**CETECOM™****CETECOM ICT Services**  
consulting - testing - certification >>>**TEST REPORT**

Test report no.: 1-8930/14-01-04-A

Deutsche  
Akkreditierungsstelle  
D-PL-12076-01-00**Testing laboratory****CETECOM ICT Services GmbH**

Untertuerkheimer Strasse 6 – 10

66117 Saarbruecken / Germany

Phone: + 49 681 5 98 - 0

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Internet: <http://www.cetecom.com>e-mail: [ict@cetecom.com](mailto:ict@cetecom.com)**Accredited Testing Laboratory:**

The testing laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025 (2005) by the Deutsche Akkreditierungsstelle GmbH (DAkkS)

The accreditation is valid for the scope of testing procedures as stated in the accreditation certificate with the registration number: D-PL-12076-01-00

**Applicant****Bernafon AG**

Morgenstraße 131

3018 Bern / SWITZERLAND

Phone: +41 31 9 98 15 15

Fax: -/-

Contact: Stefan Beelte

e-mail: -/-

Phone: +41 3 19 98 15 18

**Manufacturer****Bernafon AG**

Morgenstraße 131

3018 Bern / SWITZERLAND

**Test standard/s**

47 CFR Part 15	Title 47 of the Code of Federal Regulations; Chapter I; Part 15 - Radio frequency devices
RSS - 210 Issue 8	Spectrum Management and Telecommunications Radio Standards Specification - Licence-exempt Radio Apparatus (All Frequency Bands): Category I Equipment
RSS - Gen Issue 4	Spectrum Management and Telecommunications Radio Standards Specifications - General Requirements and Information for the Certification of Radio Apparatus Spectrum Management and Telecommunications Radio Standards Specifications - General Requirements and Information for the Certification of Radio Apparatus

For further applied test standards please refer to section 3 of this test report.

**Test Item**

<b>Kind of test item:</b>	<b>Hearing Instrument</b>
<b>Model name:</b>	<b>Fusion 2 SP (FU2SP)</b>
<b>FCC ID:</b>	<b>U6XFU2SP</b>
<b>IC:</b>	<b>7031A-FU2SP</b>
Frequency:	3.84 MHz
Technology tested:	Magnetic coupling
Antenna:	Integrated coil antenna
Power supply:	1.4V DC by zinc-air battery
Temperature range:	0°C to +40°C

This test report is electronically signed and valid without handwriting signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

**Test report authorised:**

p.o.

Marco Bertolino  
Radio Communications & EMC**Test performed:**Tobias Wittenmeier  
Radio Communications & EMC

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## 2 General information

### 2.1 Notes and disclaimer

The test results of this test report relate exclusively to the test item specified in this test report. CETECOM ICT Services GmbH 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.

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In no case this test report can be considered as a Letter of Approval.

This test report is electronically signed and valid without handwritten signature. For verification of the electronic signatures, the public keys can be requested at the testing laboratory.

**This test report replaces the test report with the number 1-8930/14-01-04 and dated 2015-02-18**

### 2.2 Application details

Date of receipt of order:	2014-12-15
Date of receipt of test item:	2015-01-26
Start of test:	2015-01-26
End of test:	2015-01-28
Person(s) present during the test:	-/-

## 3 Test standard/s

Test standard	Date	Test standard description
47 CFR Part 15	-/-	Title 47 of the Code of Federal Regulations; Chapter I; Part 15 - Radio frequency devices
RSS - 210 Issue 8	01.12.2010	Spectrum Management and Telecommunications Radio Standards Specification - Licence-exempt Radio Apparatus (All Frequency Bands): Category I Equipment
RSS - Gen Issue 4	01.11.2014	Spectrum Management and Telecommunications Radio Standards Specifications - General Requirements and Information for the Certification of Radio Apparatus

#### 4 Test environment

Temperature:	$T_{nom}$	+22 °C during room temperature tests
	$T_{max}$	+40 °C during high temperature tests
	$T_{min}$	0 °C during low temperature tests
Relative humidity content:		55 %
Barometric pressure:		not relevant for this kind of testing
Power supply:	$V_{nom}$	1.4 V DC by zinc-air battery
	$V_{max}$	1.4 V
	$V_{min}$	1.26 V

#### 5 Test item

Kind of test item:	Hearing Instrument
Type identification :	Fusion 2 SP (FU2SP)
S/N serial number :	Rad.TX: EUT No. 1: 27834940 EUT No. 2: 27834957 EUT No. 3: 27835367 Rad. RX: EUT No. 4: 27835383
HW hardware status :	No information available
SW software status :	No information available
Frequency band [MHz] :	3.84 MHz
Type of radio transmission : Use of frequency spectrum :	single carrier
Type of modulation :	ASK
Number of channels :	1
Antenna :	Integrated coil antenna
Power supply :	1.4 V DC by zinc-air battery
Temperature range :	0°C to +40 °C

#### 5.1 Additional information

The content of the following annexes is defined in the QA. It may be that not all of the listed annexes are necessary for this report, thus some values in between may be missing.

Test setup- and EUT-photos are included in test report: 1-8930\_14-01-01\_AnnexA  
1-8930\_14-01-01\_AnnexB  
1-8930\_14-01-01\_AnnexD

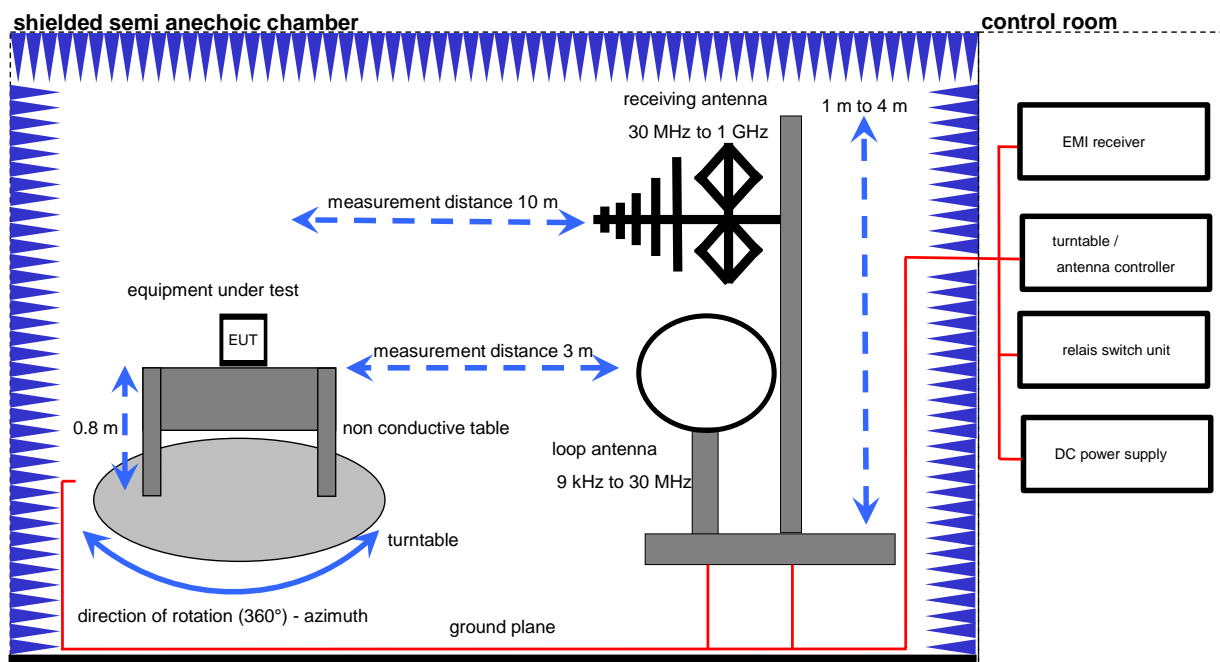
#### 6 Test laboratories sub-contracted

None

## 7 Description of the test setup

### 7.1 Radiated measurements

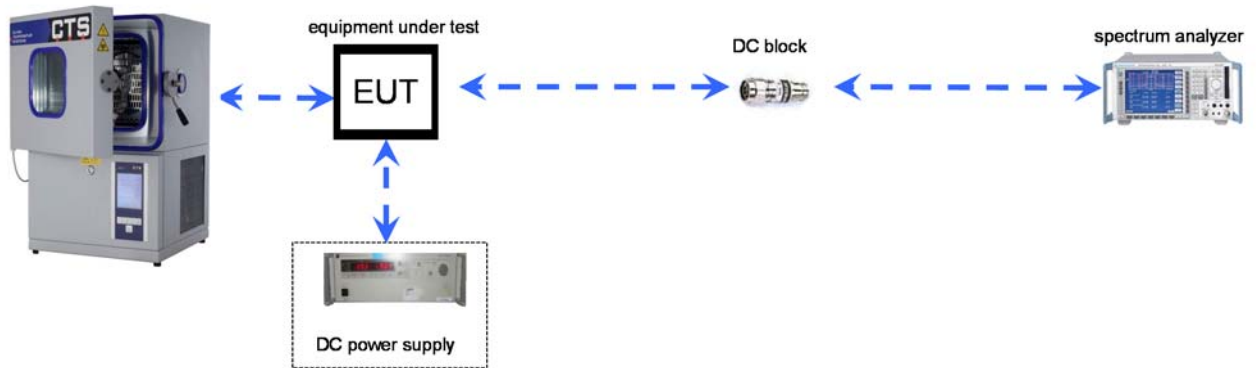
The radiated measurements are performed in vertical and horizontal plane in the frequency range from 9 kHz to 1 GHz in semi-anechoic chambers. The EUT is positioned on a non-conductive support with a height of 0.80 m above a conductive ground plane that covers the whole chamber. The receiving antennas are confirmed with specifications ANSI C63. These antennas can be moved over the height range between 1.0 m and 4.0 m in order to search for maximum field strength emitted from EUT. The measurement distances between EUT and receiving antennas are indicated in the test setups for the various frequency ranges. For each measurement, the EUT is rotated in all three axes until the maximum field strength is received. The wanted and unwanted emissions are received by spectrum analysers where the detector modes and resolution bandwidths over various frequency ranges are set according to requirement ANSI C63.



#### Equipment table:

Equipment	Type	Manufacturer	Serial No.	INV. No Cetecom
Software	EMC32 V.   9.12.05	R&S	-/-	-/-
Switch-Unit	3488A	HP Meßtechnik	2719A14505	30000368
EMI Test Receiver	ESCI 3	R&S	100083	300003312
Amplifier	JS42-00502650-28-5A	MITEQ	1084532	300003379
Antenna Tower	Model 2175	ETS-LINDGREN	64762	300003745
Positioning Controller	Model 2090	ETS-LINDGREN	64672	300003746
Turntable Interface-Box	Model 105637	ETS-LINDGREN	44583	300003747
TRILOG Broadband Test-Antenna 30 MHz - 3 GHz	VULB9163	Schwarzbeck	295	300003787
Loop Antenna 9 KHz - 30 MHz	HFH2-Z2	R&S	872096/61	300001824

## 7.2 Conducted measurements



### Equipment table:

Equipment	Type	Manufacturer	Serial No.	INV. No Cetecom
DC Power Supply 0 – 32V	1108-32	Heiden	001802	300001383
Temperature Test Chamber	T-40/50	CTS GmbH	064023	300003540
Spectrum Analyzer 20 Hz - 50 GHz	FSU50	R&S	200012	300003443

## 8 Summary of measurement results



No deviations from the technical specifications were ascertained



There were deviations from the technical specifications ascertained

TC Identifier	Description	Verdict	Date	Remark
RF-Testing	CFR Part 15 RSS 210, Issue 8	Passed	2015-03-11	-/-

Test Specification Clause	Test Case	Temperature Conditions	Power Source Voltages	Pass	Fail	NA	NP	Remark
§ 15.35 (c) / RSS-GEN Issue 3 Section 4.5	Timing of the transmitter (Duty cycle correction factor)	Nominal	Nominal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	complies
§ 15.223 / RSS-210 Issue 8	Bandwidth of the modulated carrier	Nominal	Nominal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	complies
§ 15.223 / RSS-210 Issue 8	Fieldstrength of fundamental	Nominal	Nominal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	complies
§ 15.209 (a) / RSS-210 Issue 8	Fieldstrength of harmonics and spurious	Nominal	Nominal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	complies
§ 15.109 / RSS-210 Issue 8	Receiver spurious emissions	Nominal	Nominal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	complies
§ 15.107 / § 15.207	Conducted limits	Nominal	Nominal	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-/-

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

## 9 Additional comments

Reference documents: None

Special test descriptions: Special test descriptions: We perform the radiated pre-scans in different spherical positions and consolidate the results in one result plot. The test procedure includes scans in the theta axes every 120° and in phi axes @ 0° and 90° for both polarizations vertical & horizontal or magnetic emissions.

Configuration descriptions: None



**10 Measurement results****10.1 Timing of the transmitter****Measurement:**

Measurement parameter	
Detector:	-/-
Sweep time:	-/-
Resolution bandwidth:	-/-
Video bandwidth:	-/-
Span:	-/-
Trace-Mode:	-/-

**Limits:**

FCC	IC
CFR Part SUBCLAUSE § 15.35 (c)	RSS-GEN Issue 3
Timing of the transmitter	
<p>(c) Unless otherwise specified, e.g. Section 15.255(b), when the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value. The exact method of calculating the average field strength shall be submitted with any application for certification or shall be retained in the measurement data file for equipment subject to notification or verification.</p>	

**Duty cycle of the sample with test mode: 20 %**

**In normal use the duty cycle is approximately 2.5 % (declared by the manufacturer).**

**Result: Passed**

**10.2 Bandwidth of the modulated carrier****Limits:**

FCC	IC
CFR Part SUBCLAUSE § 15.223	RSS-210 Issue 8
Bandwidth of the modulated carrier	

Measured with the integrated OBW-function of the spectrum analyser Rohde & Schwarz FSP (measurement criteria is the integrated power in %)

**Result:**

EUT No 1 27834940

	Occupied Bandwidth (kHz)
6 dB (75%)	108.0
20 dB (99%)	370.8

EUT No 2 27834957

	Occupied Bandwidth (kHz)
6 dB (75%)	104.4
20 dB (99%)	366.0

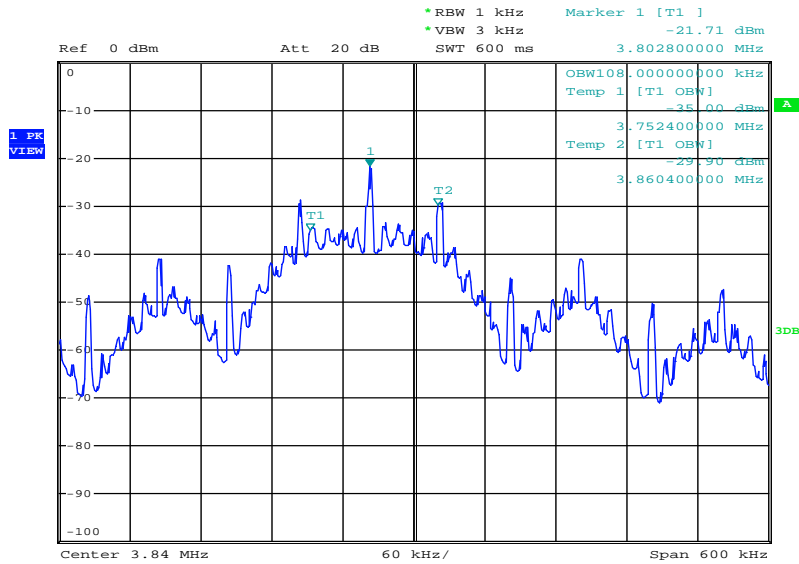
EUT No 3 27835367

	Occupied Bandwidth (kHz)
6 dB (75%)	106.8
20 dB (99%)	374.4

Plots of the measurement

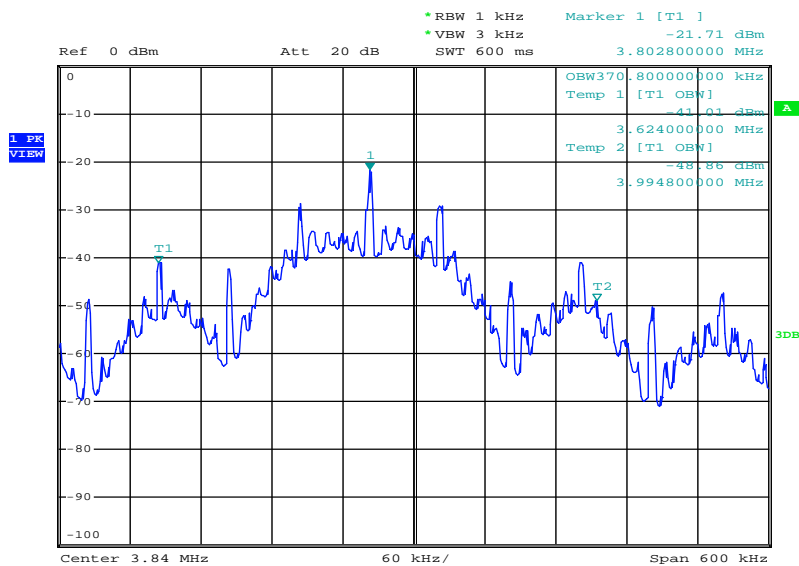
EUT No 1 27834940

Plot 1: 6 dB (75%) – bandwidth



Date: 28.JAN.2015 11:10:18

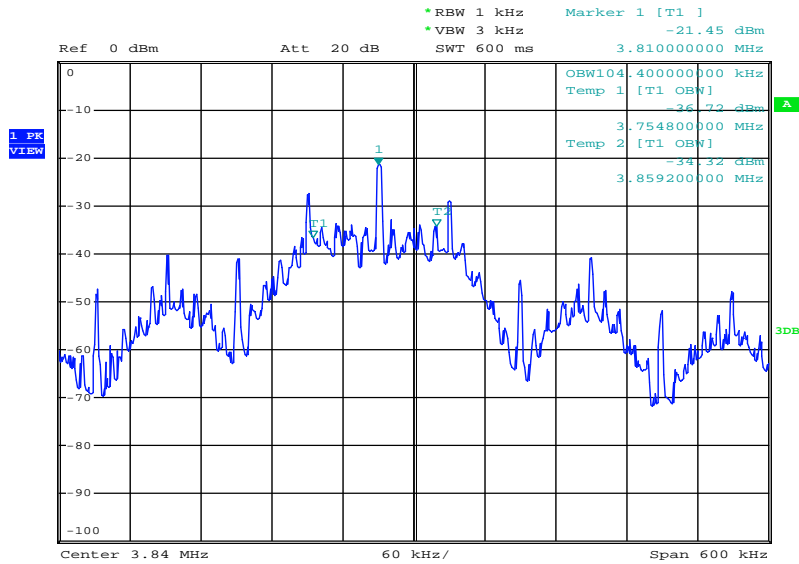
Plot 2: 20dB (99%) - bandwidth



Date: 28.JAN.2015 11:10:04

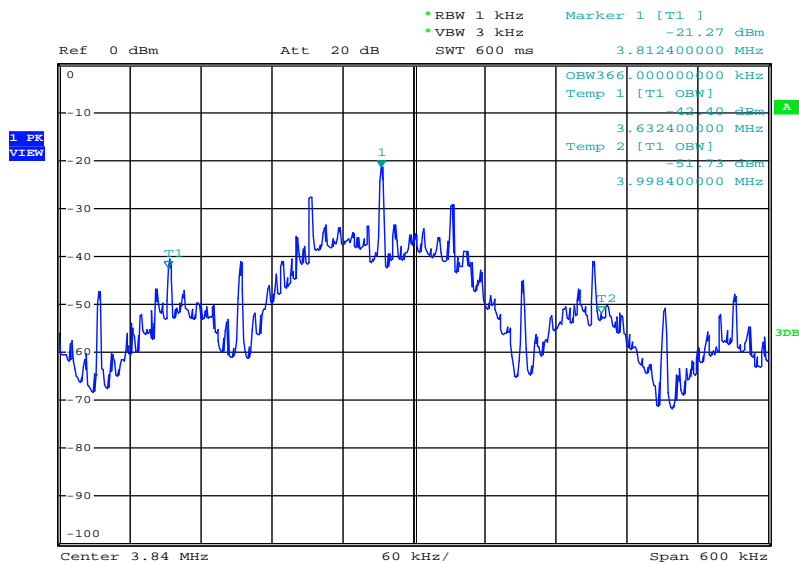
EUT No 2 27834957

Plot 1: 6dB (75%) – bandwidth



Date: 28.JAN.2015 11:15:16

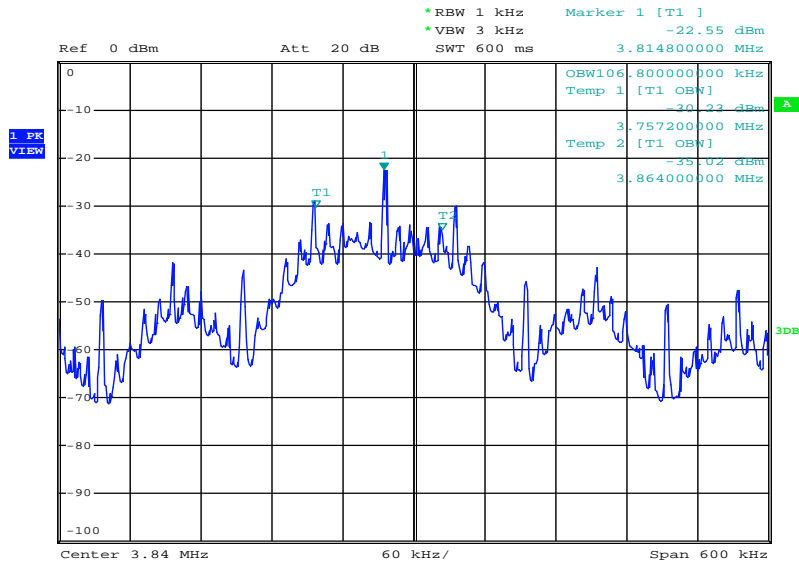
Plot 2: 20dB (99%) - bandwidth



Date: 28.JAN.2015 11:14:46

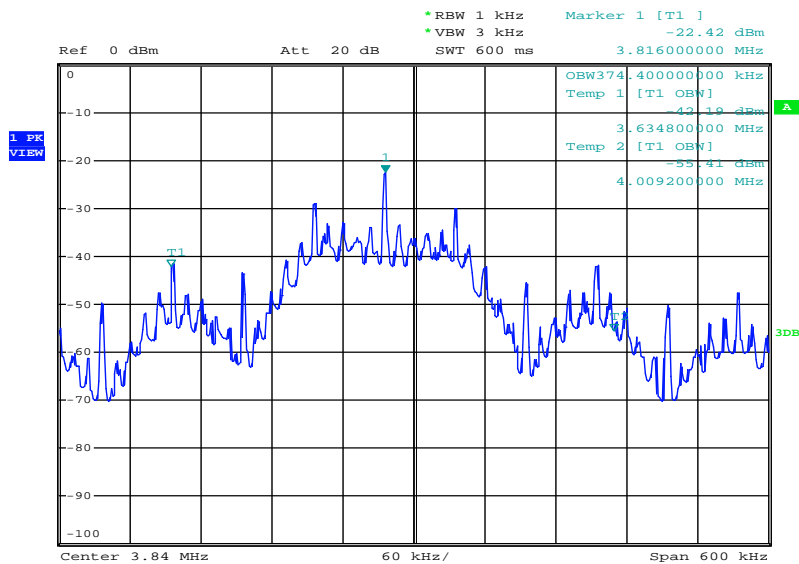
EUT No 3 27835367

Plot 1: 6dB (75%) – bandwidth



Date: 28.JAN.2015 11:12:07

Plot 2: 20dB (99%) - bandwidth



Date: 28.JAN.2015 11:13:05

### 10.3 Field strength of the fundamental

#### Measurement:

Measurement parameter	
Detector:	Quasi Peak (CISPR)
Resolution bandwidth:	10kHz
Trace-Mode:	Max Hold

#### Limits:

FCC		IC
CFR Part SUBCLAUSE § 15.223		RSS-210 Issue 8
Fundamental Frequency (MHz)	Field strength of Fundamental ( $\mu\text{V/m}$ )	Measurement distance (m)
1.705 – 10.0	[15] or [6dB-BW(kHz) / F(MHz)] Whichever is higher	30

#### Recalculation:

According to ANSI C63.10		
Frequency	Formula	Correction value
3.84 MHz	$FS_{\text{limit}} = FS_{\text{max}} - 40 \log\left(\frac{d_{\text{nearfield}}}{d_{\text{measure}}}\right) - 20 \log\left(\frac{d_{\text{limit}}}{d_{\text{nearfield}}}\right)$	-51.43

#### Result:

TEST CONDITIONS		MAXIMUM POWER (dB $\mu\text{V/m}$ )	
Frequency		3.84 MHz	3.84 MHz
EUT 1: 27834940		at 1 m distance measured	at 30 m distance recalculated
$T_{\text{nom}}$	$V_{\text{nom}}$	53.5	2.07
EUT 2: 27834957		at 1 m distance measured	at 30 m distance
$T_{\text{nom}}$	$V_{\text{nom}}$	54.0	2.57
EUT 3: 27835367		at 1 m distance measured	at 30 m distance
$T_{\text{nom}}$	$V_{\text{nom}}$	56.0	4.57
Measurement uncertainty		±3dB	

**Result: Passed**

**10.4 Field strength of the harmonics and spurious**

**Measurement:**

Measurement parameter	
Detector:	Average / Quasi Peak
Sweep time:	Auto
Resolution bandwidth:	3 kHz - 120 kHz
Video bandwidth:	Comparable to RBW
Trace-Mode:	Max hold

**Limits:**

FCC		IC	
SUBCLAUSE § 15.209 (a)		RSS-210 Issue 8	
Field strength of the harmonics and spurious.			
Frequency (MHz)	Field strength (µV/m)	Measurement distance (m)	
0.009 – 0.490	2400/F(kHz)	300	
0.490 – 1.705	24000/F(kHz)	30	
1.705 – 30	30 (29.5 dBµV/m)	30	
30 – 88	100 (40 dBµV/m)	3	
88 – 216	150 (43.5 dBµV/m)	3	
216 – 960	200 (46 dBµV/m)	3	

**Result:**

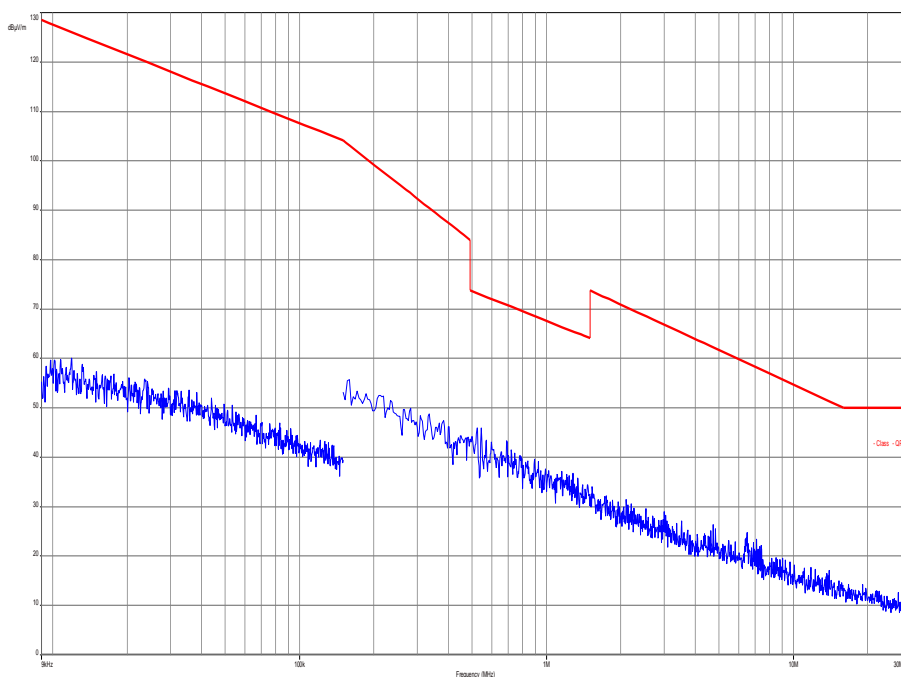
EMISSION LIMITATIONS				
f [MHz]	Detector	Limit max. allowed [dBµV/m]	Amplitude of emission [dBµV/m]	Results
No emissions detected. All detected emissions are below the limit!				

**Result: Passed**

**Plots of the measurements**

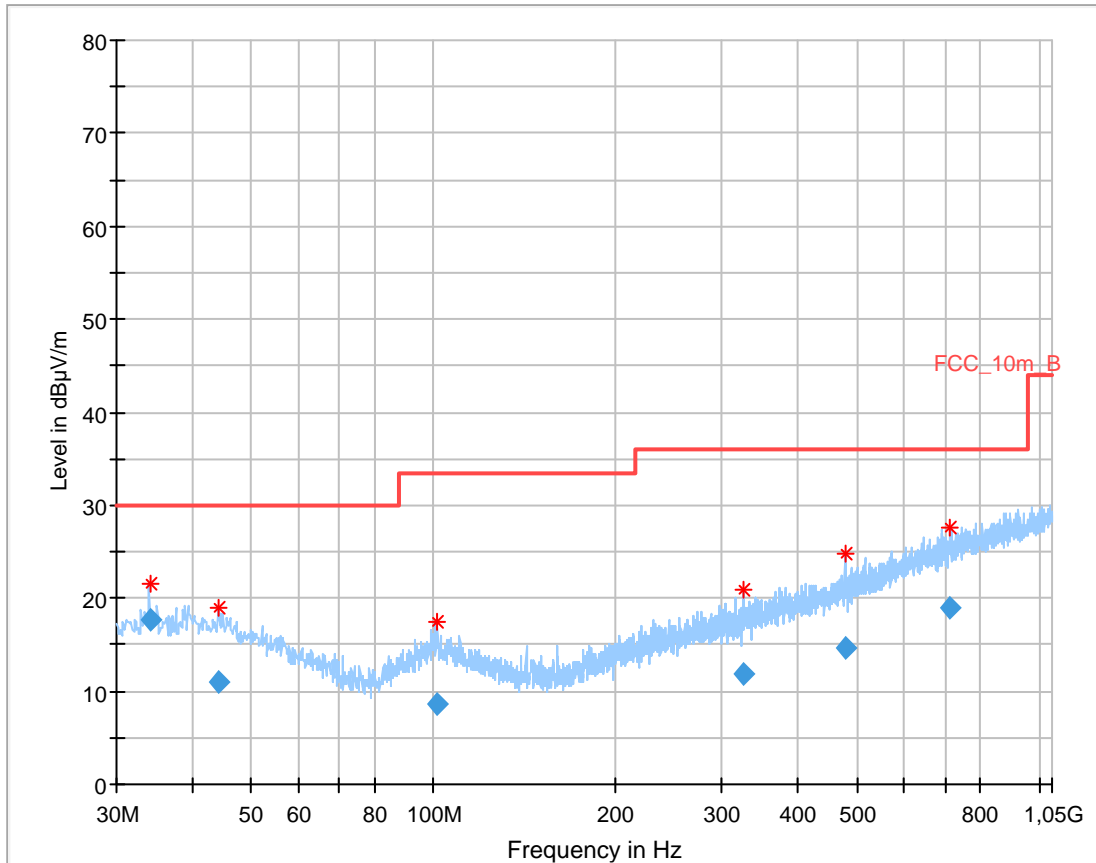
EUT 1: 27834940

Plot 1: 9 kHz – 30 MHz, magnetic emissions, loop antenna





Plot 2: 30 MHz – 1000 MHz, vertical & horizontal polarization

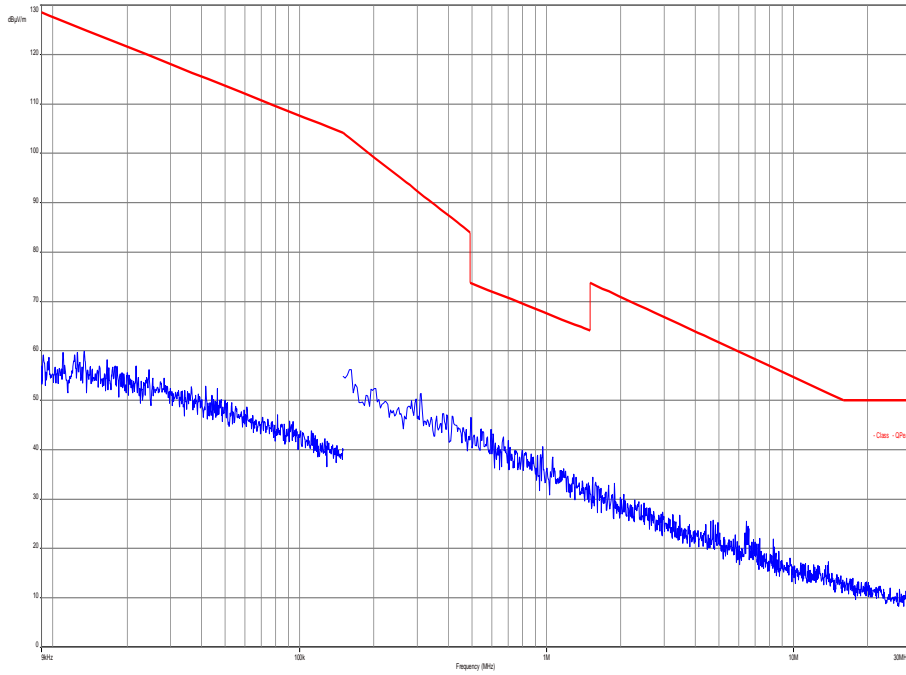


**Final Result**

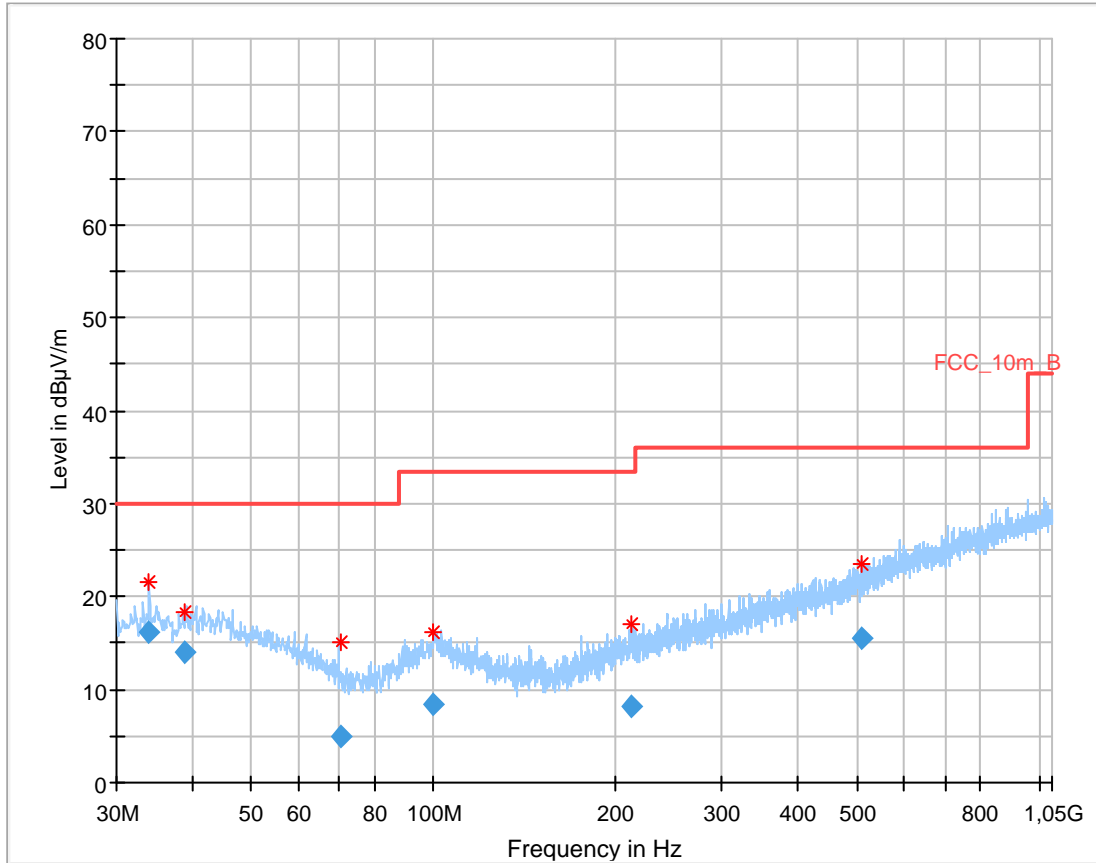
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
34.023000	17.70	30.00	12.30	1000.0	120.000	101.0	V	-25	13.7
44.148600	11.00	30.00	19.00	1000.0	120.000	101.0	V	65	13.9
101.459250	8.61	33.50	24.89	1000.0	120.000	170.0	V	-6	12.0
325.348350	11.79	36.00	24.21	1000.0	120.000	170.0	V	-25	15.3
477.536100	14.62	36.00	21.38	1000.0	120.000	101.0	H	174	18.2
714.327000	19.06	36.00	16.94	1000.0	120.000	170.0	H	155	21.9

EUT 2: 27834957

Plot 1: 9 kHz – 30 MHz, magnetic emissions, loop antenna



Plot 2: 30 MHz – 1000 MHz, vertical & horizontal polarization

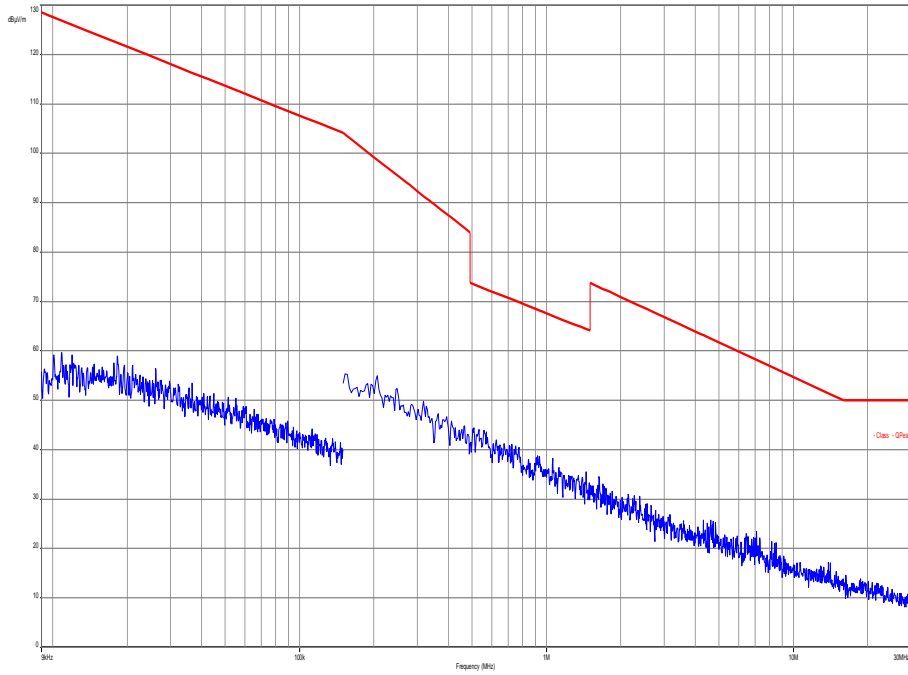


**Final Result**

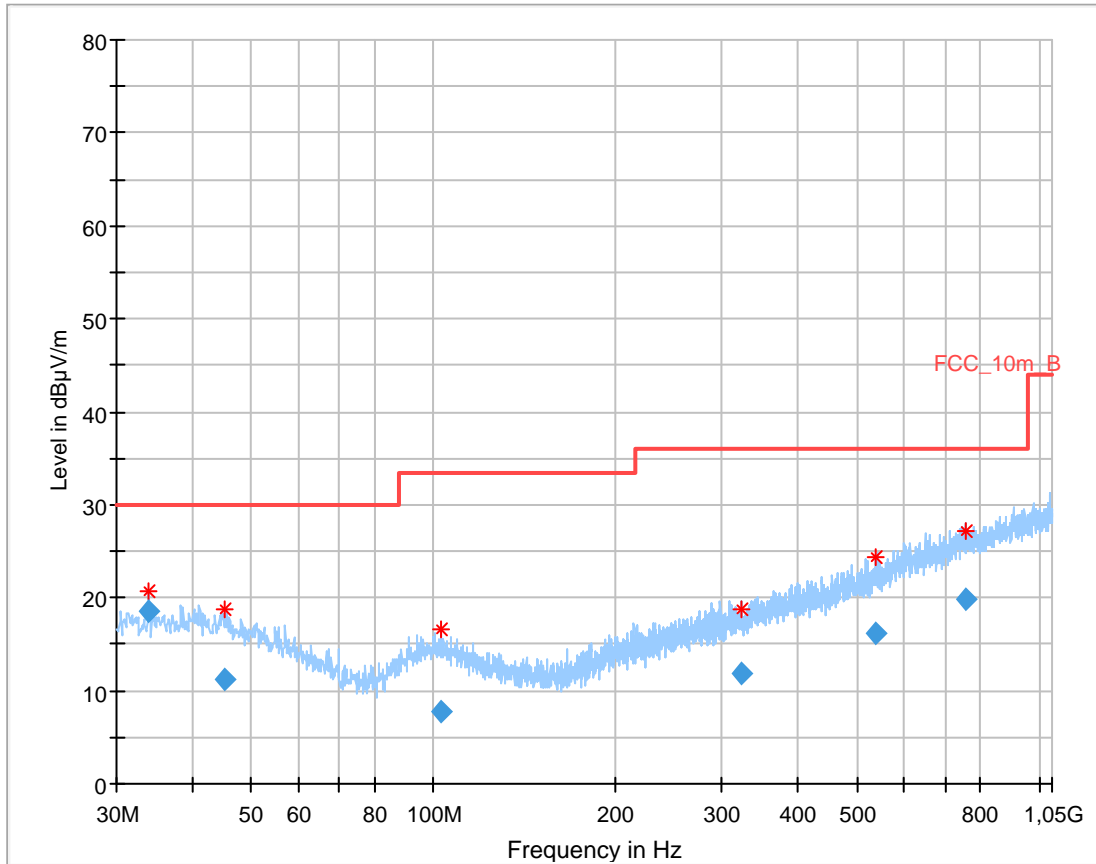
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
33.950700	16.10	30.00	13.90	1000.0	120.000	98.0	V	173	13.7
38.719650	13.97	30.00	16.03	1000.0	120.000	170.0	V	83	14.0
70.299450	5.02	30.00	24.98	1000.0	120.000	170.0	V	173	8.4
100.020750	8.40	33.50	25.10	1000.0	120.000	170.0	V	263	12.2
212.758950	8.11	33.50	25.39	1000.0	120.000	170.0	V	245	12.2
508.315950	15.45	36.00	20.55	1000.0	120.000	170.0	V	25	18.8

EUT 3: 27835367

Plot 1: 9 kHz – 30 MHz, magnetic emissions, loop antenna



Plot 2: 30 MHz – 1000 MHz, vertical & horizontal polarization



**Final Result**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
33.988200	18.57	30.00	11.43	1000.0	120.000	98.0	V	205	13.7
45.094650	11.11	30.00	18.89	1000.0	120.000	101.0	V	263	13.8
103.289100	7.77	33.50	25.73	1000.0	120.000	101.0	V	107	11.8
322.007700	11.80	36.00	24.20	1000.0	120.000	101.0	H	17	15.2
536.447400	16.13	36.00	19.87	1000.0	120.000	170.0	V	205	19.1
759.567300	19.88	36.00	16.12	1000.0	120.000	170.0	H	205	22.7

### 10.5 Receiver spurious emissions

**Measurement:**

Measurement parameter	
Detector:	Average / Quasi Peak
Sweep time:	Auto
Resolution bandwidth:	3 kHz - 120 kHz
Video bandwidth:	Comparable to RBW
Trace-Mode:	Max hold

**Limits:**

FCC		IC	
SUBCLAUSE § 15.109		RSS-210 Issue 8	
Field strength of the harmonics and spurious.			
Frequency (MHz)	Field strength (µV/m)	Measurement distance (m)	
0.009 – 0.490	2400/F(kHz)	300	
0.490 – 1.705	24000/F(kHz)	30	
1.705 – 30	30 (29.5 dBµV/m)	30	
30 – 88	100 (40 dBµV/m)	3	
88 – 216	150 (43.5 dBµV/m)	3	
216 – 960	200 (46 dBµV/m)	3	

**Result:**

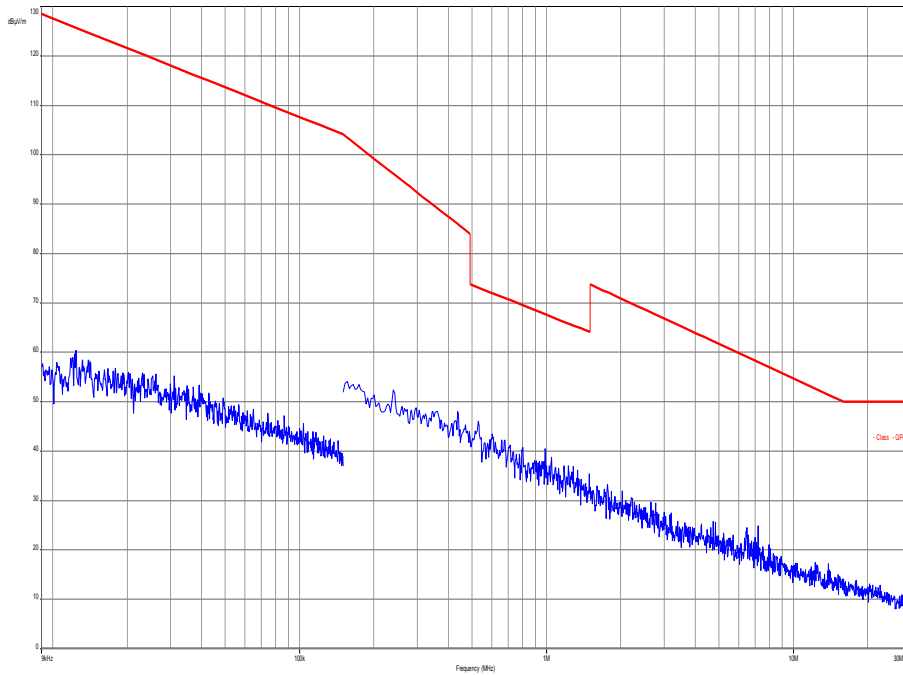
EMISSION LIMITATIONS				
f [MHz]	Detector	Limit max. allowed [dBµV/m]	Amplitude of emission [dBµV/m]	Results
No emissions detected. All detected emissions are below the limit!				

**Result:** Passed

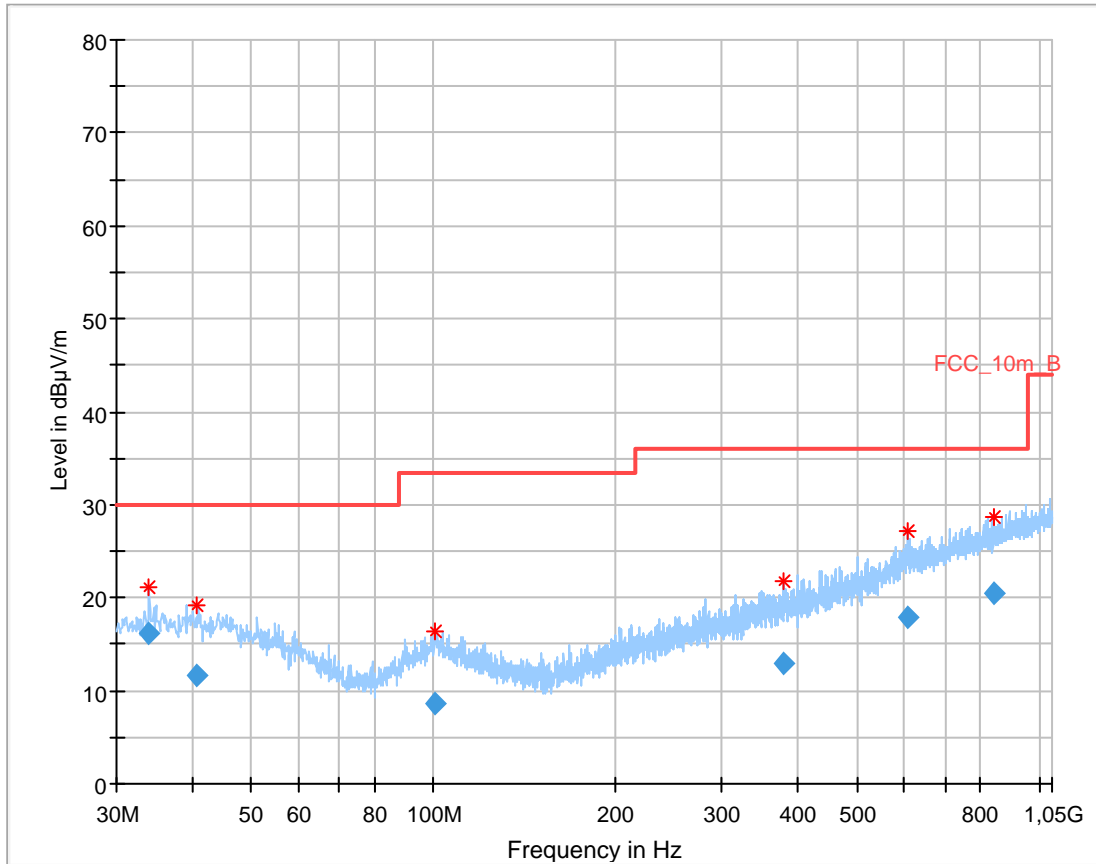
**Plots:**

EUT No. 4: 27835383

Plot 1: 9 kHz – 30 MHz, magnetic emissions, loop antenna



Plot 2: 30 MHz – 1000 MHz, vertical & horizontal polarization



**Final Result**

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
33.967950	16.22	30.00	13.78	1000.0	120.000	170.0	V	65	13.7
40.701150	11.64	30.00	18.36	1000.0	120.000	101.0	V	-6	14.0
100.941300	8.59	33.50	24.91	1000.0	120.000	170.0	H	245	12.1
377.754000	12.95	36.00	23.05	1000.0	120.000	170.0	H	287	16.5
607.465800	17.92	36.00	18.08	1000.0	120.000	170.0	V	-8	20.8
842.582850	20.53	36.00	15.47	1000.0	120.000	170.0	H	115	23.3



## 10.6 Conducted limits

**Not applicable!**

**The EUT is battery powered only!**

**No possibility to connect to the mains power supply!**

## 11 Test equipment and ancillaries used for tests

Typically, the calibrations of the test apparatus are commissioned to and performed by an accredited calibration laboratory. The calibration intervals are determined in accordance with the DIN EN ISO/IEC 17025. In addition to the external calibrations, the laboratory executes comparison measurements with other calibrated test systems or effective verifications. Weekly chamber inspections and range calibrations are performed. Where possible, rf-generating and signalling equipment as well as measuring receivers and analyzers are connected to an external high-precision 10 MHz reference (GPS-based or rubidium frequency standard).

In order to simplify the identification of the equipment used at some special tests, some items of test equipment and ancillaries can be provided with an identifier or number in the equipment list below (Lab/Item).

No.	Lab / Item	Equipment	Type	Manufact.	Serial No.	INV. No Cetecom	Kind of Calibration	Last Calibration	Next Calibration
1	n. a.	Anechoic chamber	FAC 3/5m	MWB / TDK	87400/02	300000996	ev		
2	n. a.	Switch / Control Unit	3488A	HP Meßtechnik	*	300000199	ne		
3	90	Active Loop Antenna 10 kHz to 30 MHz	6502	Kontron Psychotech	8905-2342	300000256	k	13.06.2013	13.06.2015
4	90	Amplifier	js42-00502650-28-5a	Parzich GMBH	928979	300003143	ne		
5	90	MXE EMI Receiver 20 Hz bis 26,5 GHz	N9038A	Agilent Technologies	MY51210197	300004405	k	13.03.2014	13.03.2015
6	90	4U RF Switch Platform	L4491A	Agilent Technologies	MY50000037	300004509	ne		
7	n. a.	Spectrum-Analyzer	FSU26	R&S	200809	300003874	k	22.01.2014	22.01.2015

### **Agenda:** Kind of Calibration

k	calibration / calibrated	EK	limited calibration
ne	not required (k, ev, izw, zw not required)	zw	cyclical maintenance (external cyclical maintenance)
ev	periodic self verification	izw	internal cyclical maintenance
Ve	long-term stability recognized	g	blocked for accredited testing
vlk!	Attention: extended calibration interval		
NK!	Attention: not calibrated	*)	next calibration ordered / currently in progress

## 12 Observations

No observations except those reported with the single test cases have been made.

**Annex A Document history**

Version	Applied changes	Date of release
	Initial release	2015-02-18
-A	EUT photo removed	2015-03-11

**Annex B Further information****Glossary**

AVG	-	Average
DUT	-	Device under test
EMC	-	Electromagnetic Compatibility
EN	-	European Standard
EUT	-	Equipment under test
ETSI	-	European Telecommunications Standard Institute
FCC	-	Federal Communication Commission
FCC ID	-	Company Identifier at FCC
HW	-	Hardware
IC	-	Industry Canada
Inv. No.	-	Inventory number
N/A	-	Not applicable
PP	-	Positive peak
QP	-	Quasi peak
S/N	-	Serial number
SW	-	Software

**Annex C Accreditation Certificate**

Front side of certificate

Back side of certificate



Deutsche Akkreditierungsstelle GmbH

Bellehene gemäß § 8 Absatz 1 AkkStelleG i.V.m. § 1 Absatz 1 AkkStelleGBV  
 Unterzeichnerin der Multilateralen Abkommen  
 von EA, ILAC und IAF zur gegenseitigen Anerkennung

**Akkreditierung**

Die Deutsche Akkreditierungsstelle GmbH bestätigt hiermit, dass das Prüflaboratorium

**CETECOM ICT Services GmbH**  
 Untertürkheimer Straße 6-10, 66117 Saarbrücken

die Kompetenz nach DIN EN ISO/IEC 17025:2005 besitzt, Prüfungen in folgenden Bereichen durchzuführen:

- Drahtgebundene Kommunikation einschließlich xDSL
- VoIP und DECT
- Akustik
- Funk einschließlich WLAN
- Short Range Devices (SRD)
- RFID
- WiFiMax und Richtfunk
- Mobilfunk (GSM / GPRS, Over the Air (OTA) Performance)
- Elektromagnetische Verträglichkeit (EMV) einschließlich Automotive
- Produktsicherheit
- SAR und Hearing Aid Compatibility (HAC)
- Umweltsimulation
- Smart Card, Terminals
- Bluetooth
- Wi-Fi Services

Die Akkreditierungsurkunde gilt nur in Verbindung mit dem Bescheid vom 07.03.2014 mit der Akkreditierungsnummer D-PL-12076-01 und ist gültig bis 17.01.2018. Sie besteht aus diesem Deckblatt, der Rückseite des Deckblatts und der folgenden Anlage mit insgesamt 77 Seiten.

Registrierungsnummer der Urkunde: D-PL-12076-01-00

Frankfurt am Main, 07.03.2014  
 Deutsche Akkreditierungsstelle

In Auftrag gegeben von: Alexander Richter  
 Akkreditierungsstelle

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Die auszugsweise Veröffentlichung der Akkreditierungsurkunde bedarf der vorherigen schriftlichen Zustimmung der Deutsche Akkreditierungsstelle GmbH (DAkkS). Ausgenommen davon ist die separate Weiterverbreitung des Deckblattes durch die umseitig genannte Kurvenmittelsbewertungsstelle in unveränderter Form.

Es darf nicht der Anschein erweckt werden, dass sich die Akkreditierung auch auf Bereiche erstreckt, die über den durch die DAkkS bestätigten Akkreditierungsbereich hinausgehen.

Die Akkreditierung erfolgte gemäß des Gesetzes über die Akkreditierungsstelle (AkkStelleG) vom 31. Juli 2009 (BGBl. I S. 2625) sowie der Verordnung (EG) Nr. 765/2008 des Europäischen Parlaments und des Rates vom 9. Juli 2008 über die Vorschriften für die Akkreditierung und Marktüberwachung im Zusammenhang mit der Vermarktung von Produkten (Abt. L 238 vom 9. Juli 2008, S. 30). Die DAkkS ist Unterzeichnerin der Multilateralen Abkommen zur gegenseitigen Anerkennung der Europäischen Organisation für Akkreditation (EA), des Internationalen Akkreditationsforum (IAF) und der International Laboratory Accreditation Cooperation (ILAC). Die Unterzeichner dieser Abkommen erkennen ihre Akkreditierungen gegenseitig an.

Der aktuelle Stand der Mitgliedschaft kann folgenden Webseiten entnommen werden:  
 EA: [www.european-accreditation.org](http://www.european-accreditation.org)  
 IAF: [www.iaf.or.jp](http://www.iaf.or.jp)  
 ILAC: [www.ilac.org](http://www.ilac.org)

**Note:**

The current certificate including annex is published on our website (see link below) or may be received from CETECOM ICT Services on request.

<http://www.cetecom.com/eu/de/cetecom-group/europa/deutschland-saarbruecken/akkreditierungen.html>