Accredited testing-laboratory

DAR registration number: DAT-P-176/94-D1

Federal Motor Transport Authority (KBA)
DAR registration number: KBA-P 00070-97

Recognized by the Federal Communications Commission
Anechoic chamber registration no.: 90462 (FCC)
Anechoic chamber registration no.: 3462C-1 (IC)
Certification ID: DE 0001
Accreditation ID: DE 0002

Accredited Bluetooth® Test Facility (BQTF)

Test report no.	**:**	**1-1253-01-04/09_A**
Type identification	**:**	**VR5 N, VR7 N, VR9 N**
Applicant	**:**	**Bernafon AG**
FCC ID	**:**	**U6XFUBTE01**
IC Certification No	**:**	**7031A-FUBTE01**
Test standards	**:**	**FCC Part 15.209**
		FCC Part 15.223
		RSS-210 Issue 7

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1 General information

1.1 Notes

The test results of this test report relate exclusively to the test item specified in 3.1.1. The CETECOM ICT Services GmbH does not assume responsibility for any conclusions and generalisations 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 the CETECOM ICT Services GmbH.

Test laboratory manager:

2009-10-26	**Meheza K. Walla**	
Date	Name	Signature

Technical responsibility for area of testing:

2009-10-26	**Stefan Boes**	
Date	Name	Signature

1.2 Testing laboratory

CETECOM ICT Services GmbH

Untertürkheimer Straße 6 - 10
66117 Saarbrücken
Germany
Phone: + 49 681 5 98 - 0
Fax: + 49 681 5 98 - 9075
e-mail: info@ICT.cetecom.de
Internet: http://www.cetecom-ict.de

State of accreditation:	**The test laboratory (area of testing) is accredited according to DIN EN ISO/IEC 17025** **DAR registration number: DAT-P-176/94-D1**
Accredited by:	**Federal Motor Transport Authority (KBA)** **DAR registration number: KBA-P 00070-97**

Testing location, if different from CETECOM ICT Services GmbH:

Name :
Street :
Town :
Country :
Phone :
Fax :

1.3 Details of applicant

Name:	**Bernafon AG**
Street:	**Morgenstraße 131**
Town:	**3018 Bern**
Country:	**Schweiz**
Telephone:	**+41 31 998 1515**
Fax:	**+41 31 998 1590**
Contact:	**Christian Müller**
E-mail:	**cm@bernafon.ch**
Telephone:	**+41 31 998 1504**

1.4 Application details

Date of receipt of order:	**2009-09-03**
Date of receipt of test item:	**2009-09-21**
Date of start test:	**2009-09-21**
Date of end test	**2009-10-26**
Persons(s) who have been present during the test:	**-/-**

2 Technical tests

2.1 Details of manufacturer

Name:	**Bernafon AG**
Street:	**Morgenstraße 131**
Town:	**3018 Bern**
Country:	**Schweiz**

2.2 Test Item

IC Registration Number:		**7031A-FUBTE01**
Model Name:		**VR5 N, VR7 N, VR9 N**
Details of Manufacturer		
Company	:	**Bernafon AG**
Address	:	**Morgenstraße 131**
City	:	**3018 Bern**
Country	:	**Schweiz**
Details of EUT		
S/N serial number	:	**LAB 2A 065** **(Sample TX-Mode « Random Send », 50% DC)** **LAB 2A 038** **(Sample RX-Mode)**
HW hardware status	:	**Veras Micro BTE**
SW software status	:	**No information available!**
Tested to Radio Standards Specification (RSS) No.	:	**RSS-210 Issue 7**
Open Area Test Site Industry Canada Number	:	**IC 3462C-1**
Frequency Range (or fixed frequency)	:	**3.84 MHz**
Field Strength (at what distance)	:	**-14 dBµV/m @ 30m**
Occupied Bandwidth (99% BW)	:	**346 kHz**
Type of Modulation	:	**A1D**
Antenna information	:	**Integrated coil antenna**
Emission Designator	:	**346KA1D**
Transmitter Spurious (worst case)	:	**22.7 dBµV/m @ 10m**
Receiver Spurious (worst case)	:	**23 dBµV/m @ 10m**
IC no.	:	**7031A-FUBTE01**
FCC ID	:	**U6XFUBTE01**

ATTESTATION:

DECLARATION OF COMPLIANCE:

I attest that the testing was performed or supervised by me; that the test measurements were made in accordance with the above-mentioned departmental standard(s), and that the radio equipment identified in this application has been subject to all applicable test conditions specified in the departmental standards and all of the requirements of the standards have been met.

Laboratory Manager:

2009-10-26	Meheza K. Walla	M. Walla
Date	Name	Signature

2.3 RF Technical Brief Cover Sheet acc. To RSS-102

All Fields must be completed with the requested information or the following codes: N/A for Not Applicable, N/P for Not Performed or N/V for Not Available. Where applicable, check appropriate box.

1. COMPANY NUMBER:	**7031A**
2. MODEL NUMBER:	**VR5 N, VR7 N, VR9 N**
3. MANUFACTURER:	**Bernafon AG**
4. TYPE OF EVALUATION:	**N/A**

Declaration of RF Exposure Compliance

ATTESTATION:

I attest that the information provided in this test report is correct; that a Technical Brief was prepared and the information it contains is correct; that the device evaluation was performed or supervised by me; that applicable measurement methods and evaluation methodologies have been followed and that the device meets the SAR and/or RF exposure limits of RSS-102.

Name: Meheza K. Walla
Title: Engineer
Company: Cetecom ICT Services GmbH

2009-10-26	Meheza K. Walla	
Date	Name	Signature

2.4 Test Setup

Hardware	:	**Veras Micro BTE**
Software	:	**No information available!**

LAB 2A 065 (Sample TX-Mode « Random Send », 50% DC)
LAB 2A 038 (Sample RX-Mode)

2.5 Test Specifications

FCC:	CFR Part 15.209, CFR Part 15.223
IC:	RSS 210, Issue 7

3 Statement of Compliance

3.1 Summary of Measurement Results

☒ **No deviations from the technical specifications were ascertained**

☐ There were deviations from the technical specifications ascertained

3.2 CFR 47 Part 15 Radio frequency devices

Section in this Report	Test Name / Section FCC Part 15	Test Name / Section RSS 210 Issue 7	Applicable	Verdict
5.1.1	§ 15.35 (c) Timing of the transmitter (Duty cycle correction factor)	-/-	YES	PASSED
5.2	§ 15.209 (a) FIELDSTRENGTH OF FUNDAMENTAL	Annex 2.6	YES	PASSED
5.4	§ 15.209 (a) FIELDSTRENGTH OF HARMONICS and SPURIOUS	Annex 2.6	YES	PASSED
5.5	§ 15.109 Reveiver Spurious Emissions (Radiated)	Annex 2.6	YES	PASSED
5.6	§ 15.107 / 15.207 Conducted Limits	-/-	NO	

4 Measurements and results

The radiated measurements are performed in vertical and horizontal plane in the frequency range from 9 kHz to 1 GHz in semi-anechoic chambers or free field. 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 conform with specifications ANSI C63.2-1996 clause 15 and ANSI C63.4-2003 clause 4.1.5. 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 set-ups 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 C63.4-2003 clause 4.2.
Antennas are conform with ANSI C63.2-1996 item 15.
150 kHz - 30 MHz: Quasi Peak measurement, 9 kHz Bandwidth, passive loop antenna.

30 MHz - 200 MHz: Quasi Peak measurement, 120 KHz Bandwidth, biconical antenna
200MHz - 1GHz: Quasi Peak measurement, 120 KHz Bandwidth, log periodic antenna
>1GHz: Average, RBW 1MHz, VBW 10 Hz, wave guide horn

All measurement settings are according to FCC 15.209 and 15.207

5 FCC Part 15

5.1 Timing of the transmitter

Reference

FCC:	CFR Part SUBCLAUSE § 15.35 (c)
IC:	-/-

Test sample with test mode: 50% Duty Cycle.

In normal use, Duty Cycle is < 1.0

Limits: **§ 15.35 (c)**

(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.

5.2 Occupied bandwidth

Reference

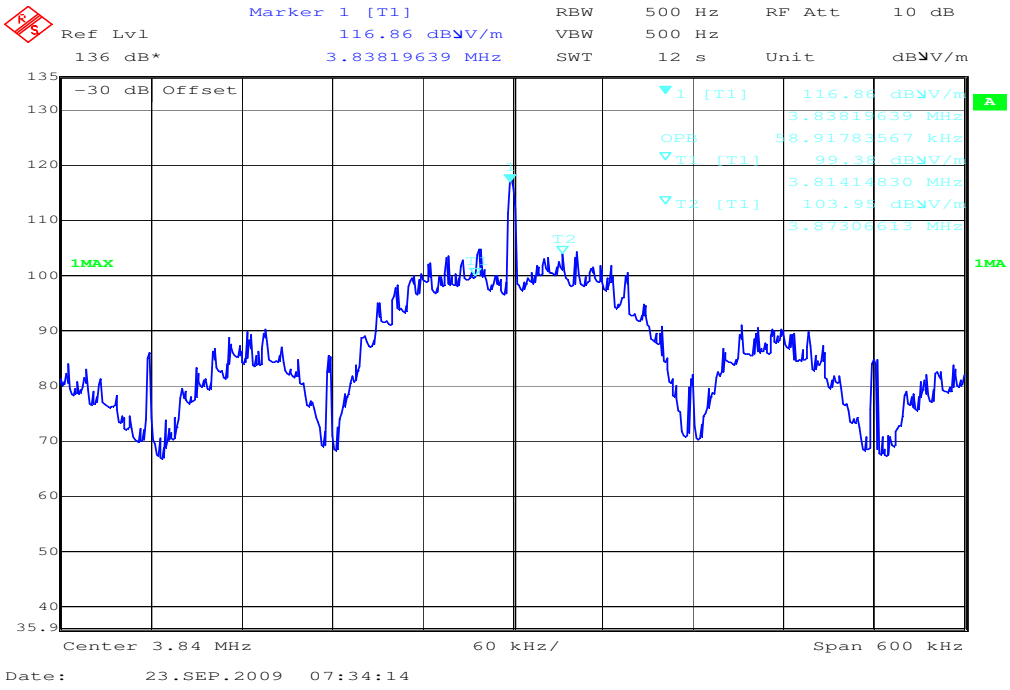
FCC:	CFR Part SUBCLAUSE § 15.223
IC:	RSS 210, Issue 7, Annex 2.3

Results:

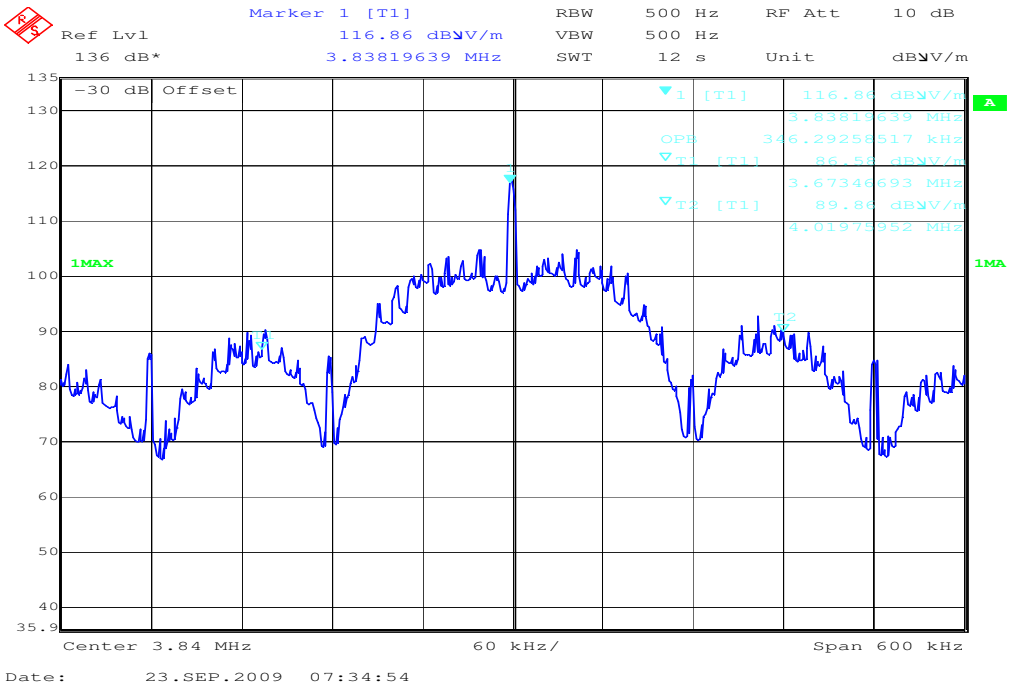
	Occupied Bandwidth [kHz]
6 dB (**75%**)	59
20 dB (**99%**)	346

Measured with the integrated OBW-function of the spectrum analyser Rohde&Schwarz FSIQ26 (measurement criteria is the integrated power in %).

Plot 1: 6 dB (75%) – Occupied Bandwidth



Plot 2: 20 dB (99%) – Occupied bandwidth



5.3 Maximum output power (quasi peak) - radiated

Reference

FCC:	CFR Part SUBCLAUSE § 15.223
IC:	RSS 210, Issue 7, Annex 2.3

Power measured:

TEST CONDITIONS		**Maximum field strength [dBµV/m]**	
Frequency		3.84 MHz	
Distance		1 m	**30 m***
T_{nom}	V_{nom}	46	-14
Measurement uncertainty		±3dB	

*** Calculation:**

Measured maximum field strength @ 1 m: 46 dBµV/m
Noise floor: 32.5dBµV/m

Correction factor from 1m to 10m: -40 dB (40dB/decade)
46 dBµV/m @ 1 meters - 40 dB = 6 dBµV/m @ 10 meters

Correction factor from 1m to 30m: -60 dB (40dB/decade)
46 dBµV/m @ 1 meters - 60 dB = -14 dBµV/m @ 30 meters

Limits **SUBCLAUSE § 15.223**

Fundamental Frequency [MHz]	**Field strength of Fundamental [µV/m]**	**Measurement Distance [meters]**
1.705 – 10.0	15 or (6dB –BW[kHz]/F[MHz) Whichwver is higher	30

5.4 Field strength of the harmonics and the spurious

Reference

FCC:	CFR Part SUBCLAUSE § 15.209 (a)
IC:	RSS - Gen 4.9

EMISSION LIMITATIONS				
Frequency [MHz]	**amplitude of emission [dBµV/m] Average/QP**	**limit max. allowed emission power at 30m**	**actual attenuation below frequency of operation [dB]**	**results**
No critical peaks detected!				
Measurement uncertainty		± 3dB		

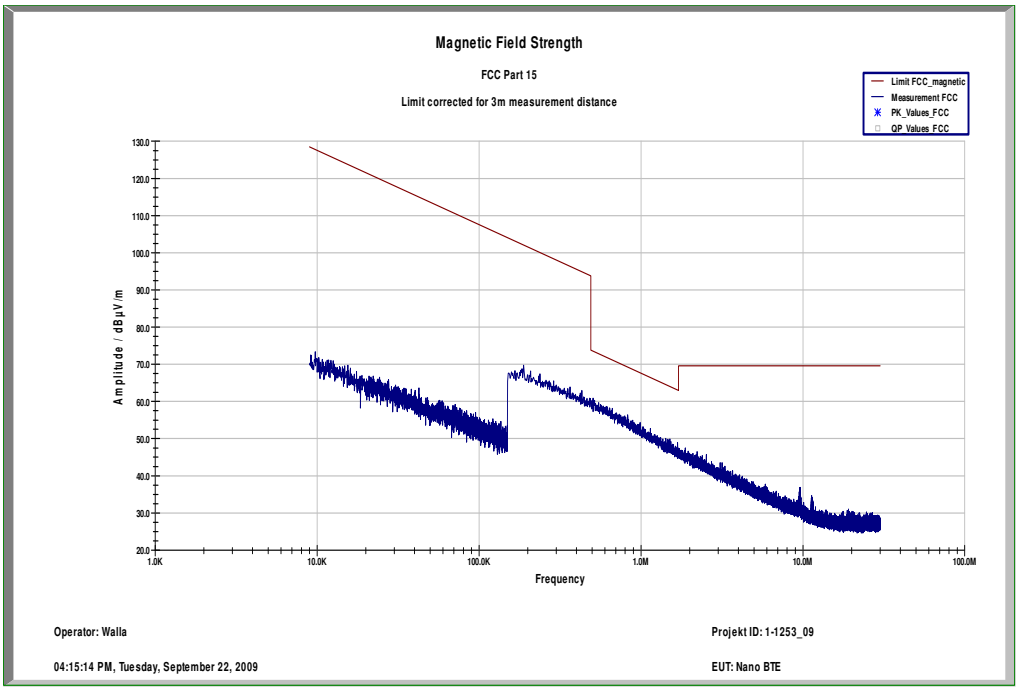
RBW/VBW: 200 Hz up to 150 kHz, 9 kHz up to 30 MHz, 120 kHz up to 1 GHz

Limits **SUBCLAUSE § 15.209 (a)**

Fundamental Frequency [MHz]	Field strength of Fundamental [µV/m]	Measurement Distance [meters]
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
30.0 – 88.0	100 (40 dBµv/m)	3
88 – 216	150 (43.5 dBµV/m)	3
216 – 960	200 (46 dBµV/m)	3

5.4.1 Plots of the measurements

Plot 1: 9 kHz – 30 MHz



(To convert the measuring distance from 10m to 30m and 30 to 300m a correction factor from 40dB/decade was used. Here we use 80 dB to recalculate from 3m to 300m)

Measurement distance: 3 m
This measurement was done in 3 planes; the plot shows the worst case.

The values may have some errors because of the small distance between measuring antenna and sample. Therefore we re-measured all found peaks at 10m.

Plot 2: 30 MHz – 1 GHz

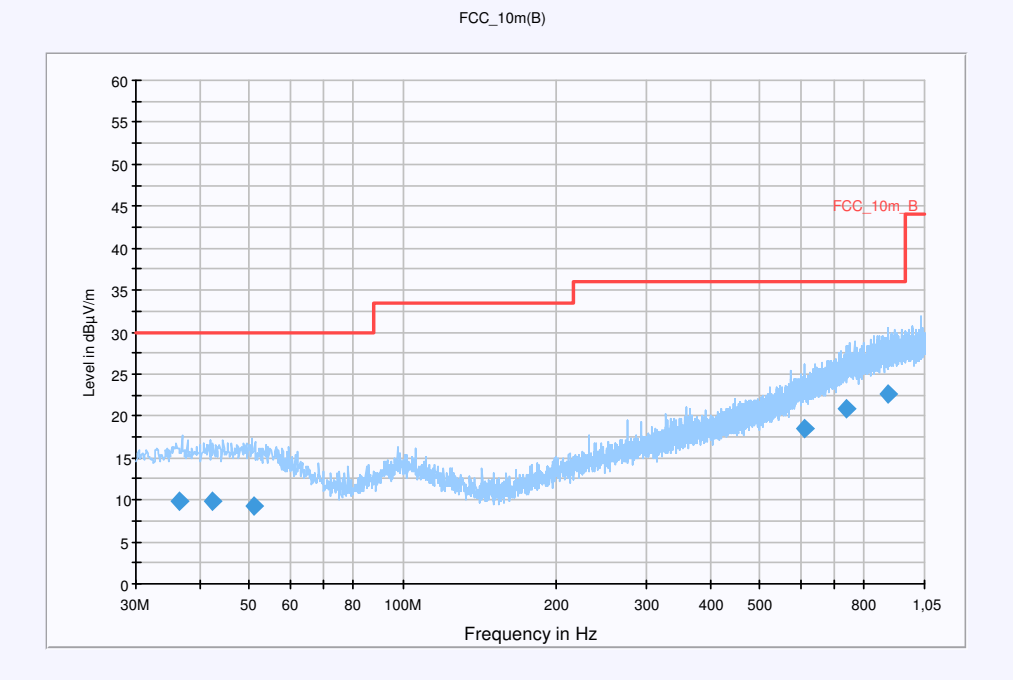
Information

EUT:	NANO BTE
Serial Number:	LBA 2A 065
Test Description:	FCC part 15 class B @ 10 m
Operating Conditions:	TX-Mode at 3.84 MHz
Operator Name:	Hennemann
Comment:	Battery powered 1.4 V DC

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Level Unit:	dBµV/m

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
30 MHz - 1,05 GHz	QuasiPeak	120 kHz	15 s	Receiver



Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
36.615150	9.9	15000.000	120.000	200.0	V	30.0	13.3	20.1	30.0
42.317100	9.8	15000.000	120.000	112.0	V	97.0	13.5	20.2	30.0
50.910900	9.2	15000.000	120.000	149.0	V	145.0	13.5	20.8	30.0
611.718000	18.5	15000.000	120.000	319.0	H	26.0	21.5	17.5	36.0
735.639450	20.8	15000.000	120.000	98.0	H	219.0	23.8	15.2	36.0
892.468650	22.7	15000.000	120.000	243.0	H	75.0	25.6	13.3	36.0

Hardware Setup: EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1		
	Frequency Range:	30 MHz - 2 GHz
	Receiver:	Receiver [ESCI 3]
		@ GPIB0 (ADR 20), SN 100083/003, FW 4.32
	Signal Path:	without Notch
		FW 1.0
	Antenna:	VULB 9163
		SN 9163-295, FW ---
		Correction Table (vertical): VULP6113
		Correction Table (horizontal): VULP6113
		Correction Table: Cable_EN_1GHz (0909)
	Antenna Tower:	Tower [EMCO 2090 Antenna Tower]
		@ GPIB0 (ADR 8), FW REV 3.12
	Turntable:	Turntable [EMCO Turntable]
		@ GPIB0 (ADR 9), FW REV 3.12
	EMC 32 Version 8.10.00	

5.5 Receiver spurious emission (radiated)

Reference

FCC:	CFR Part SUBCLAUSE § 15.109
IC:	RSS - Gen 4.10

SPURIOUS EMISSIONS LEVEL [µV/m]								
Idle								
Frequency [MHz]	Detector	Level [µV/m]	Frequency [MHz]	Detector	Level [µV/m]	Frequency [MHz]	Detector	Level [µV/m]
No critical peaks detected!								
Measurement uncertainty			±3 dB					

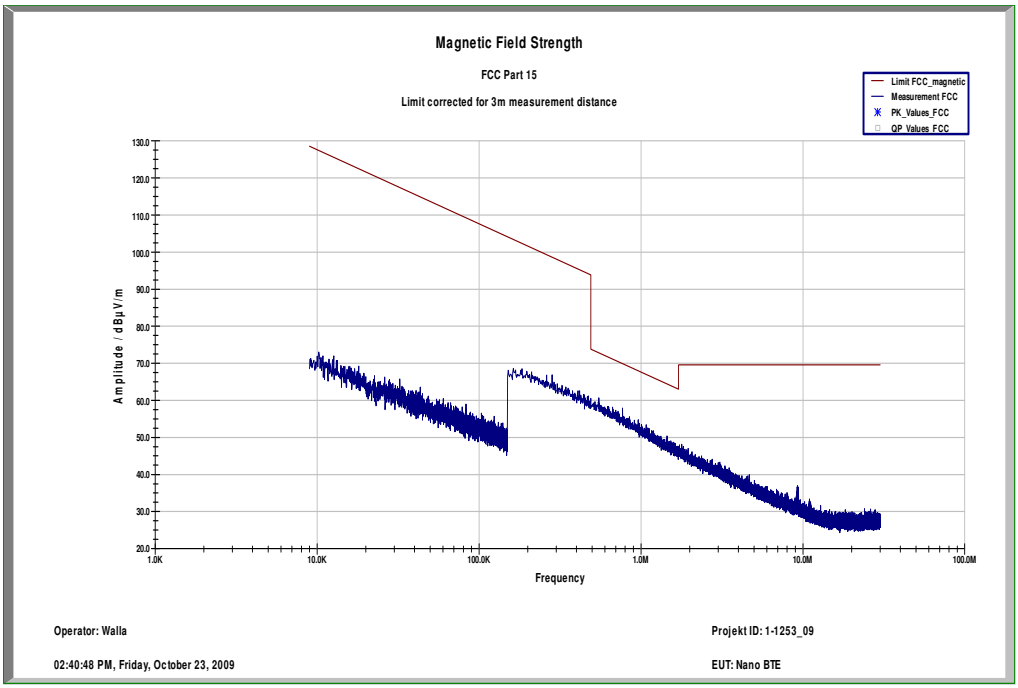
f < 1 GHz : RBW/VBW: 100 kHz f ≥ 1GHz : RBW/VBW: 1 MHz

Limits **SUBCLAUSE § 15.109**

Frequency [MHz]	Field strength [µV/m]	Measurement distance [m]
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
above 960	500	3

5.5.1 Plots of the measurements

Plot 1: 9 kHz – 30 MHz



(To convert the measuring distance from 10m to 30m and 30 to 300m a correction factor from 40dB/decade was used. Here we use 80 dB to recalculate from 3m to 300m)

Measurement distance 3 m
This measurement was done in 3 planes; the plot shows the worst case.

The values may have some errors because of the small distance between measuring antenna and sample.
Therefore we re-measured all found peaks at 10m.

Plot 2: 30 MHz – 1 GHz

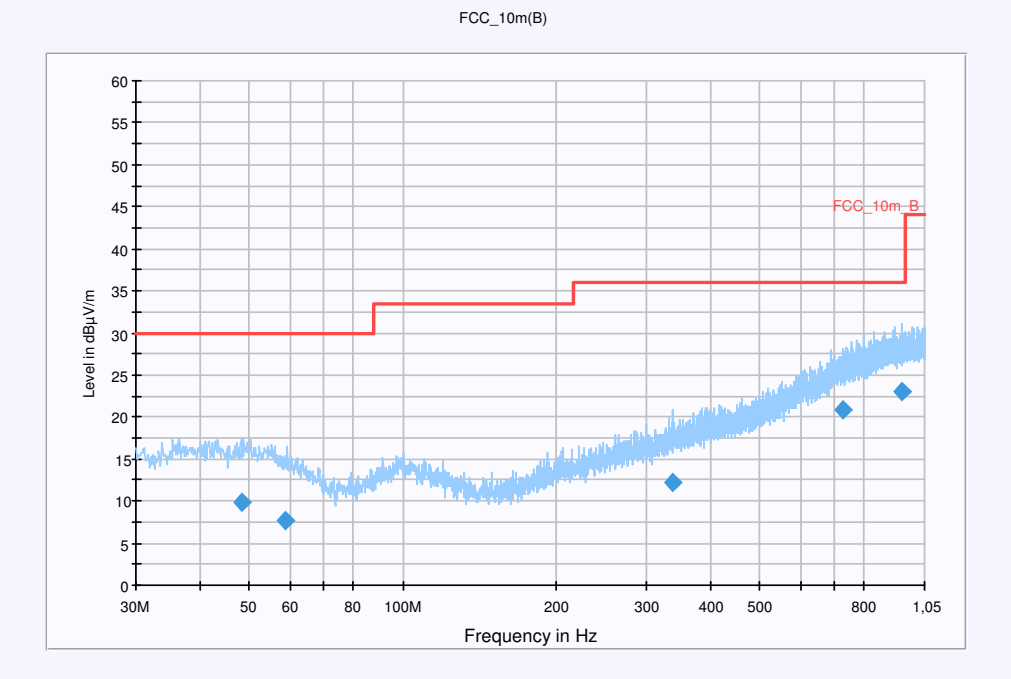
Information

EUT:	NANO BTE
Serial Number:	LAB 2A 038
Test Description:	FCC part 15 class B @ 10 m
Operating Conditions:	RX-Mode
Operator Name:	Langer
Comment:	Battery powered 1.4 V DC

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup:	Electric Field (NOS)
Level Unit:	dBµV/m

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
30 MHz - 1,05 GHz	QuasiPeak	120 kHz	15 s	Receiver



Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarity	Turntable position (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
48.488100	9.8	15000.000	120.000	235.0	V	-4.0	13.5	20.2	30.0
58.904100	7.8	15000.000	120.000	188.0	H	30.0	12.1	22.2	30.0
337.785300	12.1	15000.000	120.000	200.0	V	160.0	16.0	23.9	36.0
726.852150	20.8	15000.000	120.000	200.0	H	236.0	23.6	15.2	36.0
945.616500	23.0	15000.000	120.000	339.0	H	73.0	25.8	13.0	36.0

Hardware Setup: EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1		
	Frequency Range:	30 MHz - 2 GHz
	Receiver:	Receiver [ESCI 3]
		@ GPIB0 (ADR 20), SN 100083/003, FW 4.32
	Signal Path:	without Notch
		FW 1.0
	Antenna:	VULB 9163
		SN 9163-295, FW ---
		Correction Table (vertical): VULP6113
		Correction Table (horizontal): VULP6113
		Correction Table: Cable_EN_1GHz (0909)
	Antenna Tower:	Tower [EMCO 2090 Antenna Tower]
		@ GPIB0 (ADR 8), FW REV 3.12
	Turntable:	Turntable [EMCO Turntable]
		@ GPIB0 (ADR 9), FW REV 3.12
	EMC 32 Version 8.10.00	

5.6 Conducted Limits

Not applicable!

Reference

FCC:	CFR Part 15.207, 15.107
IC:	-/-

Limits: **§ 15.107 / 15.207**

Frequency of Emission [MHz]	**Conducted Limit [dBµV]**	
	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 Test equipment and ancillaries used for tests

Test equipment and ancillaries used for tests
To simplify the identification on each page of the test equipment used, on each page of the test report, each item of test equipment and ancillaries such as cables are identified (numbered) by the Test Laboratory, below.

All reported calibration intervals are calibrations according to the EN/ISO/IEC 17025 standard. These calibrations were performed from an accredited external calibration laboratory.
Additional to these calibrations the laboratory performed comparison measurements with other calibrated systems and performed a weekly chamber inspection.
All used devices are connected with a 10 MHz external reference.
According to the manufacturers' instruction is it possible to establish a calibration interval for the FSP unit of 24 month, if the device has an external 10 MHz reference.

Anechoic chamber C:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last Calibration	Frequency (months)	Next Calibration
1	Anechoic chamber	MWB	87400/02	300000996	Monthly verification		
2	System-Rack 85900	HP I.V.	*	300000222	n.a.		
3	Measurement System 1						
4	PSA-Spektrumanalysator 3 Hz - 26.5 GHz (E4440A)	Agilent	MY48250080	300003812	05.08.2008	24	05.08.2010
5	EMI Preselector 9 kHz - 1 GHz (N9039A)	Agilent	MY48260003	300003825	19.08.2008	24	19.08.2010
6	Microwave Analog Signal Generator (N5183A)	Agilent	MY47420220	300003813	06.08.2008	24	06.08.2010
7	PC	F+W			n.a.		
8	TILE	TILE			n.a.		
9	TRILOG Super Broadband Antenna (VULB9163)	Schwarzbeck	371	300003854	Monthly verification (System cal.)		
10	Double Ridged Antenna 3115	EMCO	3088	300001032	Monthly verification (System cal.)		
11	Active Loop Antenna 6502	EMCO	2210	300001015	Monthly verification (System cal.)		
12	Switch / Control Unit 3488A	HP	2719A15013	300001156	n.a.		
13	Power Supply 6032A	HP	2818A03450	300001040	08.01.2009	36	08.01.2012
14	Busisolator	Kontron		300001056	n.a.		
15	Leitungsteiler 11850C	HP		300000997	Monthly verification (System cal.)		
16	Power attenuator 8325	Byrd	1530	300001595	Monthly verification (System cal.)		
17	Band reject filter WRCG1855/1910	Wainwright	7	300003350	Monthly verification (System cal.)		
18	Band reject filter WRCG2400/2483	Wainwright	11	300003351	Monthly verification (System cal.)		
19	Hochpassfilter WHK1.1/15G-10SS	Wainwright	3	300003255	Monthly verification (System cal.)		
20	Hochpassfilter WHKX2.9/18G-12SS	Wainwright	1	300003492	Monthly verification (System cal.)		
21	Hochpassfilter WHKX7.0/18G-8SS	Wainwright	18	300003789	Monthly verification (System cal.)		
22	Switch / Control Unit 3488A	HP	2605e08770	300001443	n.a.		
23	Trenntrafo RT5A	Grundig	9242	300001263	n.a.		
24	Relais Matrix PSU	R&S	890167/024	300001168	n.a.		
25	Netznachbildung ESH3-Z5	R&S	828576/020	300001210	n.a.		

SRD Laboratory Room 002:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last Calibration	Frequency (months)	Next Calibration
1	System Controller PSM 12	R&S	835259/007	300002681-00xx	n.a.		
2	Memory Extension PSM-K10	R&S	To 1	300002681	n.a.		
3	Operating Software PSM-B2	R&S	To 1	300002681	n.a.		
4	19'' Monitor		22759020-ED	300002681	n.a.		
5	Mouse		LZE 0095/6639	300002681	n.a.		
6	Keyboard		G00013834L461	300002681	n.a.		
7	Spectrum Analyser FSIQ 26	R&S	835540/018	300002681-0005	10.01.2008	24	10.01.2010
8	Tracking Generator FSIQ-B10	R&S	835107/015	300002681	s.No.7		
10	RF-Generator SMIQ03 (B1 Signal)	R&S	835541/056	300002681-0002	26.08.2008	36	26.08.2011
11	Modulation Coder SMIQ-B20	R&S	To 10	300002681	s.No.10		
12	Data Generator SMIQ-B11	R&S	To 10	300002681	s.No.10		
13	RF Rear Connection SMIQ-B19	R&S	To 10	300002681	s.No.10		
14	Broadband horn antenna (1-18 GHz)	EMCO	9107-3696	300001604	16.04.2008	24	16.04.2010
15	Broadband horn antenna (1-18 GHz)	EMCO	9107-3697	300001605	21.08.2008	24	21.08.2010
16	Std gain horn antenna (18-26.5 GHz)	Narda	Model no. 638	300000486	n.a.		
17	Std gain horn antenna (18-26.5 GHz)	Narda	Model no. 638	300000487	n.a.		
18	Sleeve dipole antenna Model 3126-880	ETS-Lindgren	00040887	3000000	n.a.		
19	Fast CPU SM-B50	R&S	To 10	300002681	s.No.10		
20	FM Modulator SM-B5	R&S	835676/033	300002681	s.No.10		
21	RF-Generator SMIQ03 (B2 Signal)	R&S	835541/055	300002681-0001	25.08.2008	36	25.08.2011
22	Modulation Coder SMIQ-B20	R&S	To 21	300002681	s.No.21		
23	Data Generator SMIQ-B11	R&S	To 21	300002681	s.No.21		
24	RF Rear Connection SMIQ-B19	R&S	To 21	300002681	s.No.21		
25	Fast CPU SM-B50	R&S	To 21	300002681	s.No.21		
26	FM Modulator SM-B5	R&S	836061/022	300002681	s.No.21		
27	RF-Generator SMP03 (B3 Signal)	R&S	835133/011	300002681-0003	26.08.2008	36	26.08.2011
28	Attenuator SMP-B15	R&S	835136/014	300002681	S.No.27		
29	RF Rear Connection SMP-B19	R&S	834745/007	300002681	S.No.27		
30	Power Meter NRVD	R&S	835430/044	300002681-0004	26.08.2008	24	26.08.2010
31	Power Sensor NRVD-Z1	R&S	833894/012	300002681-0013	26.08.2008	24	26.08.2010
32	Power Sensor NRVD-Z1	R&S	833894/011	300002681-0010	26.08.2008	24	26.08.2010
33	Rubidium Standard RUB	R&S		300002681-0009	27.08.2008	24	27.08.2010
34	Switching and Signal Conditioning Unit SSCU	R&S	338864/003	300002681-0006	Verified with path compensation		
35	Laser Printer HP Deskjet 2100	HP	N/A	300002681-0011	n.a.		
36	19'' Rack	R&S	11138363000004	300002681	n.a.		
37	RF-cable set	R&S	N/A	300002681	n.a.		
39	IEEE-cables	R&S	N/A	300002681	n.a.		
40	Sampling System FSIQ-B70	R&S	835355/009	300002681	s.No.7		
41	RSP programmable attenuator	R&S	834500/010	300002681-0007	26.08.2008	24	26.08.2010
42	Signalling Unit	R&S	838312/011	300002681	n.a.		
43	NGPE programmable Power Supply for EUT	R&S	192.033.41	300002681			
44	Power Splitter 6005-3	Inmet Corp.	none	300002841	n.a.		
45	SMA Cables SPS-1151-985-SPS	Insulated Wire	different	different	n.a.		
46	CBT32 with EDR Signaling Unit	R&S					

47	Coupling unit	Narda	N/A	--	n.a.		
48	2xSwitch Matrix PSU	R&S	872584/021	300001329	n.a.		
49	RF-cable set	R&S	N/A	different	n.a.		
50	IEEE-cables	R&S	N/A	--	n.a.		

Note: 3000002681-00xx inventoried as a system

SRD Laboratory Room 005:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last Calibration	Frequency (months)	Next Calibration
1	Spektrum Analyzer 8566B	HP	2747A05275	300000219	18.01.2008	24	18.01.2010
2	Spektrum Analyzer Display 85662A	HP	2816A16497	300001690	23.01.2008	24	23.01.2010
3	Quasi-Peak-Adapter 85650A	HP	2811A01135	300000216	23.01.2008	24	23.01.2010
4	Power Supply	Heiden	003202	300001187	12.05.2007	36	12.05.2010
5	Power Supply	Heiden	1701	300001392	12.05.2007	36	12.05.2010

SRD Laboratory Room 011:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last Calibration	Frequency (months)	Next Calibration
1	NRP Power Meter	R&S	100212	300003780	27.02.2008	24	27.02.2010

Anechoic chamber F:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last Calibration	Frequency (months)	Next Calibration
1	Control Computer	F+W	FW0502032	300003303	-/-	-/-	-/-
2	Trilog Antenna VULB 9163	Schwarzbeck	295	300003787	01.04.2008	24	01.04.2010
3	Amplifier - 0518C-138	Veritech Micro-wave Inc.	-/-	-/-	-/-	-/-	-/-
4	Switch - 3488A	HP		300000368	-/-	-/-	-/-
5	EMI Test receiver - ESCI	R&S	100083	300003312	01.06.2009	24	01.06.2011
6	Turntable Controller - 1061 3M	EMCO	1218	300000661	-/-	-/-	-/-
7	Tower Controller 1051 Controller	EMCO	1262	300000625	-/-	-/-	-/-
8	Tower - 1051	EMCO	1262	300000625	-/-	-/-	-/-
10	Ultra Notch-Filter Rejected band Ch. 62	WRCD	9	-/-	-/-	-/-	-/-

7 Annex A: Photographs of test site

Photo 1:

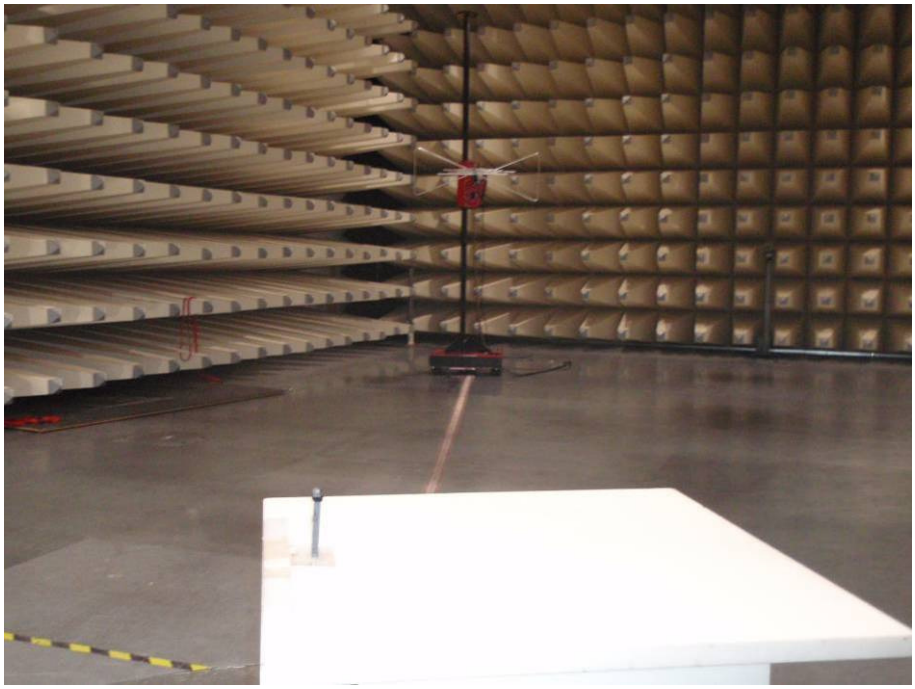


Photo 2:

8 Annex B: External photographs of the equipment

Photo 3:

Photo 4:

9 Annex C: Internal photographs of the equipment

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 9:

Photo 10:

Photo 11:

Photo 12:

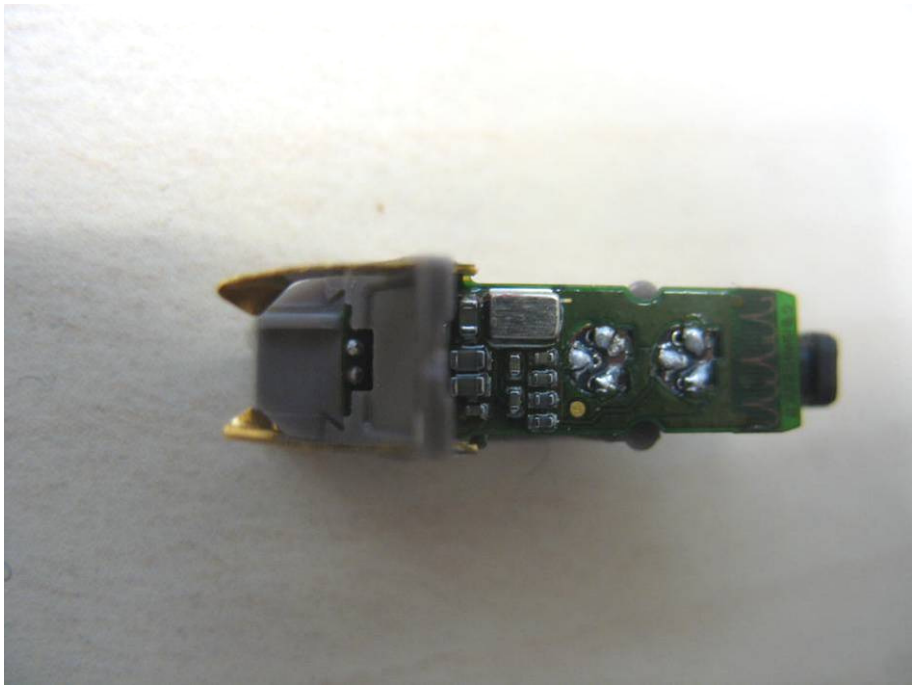


Photo 13:

Photo 14:

Photo 15: