





NFC TEST REPORT

No.23T04Z80846-01

for

TCL Communication Ltd.

GSM/UMTS/LTE/NR Mobile phone

T613P

FCC ID: 2ACCJH182

with

Hardware Version: 05

Software Version: 6FSE

Issued Date: 2024-02-05

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.

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, website: www.caict.ac.cn





REPORT HISTORY

Report Number	Revision	Description	Issue Date
23T04Z80846-01	Rev.0	1 st edition	2024-02-05

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





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1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2017 accredited test laboratory under American Association for Laboratory Accreditation (A2LA) with lab code 7049.01, and is also an FCC accredited test laboratory (CN1349), and ISED accredited test laboratory (CAB identifier:CN0066). The detail accreditation scope can be found on A2LA 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(Cui Hu)

Address: CuiHu Cloud Center No.1 Gaolizhang Road, Wenquan

Town, Haidian District, Beijing, China





1.3. <u>Testing Environment</u>

Normal Temperature: 15-35°C

Extreme Temperature: -20/+50°C

Normal Relative Humidity: 20-75%

Normal Air Pressure 86Kpa-106Kpa

1.4. Project data

Testing Start Date: 2024-01-09
Testing End Date: 2024-01-26

1.5. Signature

菌有牛

Miao Qinghua

(Prepared this test report)

Zhou Bin

(Reviewed this test report)

Pang Shuai

(Approved this test report)





2. Client Information

2.1. Applicant Information

Company Name: TCL Communication Ltd.

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

Shatin, NT, Hong Kong

Contact: Annie Jiang

Telephone: +86 755 3661 1621

Email: nianxiang.jiang@tcl.com

2.2. Manufacturer Information

Company Name: TCL Communication Ltd.

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

Park, Shatin, NT, Hong Kong

Contact: Annie Jiang

Telephone: +86 755 3661 1621

Email: nianxiang.jiang@tcl.com





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

3.1. About EUT

Description GSM/UMTS/LTE/NR Mobile phone

Model Name T613P

FCC ID 2ACCJH182

GSM Frequency bands 900/1800/1900/850 UMTS Frequency bands FDD I/II/IV/V/VIII

E-UTRA Frequency FDD 1/2/3/4/5/7/8/12/13/17/20/25/26/28A+B/32/66

bands TDD 38/40/41/42/48

5G NR Frequency bands SA n1/n2/n3/n5/n7/n20/n26/n28/n38/n40/n41/n48/n66/n71/n77/n78

NSA n1/n3/n5/n7/n28/n38/n40/n41/n66/n78

Operating temperature -10/+55°C
Extreme low voltage 3.6V
Normal voltage 3.87V
Extreme high voltage 4.45V

3.2. Internal Identification of EUT

EUT ID*	SN or IMEI	HW Version	SW Version
UT08a	016499000013538/	05	6FSE
	016499000013561	05	OFSE
UT13a	356497200002002/	05	6ESE
	356497200002093	05	6FSE

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

3.3. <u>Internal Identification of AE</u>

AE ID*	Description	Model	Manufacturer	Note
AE1	Charger	805A-018A-1A	Shenzhen Baijunda Electronic Co., Ltd.	
AE2	Charger	HJ-FC001K7-US	Shenzhen Huajin Electronic Co., Ltd.	
AE3	USB Cable	FKY-23-395	FKY	
AE4	USB Cable	HX-KS-11	WASHIN	
AE5	Headset	HF-B0469A10	SKD	

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

3.4. EUT Set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.NFC01	UT13a + AE1/2 + AE5 + AE3/4 + NFC Card	Charge
Set.NFC02	UT13a + NFC card	NFC
Set.NFC03	UT08a	

The Transmit State of NFC: the NFC function is on. The EUT will transmit the NFC data and
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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;	2019
	General Rules and Regulations.	
CFR 47 Part 15	Part 15 — Radio Frequency Devices.	2019
	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

No	Test Cases	Clause in Regulation	Section in This Report	Verdict
1	Electric Field Strength of	CFR 47 § 15.225(a)		P(Set. NFC02)
ı	Fundamental Emissions	CFR 47 § 15.225(a)	B.1	P(Set. NPC02)
2	Electric Field Strength of	CFR 47 § 15.225(b)	D. I	P(Set. NFC02)
	Outside the Allocated Bands	CFR 47 § 15.225(c)		
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	measurement is carried out acco	ording to ANSI C63.10. S	ee 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 1 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

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

NO.	NAME	TYPE	SERIES NUMBER	PRODUCER	CAL. DUE DATE	CAL. INTERVAL
1.	Spectrum Analyzer	N9030A	MY49432143	Keysight Technologies	2024-12-16	1 Year
2.	Climatic chamber	WK3-340/70	58226117510010	WEISS	2024-08-08	1 Year
3.	Test Receiver	ESW44	103023	R&S	2024-07-08	1 Year
4.	H-field Antenna	HFH2-Z2	829324/007	R&S	2024-12-23	2 Years
5.	EMI Antenna	VULB 9163	01222	SCHWARZBECK	2024-02-28	1 Year
6.	Test Receiver	ESCI	100344	R&S	2024-02-21	1 Year





7. Measurement Uncertainty

Item	Uncertainty
Frequency Tolerance	U =74 Hz, k=2
20dB Bandwidth	<i>U</i> =74 Hz, k=2
Radiated Emissions(9kHz-30MHz)	<i>U</i> =4.92 dB, k=2
Radiated Emissions (30MHz-1GHz)	<i>U</i> =5.18 dB, k=2
Radiated Emissions (>1GHz)	<i>U</i> =5.54 dB, k=2
Conducted emission	<i>U</i> = 3.08 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 $(dB\mu V/m) = Rx (dB\mu V) + Cable Loss (dB) + AF@3m (dB/m)$

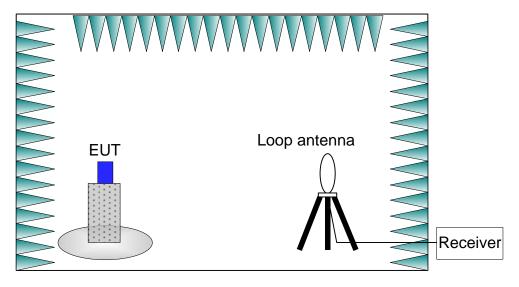


Figure B-1: Measurement Setup

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 ~ 25 $\,^{\circ}$ C.

B.1.4. Limits

Table B-2: Limits

Fraguency Bongo (MUz)	E-field Strength Limit @ 30 m	E-field Strength Limit @ 3 m
Frequency Range (MHz)	(μ V/m)	(dBµV/m)
13.560 ± 0.007	+15,848	124
13.410 to 13.553	+334	00
13.567 to 13.710	+334	90
13.110 to 13.410	+106	01
13.710 to 14.010	Ŧ 100	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.

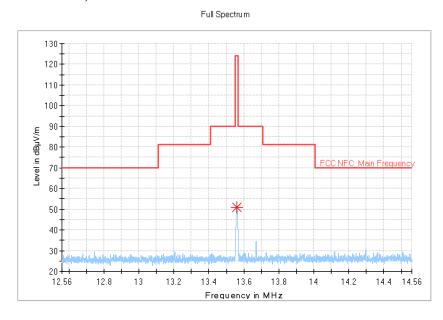


Figure B-2: Measurement results for Electric Field Strength of Fundamental and Outside the Allocated bands

Frequency	MaxPeak	Limit	Margin	Meas. Time	Bandwidth	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(kHz)		(deg)	(dB/m)
13.559250	51.00	124.00	73.00			V	208.0	17.9





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:

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

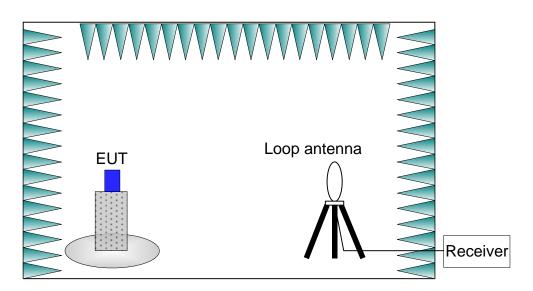


Figure B-3: Measurement Setup

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 $^{\circ}$ C.

B.2.4. 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.

Full Spectrum

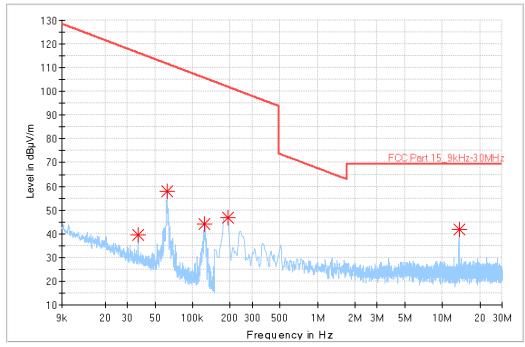


Figure B-4: Measurement results for Electric Field Radiated Emissions (< 30MHz)

Frequency	MaxPeak	Limit	Margin	Meas. Time	Bandwidth	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(ms)	(kHz)		(deg)	(dB/m)
0.036495	39.64	116.35	76.71			٧	90.0	18.2
0.062510	58.10	111.68	53.58			V	0.0	18.1
0.124564	44.01	105.69	61.68		-	V	0.0	18.0
0.191044	46.97	101.98	55.00			V	0.0	18.0
13.560113	41.93	69.50	27.57			V	90.0	17.9





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:

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

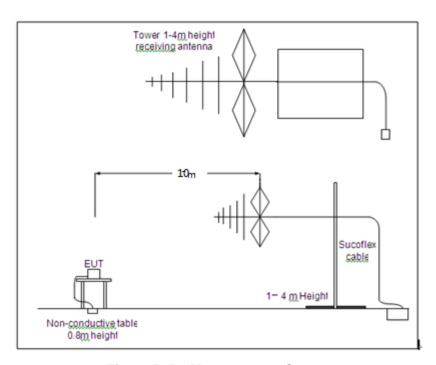


Figure B-5: Measurement Setup

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 $^{\circ}$ C.



B.3.4. Limits

Frequency Range (MHz)	E-field Strength Limit @ 3m (mV/m)	E-field Strength Limit @ 3m (dBµV/m)	E-field Strength Limit @ 10m (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.



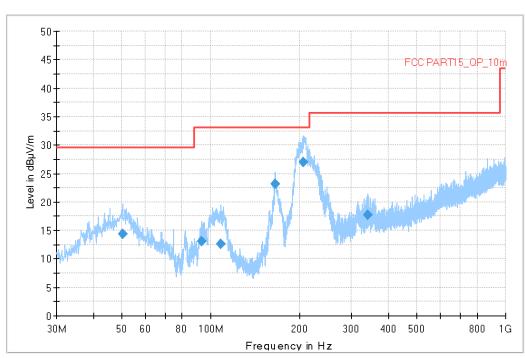


Figure B-6: Measurement results for Electric Field Radiated Emissions (≥30MHz) Final_Result

Frequency	QuasiPeak	Limit	Margin	Bandwidth	Height	Pol	Azimuth	Corr.
(MHz)	(dBµV/m)	(dBµV/m)	(dB)	(kHz)	(cm)		(deg)	(dB/m)
50.370000	14.40	29.54	15.14	120.000	100.0	V	31.0	-10.7
93.341000	13.11	33.06	19.95	120.000	275.0	V	-44.0	-13.5
108.473000	12.61	33.06	20.45	120.000	125.0	V	193.0	-12.5
165.315000	23.23	33.06	9.83	120.000	100.0	V	-25.0	-14.6
205.376000	27.01	33.06	6.05	120.000	100.0	V	245.0	-12.3
340.691000	17.74	35.56	17.82	120.000	100.0	V	84.0	-7.1





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

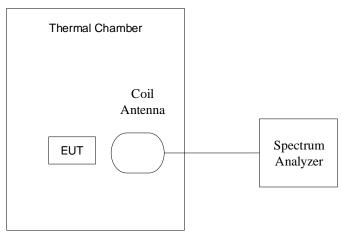


Figure B-7: Measurement Setup

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 3.87V(See 3.1)was used and the temperature was varied from -20 $^{\circ}$ C to +50 $^{\circ}$ C in 10 $^{\circ}$ C increments using an environmental chamber.
- b) The 20 $^{\circ}$ C was used and the voltages were 3.6V, 3.87V and 4.45V (The extreme low voltage ,the normal voltage and the extreme high voltage).

The details were as following:

 Table B-3:
 Combinations of Voltage and Temperature

Test items	Voltage	Temperature
Frequency		-20 ℃
stability with respect		-10℃
to ambient		0℃
temperature	3.87V	10℃
		20℃
		30℃
		40℃





		50℃
Frequency stability	3.6V	
when varying supply	3.87V	20℃
voltage	4.45V	

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-4 for different test conditions.

Conclusions: Set.NFC03, PASS.

Table B-4: Measurement results for Frequency Tolerance

	Tuble B ii Wiedsurement results for Frequency Tolerance						
Temperature	Voltage	Frequency (MHz)					
remperature	vollage	Startup	2 Min Later	5 Min Later	10 Min Later		
-20 ℃	3.87V	13.560567000	13.560576000	13.560585000	13.560585000		
-10 ℃	3.87V	13.560576000	13.560576000	13.560585000	13.560594000		
0℃	3.87V	13.560549000	13.560558000	13.560567000	13.560567000		
10℃	3.87V	13.560522000	13.560531000	13.560549000	13.560558000		
20℃	3.87V	13.560510000	13.560504000	13.560504000	13.560504000		
30℃	3.87V	13.560544000	13.560522000	13.560513000	13.560504000		
40 ℃	3.87V	13.560486000	13.560477000	13.560468000	13.560468000		
50 ℃	3.87V	13.560459000	13.560468000	13.560448000	13.560448000		
20℃	3.6V	13.560464000	13.560472000	13.560488000	13.560496000		
20℃	4.45V	13.560495000	13.560495000	13.560512000	13.560522000		

Tomporatura	Voltage	Frequency Error (%)				
Temperature	Voltage	Startup	2 Min Later	5 Min Later	10 Min Later	
-20 ℃	3.87V	0.004	0.004	0.004	0.004	
-10°C	3.87V	0.004	0.004	0.004	0.004	
0℃	3.87V	0.004	0.004	0.004	0.004	
10℃	3.87V	0.004	0.004	0.004	0.004	
20℃	3.87V	0.004	0.004	0.004	0.004	
30℃	3.87V	0.004	0.004	0.004	0.004	
40℃	3.87V	0.004	0.004	0.003	0.003	
50℃	3.87V	0.003	0.003	0.003	0.003	
20℃	3.6V	0.003	0.003	0.004	0.004	
20℃	4.45V	0.004	0.004	0.004	0.004	





B.4.7. Measurement Uncertainty

Measurement uncertainty: U = 74 Hz, k=2

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 470Hz RBW, 1.5kHz VBW and 10kHz span.

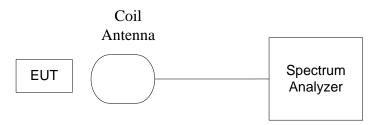


Figure B-8: Measurement Setup

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* =74 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-5: Measurement Bandwidth

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

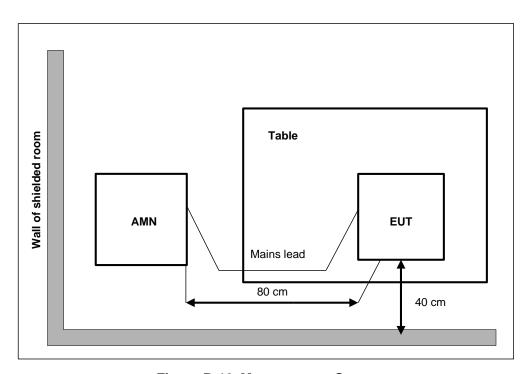


Figure B-10: Measurement Setup

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 $15 \sim 25$ °C.

B.6.4. 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.

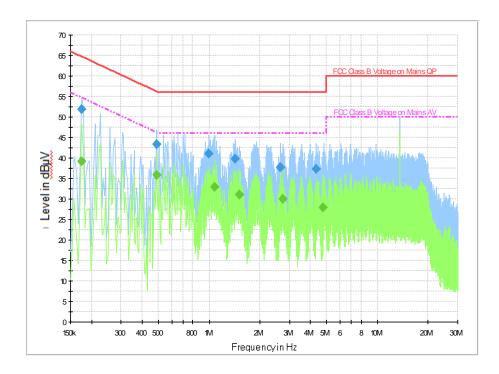


Figure B-11: Measurement results for Conducted Emission

Final Result 1

Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.174000	51.9	2000.0	9.000	On	L1	19.7	12.9	64.8
0.486000	43.4	2000.0	9.000	On	L1	19.7	12.8	56.2
0.998000	41.0	2000.0	9.000	On	L1	19.7	15.0	56.0
1.434000	39.8	2000.0	9.000	On	L1	19.6	16.2	56.0
2.658000	37.6	2000.0	9.000	On	L1	19.6	18.4	56.0
4.330000	37.3	2000.0	9.000	On	L1	19.6	18.7	56.0

Final Result 2

Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.174000	39.2	2000.0	9.000	On	L1	19.7	15.6	54.8
0.486000	35.8	2000.0	9.000	On	L1	19.7	10.4	46.2
1.082000	33.0	2000.0	9.000	On	L1	19.7	13.0	46.0
1.514000	31.0	2000.0	9.000	On	L1	19.6	15.0	46.0
2.746000	30.1	2000.0	9.000	On	L1	19.6	15.9	46.0
4.754000	27.9	2000.0	9.000	On	L1	19.6	18.1	46.0





ANNEX C: Persons involved in this testing

Test Item	Tester
20dB Bandwidth	Miao Qinghua
Frequency Tolerance	Miao Qinghua
Electric Field Strength of Fundamental and Outside	Ding Zai
the Allocated bands	
Electric Field Radiated Emissions (< 30MHz)	Ding Zai
Electric Field Radiated Emissions (≥30MHz)	Ding Zai
Conducted Emissions	Zhang Tianli





ANNEX D: Accreditation Certificate





Accredited Laboratory

A2LA has accredited

TELECOMMUNICATION TECHNOLOGY LABS, CAICT

Beijing, People's Republic of China

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 26th day of June 2023.

Mr. Trace McInturff, Vice President, Accreditation Services For the Accreditation Council Certificate Number 7049.01

Valid to July 31, 2024

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

END OF REPORT