

TEST REPORT

No. I22N02185-NFC

for

unitech electronics co., ltd.

Rugged Handheld Computer

Model Name: PA768

with

Hardware Version: FH09_MB_PCB_V1.3

Software Version: RAYA_V03.25b02_20221010

FCC ID: HLEPA768BWNW

IC: 6724A-PA768BWNW

Issued Date: 2022-12-15

Designation Number: CN1210

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 SAICT.

Test Laboratory:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I22N02185-NFC	Rev.0	1st edition	2022-12-15

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



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1. Summary of Test Report

1.1. Test Items

Description Rugged Handheld Computer

Model Name PA768

Applicant's name unitech electronics co., ltd.

Manufacturer's Name unitech electronics co., ltd.

1.2. Test Standards

FCC Part15-2019; ANSI C63.4-2014; RSS-210 Issue 10; RSS-Gen Issue 5

1.3. Test Result

Pass

Please refer to 5.2 Test Results.

1.4. Testing Location

Address: Building G, Shenzhen International Innovation Center, No.1006 Shennan Road, Futian District, Shenzhen, Guangdong, P. R. China 518000

1.5. Project data

Testing Start Date: 2022-12-05 Testing End Date: 2022-12-05

1.6. Signature

Lin Kanfeng

林仆丰

(Prepared this test report)

An Ran

(Reviewed this test report)

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(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name: unitech electronics co., ltd.

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2.2. Manufacturer Information

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 Tel.:
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 Fax:
 886-2-89121391



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

3.1. About EUT

Description Rugged Handheld Computer

Model Name PA768 Frequency 13.56MHz

Equipment type Near Field Communication (NFC)

Type of Modulation ASK

Antenna type Integrated antenna

Extreme Temperature -20°C/+55°C

Operation Voltage 3.4VDC to 4.4VDC (nominal: 3.85VDC)

Power source Battery

FCC ID HLEPA768BWNW IC 6724A-PA768BWNW

Condition of EUT as received No abnormality in appearance

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of Shenzhen Academy of Information and Communications Technology.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of Receipt	
LITOFOO	358585240001857	FH09_MB_	RAYA V03.25b02 20221010	2022 10 26	
UT05aa 358585	330303240001037	PCB_V1.3	KATA_V03.25002_20221010	2022-10-20	
LITOOoo	250505240004550	FH09_MB_	DAVA 1/02 25502 20221010	2022 10 26	
UT09aa	358585240001550	PCB V13	RAYA_V03.25b02_20221010	2022-10-20	

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

3.3. Internal Identification of AE used during the test

AE ID*	Description	SN
AE1	Power Supply	/
AE2	NFC Card	/

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

3.4. General Description

Equipment under Test (EUT) is a model of Rugged Handheld Computer with integrated antenna and battery. It consists of normal options: Lithium Battery and Charger. Manual and specifications of the EUT were provided to fulfil the test. Samples undergoing test were selected by the client.

3.5. EUT Set-ups

EUT Set-up No.	Combination of EUT and AE	Remarks
Set. NFC01	EUT1+AE1+AE2	NFC RF, TX test

^{*}UT05aa is used for Conduction test; UT09aa is used for radiation test and AC Power line Conducted Emission test.



Set. NFC02 EUT1+AE1 NFC RF, RX test

CE_test.apk is installed in the EUT which helps to control the NFC signal transmitting.

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 feature information is supplied by the applicant or manufacturer, which is the basis 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 15	FCC CFR 47, Part 15, Subpart C	2019
ANSI C63.4	American National Standard for Methods of Measurement	2014
	of Radio-Noise Emissions from Low-Voltage Electrical and	
	Electronic Equipment in the Range of 9 kHz to 40 GHz.	
RSS-210	License-exempt Radio Apparatus (All Frequency Bands):	Issue 10
	Category I Equipment Annex 2 - Devices Operating in	2020, A1
	Frequency Bands for Any Application	
RSS-Gen	Spectrum Management and Telecommunications Radio	Issue 5
	Standards Specification	2021, A2
	General Requirements for Compliance of Radio Apparatus	



5. Test Results

5.1. Testing Environment

Normal Temperature: 15~35°C Relative Humidity: 20~75%

5.2. Test Results

No	Test Cases	Sub-clause of Part 15C	Sub-clause of IC	Verdict
1	Electric Field Strength of Fundamental Emissions	CFR 47 § 15.225 (a)	RSS-210 A2.6	Р
2	Electric Field Strength of Outside	CFR 47 § 15.225 (b)	RSS-210 A2.6	Р
	the Allocated Bands	CFR 47 § 15.225 (c)	K33-210 A2.0	Г
3	Electric Field Radiated Emissions	CFR 47 § 15.209	RSS-210 A2.6	Р
3 Electric Field Radiated Emissions		CFR 47 § 15.225 (d)	K33-210 A2.0	Г
4	Frequency Tolerance	CFR 47 § 15.225 (e)	RSS-210 A2.6	Р
5	20dB Bandwidth	CFR 47 § 15.215 (c)	/	Р
6	Conducted Emissions	CFR 47 § 15.207	RSS-Gen 8.8	Р
7	Occupied Bandwidth	/	RSS-Gen 6.6	Р
The	measurement is carried out according	g to ANSI C63.4. See AN	INEX A for details.	

5.3. Statements

The test cases listed in Section 5.2 of this report for the EUT specified in Section 3 were performed by SAICT according to the reference documents in Section 4. The EUT meets all applicable requirements of the regulations and standards in Section 4.2. This report only deals with the NFC function among the features described in section 3.

Disclaimer:

- A. After confirmation with the customer, the sample information provided by the customer may affect the validity of the measurement results in this report, and the impact and consequences arising therefrom shall be borne by the customer.
- B. The samples in this report are provided by the customer, and the test results are only applicable to the samples received.



6. Test Equipments Utilized

Conducted test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Vector Signal Analyzer	FSV40	100903	Rohde & Schwarz	2022-12-29	1 year
2	DC Power Supply	NGSM	5425	Rohde & Schwarz	2023-11-06	1 year
3	Shielding Room	S81	CT000986-1 344	ETS-Lindgren	2026-09-12	5 years

Climate chamber

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Climate chamber	SU-242	93008165	ESPEC	2023-03-13	1 year

Radiated emission test system

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date	Calibration Period
1	Test Receiver	ESR7	101676	R&S	2023-11-23	1 year
2	BiLog Antenna	3142E	0224831	ETS-lindgren	2024-05-27	3 years
3	Anechoic Chamber	FACT3-2.0	1285	ETS-Lindgren	2023-05-29	2 years
4	Loop Antenna	HLA6120	35779	TESEQ	2025-05-10	3 years
5	Test Receiver	ESCI	100702	R&S	2023-01-12	1 year
6	LISN	ENV216	102067	R&S	2023-07-14	1 year
7	Software	EMC32	10.50.40	R&S	/	/



7. Laboratory Environment

Shielded room

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω

Anechoic chamber

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz> 60 dB; 1MHz-18000MHz>90 dB
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	$<$ ± 4 dB, 3 m distance, from 30 to 1000 MHz
Voltage Standing Wave Ratio (VSWR)	≤ 6 dB, from 1 to 18 GHz, 3 m distance
Uniformity of field strength	Between 0 and 6 dB, from 80 to 6000 MHz



ANNEX A: MEASUREMENT RESULTS

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

A.1.1. Reference

See Clause 13.5, Clause 13.4, Clause 8, and Annex E of ANSI C63.4-2014 specifically See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2014 generally See CFR 47 § 15.225(a)

See RSS-210 A2.6

A.1.2. Measurement Methods

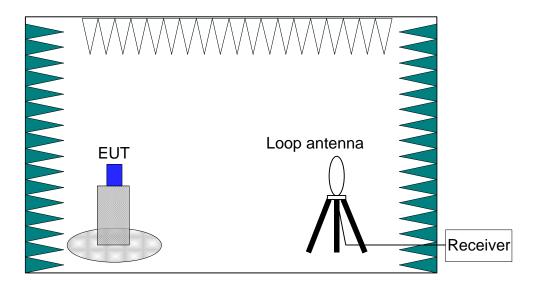
The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The E-field 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:

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

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

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



A.1.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC (See 3.5). 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.

A.1.4. Limits

Fraguency Bongo (MUz)	E-field Strength Limit @ 30	E-field Strength Limit @ 3 m	
Frequency Range (MHz)	m (μV/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	+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 * log₁₀(Measurement Distance / Specification Distance)

A.1.5. Measurement Results

Measurement results of normal conditions see Figure A-1 for different set-ups of EUT. The result displayed take into account applicable antenna factors and cable losses.

Conclusions: PASS

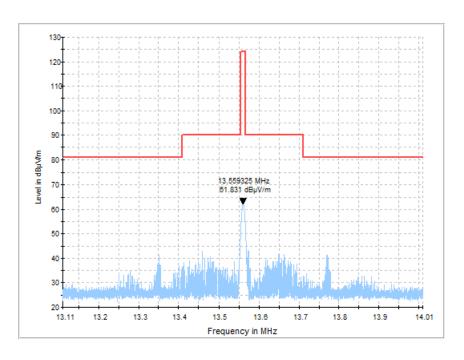


Figure A-1 Electric Field Strength

A.1.6. Measurement Uncertainty

Measurement uncertainty: U = 1.70 dB, k=2.



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

A.2.1. Reference

See Clause 13.4, Clause 8 and Annex E of ANSI C63.4-2014 specifically

See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2014 generally

See CFR 47 § 15.225(b)

See CFR 47 § 15.225(c)

See RSS-210 A2.6

A.2.2. Measurement Methods

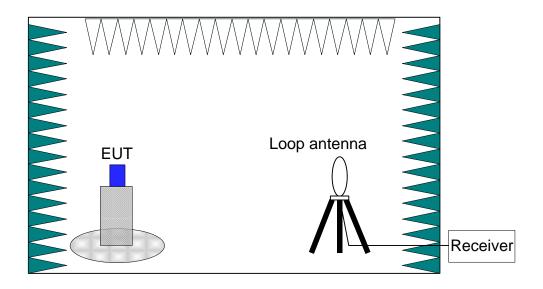
The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The E-field 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 $(dB\mu V/m) = Rx (dB\mu V) + Cable Loss (dB) + AF@3m (dB/m)$



A.2.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC (See 3.5).



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.

A.2.4. Limits

Fraguency Bongo (MUz)	E-field Strength Limit @	E-field Strength Limit @ 3m	
Frequency Range (MHz)	30m (mV/m)	(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 * log₁₀(Measurement Distance / Specification Distance)

A.2.5. Measurement Results

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

Conclusions: PASS

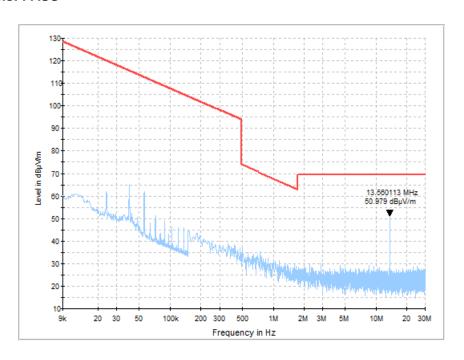


Figure A-2 Transmit State (9k-30M)

A.2.6. Measurement Uncertainty

Measurement uncertainty: U = 1.70 dB, k=2.



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

A.3.1. Reference

See Clause 13.4, Clause 8, and Annex E of ANSI C63.4-2014 specifically See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2014 generally

See CFR 47 § 15.209 See CFR 47 § 15.225(d)

See RSS-210 A2.6

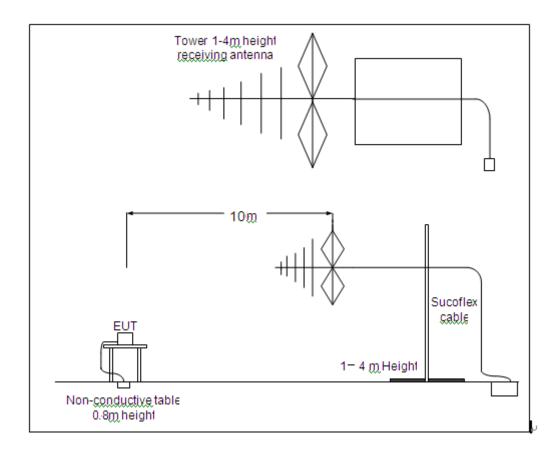
A.3.2. Measurement Methods

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 comply with Clause 15 of ANSI C63.2-1996 and Clause 4.1.5 of ANSI C63.4-2014. 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		





A.3.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC (See 3.5).

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.

A.3.4. Limits

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

A.3.5. Measurement Results

Measurement results of normal conditions see Figure A-3 for different set-ups of EUT. The result displayed take into account applicable antenna factors and cable losses.

Conclusions: PASS

A.3.6. Measurement Uncertainty

Measurement uncertainty: U = 4.90 dB, k=2



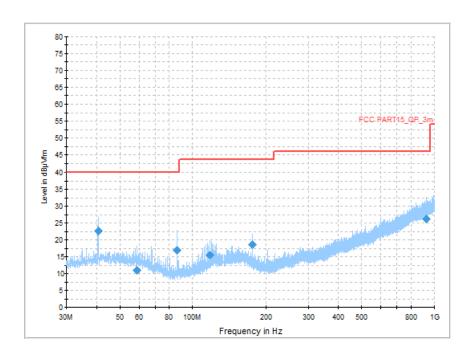


Figure A-3 Transmit State (30M-1G)

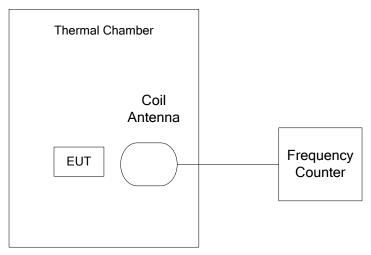


A.4. Frequency Tolerance

A.4.1. Reference

See Clause 13.6 of ANSI C63.4-2014 specifically See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2014 generally See CFR 47 § 15.225(e) See RSS-210 A2.6

A.4.2. Measurement Methods



The transmitter output signal was picked up by coil antenna connected to the frequency counter. 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.

A.4.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of without modulation (See 3.5). EUT had been not connected to a travel adapter.

Operation Temperature: T min, T nom, and T max with V nom.

Operation Voltage: V min and V max with T nom.

A.4.4. Test Layouts

See A.4.2.

A.4.5. Limits

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

A.4.6. Measurement Results

Measurement results see Table A-1 for different test conditions.

Conclusions: PASS.



Table A-1: Frequency Stability VS Temperature and Voltage

Tomporatura	Voltage	Frequency Error (MHz)			
Temperature Voltage		Startup	2 Min Later	5 Min Later	10 Min Later
T min	V nom	13.559712	13.559711	13.559712	13.559712
T max	V nom	13.559716	13.559720	13.559718	13.559716
T nom	V nom	13.559711	13.559711	13.559714	13.559712
T nom	V min	13.559707	13.559710	13.559710	13.559709
T nom	V max	13.559713	13.559711	13.559711	13.559713

Tomporoturo	Voltage	Frequency Error (%)			
Temperature	Voltage	Startup	2 Min Later	5 Min Later	10 Min Later
T min	V nom	0.002	0.002	0.002	0.002
T max	V nom	0.002	0.002	0.002	0.002
T nom	V nom	0.002	0.002	0.002	0.002
T nom	V min	0.002	0.002	0.002	0.002
T nom	V max	0.002	0.002	0.002	0.002

A.4.7. Measurement Uncertainty

Measurement uncertainty: U = 77 Hz, k=2



A.5. 20dB Bandwidth

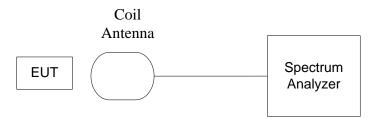
A.5.1. Reference

See Clause 13.7 of ANSI C63.4-2014 specifically See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2014 generally See CFR 47 § 15.215(c)

A.5.2. Measurement Methods

The transmitter output signal was picked up by coil antenna to the spectrum analyzer.

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.



A.5.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC and without modulation (See 3.5).

EUT had been not connected to a travel adapter.

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

A.5.4. Test Layouts

See A.5.2.

A.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 14 kHz, so the limit is 11.2 kHz.

A.5.6. Measurement Results

Measurement results see Figure A-4.

Conclusions: PASS.



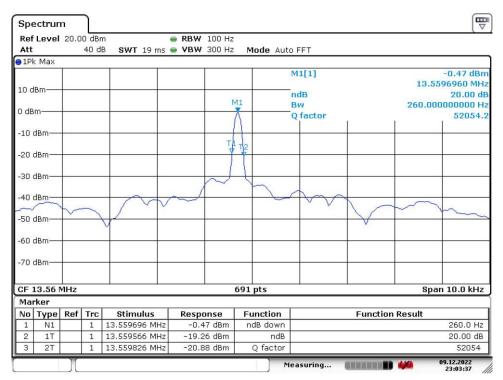


Figure A-4 20dB Bandwidth

A.5.7. Measurement Uncertainty

Measurement uncertainty: U = 77 Hz, k = 2



A.6. Conducted emission

A.6.1. Reference

See Clause 13.3 and Clause 7 of ANSI C63.4-2014 specifically See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2014 generally See CFR 47 § 15.207 See RSS-Gen 8.8

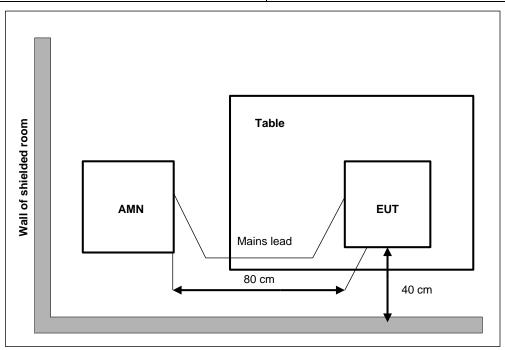
A.6.2. Measurement Methods

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:

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



A.6.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC (See 3.5).

The EUT is powered by a travel adapter.

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



A.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	

A.6.5. Measurement Results

Measurement results see Figure A-5, Figure A-6.

Conclusions: PASS.

Note: The measurement result at 13.56MHz is the fundamental emission of NFC signal.



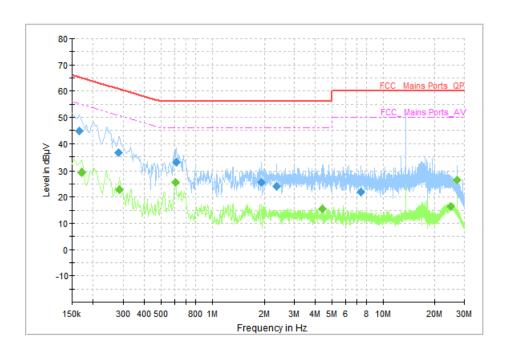


Figure A-5 Test result (Traffic)

Final Result 1

I IIIai Itooait	•					
Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.166000	44.81	65.16	20.35	N	ON	10
0.282000	36.68	60.76	24.08	N	ON	10
0.618000	32.77	56.00	23.23	L1	ON	10
1.922000	25.59	56.00	30.41	N	ON	10
2.366000	23.89	56.00	32.11	L1	ON	10
7.430000	21.89	60.00	38.11	L1	ON	10

Final Result 2

Frequency	Average	Limit	Margin	Line	Filter	Corr.
(MHz)	(dBµV)	(dBµV)	(dB)			(dB)
0.170000	29.31	54.96	25.65	L1	ON	10
0.286000	22.69	50.64	27.95	N	ON	10
0.606000	25.56	46.00	20.44	N	ON	10
4.414000	15.53	46.00	30.47	N	ON	10
24.898000	16.51	50.00	33.49	N	ON	11
27.118000	26.39	50.00	23.61	N	ON	11



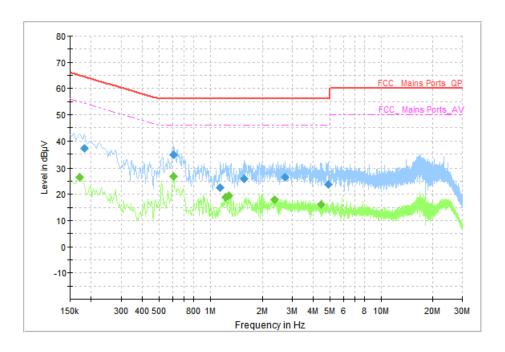


Figure A-6 Test result (Idle)

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Line	Filter	Corr. (dB)
0.182000	37.14	64.39	27.25	L1	ON	10
0.610000	34.72	56.00	21.28	N	ON	10
1.146000	22.51	56.00	33.49	N	ON	10
1.566000	26.02	56.00	29.98	L1	ON	10
2.726000	26.41	56.00	29.59	N	ON	10
4.878000	23.77	56.00	32.23	N	ON	10

Final Result 2

Frequency	Average	Limit	Margin	Line	Filter	Corr.
(MHz)	(dBµV)	(dBµV)	(dB)			(dB)
0.170000	26.47	54.96	28.49	N	ON	10
0.606000	26.88	46.00	19.12	L1	ON	10
1.234000	18.86	46.00	27.14	L1	ON	10
1.282000	19.45	46.00	26.55	L1	ON	10
2.370000	17.86	46.00	28.14	L1	ON	10
4.458000	16.23	46.00	29.77	N	ON	10

A.6.6. Measurement Uncertainty

Measurement uncertainty: U = 3.0 dB, k=2



A.7. Occupied Bandwidth

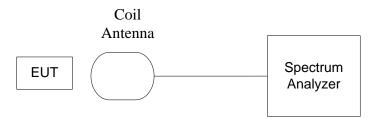
A.7.1. Reference

See Clause 13.7 of ANSI C63.4-2014 specifically See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2014 generally See RSS-Gen 6.6

A.7.2. Measurement Methods

The transmitter output signal was picked up by coil antenna to the spectrum analyzer.

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.



A.7.3. EUT Operating Mode and Test Conditions

The measurement of EUT is carried out under the transmit state of NFC and without modulation (See 3.5).

EUT had been not connected to a travel adapter.

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

A.7.4. Test Layouts

See A.7.2.

A.7.5. Limits

When the occupied bandwidth limit is not stated in the applicable RSS or reference measurement method, the transmitted signal bandwidth shall be reported as the 99% emission bandwidth, as calculated or measured.

A.7.6. Measurement Results

Measurement results see Figure A-7.

Conclusions: PASS



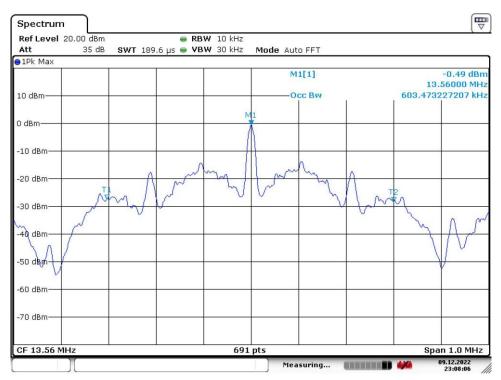


Figure A-7 Occupied Bandwidth

A.7.7. Measurement Uncertainty

Measurement uncertainty: U=77 Hz, k=2

END OF REPORT