUT, which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT was measured by transmitter mode continuously.





#### 2.4.3. Test Result

#### Operating Frequency: 13,560,000 Hz Deference Voltage: 3.80V Deviant Limit: ±0.01%

	Test Conditions				
VOLTAGE (%)	Power	Temperature	Fre. Dev. (Hz)	Deviation (%)	Verdict
	(VDC)	(°C)			
100		-20	28	0.00021	
100		-10	26	0.00019	
100		0	23	0.00017	
100		+10	23	0.00017	
100	3.80	+20	24	0.00018	
100		+25	26	0.00019	PASS
100		+30	24	0.00018	
100		+40	23	0.00017	
100		+50	25	0.00018	
85	3.50	+20	25	0.00018	
115	4.35	+20	29	0.00021	



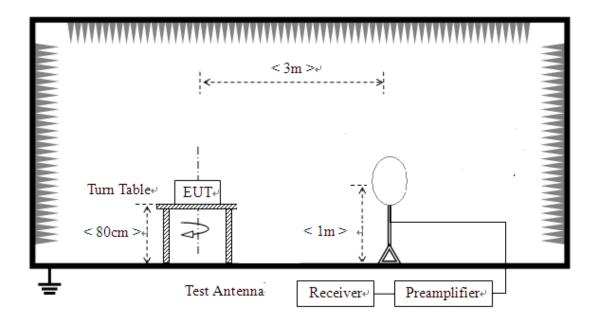


### 2.5. 20 dB Bandwidth

#### 2.5.1. Standard Applicable

According to FCC section 15.215(c), the 20dB bandwidth should be contained within the frequency band designated in the rule section under which the EUT is operated, it was measured with a spectrum analyzer connected the EUT while the EUT is operating in transmission mode.

#### 2.5.2. Test Setup



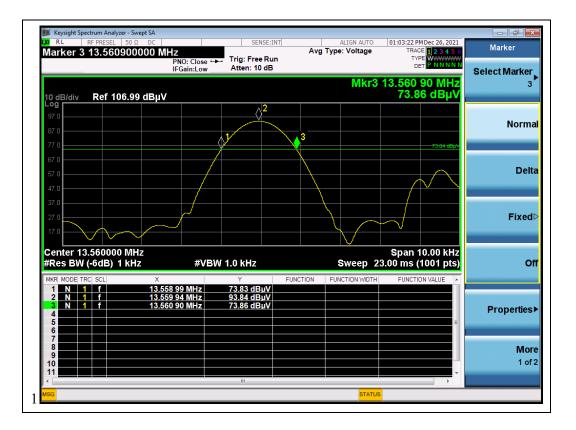


Shenzhen Morlab Communications Technology Co., Ltd. FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China Tel: 86-755-36698555 Fax: 86-755-36698525 Http://www.morlab.cn E-mail: service@morlab.cn



#### 2.5.3. Test Result

	Me	easurement			
Centre	20 dB	Frequency Range	20dB	Frequency	Verdict
Frequency	Bandwidth	(MHz)	Bandwidth	Range(MHz)	Verdict
	(kHz)	(11112)	(kHz)	Range(Imrz)	
13.56MHz	1.91	13. 55899 to 13.56090	14	13.553 to 13.567	PASS





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# **Annex A Test Uncertainty**

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

Radiated Emission:	±3.1dB
Conducted Emission:	±1.8dB
Bandwidth	±5%
Frequency Tolerance	±5%



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Fax: 86-755-36698525



# **Annex B Testing Laboratory Information**

#### 1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
	FL.3, Building A, FeiYang Science Park, No.8 LongChang
Laboratory Address:	Road, Block 67, BaoAn District, ShenZhen, GuangDong
	Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

#### 2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.		
	FL.3, Building A, FeiYang Science Park, No.8 LongChang		
Address:	Road, Block 67, BaoAn District, ShenZhen, GuangDong		
	Province, P. R. China		

#### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.





#### 4. Test Equipments Utilized

#### **4.1 Test Equipments**

Equipment Name	Serial No.	Туре	Manufacturer	Cal. Date	Due Date
Receiver	MY54130016	N9038A	Agilent	2021.07.16	2022.07.15
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2019.05.24	2022.05.23
Test Antenna -	1520 022	FMZB1519	Schwarzbeck	2019.02.14	2022.02.14
Loop	1520-022	FINZBIDI9	Schwarzbeck	2022.02.11	2025.02.10
Anechoic Chamber	N/A	9m*6m*6m	CRT	2020.01.06	2023.01.05
DC Power Supply	1709D361010	IV3610	IVYTECH	2021.10.20	2022.10.19
Temperature Chamber	12108015	DTL-003S101	YOMA	2021.10.20	2022.10.19

#### 4.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Туре	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2021.03.09	2022.03.08
LISN	812744	NSLK 8127	Schwarzbeck	2021.03.09	2022.03.08
Pulse Limiter	VTSD 9561	VTSD	Schwarzbeck	2021.07.21	2022.07.20
(10dB)	F-B #206	9561-F	Schwarzbeck	2021.07.21	2022.07.20
Coaxial					
Cable(BNC)	CB01	EMC01	Morlab	N/A	N/A
(30MHz-26GHz)					

#### 4.3 Test Software Utilized

Model	Software Version	Manufacturer
TS+ -[JS32-RE]	Version 2.5.0.6	Tonscend
TS+ -[JS32-CE]	Version 2.5.0.0	Tonscend
PMM Emission Suite	Version 2.02	narda

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