



FCC/IC Test Report

FOR:

Manufacturer: Sony
Type Number: PM-0745-BV
FCC ID: PY7PM-0745

Report for the NFC Radio 13.56MHz

TEST REPORT #: EMC_CETEC_063_13001_NFC
DATE: 2014-01-21



FCC:
Accredited

IC recognized #
3462B-1

CETECOM Inc.

411 Dixon Landing Road • Milpitas, CA 95035 • U.S.A.

Phone: + 1 (408) 586 6200 • Fax: + 1 (408) 586 6299 • E-mail: info@cetecomusa.com • <http://www.cetecom.com>

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1 Assessment

The following device was tested against the applicable criteria specified in FCC rules Part 15.215, 15.225, 15.207, 15.209 and Industry Canada Radio Standard Specification RSS 210 Issue 8, Annex 2.

No deviations were ascertained during the course of the tests performed.

Company	Description	Type #
SONY	Smart Phone GPRS/EGPRS 850/900/1800/1900; UMTS HSPA FDDI/II/IV/V/VIII; LTE FDD1/2/3/4/5/7/8; WLAN b/g/n/a/ac; BT 4.0; RFID; ANT+; A-GPS	PM-0745-BV

Responsible for Testing Laboratory:

		Franz Engert	
2014-01-21	Compliance	(Test Lab Manager EMC)	
Date	Section	Name	Signature

Responsible for the Report:

		Josie Sabado	
2014-01-21	Compliance	(Test Lab Manager)	
Date	Section	Name	Signature

The test results of this test report relate exclusively to the test item specified in Section 3. CETECOM Inc. USA does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of CETECOM Inc. USA.



2 Administrative Data

2.1 Identification of the Testing Laboratory Issuing the Test Report

Company Name:	CETECOM Inc.
Department:	Compliance
Address:	411 Dixon Landing Road Milpitas, CA 95035 U.S.A.
Telephone:	+1 (408) 586 6200
Fax:	+1 (408) 586 6299
Test Lab Manager:	Franz Engert
Test Engineer:	Kenneth Reyes

2.2 Identification of the Client

Applicant's Name:	Sony Mobile Communications AB
Street Address:	22188 Lund / Sweden
City/Zip Code	---
Country	Sweden
Contact Person:	Mikael Nilsson
Phone No.	+46 46 19 30 00
e-mail:	Micke.nilssonA@sonymobile.com

2.3 Identification of the Manufacturer

Manufacturer's Name:	Same as client.
Manufacturers Address:	
City/Zip Code	
Country	

3 Equipment under Test (EUT)

3.1 Specification of the Equipment under Test

Type No:	PM-0745-BV
Product Description:	Smart Phone GPRS/EGPRS 850/900/1800/1900; UMTS HSPA FDDI/II/IV/V/VIII; LTE FDD1/2/3/4/5/7/8; WLAN b/g/n/a/ac; BT 4.0; RFID; ANT+; A-GPS
Radios included:	<ol style="list-style-type: none"> 1. Cellular Radio Module <ul style="list-style-type: none"> • GSM/EGPRS 850 / 900 / 1800 / 1900 • UMTS HSPA FDD II/IV/V • LTE FDD 2/4/5/7 2. WLAN 802.11 b/g/n/a/ac 2.4 and 5.0 GHz bands of operation 3. Bluetooth 2.1+ EDR 4. Bluetooth 4.0 (LE) 5. ANT+ 6. GPS 1575.42 MHz 7. NFC (13.56 MHz)
FCC ID:	PY7PM-0745
Rated Operating Voltage Range:	Vmin: 3.3V/ Vnom: 3.7V/ Vmax: 4.2V Li-polymer Battery
Rated Operating Temperature Range:	-30°C ~ +60°C

3.2 Identification of the Equipment Under Test (EUT)

EUT #	IMEI	Type	HW/SW Version	Sample
1	004402451808277	PM-0745-BV	AP1.1 / 17.0.A.0.276	Radiated

3.3 Identification of Accessory equipment

AE #	Type	Manufacturer	Type	S/N
1	AC/DC Adapter	Sony Ericsson	CAA-0002016-JP B	11 11W 27 408396 SEM0205

3.4 Environmental Conditions during test:

The following environmental conditions were maintained during the course of testing:

Ambient Temperature: 20-25°C

Relative humidity: 40-60%

3.5 Dates of testing:

01/11/2014 – 01/13/2014

3.6 Testing notes:

The EUT is tested in the following configurations:

1. EUT is connected to AC/DC Adapter and put in charging mode



4 Test result summary

Test Specification	Test Case	Temperature and Voltage Conditions	Mode	Pass	Fail	NA	NP	Result
§15.225 (a)(b)(c) RSS 210 A2.6	Carrier Frequency Field Strength	Nominal	TX Mode	■	□	□	□	Complies
§15.225(d) §15.209 RSS 210 A2.6	TX Spurious Emissions Radiated	Nominal	TX Mode	■	□	□	□	Complies
§15.207(a)	Conducted Emissions <30MHz	Nominal	TX Mode	■	□	□	□	Complies
§15.225(e)	Frequency Stability	Extreme	TX Mode	■	□	□	□	Complies

Note: NA= Not Applicable; NP= Not Performed.

5 Measurement Results

5.1 Field Strength Requirements

5.1.1 Reference and Limits

FCC: CFR 15.225(a)(b)(c)
IC: RSS 210 A2.6

The Field strength of any emissions within the band 13.110 – 14.010 MHz shall not exceed the following limits:

Frequency (MHz)	Field strength limit in $\mu\text{V/m}$ @ 30m	Field strength limit in $\text{dB}\mu\text{V/m}$ @ 3m extrapolated as per FCC part 15.31(f)(2), 40dB/decade
13.110 – 13.410	106	80
13.410 – 13.533	334	90.5
13.553 – 13.567	15848	124
13.567 – 13.710	334	90.5
13.710 – 14.010	106	80

5.1.2 Measurement Procedure

ANSI C63.4 (2009)

The EUT should be set up in its typical configuration and arrangement, and operated to transmit maximum power. For tabletop systems, cables or wires should be manipulated within the range of likely arrangements. For floor-standing equipment, the cables or wires should be located in the same manner as the user would install them and no further manipulation is made. For combination EUTs, the tabletop and floor-standing portions of the EUT shall follow the procedures for their respective setups and cable manipulation. If the manner of cable installation is not known, or if it changes with each installation, cables or wires for floor-standing equipment shall be manipulated to the extent possible to produce the maximum level of emissions.

This investigation is performed with the EUT placed on a non-metallic table 80cm above the ground reference plane. The EUT is rotated 360° and the measurement antenna alternated to repeat the measurements for both planar and coplanar antenna polarizations. The carrier frequency is maximized by altering the measurement antenna polarity and EUT orientation.



1. Connect the equipment in a radiated test environment with EUT’s antenna in the Horizontal position
2. Adjust the EUT settings to transmit maximum power
3. Set the spectrum analyzer to measure peak hold with the required settings.
4. Place the measurement antenna in a planar orientation. Rotate the EUT 360°
5. Repeat the measurement with the receiving antenna in a coplanar orientation. Rotate the EUT 360°

5.1.3 Measurement Settings

Spectrum Analyzer settings:

RBW = 9 kHz;

VBW = 30 kHz

Detector: Peak-Max Hold.

5.1.4 Test Conditions:

Tnom: 20°C; Vnom: 3.7 V

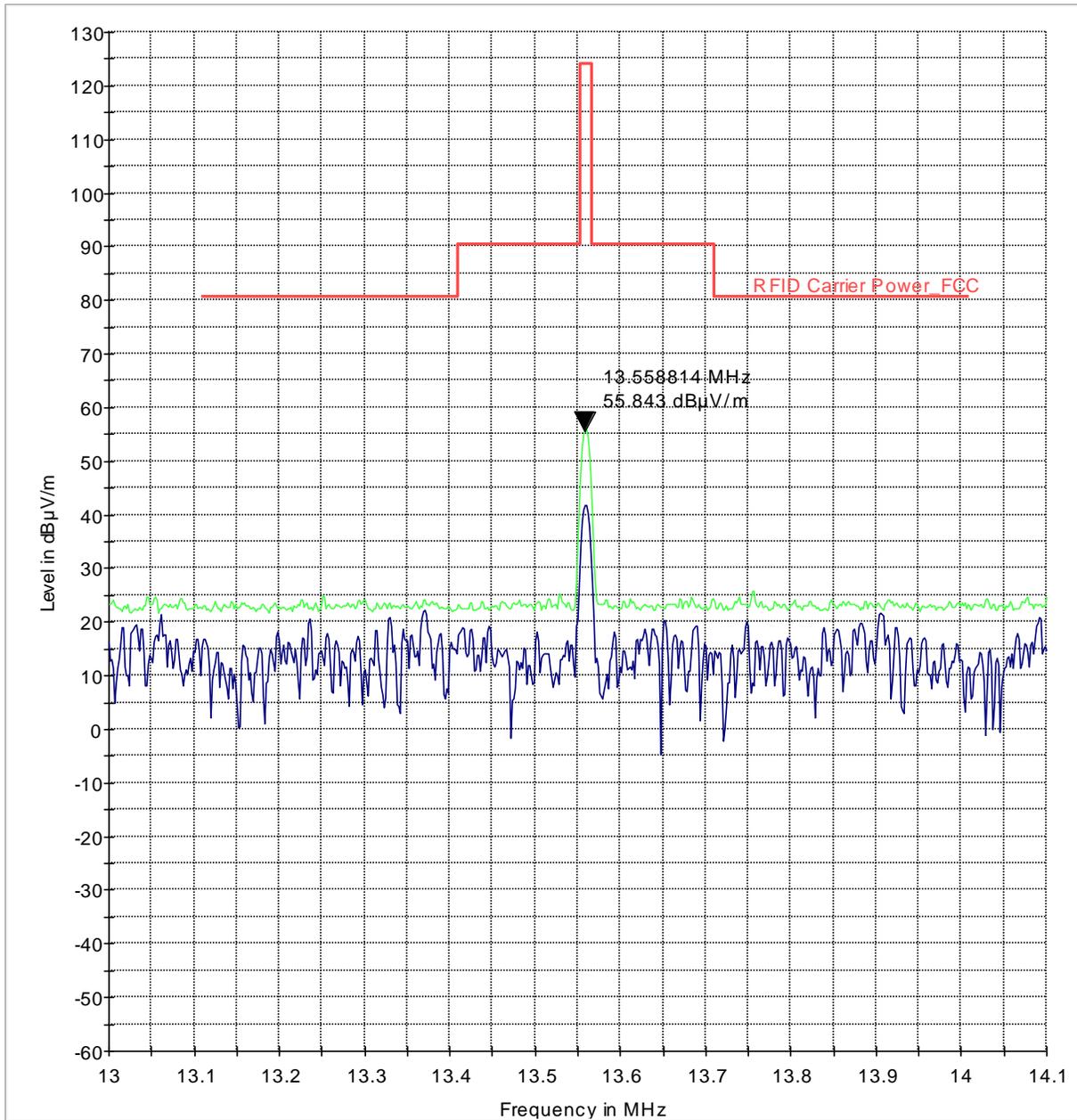
5.1.5 Test Verdict

Pass.

Maximum field strength measured in dBµV/m @ 3m
58.8
Pass

5.1.6 Measurement Plots

5.1.6.1 NFC Peak Field Strength @3m distance



— MaxPeak-ClearWrite-PK+ — MaxPeak-MaxHold-PK+ — RFID Carrier Power_FCC

5.2 Frequency Stability

5.2.1 Reference and Limits

§15.225(e) & RSS – 210 (A2.6)

Limit is +/- 0.01% or ±100 ppm

NOTE: Freq. Error (ppm) = Freq. Error (Hz) / 13.56MHz

5.2.2 Measurement Procedure

ANSI C63.4 (2009)

The EUT should be set up in its typical configuration and arrangement, and operated to transmit maximum power. For tabletop systems, cables or wires should be manipulated within the range of likely arrangements. For floor-standing equipment, the cables or wires should be located in the same manner as the user would install them and no further manipulation is made. For combination EUTs, the tabletop and floor-standing portions of the EUT shall follow the procedures for their respective setups and cable manipulation. If the manner of cable installation is not known, or if it changes with each installation, cables or wires for floor-standing equipment shall be manipulated to the extent possible to produce the maximum level of emissions.

This investigation is performed with the EUT placed on a non-metallic table 80cm above the ground reference plane. The EUT is rotated 360° and the measurement antenna alternated to repeat the measurements for both planar and coplanar antenna polarizations. The carrier frequency is maximized by altering the measurement antenna polarity and EUT orientation.

5.2.3 Measurement Settings

RBW 50Hz

VBW 200Hz

Span 1 kHz

Detector: Peak-Max Hold.

5.2.4 Test Conditions

Tnom: 20°C; Vnom: 3.7 V

As the unit has no exchangeable Battery and there was no conducted NFC device available the low Voltage (3.3V) was carried out when Battery symbol was low. The nominal (3.7V) measurement was carried out with Battery symbol on 50% and the high (4.2V) measurement was carried out on Battery symbol on 100%.



5.2.5 Test Verdict

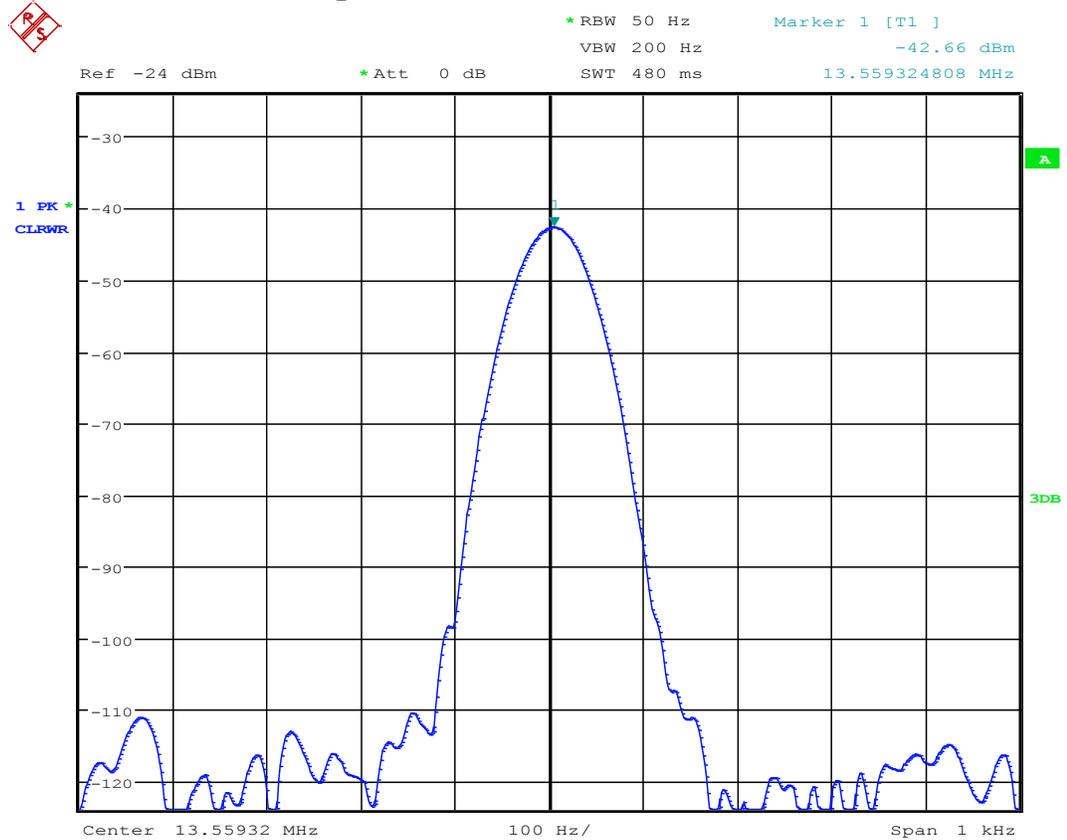
Pass

5.2.6 Test Results and Plots

NFC (Near Field Communication)	13.56 MHz	Nom Vol: 3.7V (Battery 50%)
Temperature (°C)	Freq. Error (Hz)	Freq. Error (ppm)
-29.8	13.5593MHz Error 700Hz	-51
-20.3	13.5594MHz Error 700Hz	-51
-10.1	13.5594MHz Error 600Hz	-42
0.2	13.5594MHz Error 600Hz	-42
+9.9	13.5594MHz Error 600Hz	-42
+20.3	13.5592MHz Error 800Hz	-59
+30.1	13.5593MHz Error 700Hz	-51
+40.2	13.5593MHz Error 700Hz	-51
+50.5	13.5593MHz Error 700Hz	-51

NFC (Near Field Communication)	13.56 MHz	Temperature 20°C
Extreme Voltage	Freq. Error (Hz)	Freq. Error (ppm)
3.3V (Battery 10%)	13.5593MHz Error 700Hz	-51
4.2V (Battery 100%)	13.5594MHz Error 700Hz	-51

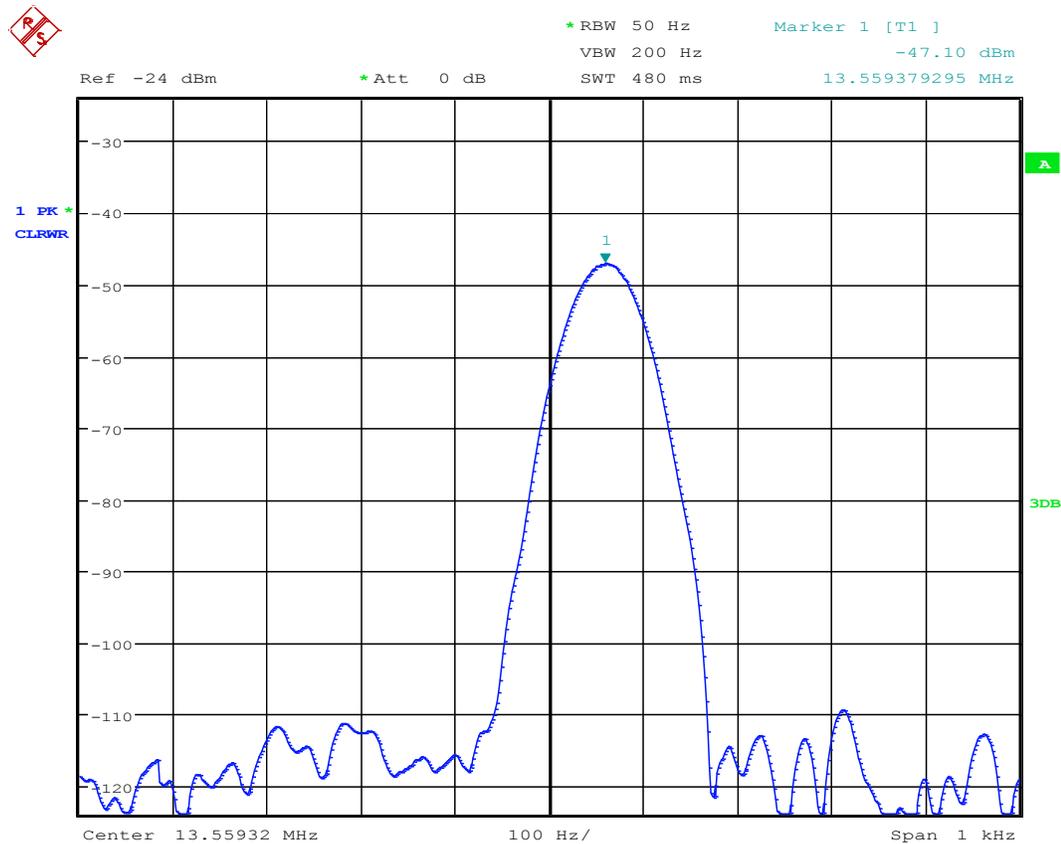
Screenshot for -29.8degC



low

Date: 12.JAN.2014 22:50:40

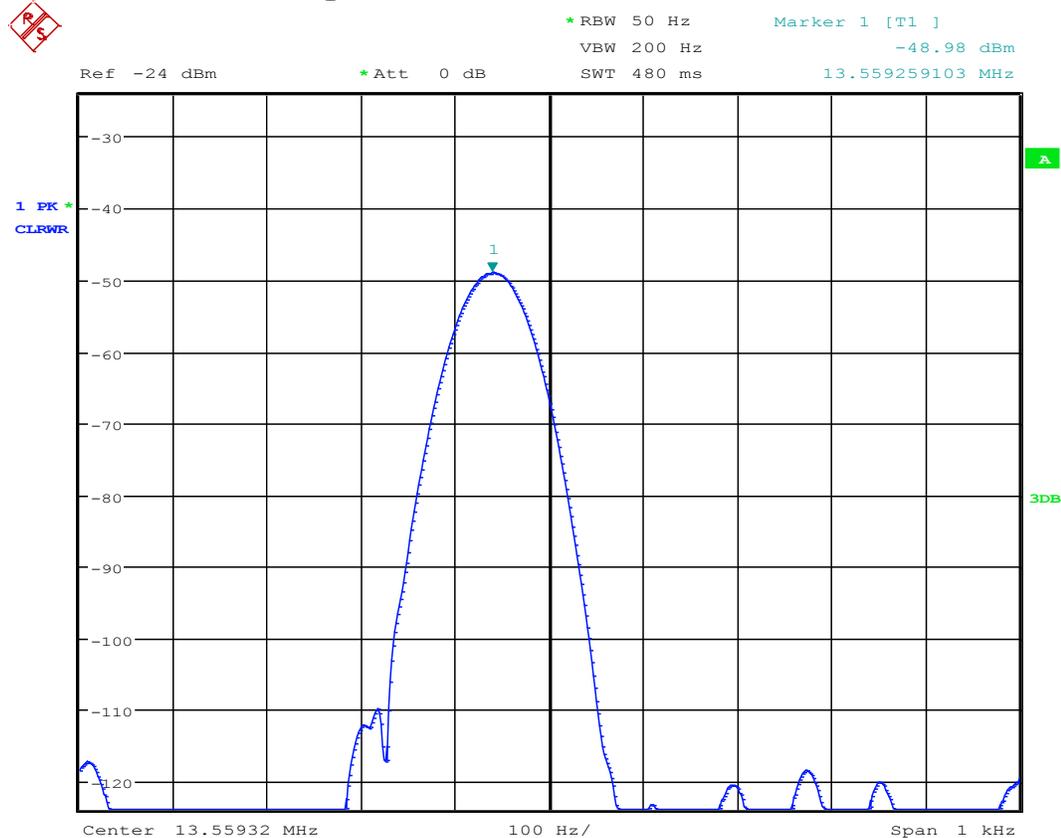
Screenshot for 9.9degC



low

Date: 12.JAN.2014 22:09:16

Screenshot for 50.5degC



low

Date: 12.JAN.2014 21:51:04

5.3 Radiated Emissions

5.3.1 Reference and Limits

§15.225/15.209

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (m)
0.009–0.490	2400/F(kHz)	300
0.490–1.705	24000/F(kHz)	30
1.705–30.0	30 (29.5 dBµV/m)	30
30–88	100 (40dBµV/m)	3
88–216	150 (43.5 dBµV/m)	3
216–960	200 (46 dBµV/m)	3
Above 960	500 (54 dBµV/m)	3

5.3.2 Measurement Procedure

ANSI C63.4 (2009) Section 8.3.1.1: Exploratory radiated emission measurements

Exploratory radiated measurements shall be performed at the measurement distance or at a closer distance than that specified for compliance to determine the emission characteristics of the EUT. At near distances, for EUTs of comparably small size, it is relatively easy to determine the spectrum signature of the EUT and, if applicable, the EUT configuration that produces the maximum level of emissions. A shielded room may be used for exploratory testing, but may have anomalies that can lead to significant errors in amplitude measurements.

Broadband antennas and a spectrum analyzer or a radio-noise meter with a panoramic display are often useful in this type of testing. It is recommended that either a headset or loudspeaker be connected as an aid in detecting ambient signals and finding frequencies of significant emission from the EUT when the exploratory and final testing is performed in an OATS with strong ambient signals. Caution should be taken if either antenna height between 1 and 4 meters or EUT azimuth is not fully explored. Not fully exploring these parameters during exploratory testing may require complete testing at the OATS or semi-anechoic chamber when the final full spectrum testing is conducted.

The EUT should be set up in its typical configuration and arrangement, and operated in its various modes. For tabletop systems, cables or wires should be manipulated within the range of likely arrangements. For floor-standing equipment, the cables or wires should be located in the same manner as the user would install them and no further manipulation is made. For combination EUTs, the tabletop and floor-standing portions of the EUT shall follow the procedures for their respective setups and cable manipulation. If the manner of cable installation is not known, or if it changes with each installation,

cables or wires for floor-standing equipment shall be manipulated to the extent possible to produce the maximum level of emissions.

For each mode of operation required to be tested, the frequency spectrum shall be monitored. Variations in antenna height between 1 and 4 m, antenna polarization, EUT azimuth, and cable or wire placement (each variable within bounds specified elsewhere) shall be explored to produce the emission that has the highest amplitude relative to the limit. A step-by-step technique for determining this emission can be found in Annex C.

When measuring emissions above 1 GHz, the frequencies of maximum emission shall be determined by manually positioning the antenna close to the EUT and by moving the antenna over all sides of the EUT while observing a spectral display. It will be advantageous to have prior knowledge of the frequencies of emissions above 1 GHz. If the EUT is a device with dimensions approximately equal to that of the measurement antenna beamwidth, the measurement antenna shall be aligned with the EUT.

ANSI C63.4 (2009) Section 8.3.1.2: Final radiated emission measurements

Based on the measurement results in 8.3.1.1, the one EUT, cable and wire arrangement, and mode of operation that produces the emission that has the highest amplitude relative to the limit is selected for the final measurement. The final measurement is then performed on a site meeting the requirements of 5.3, 5.4, or 5.5 as appropriate without variation of the EUT arrangement or EUT mode of operation. If the EUT is relocated from an exploratory test site to a final test site, the highest emission shall be remaximized at the final test location before final radiated emissions measurements are performed. However, antenna height and polarity and EUT azimuth are to be varied. In addition, the full frequency spectrum (for the range to be checked for meeting compliance) shall be investigated.

This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations. During the full frequency spectrum investigation, particular focus should be made on those frequencies found in exploratory testing that were used to find the final test configuration, mode of operation, and arrangement (associated with achieving the least margin with respect to the limit). This full spectrum test constitutes the compliance measurement.

For measurements above 1 GHz, use the cable, EUT arrangement, and mode of operation determined in the exploratory testing to produce the emission that has the highest amplitude relative to the limit. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the antenna in the “cone of radiation” from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response. The antenna may have to be higher or lower than the EUT, depending on the EUT’s size and mounting height, but the antenna should be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane. If the transmission line for the measurement antenna restricts its range of height and polarization, the steps needed to ensure the correct measurement of the maximum emissions, shall be described in detail in the report of measurements. Data collected shall satisfy the report requirements of Clause 10.

NOTES

- 1— Where limits are specified by agencies for both average and peak (or quasi-peak) detection, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.
- 2—Use of waveguide and flexible waveguide may be necessary at frequencies above 10 GHz to achieve usable signal-to noise ratios at required measurement distances. If so, it may be necessary to restrict the height search of the antenna, and special care should be taken to ensure that maximum emissions are correctly measured.
- 3—All presently known devices causing emissions above 10 GHz are physically small compared with the beam-widths of typical horn antennas used for EMC measurements. For such EUTs and frequencies, it may be preferable to vary the height and polarization of the EUT instead of the receiving antenna to maximize the measured emissions.

5.3.3 Measurement Settings

Spectrum Analyzer settings for final measurement		
Frequency Range	Detector	RBW
9kHz to 150kHz	Max Peak	200Hz
150kHz to 490kHz	Max Peak	9kHz
490kHz to 30MHz	Max Peak	9kHz
30MHz to 1GHz	Max Peak	120kHz
1GHz to 3GHz	Max Peak + Average	1MHz
3GHz to 18GHz	Max Peak + Average	1MHz
18GHz to 40GHz	Max Peak + Average	1MHz
Trace = Max Hold, VBW = Auto		

5.3.4 Test Conditions

Tnom: 20°C; Vnom: 3.7 V

5.3.5 Testing Notes

The relevant procedures of ANSI C63.4: 2009 have been followed.
 All radiated test data in this report shows the worst case emissions for H/V measurement antenna polarizations and for all three orthogonal orientations of the EUT.

For the measurement range up to 30 MHz in the following plots the field strength results from 3m distance measurement are extrapolated to 300m and 30m distance respectively, by 40dB/decade, according to part 15.31(f)(2).

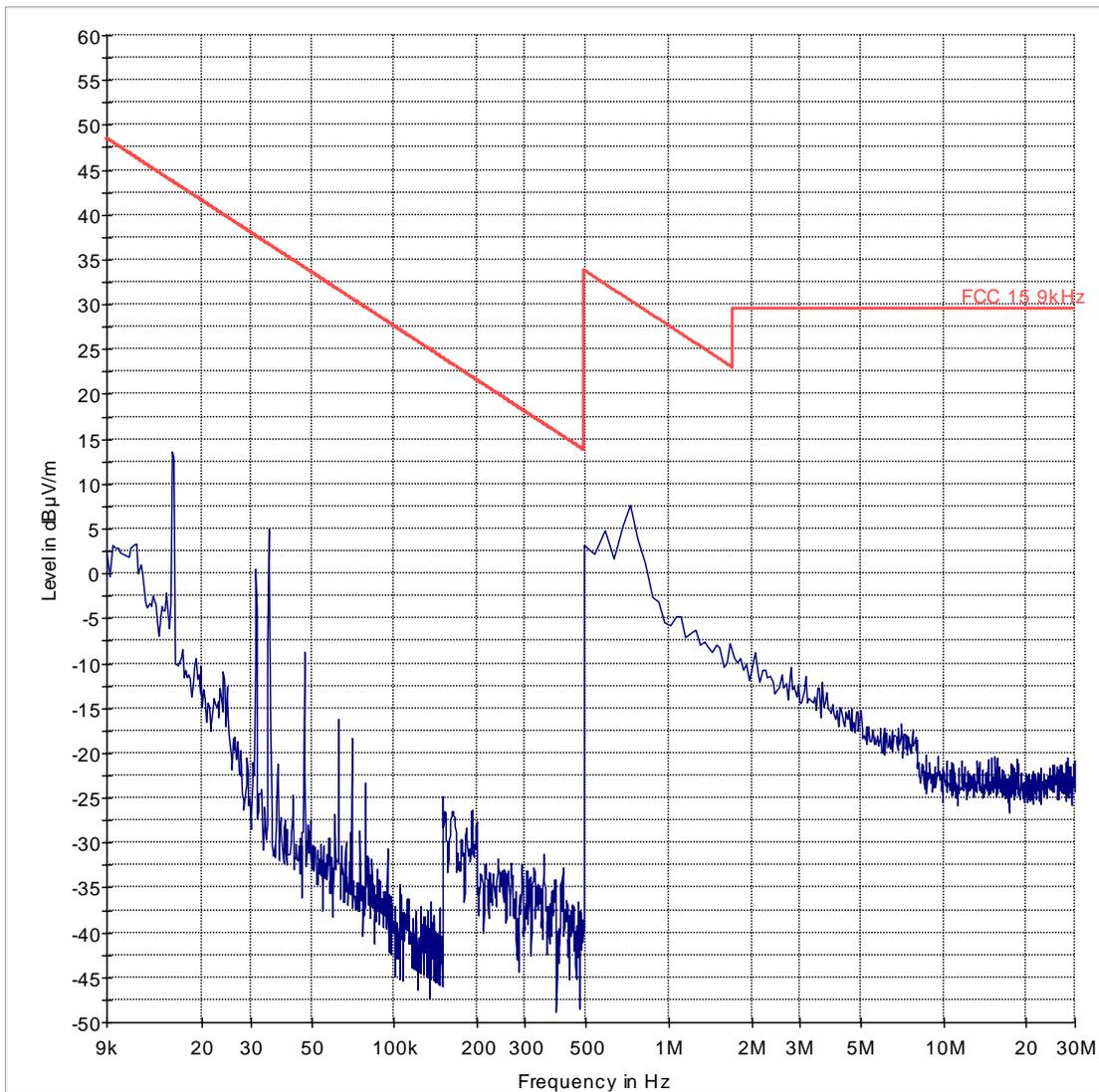
The red limit line shows the 300 m limit up to 490 kHz, the 30m limit up to 30 MHz and 3m limit above 30MHz.

5.3.6 Test Verdict

Pass.

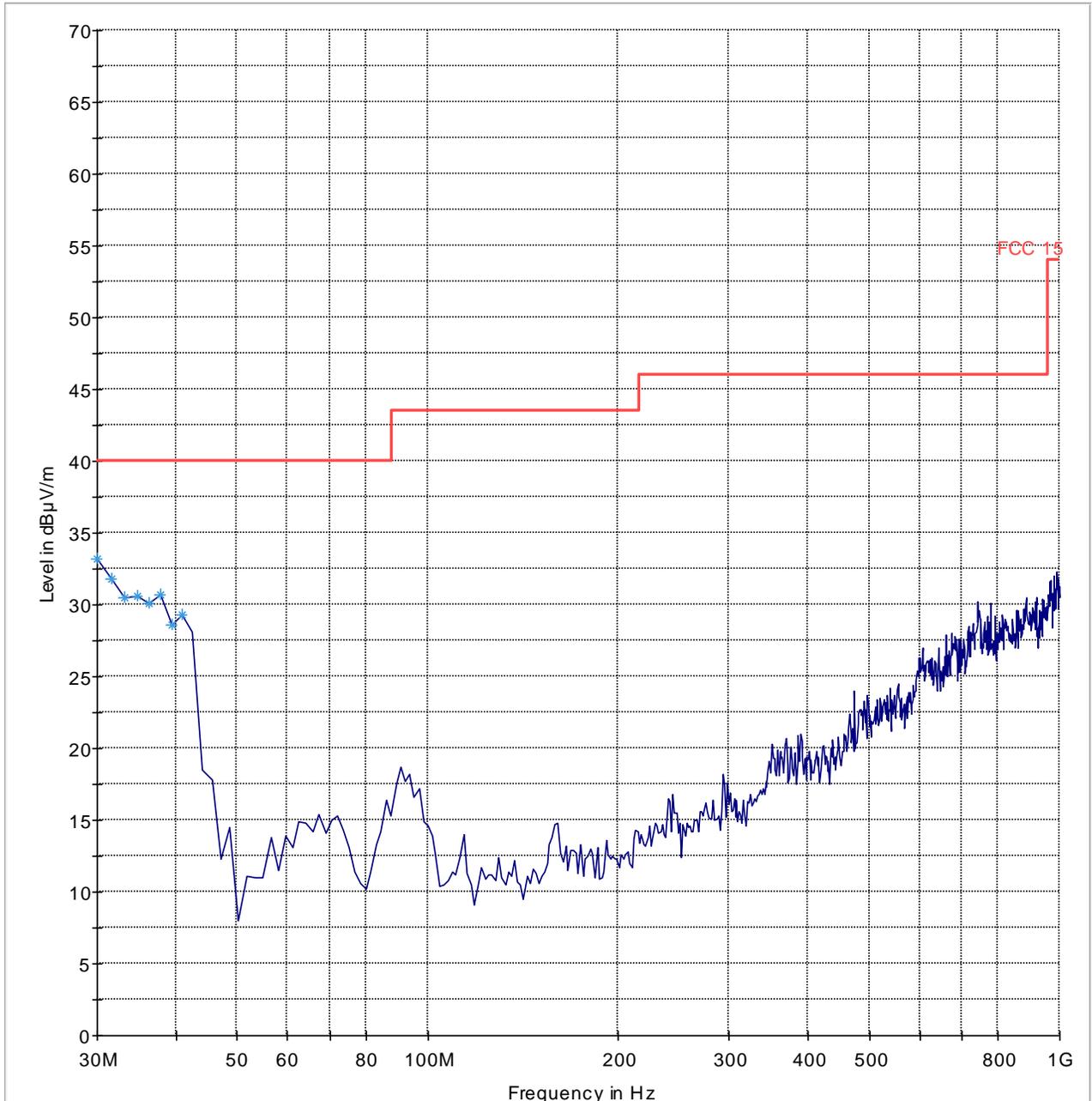
5.3.7 Test plots

5.3.7.1 NFC Radiated Emissions: 9k- 30 MHz



— FCC 15 9kHz — Preview Result 1-PK+

5.3.7.2 NFC Radiated Emissions: 30M- 1GHz



— FCC 15 — Preview Result 1-PK+ * Data Reduction Result 1 [3]-PK+

6 AC Power Line Conducted Emissions

6.1.1 Reference and Limits

§ 15.207

Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15–0.5	66 to 56*	56 to 46*
0.5–5	56	46
5–30	60	50

*Decreases with the logarithm of the frequency.

6.1.2 Measurement Procedure:

ANSI C63.4 (2009) Section 7.3.1: Measurements at a test site

Tabletop devices shall be placed on a nonconducting platform, of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane, when used, or wall of a screened room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground plane or on insulating material. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs. AC power-line adapters that are used with EUTs, such as notebook computers, should be placed as typically used (i.e., on the tabletop) if the adapter-to-EUT cord is too short to allow the power adapter to reach the floor. Each current-carrying conductor of the EUT power cord(s), except the ground (safety) conductor(s), shall be individually connected through a LISN to the input power source. All 50 Ω ports of the LISN shall be resistively terminated into 50 Ω loads when not connected to the measuring instrument. When the test configuration consists of multiple units (EUT and associated/peripheral equipment, or EUT consisting of multiple equipment) that have their own power cords, ac power-line conducted emissions measurements shall be performed with the ac power-line cord of the particular unit under test connected to one LISN that is connected to the measuring instrument. Those power cords for the units in the remainder of the configuration not under measurement shall be connected to a separate LISN or LISNs. This connection may be made using a multiple-receptacle device. Emissions from each current-carrying conductor of the EUT shall be individually measured. Where multiple portions of the EUT receive ac power from a common power strip, which is furnished by the manufacturer as part of the EUT, measurements need only be made on the current-carrying conductors of the common power strip. Adapters or extension cords connected between the EUT power cord plug and the LISN power receptacle shall be included in the LISN setup, such that the calibration of the combined adapter or extension cord with an adapter and the LISN meets the requirements of 5.2.3.

If the EUT consists of a number of devices that have their own separate ac power connections, e.g., a floorstanding frame with independent power cords for each shelf, that are able to connect directly to the ac power network, each current-carrying conductor of one device is measured while the other devices are connected to a second (or more) LISN(s). All devices shall be separately measured. If the manufacturer provides a power strip to supply power to all of the devices making up the EUT, only the conductors in the common power cord to the power strip shall be measured.

If the EUT is normally operated with a ground (safety) connection, the EUT shall be connected to the ground at the LISN through a conductor provided in the lead from the ac power to the LISN. The excess length of the power cord between the EUT and the LISN receptacle (or ac power receptacle where a LISN cannot be used), or an adapter or extension cord connected to and measured with the LISN, shall be folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length. If the EUT does not have a flexible power lead, the EUT shall be placed at a distance of 80 cm from the LISN (or power receptacle where a LISN cannot be used) and connected thereto by a power lead or appropriate connection no more than 1 m long. The measurement shall be made at the LISN end of this power lead or connection.

The LISN housing, measuring instrument case, reference ground plane, vertical conducting plane, if used, shall be bonded together.

ANSI C63.4 (2009) Section 7.3.3: Exploratory ac power-line conducted emission measurements

Exploratory measurements shall be used to identify the frequency of the emission that has the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable positions, and with a typical system equipment configuration and arrangement. For each mode of operation and for each ac power current-carrying conductor, cable manipulation may be performed within the range of likely configurations. For this measurement or series of measurements, the frequency spectrum of interest shall be monitored looking for the emission that has the highest amplitude relative to the limit. Once that emission is found for each current-carrying conductor of each power cord associated with the EUT (but not the cords associated with non-EUT equipment in the overall system), the one configuration and arrangement and mode of operation that produces the emission closest to the limit across all the measured conductors is recorded.

ANSI C63.4 (2009) Section 7.3.4: Final ac power-line conducted emission measurements

Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that produced the emission with the highest amplitude relative to the limit is selected for the final measurement. If the EUT is relocated from an exploratory test site to a final test site, the highest emissions shall be remaximized at the final test location before final ac power-line conducted emission measurements are performed. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment in the system) is then performed for the full frequency range for which the EUT is being tested for compliance without additional variation of the EUT arrangement, cable positions, or EUT mode of operation. If the EUT consists of equipment units that have their own separate ac power connections (e.g., a floor-standing frame with independent power cords for each shelf that are able to connect directly to the ac power network), then each current-carrying conductor of one unit is measured while the other units are connected to a second (or more) LISN(s). All units shall be measured separately. If the manufacturer provides a power strip to supply all the units making up the EUT, only the conductors in the power cord of the power strip shall be measured.

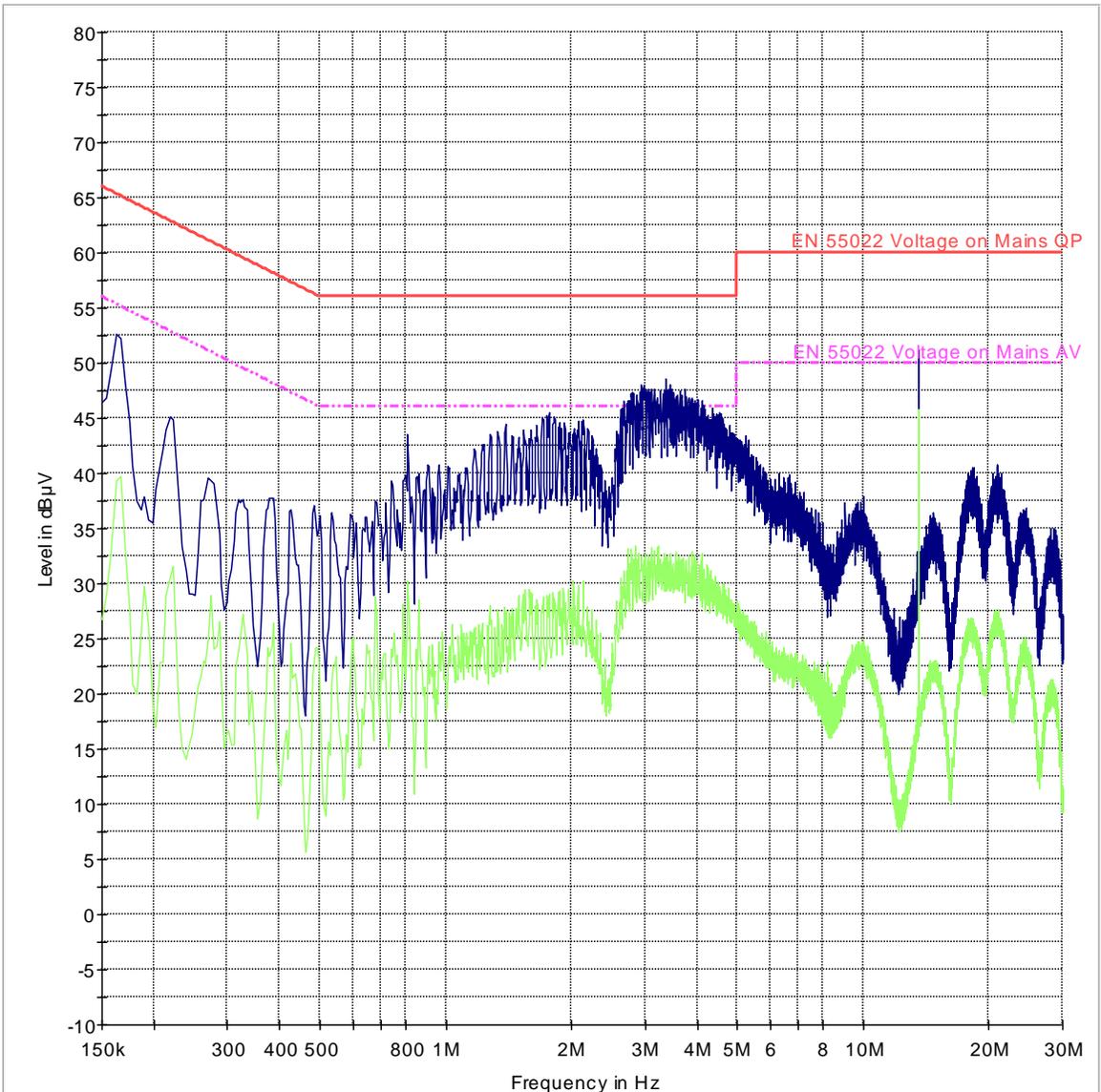
6.1.3 Test Verdict:

Pass.

6.1.4 Test Plots

Plots below show the worst case representation of emissions into LINE and NEUTRAL.

6.1.4.1 NFC AC Power Line Transients



— EN 55022 Voltage on Mains QP - - - EN 55022 Voltage on Mains AV
— Preview Result 1-PK+ — Preview Result 2-AVG

7 Test Equipment and ancillaries used for tests

No.	Equipment Name	Manufacturer	Type/model	Serial No.	Cal Date	Cal Interval
3m Semi- Anechoic Chamber:						
	Turn table	EMCO	2075	N/A	N/A	N/A
	MAPS Position Controller	ETS Lindgren	2092	0004-1510	N/A	N/A
	Antenna Mast	EMCO	2075	N/A	N/A	N/A
	Relay Switch Unit	Rohde&Schwarz	RSU	338964/001	N/A	N/A
	EMI Receiver/Analyzer(*)	Rohde&Schwarz	ESU 40	100365	Feb 2013	1 Year
	1500MHz HP Filter	Filtek	HP12/1700	14c48	N/A	N/A
	2800 MHz HP Filter	Filtek	HP12/2800	14C47	N/A	N/A
	Pre-Amplifier	Miteq	JS40010260	340125	N/A	N/A
	Binconilog Antenna	EMCO	3141	0005-1186	Apr 2012	3 Years
	Binconilog Antenna	ETS	3149	J000123908	Feb 2012	3 years
	Horn Antenna	EMCO	3115	35114	Mar 2012	3 Years
	LISN	FCC	50-25-2-08	08014	Jul 2012	2 Year
Ancillary equipment						
	Multimeter	Klein Tools	MM200	001	Apr 2011	3 Years
	Humidity Temperature Logger	Dickson	TM320	03280063	Apr 2013	1 Year
	Digital Barometer	VWR	35519-055	91119547	Nov 2011	3 Years
	DC Power Supply	HP	E3610A	KR83023316	N/A	N/A
	DC Power Supply	Protek	3003B	H012771	N/A	N/A
	Communication Antenna	IBP5-900/1940	Kathrein	N/A	N/A	N/A

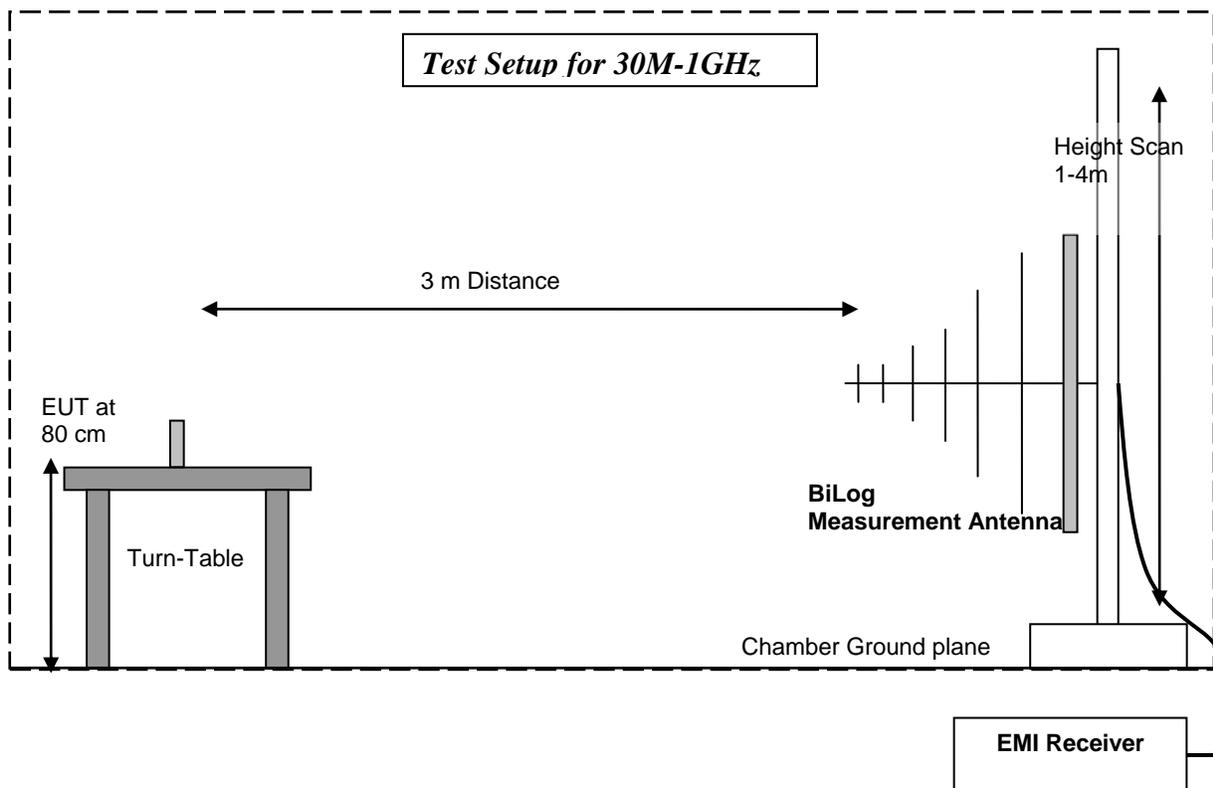
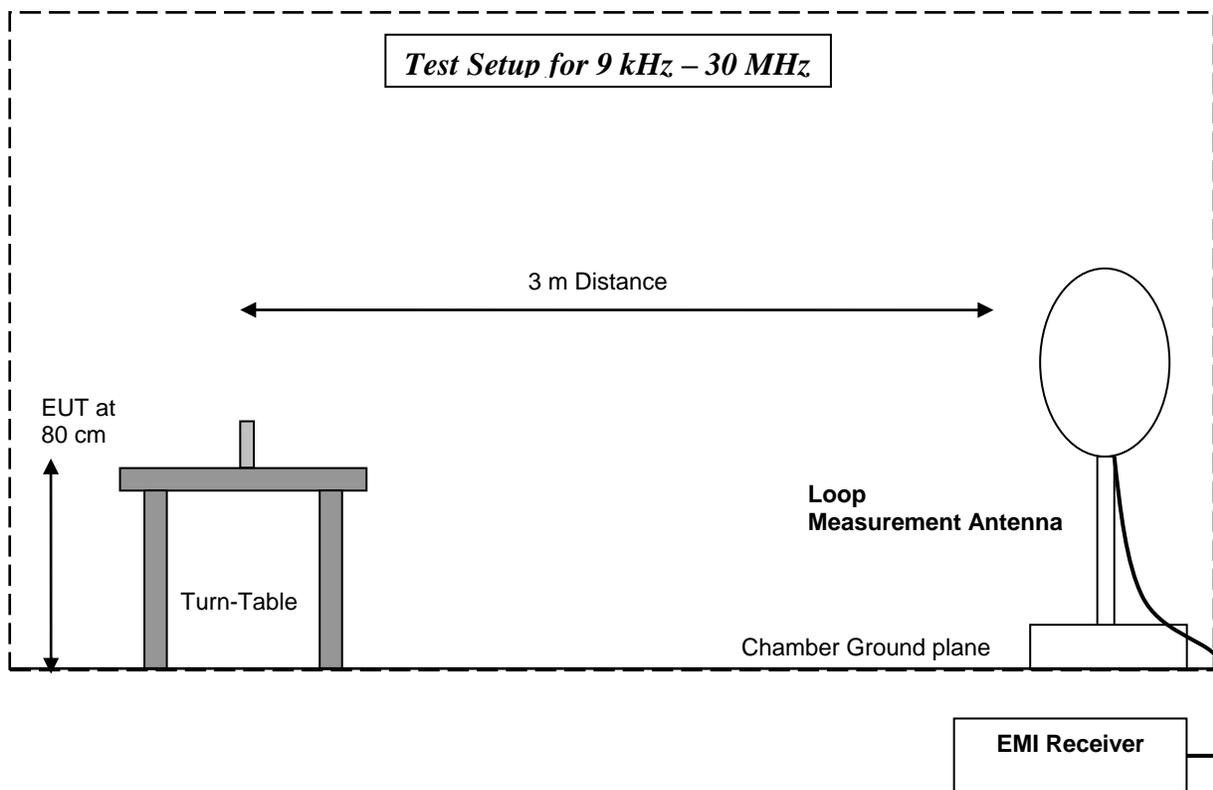
Calibration details valid at the time of testing.

Equipment used meets the measurement uncertainty requirements as required per applicable standards for 95% confidence levels.

Calibration due dates, unless defined specifically, falls on the last day of the month.

Items indicated "N/A" for cal status either do not specifically require calibration or is internally characterized before use.

8 Test Setup Diagrams



9 Setup Pictures

See

TestSetupPhotos_FCC_Part15.doc

10 Revision History

Date	Report Name	Changes to report	Report prepared by
2014-01-13	EMC_CETEC_063_13001_NFC	First Version	Franz Engert