



# TEST REPORT

## No. 130320IOT01FCC

for

**Sony Mobile Communications AB**

**GSM 850/900/1800/1900 quad bands and CDMA2000 850/1900**

**dual bands mobile phone**

**Type: PM-0370-BV**

**FCC ID: PY7PM-0370**

with

**Hardware Version: A**

**Software Version: 12.0.B.1.36**

**Issued Date: Apr. 18<sup>th</sup>, 2013**



**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 2948 Listed: No.733176**

**IC O.A.T.S listed: No.6629A-1**

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## 1. Test Laboratory

### 1.1. Testing Location

Company Name: TMC Beijing, Telecommunication Metrology Center of MIIT  
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Postal Code: 100191  
Telephone: +86-10-62304633-2678  
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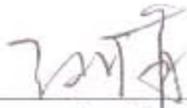
### 1.2. Testing Environment

Ambient Temperature: 15 ~ 25 °C  
Relative Humidity: 30 ~ 60 %  
Air pressure 860 ~ 1060 mbar

### 1.3. Project Data

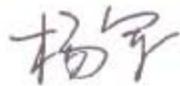
Receipt of Sample: March 20<sup>th</sup>, 2013  
Testing Start Date: March 21<sup>st</sup>, 2013  
Testing End Date: April 17<sup>th</sup>, 2013

### 1.4. Signature



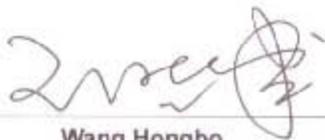
Sun Qian

(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,  
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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: Nya Vattentorget, 22188 Lund, Sweden  
City: Lund  
Postal Code: 22188  
Country: Sweden  
Telephone: +46-10-802 3919  
Fax: +46-10-800 2441

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

#### 3.1. About EUT

Description:	GSM 850/900/1800/1900, GPRS, EDGE, CDMA2000 Band Class0/1 Bluetooth EDR & BLE, WLAN ( 802.11 b/g/n), FM, NFC, GPS receiver mobile phone
Model Name:	PM-0370-BV
Marketing Name:	/
FCC ID:	PY7PM-0370
IC ID:	/
With NFC Function:	Yes
Frequency:	13.56 MHz
Antenna:	Integral Antenna
Operation Voltage:	DC 3.5 ~ 4.1 V
Operation Temperature:	-30 ~ 50 °C

Note1: Photographs of EUT are shown in ANNEX A 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*	SN / IMEI	HW Version	SW Version
EUT1	IMEI1:004402146480797	A	12.0.B.1.36
	IMEI2:004402146477090		

\*EUT ID: It 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	Revision
AE1	Travel Charger	3412W51100781	1C
#23093	USB Cable	123107D60015106	1
AE2	Type A CARD	/	/

##### AE1

Commercial name	EP880
Type	AC-0400-US
Manufacturer	Salcomp

##### #23093

Commercial name	EC801
Type	AI-0401
Manufacturer	Sony Mobile
Length of cable	96.5cm

AE2

Model	/
Manufacturer	Gemalto
Length of cable	/

\*AE 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 850/900/1800/1900 quad bands and CDMA2000 850/1900 dual bands mobile phone with integrated antenna and inbuilt battery.

The EUT supports two SIM card slots.

GSM SIM card slot supports GSM 900/1800/1900MHz bands. It also supports GPRS service with multi-slots class 8 and EGPRS service with multi-slots class 8 too.

CTC SIM card slot supports GSM 850/900/1800/1900MHz bands and CDMA2000 bands 0/1. It also supports GPRS service with multi-slots class 12 and EGPRS service with multi-slots class 12 too.

It has MP3, camera, FM radio, USB memory, GPS receiver, NFC, Mobile High-Definition Link (MHL), Bluetooth (EDR and Bluetooth 4.0), WLAN (802.11 b/g/n) and Wi-Fi hotspot functions.

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+ #23093+AE2(PICC)	--
Set. NFC02	EUT1	--
Set. NFC03	EUT1+AE2(PICC)	--

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

CFR 47 Part 15	General Rules and Regulations. Part 15 — Radio Frequency Devices. Subpart C — Intentional Radiators. § 15.207 Conducted limits.	2012
ANSI C63.4	§ 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. American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.	2009

## 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 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
1	Electric Field Strength of Fundamental Emissions	CFR 47 § 15.225(a)	A.1	P(Set. NFC03)
2	Electric Field Strength of Outside the Allocated Bands	CFR 47 § 15.225(b) CFR 47 § 15.225(c)		P(Set. NFC03)
3	Electric Field Radiated Emissions	CFR 47 § 15.209	A.2	P(Set. NFC01)
		CFR 47 § 15.225(d)	A.3	P(Set. NFC01)
4	Frequency Tolerance	CFR 47 § 15.225(e)	A.4	P(Set. NFC02)
5	20dB Bandwidth	CFR 47 § 15.215(c)	A.5	P(Set. NFC02, 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:

Temperature	T min	-30 °C
	T nom	20 °C
	T max	50 °C
Voltage	V min	3.5 V
	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:**

P	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.

## 7. Test Equipments Utilized

No.	Name	Type	Serial No.	MANUFACTURER	CALIBRATION DUE DATE
1.	NFC Tester	E1141	000019	AT4 Wireless	/
2.	RFID Tester	NI PXIe-1062Q	16929DF	VI	2013-12-06
3.	H-field Antenna	HFH2-Z2	829324/0007	R&S	2013-07-02
4.	Spectrum Analyzer	RSA3408A	B 010277	Tektronix	2013-06-05
5.	Thermal Chamber	PL-2G	343074	ESPEC	2013-05-12
6.	Coil antenna	/	/	VI	/
7.	Test Receiver	ESU26	100376	R&S	2013-11-07
8.	Spectrum Analyzer	E4440A	MY48250642	Agilent	2014-03-04
9.	EMI Antenna	VULB 9163	514	Schwarzbeck	2014-11-10
10.	Signal Generator	SMF100A	101295	R&S	2013-11-08
11.	Test Receiver	ESCI	100344	R&S	2014-03-28
12.	LISN	ESH2-Z5	829991/012	R&S	2014-04-16
13.	Signal Generator	SMF100A	101295	R&S	2013-11-08
14.	Power Meter	NRVD	830954/042	R&S	2013-12-12
15.	Power Amplifier	250W1000	26339	AR	/
16.	Power Amplifier	AS0104-100/ 55	1034090	MILMEGA	/
17.	EMS Antenna	HL046	358714	R&S	/
18.	EMS Antenna	AT4002A	321428	AR	/
19.	Signal Generator	SML01	106247	R&S	2013-04-27
20.	Power Meter	NRVD	102040	R&S	2013-05-27
21.	Power Amplifier	150A220	0326453	AR	/
22.	Coupling/decoupling network	CDN-M2/32	9912001C	EM TEST	2014-07-31
23.	Current Clamp	F-120-9A	182	FCC	2014-04-02
24.	Ultr-compact Simulator	UCS500-N7	V0940105198	EM TEST	2013-04-24
25.	Universal Radio Communication Tester	CMU 200	116455	R&S	2013-05-20
26.	Universal Radio Communication Tester	CMU 200	102228	R&S	2013-07-07

## **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**

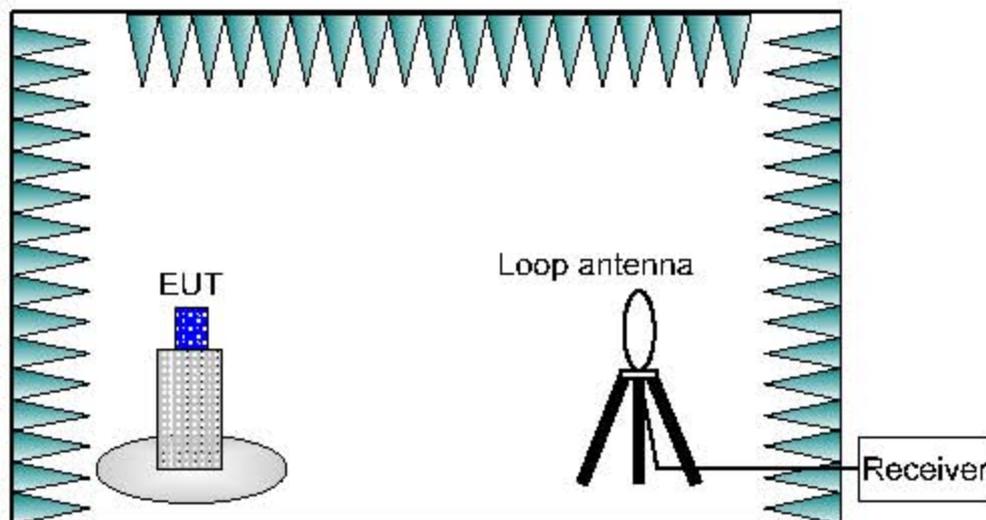
The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The E-field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

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



#### **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 ~ 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 13.567 to 13.710	+334	90
13.110 to 13.410 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:

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

#### 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**.

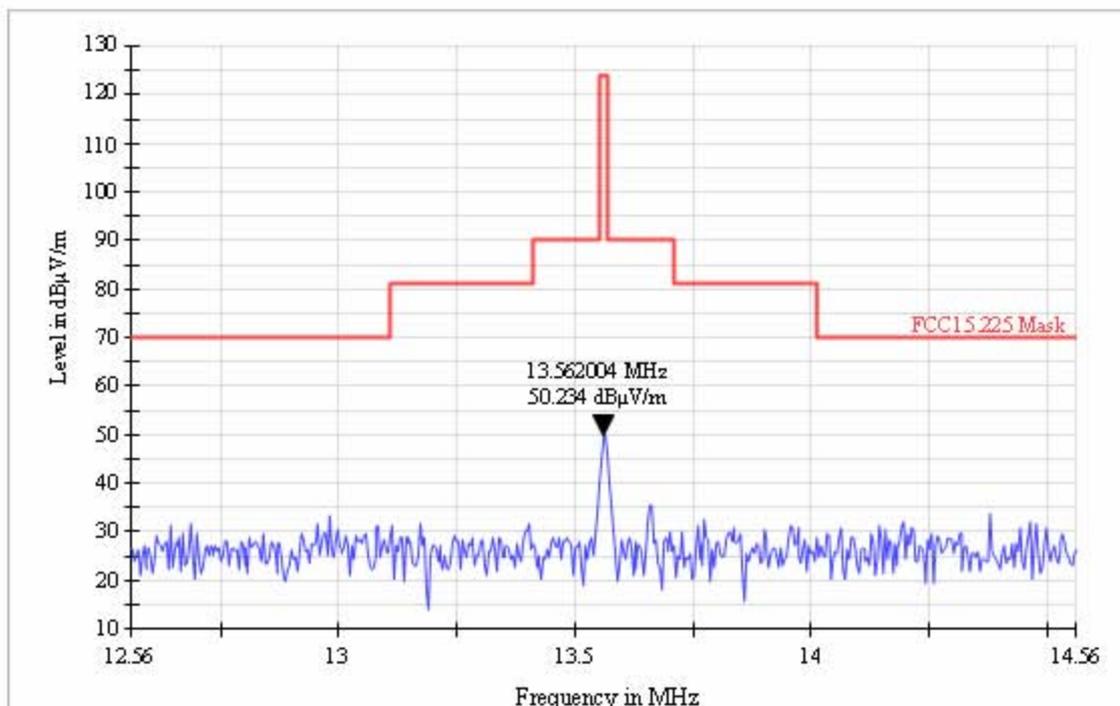


Figure A-1: Set. NFC03

## 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

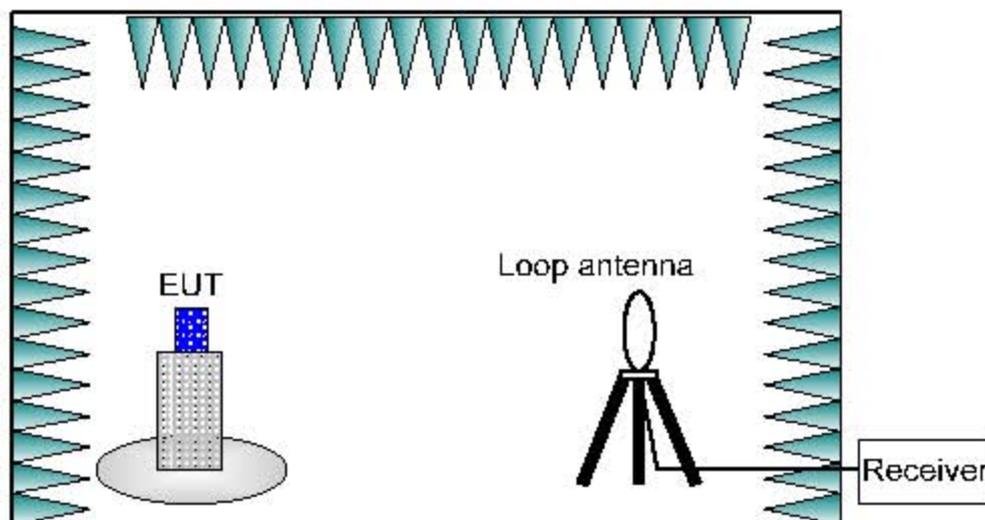
The transmitter carrier output levels (E-Field) from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The center of the receiving loop antenna is 1.0 meter above the ground. The E-field 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/BW
0.009-0.15	100/300 Hz
0.15-30	10/30 kHz

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

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



### 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 ~ 25 °C.

#### A.2.4. Limits

Frequency Range (MHz)	E-field Strength Limit @ 30m (mV/m)	E-field Strength Limit @ 3m (dB $\mu$ V/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:

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

#### 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**.

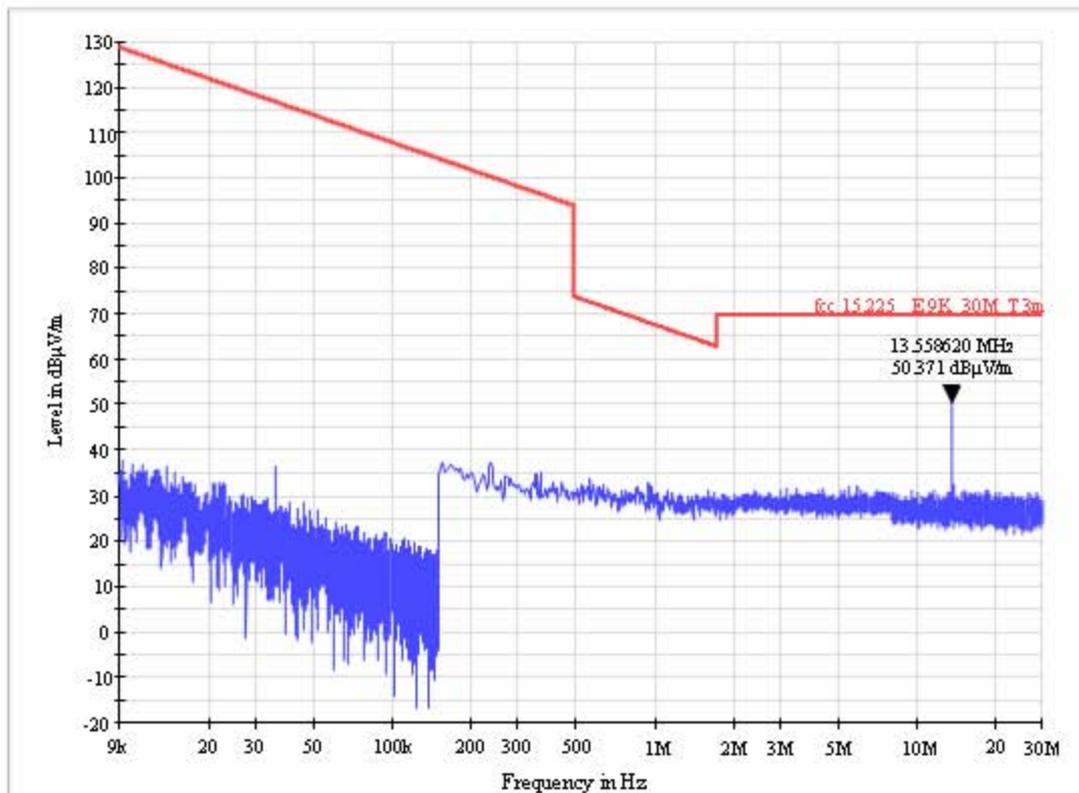


Figure A-2: Set. NFC01

### A.3. Electric Field Radiated Emissions ( $\geq 30$ MHz)

#### A.3.1. Reference

See Clause 13.4, Clause 8, and Annex E of AN SI C63.4-2009 specifically.

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

### A.3.2. Measurement Methods

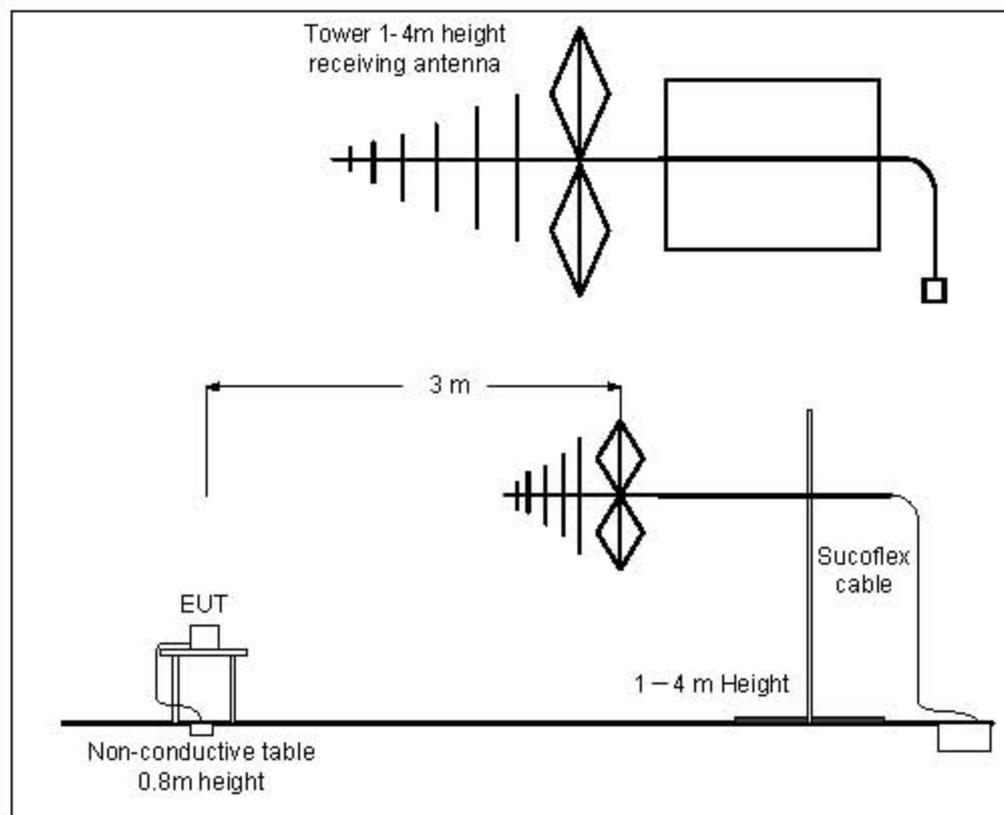
The electric field radiated emissions from the EUT are measured in a semi-anechoic chamber. The EUT is placed on a non-conductive stand of 80cm high, and at a measurement distance of 3m from the receiving antenna. The receiving antennas connected to a measurement receiver comply with Clause 15 of ANSI 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

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

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



### 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 ~ 25 °C.

#### A.3.4. Limits

Frequency Range (MHz)	E-field Strength Limit @3m (mV/m)	E-field Strength Limit @3m (dB $\mu$ V/m)
30-88	100	40
88-216	150	43.5
216-960	200	46

#### 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**.

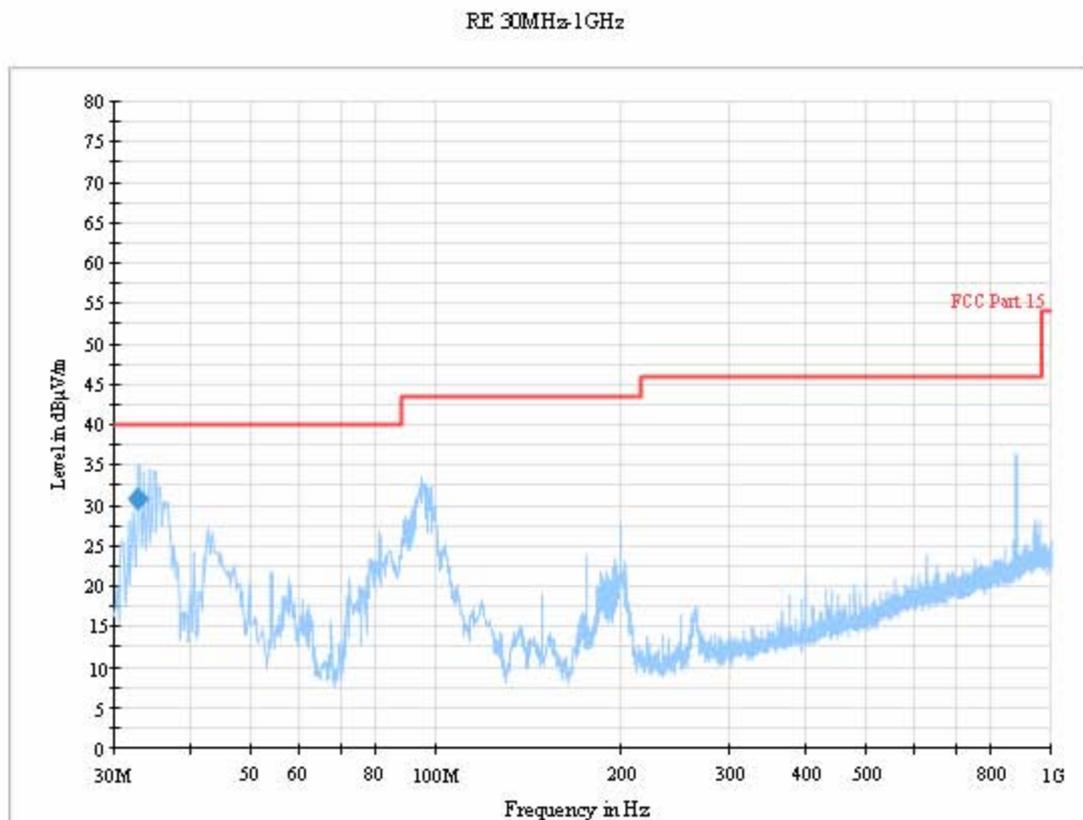


Figure A-3: Set. NFC01

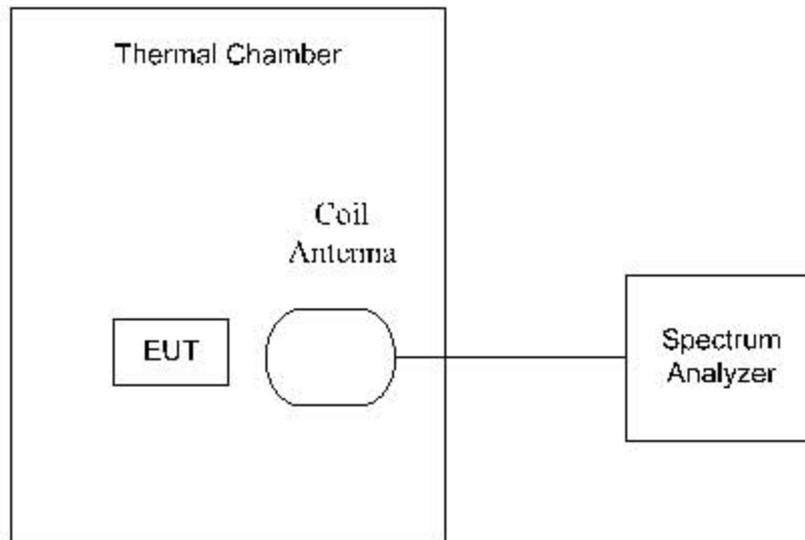
### A.4. Frequency Tolerance

#### 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 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.

#### 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**.

**Table A-1: Frequency Stability VS Temperature and Voltage**

Temperature	Voltage	Frequency Error (MHz)			
		Startup	2 Min Later	5 Min Later	10 Min Later
T min	V nom	13.5601704	13.5601454	13.5601016	13.5600579
T max	V nom	13.5602016	13.5601704	13.5601516	13.5601391
T nom	V nom	13.5601906	13.5601875	13.5601875	13.5601878
T nom	V min	13.5601846	13.5601807	13.5601827	13.5601708
T nom	V max	13.5601735	13.5601901	13.5601745	13.5601733

Temperature	Voltage	Frequency Error (%)			
		Startup	2 Min Later	5 Min Later	10 Min Later
T min	V nom	0.001	0.001	0.001	0.000
T max	V nom	0.001	0.001	0.001	0.001
T nom	V nom	0.001	0.001	0.001	0.001
T nom	V min	0.001	0.001	0.001	0.001
T nom	V max	0.001	0.001	0.001	0.001

## **A.5. 20dB Bandwidth**

### **A.5.1. Reference**

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

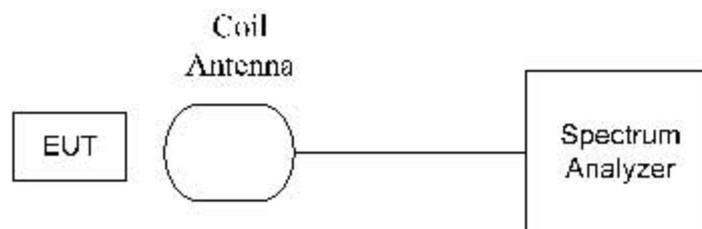
See Clause 4, Clause 5, and Clause 6 of ANSI C63.4-2009 generally.

### **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 100Hz RBW, 300Hz VBW and 5kHz 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).

EUT1 had been not connected to a travel adapter.

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

#### A.5.4. Test Layouts

See A.5.2.

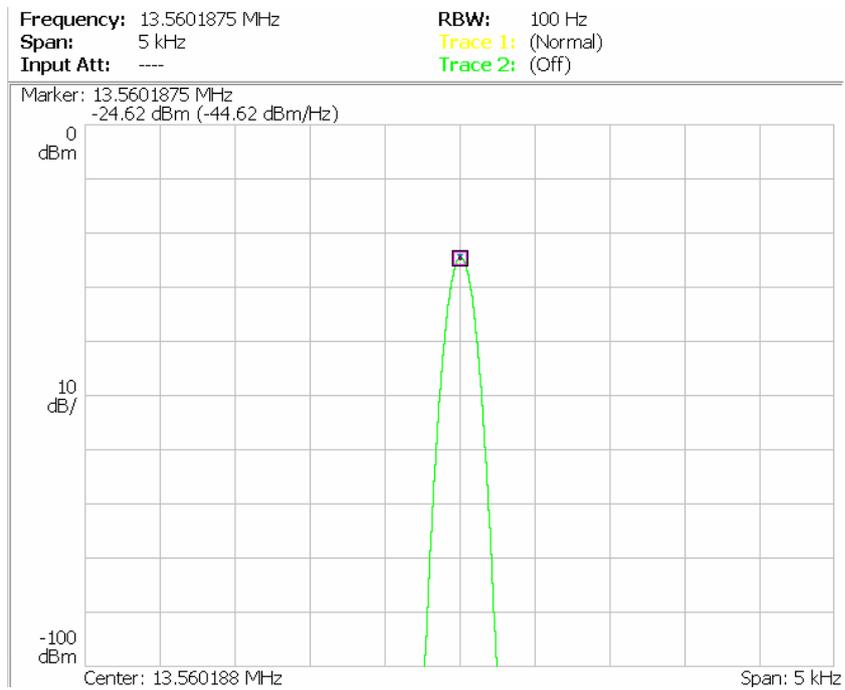
#### A.5.5. Limits

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.

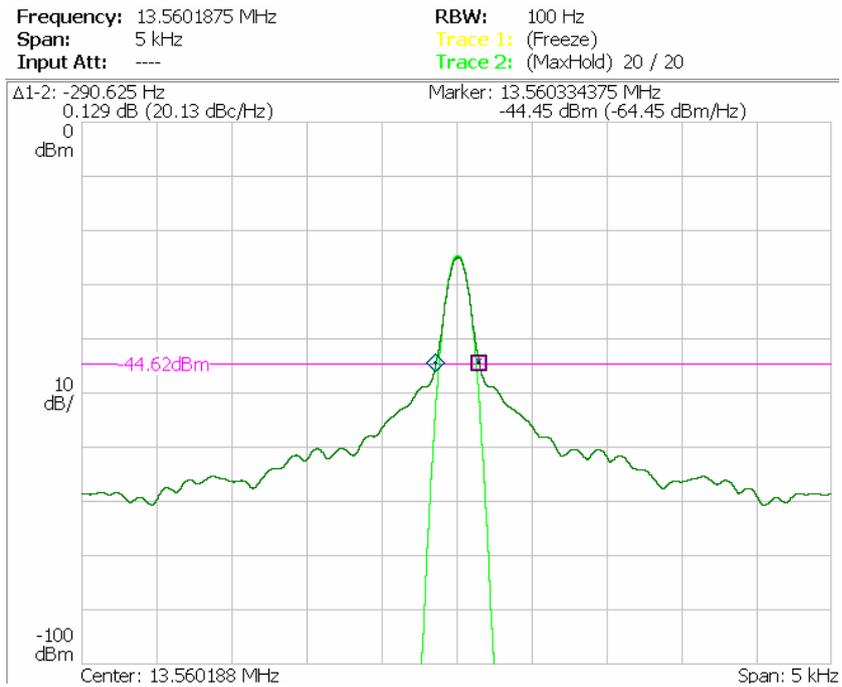
#### A.5.6. Measurement Results

Measurement results see Figure A-4 and Figure A-5.

**Conclusions:** Set. NFC02, 03, **PASS**.



**Figure A-4: Test result at test Set. NFC02**



**Figure A-5: Test result at test Set. NFC03**

## **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.

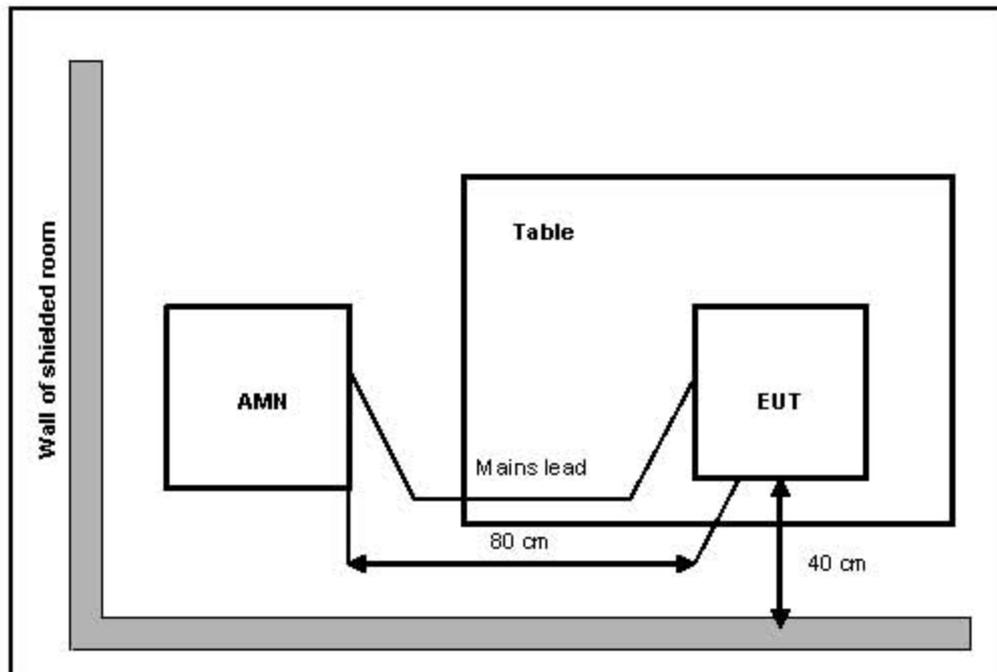
### **A.6.2. Measurement Methods**

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 ~ 25 °C.

#### A.6.4. Limits

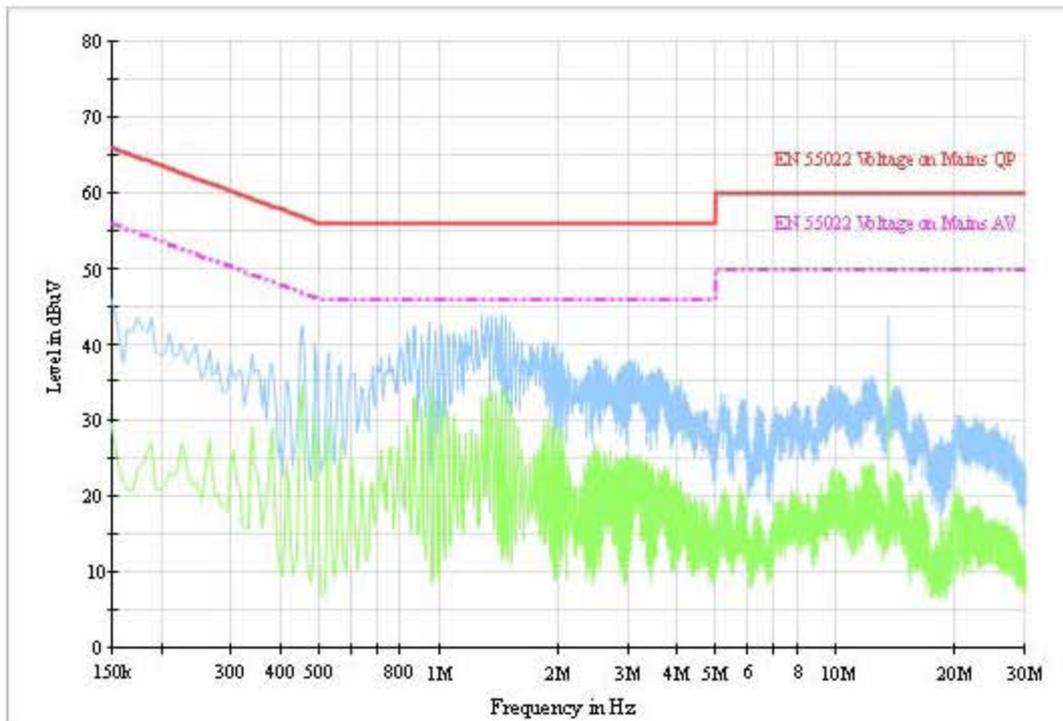
Frequency range (MHz)	Quasi-peak Limit (dB $\mu$ V)	Average Limit (dB $\mu$ V)
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 to 30	60	50

#### A.6.5. Measurement Results

Measurement results see Figure A-6.

**Conclusions:** Set. NFC01, **PASS**.

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



### Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
13.560001	54.5	GND	L1	9.6	5.5	60.0

### Final Result 2

Frequency (MHz)	CAverage (dBµV)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
13.560001	50.3	GND	L1	9.6	-0.3	50.0

Figure A-6: Test result at test set. NFC01

\*\*\*END OF REPORT\*\*\*