

TEST REPORT

No. 2013IOT00094

for

Sony Mobile Communications AB

GSM/WCDMA/LTE Mobile Phone

Type: PM-0764-BV

FCC ID: PY7PM-0764

with

Hardware Version: A

Software Version: 19.0.B.0.228

Issued Date: Feb. 28th, 2014



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 TMC Beijing.

Test Laboratory:

CNAS accreditation (ISO/IEC 17025(CNAS-CL01)): No. CNAS L0442

FCC 2.948 Listed: No.733176 IC O.A.T.S listed: No.6629A-1

TMC Beijing, Telecommunication Metrology Center of Ministry of Industry and Information Technology

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CONTENTS

1.	TEST LABORATORY	3
1.	1. Testing Location	3
1.2	2. Testing Environment	3
1.3	3. Project Data	3
1.4	4. Signature	3
2.	CLIENT INFORMATION	4
2.	1. Applicant Information	4
2.2	2. Manufacturer Information	4
3.	EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)	5
3.	1. Aвоит EUT	5
3.2	2. Internal Identification of EUT Used during the Test	5
3.3		
3.4		
3.	5. EUT SET-UPS	6
4.	REFERENCE DOCUMENTS	7
4.	1. DOCUMENTS SUPPLIED BY THE APPLICANT	7
4.2	2. REGULATIONS AND STANDARDS	7
5.	LABORATORY ENVIRONMENT	8
6.	SUMMARY OF TEST RESULTS	9
6.	1. SUMMARY OF TEST RESULTS	9
6.2	2. TERMS USED IN THE SUMMARY OF TEST RESULTS	.10
6.3	3. Statements	. 10
7.	TEST EQUIPMENTS UTILIZED	11
ANN	NEX A: MEASUREMENT RESULTS	. 12
A.	1. ELECTRIC FIELD STRENGTH OF FUNDAMENTAL AND OUTSIDE THE ALLOCATED BANDS	12
Α.	2. ELECTRIC FIELD RADIATED EMISSIONS (< 30MHz)	.14
A.	3. ELECTRIC FIELD RADIATED EMISSIONS (≥30MHz)	16
Α.	4. Frequency Tolerance	.18
A.	5. 20dB Bandwidth	.19
A.	6. CONDUCTED EMISSION	20
ANN	NEX B: EUT PHOTOGRAPH	. 24



1. Test Laboratory

1.1. <u>Testing Location</u>

Company Name:

TMC Beijing, Telecommunication Metrology Center of MIIT

Address:

No 52, Huayuanbei Road, Haidian District, Beijing, P.R.China

Postal Code:

100191

Telephone:

+86-10-62304633-2678

Fax:

+86-10-62304633-2504

1.2. Testing Environment

Ambient Temperature:

15 ~ 25 °C

Relative Humidity:

30 ~ 60 %

Air pressure

860 ~ 1060 mbar

1.3. Project Data

Receipt of Sample:

Jan. 09rd, 2014

Testing Start Date:

Jan. 20th, 2014

Testing End Date:

Jan. 28th, 2014

1.4. Signature

Zhu Liang

(Prepared this test report)

Yang Jun

(Reviewed this test report)

Wang Hongbo

Deputy Director of the laboratory

(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name: Sony Mobile Communications (China) Co. Ltd

Address /Post: Sony Mobile R&D Center, No. 16, Guangshun South Street,

Chaoyang District

City: Beijing
Postal Code: 100102
Country: China

Telephone: +86-10-58656312 Fax: +86-10-58659049

2.2. Manufacturer Information

Company Name: Sony Mobile Communications AB Address /Post: Mobilvägen, 22188 Lund, Sweden

City: Lund
Postal Code: 22188
Country: Sweden

Telephone: +46 703 227503 Fax: +46 706 127385



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

3.1. About EUT

Description:	GSM/WCDMA//LTE mobile phone
Туре	PM-0764-BV
FCC ID	PY7PM-0764
With NFC Function:	Yes
Frequency:	13.56 MHz
Antenna:	Internal
Operation Voltage:	3.5VDC to 4.1VDC (nominal: 3.7VDC)
Operation Temperature:	-20°C to +55°C

Note1: Photographs of EUT are shown in ANNEX B of this test report. For component list, please refer to documents of the manufacturer.

Note2: High and low voltage values of extreme conditions are given by the manufacturer.

3.2. Internal Identification of EUT Used during the Test

Mobile phone identification

 EUT ID*
 IMEI
 HW Version
 SW Version

 EUT1
 004402451866705
 A
 19.0.B.0.228

3.3. Internal Identification of AE Used during the Test

AE ID*	Description	SN	Revision
AE1	Travel Charger	4413W18511354	1
AE2	USB Cable	131307D10BE8F74	SP1
AE3	Type A CARD	1	1
AE1			
Commerc	ial name	EP880	
Type		AC-0400-EU	
Manufactu	ırer	SALCOMP	
Length of	cable	98.5 cm (length of USB cable)	
AE2			
Commerc	ial name	EC801	
Type		AI-0401	
Manufactu	ırer	Sony Mobile	
Length of	cable	98.5 cm	
AE3			
Type		1	
Manufactu	Manufacturer Gemalto		

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

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



3.4. General Description

The Equipment under Test (EUT) is a model of GSM/WCDMA/LTE Mobile Phone with integrated antenna and embedded battery.

The EUT supports GSM 850/900/1800/1900MHz bands, WCDMA FDD bands 1/2/4/5 and LTE FDD bands 2/4/17. It supports GPRS service with multi-slots class 12 and EGPRS service with Multi-slots class 12. The HSDPA and HSUPA (Cat 4) features are also supported.

It has MP3, camera, USB memory, FM radio, GPS receiver, NFC, Bluetooth (EDR), ANT+, WLAN (802.11 a/ac/b/g/n) and Wi-Fi hotspot functions. For WLAN 802.11n, it supports 20MHz and 40MHz bandwidths on both 2.4GHz band and 5GHz/5.8GHz bands. For WLAN 802.11ac, it supports 20MHz, 40MHz and 80MHz bandwidths on both 2.4GHz band and 5GHz/5.8GHz bands. It consists of normal options: USB cable and travel charger.

Manuals and specifications of the EUT were provided to fulfil the test.

Samples undergoing test were selected by the client.

Manufacturer's declaration: NFC work does not depend on other access methods, such as WLAN, GPRS, etc.

3.5. EUT Set-ups

EUT Set-up No.	Combination of EUT and AE	Remarks
Set. NFC01	EUT1 + AE1 + AE2 + AE3	
Set. NFC02	EUT1	
Set. NFC03	EUT1 + AE3	

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



4. Reference Documents

4.1. Documents Supplied by the Applicant

EUT feature information is supplied by the applicant or manufacturer, which is the basis of testing.

4.2. Regulations and Standards

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;	2012
	General Rules and Regulations.	
CFR 47 Part 15	Part 15 — Radio Frequency Devices.	2012
	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 C63.4	American National Standard for Methods of Measurement	2009
	of Radio-Noise Emissions from Low-Voltage Electrical and	
	Electronic Equipment in the Range of 9 kHz to 40 GHz.	



5. LABORATORY ENVIRONMENT

Semi-Anechoic Chamber SAC-2 (10m×6.7m×6.15m) did not exceed following limits along the testing:

Temperature	Min. = 15 °C, Max. = 25 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2 MΩ
Ground system resistance	<1 Ω
Normalised site attenuation (NSA)	< ±3.5 dB, 3 m/10m distance,
	from 30 to 1000 MHz
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1 to 18 GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

Fully-Anechoic Chamber FAC-3 (8.6m×6.1m×3.85m) did not exceed following limits along the testing:

Temperature	Min. = 15 °C, Max. = 25 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2 MΩ
Ground system resistance	<1 Ω
Site voltage standing-wave ratio (S_{VSWR})	Between 0 and 6 dB, from 1 to 18GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 4000 MHz

Conducted Chamber did not exceed following limits along the testing:

Temperature	Min. = 15 °C, Max. = 25 °C
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2 MΩ
Ground system resistance	< 0.5 Ω

Control Room did not exceed following limits along the testing:

Temperature	Min. = 15 °C, Max. = 25 °C
Relative humidity	Min. =30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 2 MΩ
Ground system resistance	< 0.5 Ω



6. SUMMARY OF TEST RESULTS

6.1. Summary of Test Results

No	Test Cases	Clause in Regulation	Section in This Report	Verdict
4	Electric Field Strength of	CFR 47 § 15.225(a)		D(Cot NECO2)
ļ	Fundamental Emissions	CFR 47 § 15.225(a)	۸.4	P(Set. NFC03)
2	Electric Field Strength of	CFR 47 § 15.225(b)	A.1	D/Cat NECOS)
	Outside the Allocated Bands	CFR 47 § 15.225(c)		P(Set. NFC03)
3	Electric Field Radiated	CFR 47 § 15.209	A.2	P(Set. NFC01)
3	Emissions	CFR 47 § 15.225(d)	A.3	P(Set. NFC01)
4	Frequency Tolerance	CFR 47 § 15.225(e)	A.4	P(Set. NFC02)
E	20dB Bandwidth	CFR 47 § 15.215(c)	A.5	P(Set. NFC02,
5				03)
6	Conducted Emissions	CFR 47 § 15.207	A.6	P(Set. NFC01)
The measurement is carried out according to ANSI C63.4. See ANNEX A for details.				

Test Conditions:

For this report, all the test cases listed above were tested under normal Temperature, Voltage, Humidity, and Air Pressure. The specific conditions are as following:

	T min	-30 °C
Temperature	T nom	20 °C
	T max	50 °C
	V min	3.5 V
Voltage	V nom	3.7 V
	V max	4.1 V
Humidity	H nom	44%
Air Pressure	A nom	1010 mbar



6.2. Terms Used in the Summary of Test Results

Terms Used in Condition Column:

T nom	Normal Temperature
T min	Low Temperature
T max	High Temperature
V nom	Normal Voltage
V min	Low Voltage
V max	High voltage
H nom	Norm Humidity
A nom	Norm Air Pressure

Terms Used in Verdict Column:

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

Abbreviations:

AC	Alternating Current
AFH	Adaptive Frequency Hopping
BW	Band Width
E.I.R.P.	equivalent isotropical radiated power
ISM	Industrial, Scientific and Medical
RF	Radio Frequency
Tx	Transmitter

6.3. Statements

The test cases listed in Section 6.1 of this report for the EUT specified in Section 3 were performed by TMC 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.



7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE
1.	Climate chamber	WK3-340/70	58226117510010	WEISS	2014-03-30
2.	Spectrum Analyzer	RSA3408A	B 010277	Tektronix	2014-05-27
3.	H-field Antenna	HFH2-Z2	829324/0007	R&S	2014-07-02
4.	Test Receiver	ESCI 7	100948	R&S	2014-07-18
5.	Spectrum Analyzer	FSV	101047	R&S	2014-06-30
6.	EMI Antenna	VULB 9163	9163-483	Schwarzbeck	2014-02-17
7.	EMI Antenna	3115	6914	ETS-Lindgren	2014-12-16
8.	LISN	ESH2-Z5	829991/012	R&S	2014-04-14
9.	Universal Radio Communication Tester	CMU200	109914	R&S	2014-04-18
10.	Vector Signal Generator	SMU200A	102082	R&S	2014-11-01



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 C63.4-2009 specifically. See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2009 generally.

A.1.2. Measurement Methods

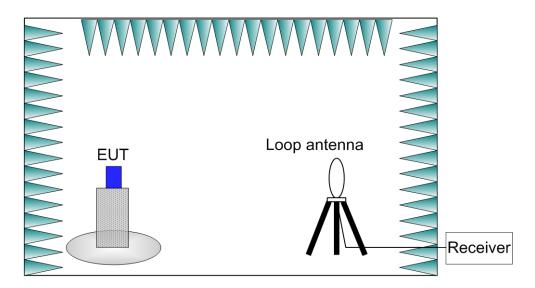
The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The E-field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

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	+106	81	
13.710 to 14.010	Ŧ 100	01	

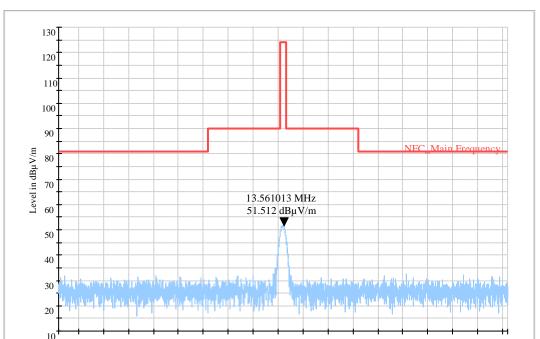
Note: Where the limits have been defined at one distance, and a signal level measured at another, the limits have been extrapolated using the following formula:

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

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: Set. NFC03, PASS.



 $RE_FCC_NFC\ Main\ Frequency_13.110MHz\text{-}14.010MHz$

Figure A-1: Set. NFC03

Frequency in MHz

13.5

13.6

13.7

13.8

A.1.6. Measurement Uncertainty

13.11

Measurement uncertainty: U = 4.0 dB, k=2.

13.2

13.3

13.9

14.01



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

A.2.1. Reference

See Clause 13.4, Clause 8 and Annex E of ANSI C63.4-2009 specifically. See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2009 generally.

A.2.2. Measurement Methods

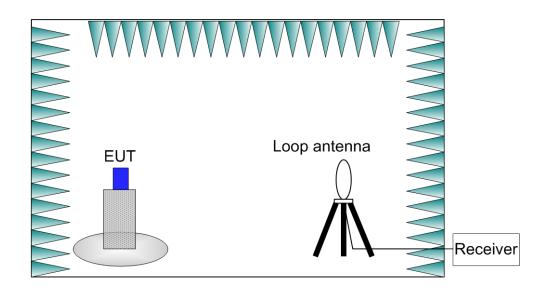
The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The E-field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



in the range of $15 \sim 25$ °C.

A.2.4. Limits

Frequency Range (MHz)	E-field Strength Limit @ 30m	E-field Strength Limit @ 3m	
riequelicy Kalige (Miliz)	(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	

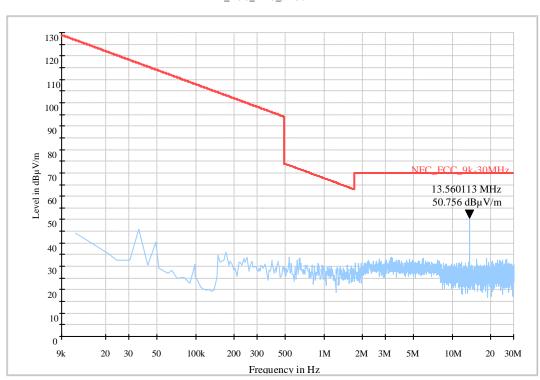
Note: Where the limits have been defined at one distance, and a signal level measured at another, the limits have been extrapolated using the following formula:

Extrapolation(dB) = $40\log_{10}$ (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: Set. NFC01, PASS.



RE_FCC_NFC_9k-30MHz

Figure A-2: Set. NFC01

A.2.6. Measurement Uncertainty

Measurement uncertainty: U = 4.0 dB, k=2.



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

A.3.1. Reference

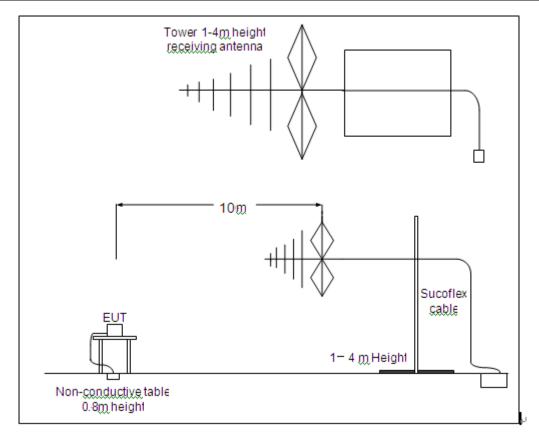
See Clause 13.4, Clause 8, and Annex E of ANSI C63.4-2009 specifically. See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2009 generally.

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 C63.4-2009. 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).

EUT1 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.

A.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

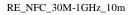
A.3.5. Measurement Results

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: Set. NFC01, PASS.

A.3.6. Measurement Uncertainty

Measurement uncertainty: U = 3.9 dB, k=2



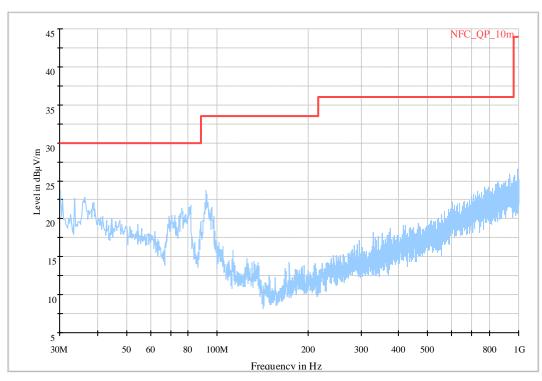


Figure A-3: Set. NFC01

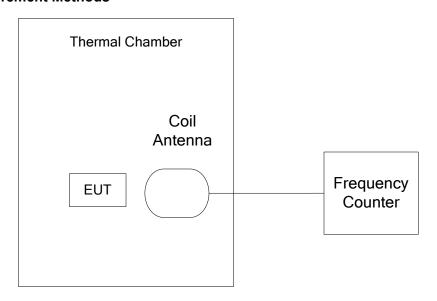


A.4. Frequency Tolerance

A.4.1. Reference

See Clause 13.6 of ANSI C63.4-2009 specifically. See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2009 generally.

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). EUT1 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: Set. NFC02, PASS.



Temperature	Voltage	Frequency Error (MHz)			
	Voltage	Startup	2 Min Later	5 Min Later	10 Min Later
T min	V nom	13.5592750	13.5592760	13.5592750	13.5592750
T max	V nom	13.5592650	13.5590680	13.5592070	13.5590650
T nom	V nom	13.5592750	13.5592750	13.5592710	13.5592710
T nom	V min	13.5592650	13.5592650	13.5592650	13.5592645
T nom	V max	13.5592730	13.5592650	13.5592680	13.5592690

Temperature	Voltago	Frequency Error (%)			
	Voltage	Startup	2 Min Later	5 Min Later	10 Min Later
T min	V nom	-0.005	-0.005	-0.005	-0.005
T max	V nom	-0.005	-0.007	-0.006	-0.007
T nom	V nom	-0.005	-0.005	-0.005	-0.005
T nom	V min	-0.005	-0.005	-0.005	-0.005
T nom	V max	-0.005	-0.005	-0.005	-0.005

A.4.7. Measurement Uncertainty

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

A.5. 20dB Bandwidth

A.5.1. Reference

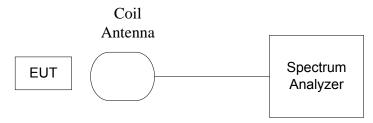
See Clause 13.7 of ANSI C63.4-2009 specifically.

See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2009 generally.

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 $15 \sim 25$ °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 14kHz, so the limit is 11.2 kHz.

A.5.6. Measurement Results

Measurement results see Figure A-4.

Conclusions: Set. NFC02 and NFC03, PASS.

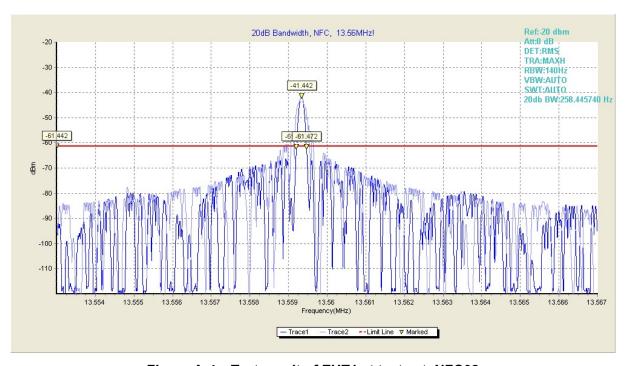


Figure A-4: Test result of EUT1 at test set. NFC02

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 C63.4-2009 specifically. See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2009 generally.

A.6.2. Measurement Methods

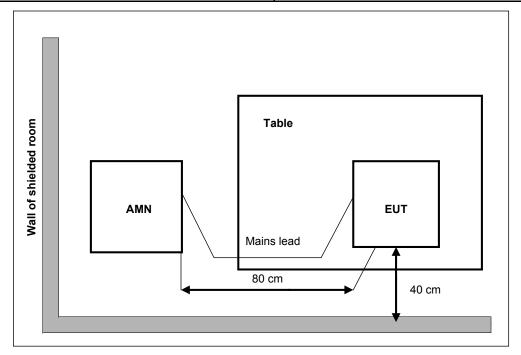


The conducted emissions from the AC port of the EUT are measured in a shielding room. The EUT is connected to a Line Impedance Stabilization Network (LISN). An overview sweep with peak detection was performed. The measurements were performed with a quasi-peak detector and if required, an average detector.

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 $15 \sim 25$ °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

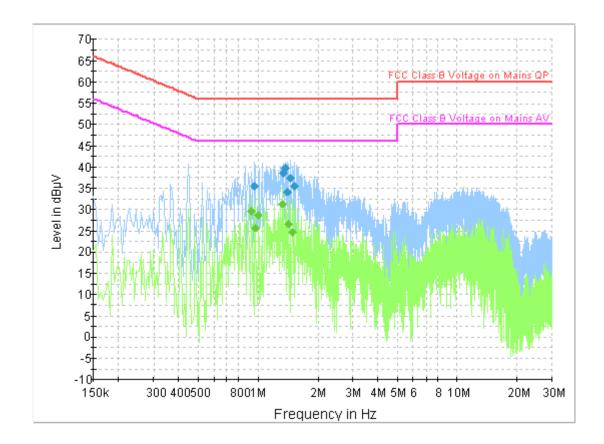
A.6.5. Measurement Results

Measurement results see Figure A-5.

Conclusions: Set. NFC01, PASS.



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





Final Result 1

Frequency	QuasiPeak	PE	Line	Corr.	Margin	Limit
0.969000	35.4	GND	N	9.7	20.6	56.0
1.342500	38.5	GND	L1	9.7	17.5	56.0
1.374000	39.8	GND	L1	9.7	16.2	56.0
1.414500	34.2	GND	N	9.7	21.8	56.0
1.459500	37.4	GND	N	9.7	18.6	56.0
1.536000	35.4	GND	N	9.7	20.6	56.0

Final Result 2

Frequency	Average	PE	Line	Corr.	Margin	Limit
0.928500	29.6	GND	L1	9.7	16.4	46.0
0.973500	25.6	GND	L1	9.7	20.4	46.0
1.005000	28.7	GND	L1	9.7	17.3	46.0
1.338000	31.3	GND	L1	9.7	14.7	46.0
1.419000	26.5	GND	L1	9.7	19.5	46.0
1.495500	24.4	GND	L1	9.7	21.6	46.0

Figure A-5: Test result of EUT1 at test set. NFC01

A.6.6. Measurement Uncertainty

Measurement uncertainty: *U* = 3.2 dB, k=2



ANNEX B: EUT PHOTOGRAPH

No Display.

Picture B-1: Mobile Phone

No Display.



Picture B-2: Mobile Phone

No Display.

Picture B-3: Mobile Phone



Picture B-4: Mobile Phone

No Display.

Picture B-5: Mobile Phone



Mobile Phone Disassembly and Inbuilt Battery

No Display.



No Display.	
Mobile Phone Disassembly No Display.	



No Display.	
Mobile Phone Disassembly	
No Display.	



No Display.	
Mobile Phone Disassembly	

Mobile Phone Disassembly

No Display.



No Display.		
Mobile Phone Dis	assembly	
No Display.		

Mobile Phone Disassembly



No Display.	
Mobile Phone Disassemb	oly
No Display.	

Travel Charger



Label of Vehicle Charger

No Display.

USB Cable



ANNEX C: TEST LAYOUT

No Display.

Picture C-1: Field Strength Measurements (Below 30MHz)



Picture C-2: Field Strength Measurements (Above 30MHz)



Picture C-3: Conducted Emissions Measurements

END OF REPORT