





NFC TEST REPORT

No.I19Z62084-IOT01

for

TCL Communication Ltd

HSUPA/HSDPA/UMTS Quad Bands/GSM Quad Bands/LTE 10 bands

mobile phone

T799H

FCC ID: 2ACCJN037

with

Hardware Version: 04
Software Version: 4D3K

Issued Date: 2020-01-09

Note:

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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.

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REPORT HISTORY

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1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2005 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (ISED#: 24849). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Location 1: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,

P. R. China 100191

Location 2: CTTL(Shouxiang)

Address: No. 51 Shouxiang Science Building, Xueyuan Road,

Haidian District, Beijing, P. R. China 100191





1.3. <u>Testing Environment</u>

Normal Temperature:

15-35℃

Extreme Temperature: -20/+50°C Normal Relative Humidity: 20-75%

Normal Air Pressure 86Kpa-106Kpa

1.4. Project data

Testing Start Date: 2019-12-20 Testing End Date: 2019-12-21

1.5. Signature

Zhang Qiang

(Prepared this test report)

Pang Shuai

(Reviewed this test report)

Zhu Liang

(Approved this test report)





2. Client Information

2.1. Applicant Information

Company Name: TCL Communication Ltd.

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Park, Shatin, NT, Hong Kong

City: Hong Kong
Country: CHINA

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2.2. <u>Manufacturer Information</u>

Company Name: TCL Communication Ltd.

Address: 5/F, Building 22E, 22 Science Park East Avenue, Hong Kong Science

Park, Shatin, NT, Hong Kong

City: Hong Kong
Country: CHINA

Contact: Gong Zhizhou

Email: zhizhou.gong@tcl.com Telephone: 0086-755-36611722

Fax: 0086-755-36612000-81722





3. Equipment Under Test (EUT)

3.1. About EUT

Description HSUPA/HSDPA/UMTS Quad Bands/GSM Quad Bands/LTE

10 bands mobile phone

Model name/HVIN T799H Brand name TCL

FCC ID 2ACCJN037 UMTS Frequency Band(s) FDD I/II/V/VIII

GSM Frequency Band(s) GSM900/1800/1900/850

E-UTRA Frequency Band(s) FDD 01/03/05/07/08/20/28/38/40/41

Extreme Temperature -10/+55℃ Nominal Voltage 3.85V Extreme High Voltage 4.4V Extreme Low Voltage 3.5V

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
/	/	04	4D3K	/

^{*}EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE

AE ID*	Description	SN
AE1	Battery	/
AE3	Charger	/
AE5	USB Cable	/
AE16	PICC Card	/

^{*}AE ID: is used to identify the test sample in the lab internally.

3.4. EUT Set-ups

Table 1: Eut Set-ups

	_	
EUT Set-up No.	Combination of EUT and AE	Remarks
Set. NFC01	14a+ AE1+ AE3+ AE5+AE16	
Set. NFC02	14a+ AE1+ AE16	
Set. NFC03	13a	

The Transmit State of NFC: the NFC function is on. The EUT will transmit the NFC data and command continuously during the test.

The Transmit state without modulation: The EUT will transmit the CW signal at the operating frequency.





4. Reference Documents

4.1. <u>Documents supplied by applicant</u>

EUT parameters, referring to Annex A for detailed information, are supplied by the client or manufacturer, which are the bases of testing.

4.2. Reference Documents for testing

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

Reference	Title	Version
CFR 47 Part 2	Part 2 — Frequency Allocations and Radio Treaty Matters;	2018
	General Rules and Regulations.	
CFR 47 Part 15	Part 15 — Radio Frequency Devices.	2018
	Subpart C — Intentional Radiators.	
	§ 15.35 Measurement detector functions and bandwidths.	
	§ 15.207 Conducted limits.	
	§ 15.209 Radiated emission limits, general requirements.	
	§ 15.215 Additional provisions to the general radiated	
	emission limitations.	
	§ 15.225 Operation within the band 13.110–14.010 MHz.	
ANSI C63.10	American National Standard of Procedures for Compliance	2013
	Testing of Unlicensed Wireless Devices	





5. Test Results

5.1. Summary of Test Results

Table 2: Summary of Test Results

No	Test Cases	Clause in Regulation	Section in This Report	Verdict	
1	Electric Field Strength of	CFR 47 § 15.225(a)		D(Sot NECO3)	
	Fundamental Emissions	CFR 47 § 15.225(a)	B.1	P(Set. NFC02)	
2	Electric Field Strength of	CFR 47 § 15.225(b)	D. I	P(Set. NFC02)	
2	Outside the Allocated Bands	CFR 47 § 15.225(c)		P(Set. NFC02)	
3	Electric Field Radiated	CFR 47 § 15.209	B.2	P(Set. NFC01)	
3	Emissions	CFR 47 § 15.225(d)	B.3	P(Set. NFC01)	
4	Frequency Tolerance	CFR 47 § 15.225(e)	B.4	P(Set. NFC03)	
5	20dB Bandwidth	CFR 47 § 15.215(c)	B.5	P(Set. NFC03)	
6	Conducted Emissions	CFR 47 § 15.207	B.6	P(Set. NFC01)	
The	The measurement is carried out according to ANSI C63.10. See ANNEX B for details.				

Test Conditions:

For this report, all the test cases listed above were tested under normal Temperature, Voltage, humidity and Air Pressure except the Frequency Tolerance test case. The specific conditions of Frequency Tolerance test case are listed in section B.4.3

See Table 3 for terms for result verdict:

Table 3 Terms for result verdict

Р	Pass, The EUT complies with the essential requirements in the standard.
NP	Not Perform, The test was not performed by CTTL
NA	Not Applicable, The test was not applicable
F	Fail, The EUT does not comply with the essential requirements in the standard

5.2. Statements

This model is a variant product of the model T799B; and all the tests are performed on T799B. The test cases listed in Section 5.1 of this report for the EUT specified in Section 3 were performed by CTTL according to the reference documents in Section 4.

The EUT meets all applicable requirements of the regulations and standards in Section 4.2.





6. Test Facilities Utilized

Table 4: Test Facilities Utilized

	Table 4. Test Facilities Chilecu					
NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CAL. DUE DATE	CAL. INTERVAL
1.	Spectrum Analyzer	RSA3408A	B010277	Tektronix	2020-09-26	1 Year
2.	Climatic chamber	SH242	93008658	ESPEC	2020-02-27	1 Year
3.	Vector Signal Analyzer	FSQ40	200089	Rohde & Schwarz	2020-05-15	1 Year
4.	H-field Antenna	HFH2-Z2	829324/007	R&S	2020-12-03	1 Year
5.	Test Receiver	ESCI	100344	R&S	2020-02-14	1 Year
6.	Universal Radio Communication Tester	CMW500	150344	R&S	2019-12-27	1 Year
7.	Universal Radio Communication Tester	CMW500	116588	R&S	2019-12-26	1 Year
8.	LISN	ENV216	101200	R&S	2020-03-14	1 Year
9.	Test Receiver	ESU26	100235	Rohde & Schwarz	2020-03-01	1 Year
10.	BiLog Antenna	VULB9163	9163-1222	Schwarzbeck	2020-03-14	1 Year





7. Measurement Uncertainty

Table 5: Measurement Uncertainty

140.10 0 0 1.1040 41.0110 0 1.1001 0 1.1001				
Item	Uncertainty			
Frequency Tolerance	U =60.80 Hz, k=1.96			
20dB Bandwidth	<i>U</i> =77 Hz, k=2			
Radiated Emissions (<1GHz)	<i>U</i> =4.86 dB, k=2			
Radiated Emissions (>1GHz)	<i>U</i> =5.26 dB, k=2			
Conducted emission	<i>U</i> = 3.38 dB, k=2			





ANNEX A: EUT parameters

/





ANNEX B: Detailed Test Results

B.1. Electric Field Strength of Fundamental and Outside the Allocated bands

B.1.1. Reference

See Clause 4, Clause 5 of ANSI C63.10-2013 generally.

B.1.2. Measurement Methods

The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The E-field is measured with a shielded loop antenna connected to a measurement receiver. Detected E-field was maximized by rotating the EUT through 360° and adjusting the receiving antenna polarizations. The maximization processes were repeated with the EUT positioned respectively in its three orthogonal axes. The measurements were performed with the peak detector and if required, the quasi-peak detector.

The measurement bandwidth is:

Table B-1: Measurement bandwidth

Frequency of Emission (MHz)	RBW/VBW	
12.56-14.56	10/30 kHz	

The E-field measured at 3m is calculated as:

E-field $(dB\mu V/m) = Rx (dB\mu V) + Cable Loss (dB) + AF@3m (dB/m)$

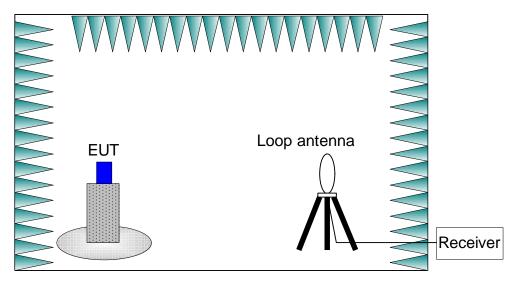


Figure B-1: Measurement Setup

B.1.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC(See 3.4). The EUT is powered by a travel adapter.





During the measurements, the ambient temperature of the electromagnetic anechoic chamber is in the range of 15 \sim 25 $^{\circ}$ C.

B.1.4. Limits

Table B-2: Limits

Frequency Range (MHz)	E-field Strength Limit @ 30 m (μV/m)	E-field Strength Limit @ 3 m (dBµV/m)	
13.560 ± 0.007	+15,848	124	
13.410 to 13.553	+334	90	
13.567 to 13.710	+334	90	
13.110 to 13.410	1106	01	
13.710 to 14.010	+106	81	

Note: Where the limits have been defined at one distance, and a signal level measured at another, the limits have been extrapolated using the following formula:

Extrapolation(dB) = $40\log_{10}$ (Measurement Distance/Specification Distance)

B.1.5. Measurement Results

Measurement results of normal conditions see Figure B-2 for different set-ups of EUT. The results displayed take into account applicable antenna factors and cable losses.

Conclusions: Set.NFC02, PASS.

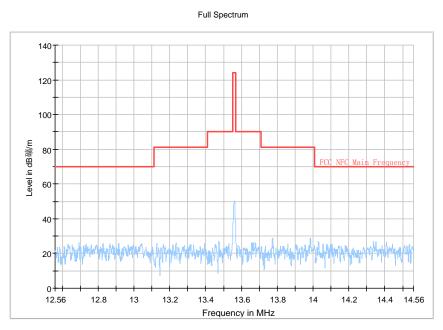


Figure B-2: Measurement results for Electric Field Strength of Fundamental and Outside the Allocated bands

B.2. Electric Field Radiated Emissions (< 30MHz)

B.2.1. Reference





See Clause 6.4 of ANSI C63.10-2013 specifically. See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

B.2.2. Measurement Methods

The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The E-field is measured with a shielded loop antenna connected to a measurement receiver. Detected E-field was maximized by rotating the EUT through 360° and adjusting the receiving antenna polarizations. The maximization processes were repeated with the EUT positioned respectively in its three orthogonal axes. The measurements were performed with the peak detector and if required, the quasi-peak detector.

The measurement bandwidth is:

Table B-3: Measurement bandwidth

Frequency of Emission (MHz)	RBW/VBW
0.009-0.15	100/300 Hz
0.15-30	10/30 kHz

The E-field measured at 3m is calculated as:

E-field $(dB\mu V/m) = Rx (dB\mu V) + Cable Loss (dB) + AF@3m (dB/m)$

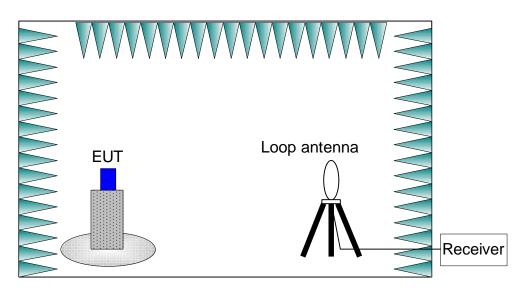


Figure B-3: Measurement Setup

B.2.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC(See 3.4).

The EUT is powered by a travel adapter.

During the measurements, the ambient temperature of the electromagnetic anechoic chamber is

in the range of $15 \sim 25$ °C.

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B.2.4. Limits

Table B-4: Limits

Frequency Range (MHz)	E-field Strength Limit @ 30m (mV/m)	E-field Strength Limit @ 3m (dBµV/m)		
0.009-0.490	2400/F(kHz)	129-94		
0.490-1.705	24000/F(kHz)	74-63		
1.705-30	30	70		

Note: Where the limits have been defined at one distance, and a signal level measured at another, the limits have been extrapolated using the following formula:

Extrapolation(dB) = $40\log_{10}$ (Measurement Distance/Specification Distance)

B.2.5. Measurement Results

Measurement results of normal conditions see Figure B-4 for different set-ups of EUT. The results displayed take into account applicable antenna factors and cable losses.

Conclusions: Set.NFC01, PASS.

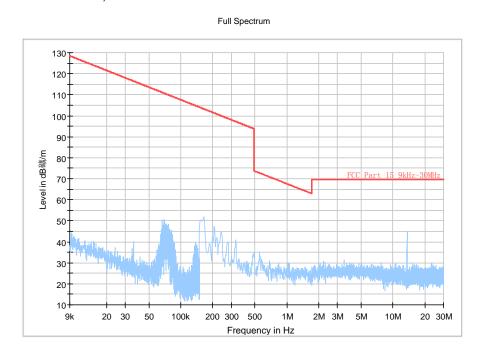


Figure B-4: Measurement results for Electric Field Radiated Emissions (< 30MHz)

B.3. Electric Field Radiated Emissions (≥30MHz)

B.3.1. Reference

See Clause 6.5 of ANSI C63.10-2013 specifically.

See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.





B.3.2. Measurement Methods

The electric field radiated emissions from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 10m from the receiving antenna. The receiving antennas connected to a measurement receiver. In order to search for maximum field strength emitted from the EUT, the receiving antenna can be moved between the height of 1.0 m to 4.0 m. Detected E-field was maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna positions for both vertical and horizontal antenna polarizations. The maximization processes were repeated with the EUT positioned respectively in its three orthogonal axes. The measurements were performed with the peak detector and if required, the quasi-peak detector.

The measurement bandwidth is:

Table B-5: Measurement bandwidth

Frequency of Emission (MHz)	RBW/VBW		
30-1000	120kHz		

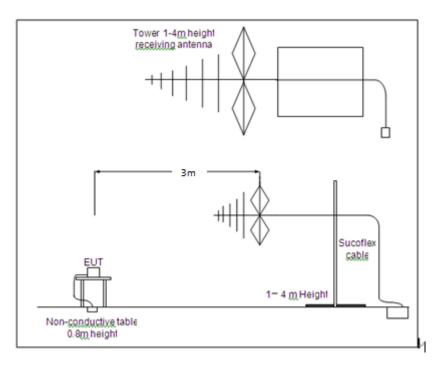


Figure B-5: Measurement Setup

B.3.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC(See 3.4).

The EUT had been connected to a travel adapter.

During the measurements, the ambient temperature of the electromagnetic anechoic chamber is in the range of $15 \sim 25$ °C.

B.3.4. Limits

Table B-6: Limits

Frequency E-field Strength Limit E-field Strength Limit	E-field Strength Limit
---	------------------------





Range (MHz)	@ 3m	@ 3m	@ 10m
	(mV/m)	(dBµV/m)	(dBµV/m)
30-88	100	40	30
88-216	150	43.5	33.5
216-960	200	46	36
960-1000	500	54	44

B.3.5. Measurement Results

Measurement results of normal conditions see Figure B-6 for different set-ups of EUT. The results displayed take into account applicable antenna factors and cable losses.

Conclusions: Set.NFC01, PASS.

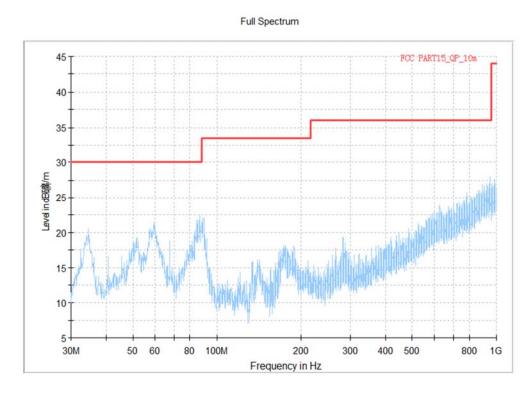


Figure B-6: Measurement results for Electric Field Radiated Emissions (≥30MHz)

B.4. Frequency Tolerance

B.4.1. Reference

See Clause 6.8 of ANSI C63.10-2013 specifically. See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

B.4.2. Measurement Methods





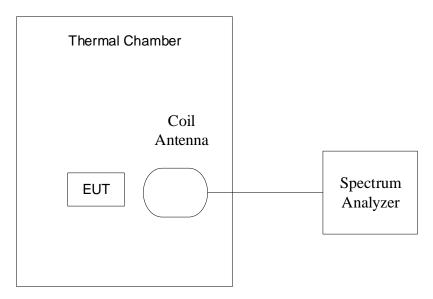


Figure B-7: Measurement Setup

The transmitter output signal was picked up by coil antenna connected to the spectrum analyzer. The center frequency was measured with 30Hz RBW and 1kHz span.

During the test, the EUT was placed in a thermal chamber until thermal balance and lasting appropriate time.

B.4.3. EUT Operating Mode and Test Conditions

The measurement of EUT was carried out under the transmit state of without modulation(See 3.4). EUT had not been connected to a travel adapter. The frequency stability was measured with the different voltage and temperature combinations:

- a) The nominal voltage 3.85V(See 3.1)was used and the temperature was varied from -20°C to +50°C in 10°C increments using an environmental chamber.
- b) The 20° C was used and the voltages were 3.5V, 3.85V and 4.4V (The extreme low voltage ,the nominal voltage and the extreme high voltage defined in section 3.1).

The details were as following:

Table B-7: Combinations of Voltage and Temperature

Test items	Voltage	Temperature
Frequency		-20 ℃
stability with respect		-10℃
to ambient		0℃
temperature	3.85V	10℃
		20 ℃
		30℃
		40℃
		50 ℃
Frequency stability	3.5V	
when varying supply	3.85V	20 ℃
voltage	4.4V	





B.4.4. Test Layouts

See B.4.2.

B.4.5. Limits

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% of the operating frequency.

B.4.6. Measurement Results

Measurement results see Table B-8 for different test conditions.

Conclusions: Set.NFC03, PASS.

Table B-8: Measurement results for Frequency Tolerance

Table B-0. Measurement results for Frequency Tolerance							
Temperature	Voltage	Frequency (MHz)					
remperature	vollage	Startup	2 Min Later	5 Min Later	10 Min Later		
-20 ℃	3.85V	13.56002724	13.56002404	13.56002564	13.56002885		
-10 ℃	3.85V	13.56005369	13.5600609	13.5600617	13.56006891		
0℃	3.85V	13.56007452	13.56007212	13.5600762	13.56007933		
10℃	3.85V	13.56006651	13.5600641	13.5600617	13.56006651		
20℃	3.85V	13.56003926 13.56003686		13.56003606	13.56003846		
30℃	3.85V	13.5600881	13.5600641	13.56000321	13.5600016		
40℃	3.85V	13.55997676	13.55997596	13.55997356	13.55997596		
50℃	3.85V	13.55995994	13.55995673	13.55995192	13.55995353		
20℃	3.5V	13.56004167	13.56003606	13.56002965	13.56002163		
20℃	3.85V	13.56003926	13.56003686	13.56003606	13.56003846		
20℃	4.4 V	13.56003125	13.56004547	13.56001843	13.56002404		

Temperature	Voltage	Frequency Error (%)						
remperature	voltage	Startup	2 Min Later	5 Min Later	10 Min Later			
-20 ℃	3.85V	0.000	0.000	0.000	0.000			
-10 ℃	3.85V	0.000	0.000	0.000	0.001			
0℃	3.85V	0.001	0.001	0.001	0.001			
10℃	3.85V	0.000	0.000	0.000	0.000			
20℃	3.85V	0.000	0.000	0.000	0.000			
30℃	3.85V	0.001 0.000		0.000	0.000			
40℃	3.85V	0.000	0.000	0.000	0.000			
50℃	3.85V	0.000	0.000	0.000	0.000			
20℃	3.5V 0.000		0.000	0.000	0.000			
20℃	3.85V	0.000	0.000	0.000	0.000			
20℃	4.4V	0.000	0.000	0.000	0.000			

B.4.7. Measurement Uncertainty

Measurement uncertainty: *U* =60.80 Hz, *k*=1.96





B.5. 20dB Bandwidth

B.5.1. Reference

See Clause 6.9 of ANSI C63.10-2013 specifically. See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

B.5.2. Measurement Methods

The transmitter output signal was picked up by coil antenna connected to the spectrum analyzer. The bandwidth of the center frequency was measured with 140Hz RBW, 420Hz VBW and 14kHz span.

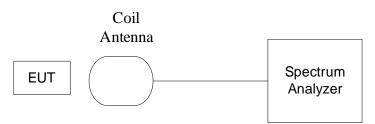


Figure B-8: Measurement Setup

B.5.3. EUT Operating Mode and Test Conditions

The measurement of EUT was carried out under the transmit state of NFC (See 3.4). EUT had not been connected to a travel adapter.

During the measurements, the ambient temperature was in the range of 15 ~ 25 °C.

B.5.4. Test Layouts

See B.5.2.

B.5.5. Limits

The 20dB bandwidth shall be less than 80% of the permitted frequency band. For 13.56 MHz NFC, the permitted frequency band is 14kHz, so the limit is 11.2 kHz.

B.5.6. Measurement Results

Measurement results see Figure B-9.

Conclusions: Set.NFC03, PASS.





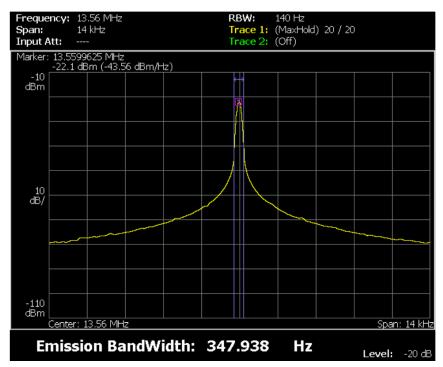


Figure B-9: Measurement results for 20dB Bandwidth

B.5.7. Measurement Uncertainty

Measurement uncertainty: *U* =77 Hz, k=2

B.6. Conducted emission

B.6.1. Reference

See Clause 6.2 of ANSI C63.10-2013 specifically.

See Clause 4 and Clause 5 of ANSI C63.10-2013 generally.

B.6.2. Measurement Methods

The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

The conducted emission measurements were made with the following detector of the test receiver: Quasi-Peak / Average Detector.

The measurement bandwidth is:

Table B-9: Measurement Bandwidth

Frequency of Emission (MHz)	RBW/VBW		
0.15-30	9kHz		





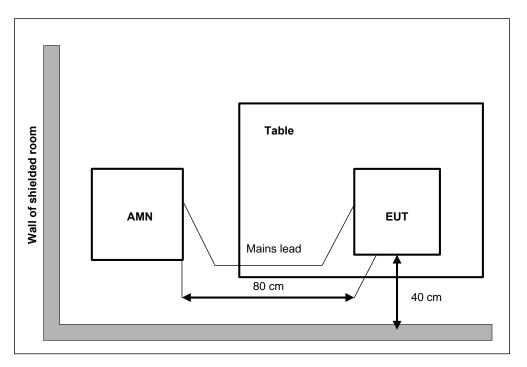


Figure B-10: Measurement Setup

B.6.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC(See 3.4).

The EUT is powered by a travel adapter.

During the measurements, the ambient temperature is in the range of 15 ~ 25 $^{\circ}$ C.

B.6.4. Limits

Table B-10: Limits

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average Limit (dBμV)
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 to 30	60	50

B.6.5. Measurement Results

Measurement results see Figure B-11.

Conclusions: Set.NFC01, PASS.





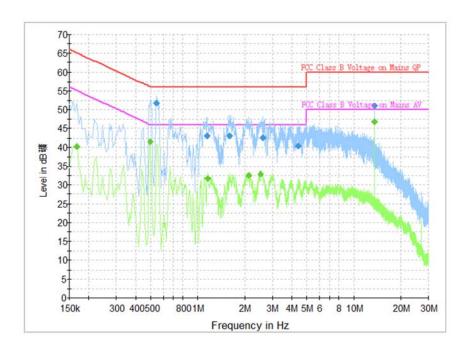


Figure B-11: Measurement results for Conducted Emission

Final Result 1

Table B-11: Final Result 1

Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit	Comment
(MHz)	(dBuV)	Time	(kHz)			(dB)	(dB)	(dBuV)	
		(ms)							
0.546000	51.8	1000.0	9.000	On	L1	19.8	4.2	56.0	
1.144500	43.0	1000.0	9.000	On	L1	19.7	13.0	56.0	
1.590000	43.2	1000.0	9.000	On	L1	19.6	12.8	56.0	
2.620500	42.6	1000.0	9.000	On	L1	19.6	13.4	56.0	
4.389000	40.4	1000.0	9.000	On	L1	19.6	15.6	56.0	
13.560000	51.1	1000.0	9.000	On	L1	19.8	8.9	60.0	

Final Result 2

Table B-12: Final Result 2

Frequency	Average	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit	Comment
(MHz)	(dBuV)	Time	(kHz)			(dB)	(dB)	(dBuV)	
		(ms)							
0.168000	40.2	1000.0	9.000	On	L1	26.8	14.8	55.1	
0.496500	41.6	1000.0	9.000	On	L1	19.8	4.4	46.1	
1.153500	31.6	1000.0	9.000	On	L1	19.7	14.4	46.0	
2.112000	32.6	1000.0	9.000	On	L1	19.6	13.4	46.0	
2.535000	32.8	1000.0	9.000	On	L1	19.6	13.2	46.0	
13.560000	46.8	1000.0	9.000	On	L1	19.8	3.2	50.0	





ANNEX C: Persons involved in this testing

Table C-1: Persons involved

Test Item	Tester
20dB Bandwidth	Zhou Bin
Frequency Tolerance	Zhou Bin
Electric Field Strength of Fundamental and Outside the Allocated bands	LiPengfei
Electric Field Radiated Emissions (< 30MHz)	LiPengfei
Electric Field Radiated Emissions (≥30MHz)	LiPengfei
Conducted Emissions	Shisuolan





ANNEX D: Accreditation Certificate

United States Department of Commerce National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT

Beijing China

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Electromagnetic Compatibility & Telecommunications

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2019-09-26 through 2020-09-30

Effective Dates



For the National Voluntary Laboratory Accreditation Program

END OF REPORT