



**Remarks**  
**Anmerkungen**

<p>1</p>	<p>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</p> <p><i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i></p>
<p>2</p>	<p>As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</p> <p><i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i></p>
<p>3</p>	<p>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</p> <p><i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i></p>
<p>4</p>	<p>The measurement uncertainty of the measurement procedures listed in this test report does not include the compliance of the respective limit values / operating conditions. For emission tests the requirements, CISPR 16-4-2 / EN 55016-4-2 (chapter 4.2) apply in their current form. For immunity tests, the specific dated requirements of the applied measurement and test procedures shall apply.</p> <p><i>Die Messunsicherheit der in diesem Prüfbericht aufgeführten Messverfahren wird nicht in die Einhaltung der jeweiligen Grenzwerte / Betriebsbedingungen mit einbezogen. Für Emissionsprüfungen gelten die Anforderungen CISPR 16-4-2 / EN55016-4-2 (Kapitel 4.2) in aktueller Form. Für Störfestigkeitsprüfungen gelten die speziellen datierten Anforderungen der angewendeten Mess- und Prüfverfahren.</i></p>

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**Remarks**  
**Anmerkungen**

- |          |  |
|----------|--|
| <b>5</b> | <p>Unless otherwise agreed with the customer, a conformity assessment is always carried out based on the applied standards.<br/>At the customer's request, the statement on the conformity of the product tested in this test report is carried out according to the criteria/requirements of the applied standards.<br/>Evaluation conditions deviating from these are documented separately in the respective chapters.</p> <p><i>Sofern mit dem Kunden keine abweichende Regelung getroffen wurde, wird eine Konformitätsbewertung grundsätzlich auf Basis der angewendeten Normen durchgeführt.<br/>Auf Kundenwunsch wird die Aussage zur Konformität des in diesem Prüfbericht geprüften Produktes nach den Kriterien/Anforderungen der angewendeten Normen durchgeführt.<br/>Davon abweichende Bewertungsbedingungen werden in den jeweiligen Kapiteln gesondert dokumentiert.</i></p> |
|----------|--|

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Clause	Requirements – Tests	Measuring results - Remarks	Result
6	Identical types	—	
7	Description of EUT	The device is a battery driven display for bike users which gets the information to show on the screen over a BLE connection. A coin cell CR2450 is used as power source.	
8	Serial number	—	
9	Manufacturer	Same as an client	
10	Rated voltage	3 V DC	
11	Rated frequency	—	
12	Rated current	<1,5 mA	
13	Rated power consumption	—	
14	Equipment type	Sonstiges/Other	
15	Equipment categorie	Class B	
16	Number of phases	Battery operated	
17	Protection class	—	
18	Hardware version	2.1.1	
19	Software version	1.1.25	
20	Dimensions	63 gr	
21	Weight	72 mm x 62 mm x 17 mm	
22	Other	2.4 GHz BLE band is excluded from test	

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Clause	Requirements – Tests	Measuring results - Remarks	Result
23	Test sample obtaining:	<input checked="" type="checkbox"/> Sending by customer <input type="checkbox"/> others:	<input type="checkbox"/> Sampling by TÜV Rheinland Group

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Clause	Requirements – Tests	Measuring results - Remarks	Result
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24	<b>Conducted voltage emissions</b> FCC Part 15 Subpart B section 15.107	<i>Remarks:</i> Battery operated device	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
25	<b>Radiated disturbance (30M - 1GHz)</b> 47 CFR FCC Part 15 Section 15.109	<i>Details in protocol number:</i> <a href="#">1277</a> <i>Operating mode:</i> Continuous operation, BLE: On <i>EUT:</i> BHU3200 (A003238087-002) <i>Terminals:</i> Gehäuse / Enclosure <i>Remarks:</i> -	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
26	<b>Radiated disturbance (&gt; 1 GHz)</b> 47 CFR FCC Part 15 Section 15.109	<i>Details in protocol number:</i> <a href="#">1278</a> <i>Operating mode:</i> Continuous operation, BLE: On <i>EUT:</i> BHU3200 (A003238087-002) <i>Terminals:</i> Gehäuse / Enclosure <i>Remarks:</i> 2.4 GHz BLE band is excluded from the test	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

**Limits**

**47 CFR FCC Part 15 Subpart B section §15.109**

Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values

Frequency [MHz]	Quasi-peak [dB(µV)/m]
30 – 88	40
88 – 216	43.5
216 – 960	46
Above 960	54

The field strength of radiated emissions from a Class A digital device, as determined at a distance of 10 meters, shall not exceed the following, using measurement instrumentation employing a CISPR quasi-peak detector.

Clause	Requirements – Tests	Measuring results - Remarks	Result
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Frequency [MHz]	Quasi-peak [dB(μV)/m]
30 – 88	39.1
88 – 216	43.5
216 – 960	46.4
Above 960	49.5

Note: For frequencies above 1000 MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. When average radiated emission measurements are specified, there also is a limit on the peak level of the radio frequency emissions which is 20 dB above the maximum permitted average emission limit. (see § 15.35 Measurement detector functions and bandwidths)

As an alternative to the radiated emission limits shown above, digital devices may be shown to comply with the standards contained in Third Edition of the International Special Committee on Radio Interference (CISPR), Pub. 22 (acc. §15.109 (g)).

The field strength of radiated emissions from Class B devices at a distance of 10 meters shall not exceed the following values

Frequency [MHz]	Quasi-peak [dB(μV)/m]
30 – 230	30
230 - 1000	37

The field strength of radiated emissions from Class A devices at a distance of 10 meters shall not exceed the following values

Frequency [MHz]	Quasi-peak [dB(μV)/m]
30 – 230	40
230 - 1000	47

**ICES-003 section 3.2.2**

**Radiated emissions limits (30 MHz to 1 GHz)**

Frequency [MHz]	Class A (3 m) Quasi-peak [dB(μV)/m]	Class A (10 m) Quasi-peak [dB(μV)/m]	Class B (3 m) Quasi-peak [dB(μV)/m]	Class B (10 m) Quasi-peak [dB(μV)/m]
30 – 88	50.0	40.0	40.0	30.0
88 – 216	54.0	43.5	43.5	33.1
216 – 230	56.9	46.4	46.0	35.6
230 – 960	57.0	47.0	47.0	37.0
960 – 1000	60.0	49.5	54.0	43.5

**Radiated emission limits at 3 m distance (at and above 1 GHz)**

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Clause	Requirements – Tests	Measuring results - Remarks	Result
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Frequency [GHz]	Class A Average [dB(μV)/m]	Class A Peak [dB(μV)/m]	Class B Average [dB(μV)/m]	Class B Peak [dB(μV)/m]
1 – F <sub>M</sub>	60	80	54	74

The highest measurement frequency, F<sub>M</sub>, in GHz, shall be determined as

Highest internal frequency (F <sub>x</sub> )	Highest measurement frequency (F <sub>M</sub> )
F <sub>x</sub> ≤ 108 MHz	1 GHz
108 MHz < F <sub>x</sub> ≤ 500 MHz	2 GHz
500 MHz < F <sub>x</sub> ≤ 1 GHz	5 GHz
F <sub>x</sub> > 1 GHz	5 x F <sub>x</sub> up to a maximum of 40 GHz

F<sub>x</sub> is the highest fundamental frequency generated and/or used in the ITE or digital apparatus under test. These limit levels apply for a measurement distance of 3 m. If using a different measurement distance, the measured levels shall be extrapolated to the 3 m limit distance using a factor of 20 dB per decade of distance. The measurement distance shall place the measurement antenna in the far field of the ITE or digital apparatus under test.



Clause	Requirements – Tests	Measuring results - Remarks	Result
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**Method of measurement of radiated emission**

Measurements were made in a 10-meter semi-anechoic chamber that complies to ANSI C63.4:2014. Floor-standing equipment was placed on a non-conducting support (0.1 ± 0.01) m over the reference ground plane. Tabletop equipment was placed on a table at a height of (0.8 ± 0.05) m above the reference ground plane. Preliminary measurements were performed with a receiver employing a peak detector at an antenna to EUT distance of 10 m or 3 m (as defined in the standard). The EUT was rotated in 45° steps for frequencies below 1 GHz and 22.5° steps for frequencies over 1GHz about its azimuth to determine the position of the highest emissions. The measurement antenna was adjusted between 1 m and 4 m above ground to find the maximum signal strength. These measurements were done and in both horizontal and vertical polarizations. After this, final measurements with a receiver employing a quasi-peak detector for frequencies below 1 GHz and with a peak and an average detector for frequencies above 1 GHz were performed by rotating the EUT by 360° and adjusting the receive antenna height from 1 m to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity. For frequencies over 1 GHz floor absorbers were used between antenna and EUT to fulfil the SVSWR requirements.

The whole required frequency range was investigated for maximum radiated interferences. After data reduction, a final measurement of the highest emissions was made with quasi-peak, peak and average detector with a measurement time of at least 1 s per single frequency.

The emission limits are calculated from the field strength limit of this section using this formula:

$$Emission\ level\ \left(\frac{dB\mu V}{m}\right) = 20\ log\ Emission\ level\ \left(\frac{\mu V}{m}\right)$$

When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade as per §15.31(f)(1). For this documentation a distance extrapolation factor was added to the limit that was calculated using this formula:

$$Emission\ limit_{new}\ \left(\frac{dB\mu V}{m}\right) = Emission\ limit_{old} + 20\ log\ \left(\frac{d_1}{d_2}\right)$$

Where

$d_1$ : old distance (e. g. 3 m)

$d_2$ : new distance (e. g. 10 m)

The field strength is calculated by adding the antenna factor and cable loss. The basic equation with a sample calculation is as follows:

$$E = U + AF + CA$$

Where

$E$ : Field strength

$U$ : Receiver reading

$AF$ : Antenna factor

$CA$ : Cable loss

For example:

Frequency (MHz)	Receiver reading U (dBμV)	Correction antenna factor AF + cable loss CA (dB)	Field strength E (dBμV/m)
320	15.9	15.8	31.7

**ADDITIONAL DOCUMENTATION**

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**ADDITIONAL DOCUMENTATION**

**27 Accreditations & Endorsements**

**28 US Federal Communications Commission**

TUV Rheinland LGA Products GmbH located at, Tillystraße 2, 90431 Nuremberg is recognized by the Bundesnetzagentur (Federal Network Agency for Electricity, Gas, Telecommunications, Post and Railway) as conformity assessment body.

FCC designation number	DE0016
Bundesnetzagentur registration number	BNetzA-CAB-17/21-16

**29 Applied basic standards**

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- Title 47 CFR FCC Part 15 Subpart B
- ANSI C63.4-2014 (Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9kHz to 40GHz)
- ICES-003:2020 (Issue 7) (Information Technology Equipment (Including Digital Apparatus) — Limits and Methods of Measurement)

The test setup and test was done according to ANSI C63.4-2014.

**ADDITIONAL DOCUMENTATION**

**30 Equipment used during test**

**Equipment under test**

Product type	Manufacturer	Model	Comments
Intuvia 100	Robert Bosch GmbH, 75757 Reutlingen, Germany	BHU3200	EUT

**Auxiliary Equipment / Peripherals**

Product type	Manufacturer	Model	Comments
—	—	—	—

**ADDITIONAL DOCUMENTATION**

<b>31</b>	<b>Input/Output ports</b>				
	<b>Name</b>	<b>Type*</b>	<b>Cable length</b>	<b>Shielded</b>	<b>Comments</b>
	Enclosure	N/E	—	—	None
	Wechselstromanschluss / AC supply	AC	<1.5m	—	NO
	DC Power Port	DC	0.0m	N	Battery operated
	* AC = AC Power Port DC = DC Power Port N/E = Non-Electrical I/O = Signal Input or Output Port (Not Involved in Process Control) TP = Telecommunication Ports				
<b>32</b>	<b>Internal operating frequencies</b>				
	<b>Frequency</b>	<b>Description</b>			
	f = 2.4 GHz	BLE band			
<b>33</b>	<b>Operating modes</b>				
	<b>No.</b>	<b>Description</b>			
	1	Continuous operation, BLE: On			
	For details see the corresponding protocol				
<b>34</b>	<b>Special EMC measures</b>				
	Keine / No				

**ADDITIONAL DOCUMENTATION**

**35 EUT configuration**

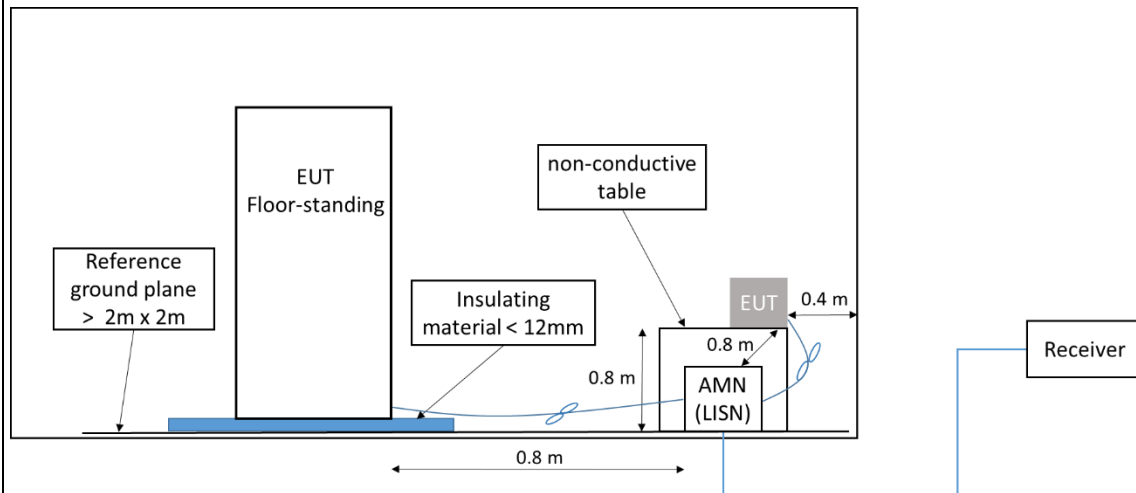
The test setup was made in accordance with mentioned EMC standards.

Measurements and tests were executed under "worst case" conditions. Typical EUT arrangements or operating modes were chosen or assumed which let suspect maximum emission or susceptibility (a so called "unfavourable configuration").

Details of test setup or adjustments are (particularly) shown inside the photo documentation.

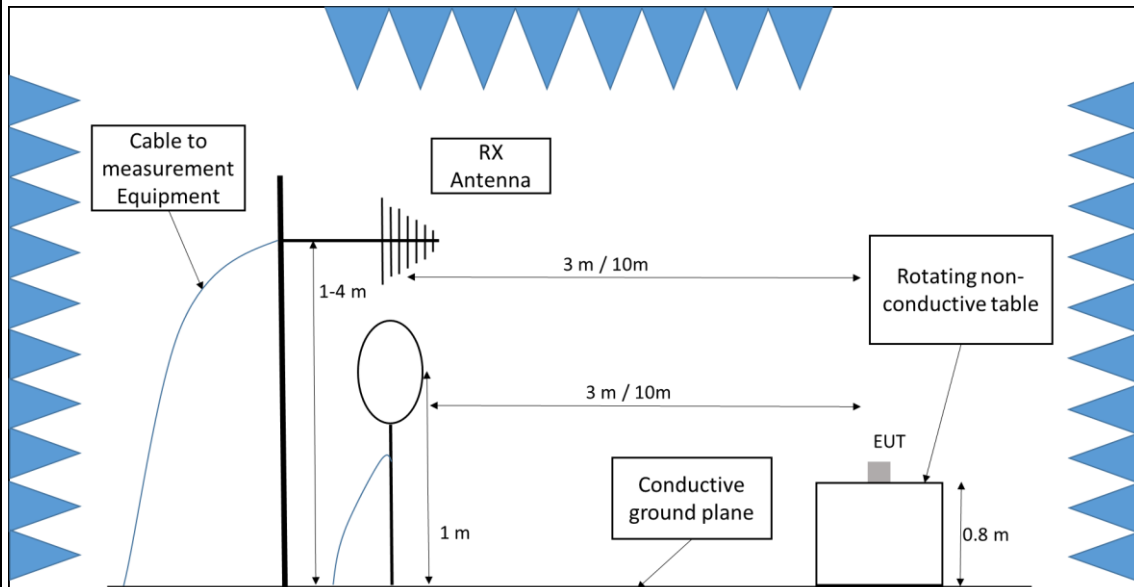
As far as not mentioned otherwise these statements are valid for all following tests.

**36 Conducted emission (9kHz – 30 MHz) acc. ANSI C63.4**

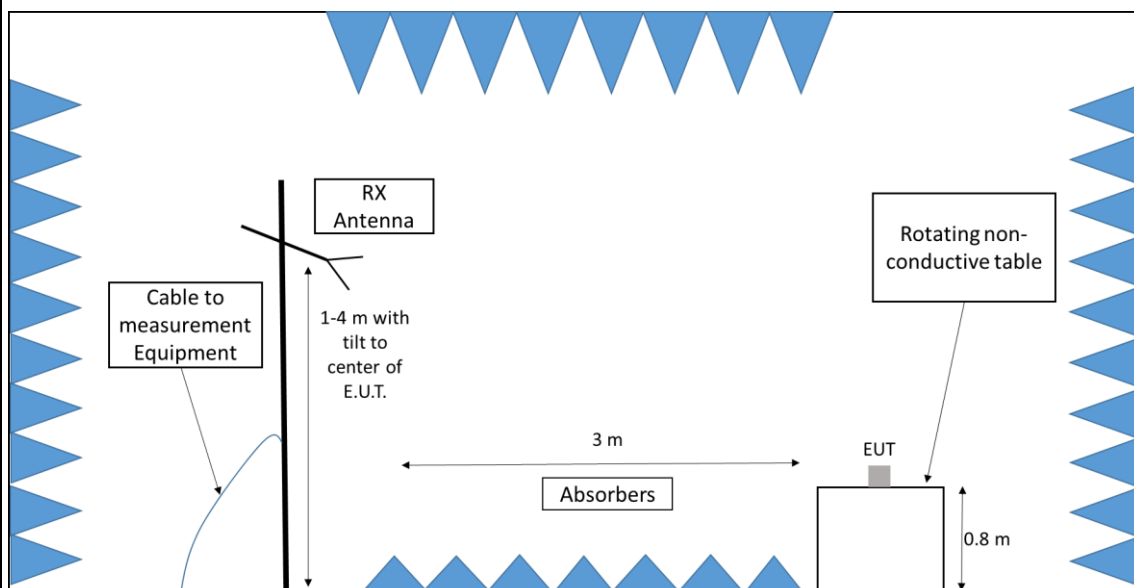


**ADDITIONAL DOCUMENTATION**

**37** Field strength measurement (9 kHz – 30 MHz) with loop antenna  
 Field strength measurement (30 MHz – 1000 MHz) with log-per antenna acc. ANSI C63.4



**38** Field strength measurement (>1 GHz) horn antenna acc. ANSI C63.4



**ADDITIONAL DOCUMENTATION**

**39 Climatic conditions**

Ambient Temperature	15 - 35 °C
Relative Humidity	30 - 60 %
Air pressure	860 - 1060 mbar



**ADDITIONAL DOCUMENTATION**

**40 Statement of the measurement uncertainty**

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the quality system acc. to ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation.

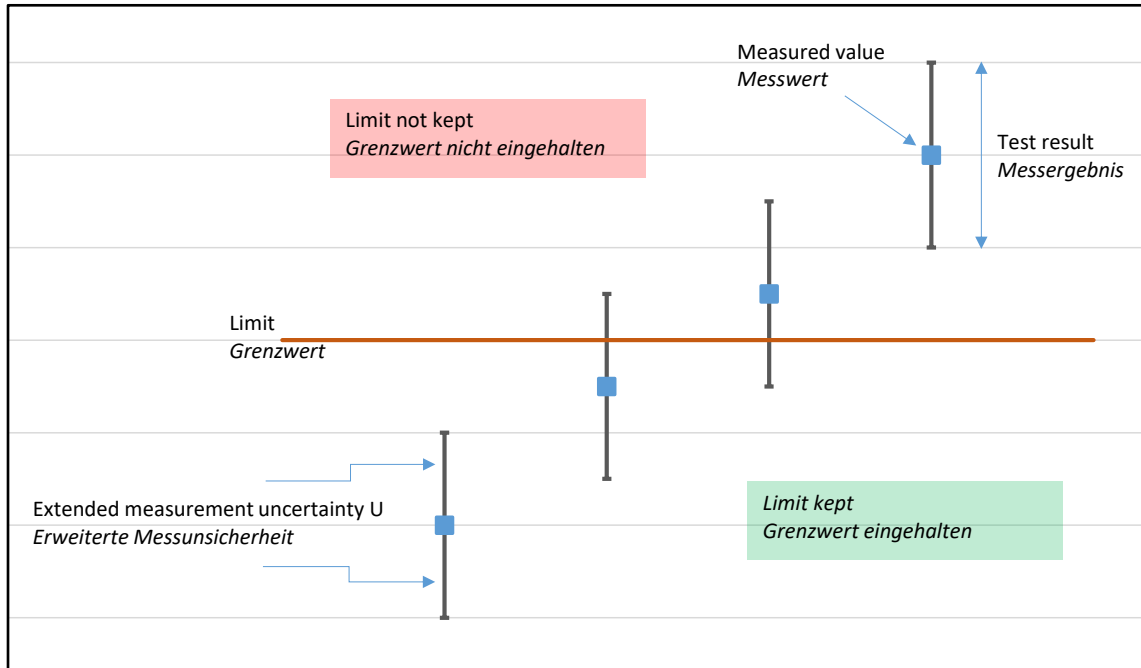
The manufacturer has the sole responsibility of continued compliance of the device.

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of  $k = 2$ .

Measurement procedure	U <sub>Lab</sub>
Measurement of conducted emissions at the power supply connection to LISN in the frequency range 9k-150kHz (CISPR Band A)	2.3 dB
Measurement of conducted emissions at the power supply connection to LISN in the frequency range 150k-30MHz (CISPR Band B) with 150 ohm Delta LISN	3.3 dB
Measurement of conducted emissions at the power supply connection to LISN in the frequency range 150k-30MHz (CISPR Band B)	2.2 dB
Measurement of conducted emissions at the power supply connection to voltage probes in the frequency range 9k-30MHz (CISPR Band A and B)	2.0 dB
Measurement of conducted emissions at telecommunication connection to ISN in the frequency range 150k-30MHz (CISPR Band B) ISN CAT 5	3.3 dB
Measurement of conducted emissions at the telecommunication connection to ISN in the frequency range 150k-30MHz (CISPR Band B) ISN CAT 6 Shielded	2.6 dB
Measurement of conducted emissions at the telecommunications connection to current clamps in the frequency range 150k-30MHz (CISPR Band B)	2.2 dB
Measurement of interference power in the frequency range 30-300MHz (CISPR Band C)	2.9 dB
Measurement of interference power in the frequency range 30-300MHz (CISPR Band C) CDNE	2.6 dB

ADDITIONAL DOCUMENTATION

41 Example for interpretation of measuring results



Measured value	Limit	Extended measurement uncertainty (k=2)	Test result
48.9 dBμV @ 16.5 MHz	50 dBμV	2.2 dB	46.7 dBμV – 51.1 dBμV

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**ADDITIONAL DOCUMENTATION**

Protocol number	<a href="#">1277</a>	
Radiated disturbance (30M - 1GHz)	<b>PASS</b>	
Applied Standard	FCC Part 15 Subpart B	
Test method	ANSI C63.4-2014	
Test sample No.	A003238087-002	
Model	BHU3200	
Tested terminals	Gehäuse / Enclosure	
Supply voltage	3 V DC	
Operating mode	Continuous operation, BLE: On	
Test setup	nach Norm (siehe Foto) / according to standard (see picture)	
EMC measures	Keine / No	
Remarks	—	
Temperature (°C)	15 - 35	
Humidity (% rH)	30 - 60	
Air pressure (mbar)	860 - 1060	
Test Software	BAT-EMC Version 2022.0.8.0	
Tested by	Sami Ullah	
Test date	2022-06-27	

**ADDITIONAL DOCUMENTATION**

**Used test equipment**

Type	Manufacturer	Model	ID	Last calibration	Next calibration
Turntable	INN-CO	CO 3000	2869231	---	---
Antenna mast	INN-CO	CO 3000	2869231	---	---
Receiver	Rohde & Schwarz	ESU 8	2728844	2021-12-23	2022-12-23
Anechoic chamber	Siemens	SAC 10 (NSA 30-1000MHz)	2729645	2020-06-19	2023-06-19
Antenna	Schwarzbeck	VULB 9168	2728787	2019-09-24	2022-09-24

**Test parameter of Radiated disturbance (80M - 1GHz)**

#1277

Sample number:A003238087-002

Model name:BHU3200

Subrange 1 (Horizontal)	30 MHz ... 1 GHz
IF Bandwidth	120 kHz
Step Size	30 kHz
Preamplifier	ON
Preamplifier Auto Ranging	ON
LN-Preamplifier	OFF
RF Attenuation	Auto
Sweep Time	20 ms
Reference Level	80 dBµV
VBW	Auto
EMI Filter	6dB
Subrange 2 (Vertical)	30 MHz ... 1 GHz
IF Bandwidth	120 kHz
Step Size	30 kHz
Preamplifier	ON
Preamplifier Auto Ranging	ON
LN-Preamplifier	OFF
RF Attenuation	Auto
Sweep Time	20 ms
Reference Level	80 dBµV
VBW	Auto
EMI Filter	6dB

**ADDITIONAL DOCUMENTATION**

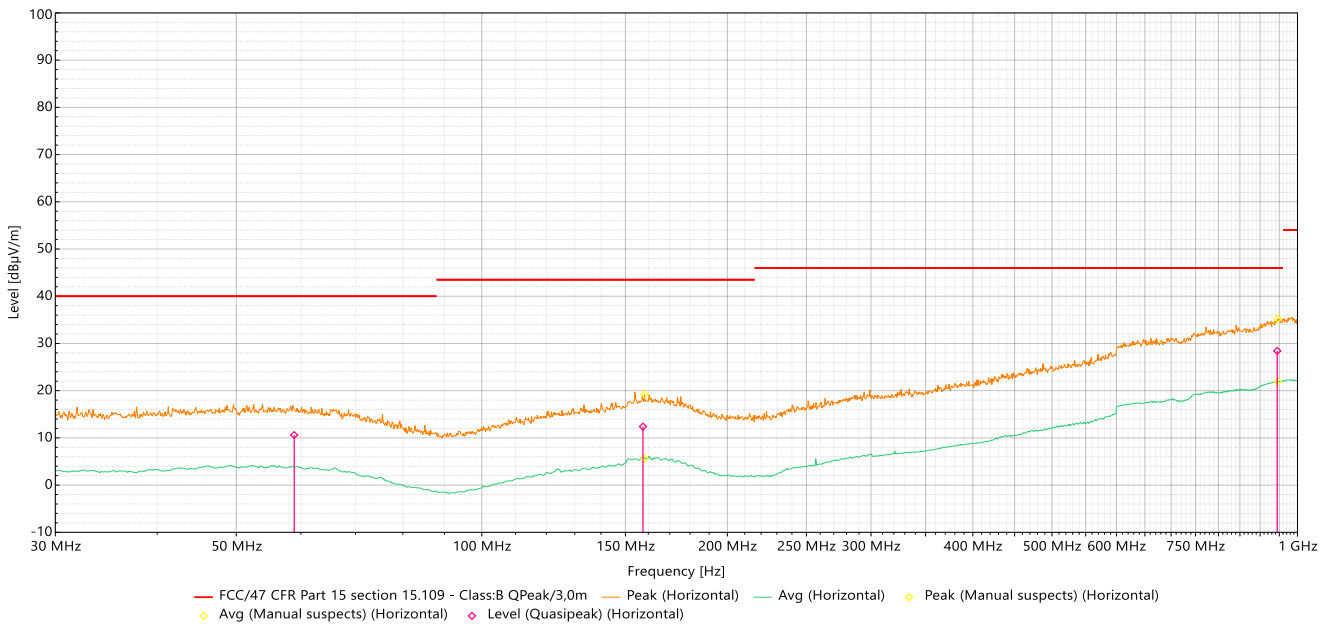
**Graphical presentation of Radiated disturbance (80M - 1GHz)**

#1277

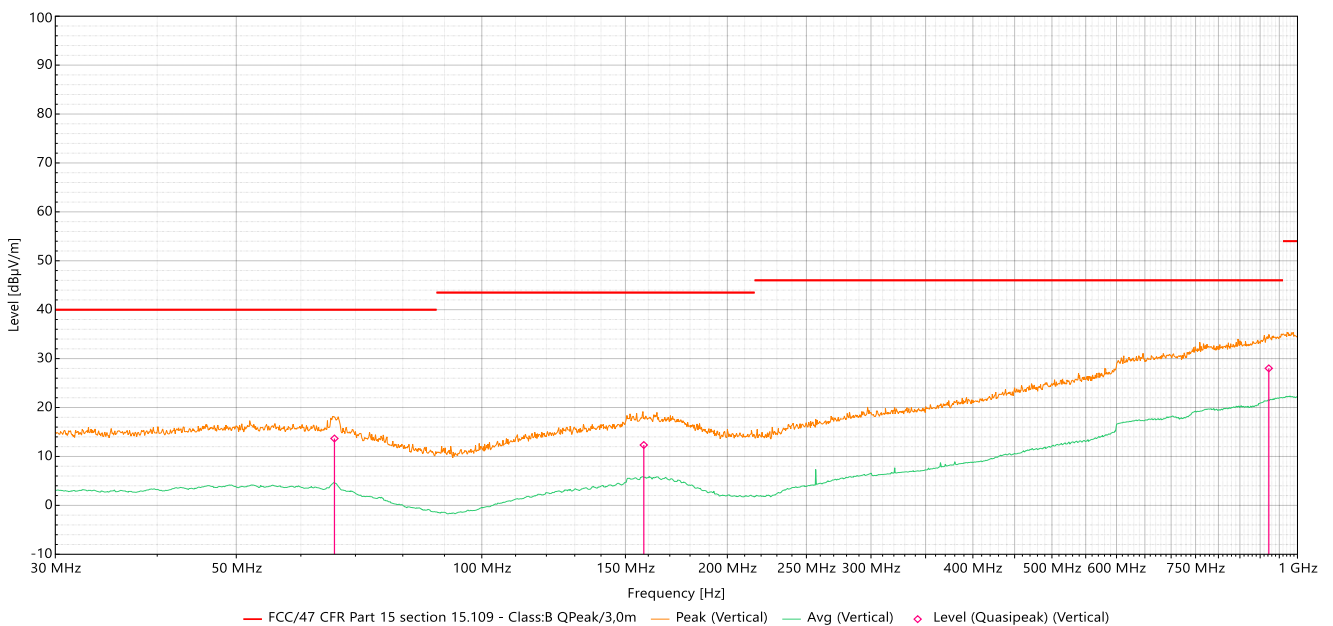
Sample number: A003238087-002

Model name: BHU3200

**Radiated disturbance (Horizontal)**



**Radiated disturbance (Vertical)**



**ADDITIONAL DOCUMENTATION**

**Measurement data of Radiated disturbance (80M - 1GHz)**

#1277

Sample number:A003238087-002

Model name:BHU3200

Source	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Polarity	Azimuth (°)	Height (m)	M. time (s)	Comments	Correction (dB)
Quasipeak	58.890	10.60	40.00	-29.40	H	76.4	1.91	1	Pass	14.16
Quasipeak	157.620	12.38	43.50	-31.12	H	92.4	2.62	1	Pass	14.95
Quasipeak	944.430	28.42	46.00	-17.58	H	359.7	1.00	1	Pass	28.61
Quasipeak	65.970	13.67	40.00	-26.33	V	170.0	2.44	1	Pass	13.40
Quasipeak	157.980	12.34	43.50	-31.16	V	24.8	1.44	1	Pass	14.94
Quasipeak	922.230	28.01	46.00	-17.99	V	23.8	1.82	1	Pass	28.38

Remarks:

Measurement values which are more than 20 dB below the limit value were not detected or evaluated.

Margin value = Measurement value – Limit value

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**ADDITIONAL DOCUMENTATION**

<b>Protocol number</b>	<a href="#">1278</a>	
<b>Radiated disturbance (&gt; 1 GHz)</b>	<b>PASS</b>	
<b>Applied Standard</b>	47 CFR FCC Part 15 Section 15.109	
<b>Test method</b>	ANSI C63.4-2014	
<b>Test sample No.</b>	A003238087-002	
<b>Model</b>	BHU3200	
<b>Tested terminals</b>	Gehäuse / Enclosure	
<b>Supply voltage</b>	3 V DC	
<b>Operating mode</b>	Continuous operation, BLE: On	
<b>Test setup</b>	nach Norm (siehe Foto) / according to standard (see picture)	
<b>EMC measures</b>	Keine / No	
<b>Remarks</b>	2.4 GHz BLE is excluded from the test	
<b>Temperature (°C)</b>	15 - 35	
<b>Humidity (% rH)</b>	30 - 60	
<b>Air pressure (mbar)</b>	860 - 1060	
<b>Test Software</b>	BAT EMC Version 2022.0.8.0	
<b>Tested by</b>	Sami Ullah	
<b>Test date</b>	2022-06-29	

**ADDITIONAL DOCUMENTATION**

**Used test equipment**

Type	Manufacturer	Model	ID	Last calibration	Next calibration
Preamplifier	Schwarzbeck	BBV 9718B	2888179	2021-10-13	2023-10-13
Turntable	INN-CO	CO3000	2732515	---	---
Antenna	EMCO	3115	2728607	2020-02-10	2023-02-10
Receiver	Rohde & Schwarz	ESU 26	2728898	2021-08-17	2022-08-17
Cable	TRLP	N-SMA	LTG_1815	---	---
Antenna mast	Maturo	NCD	2733253	---	---
Anechoic chamber	TDK	SAC 10 (SVSWR 1-40GHz)	2766607	2020-04-03	2023-04-03

**Test parameter of Radiated disturbance (> 1 GHz)**

**#1278**

Sample number:A003238087-002

Model name:BHU3200

Subrange 1 (Horizontal)	1 GHz ... 13 GHz
IF Bandwidth	1 MHz
Step Size	250 kHz
Preamplifier	ON
Preamplifier Auto Ranging	ON
LN-Preamplifier	OFF
RF Attenuation	Auto
Sweep Time	5 ms
Reference Level	80 dBµV
VBW	Auto
EMI Filter	6dB
Subrange 2 (Vertical)	1 GHz ... 13 GHz
IF Bandwidth	1 MHz
Step Size	250 kHz
Preamplifier	ON
Preamplifier Auto Ranging	ON
LN-Preamplifier	OFF
RF Attenuation	Auto
Sweep Time	5 ms
Reference Level	80 dBµV
VBW	Auto
EMI Filter	6dB



**ADDITIONAL DOCUMENTATION**

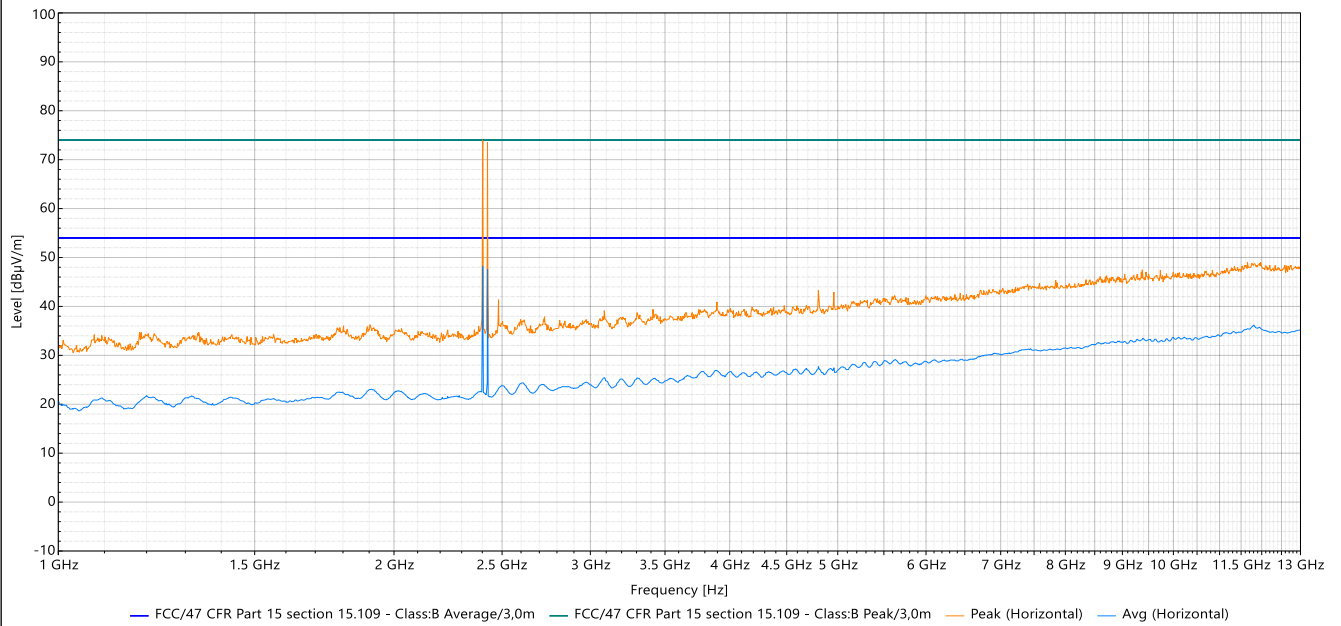
**Graphical presentation of Radiated disturbance (> 1 GHz)**

#1278

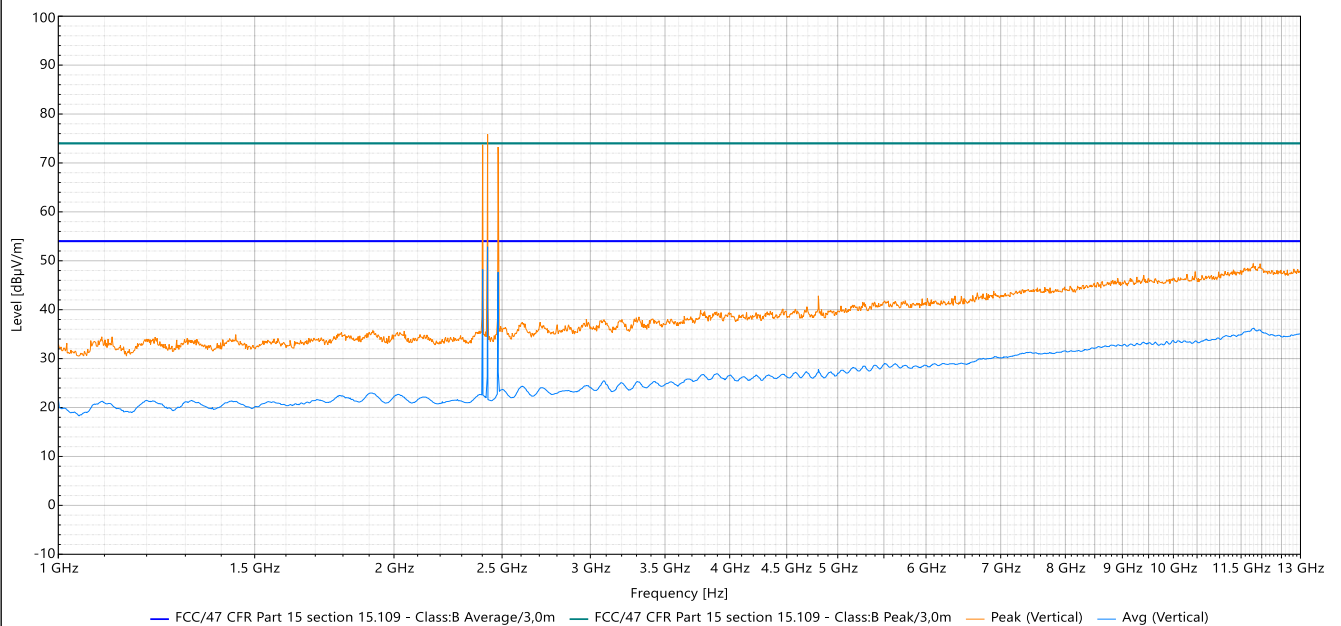
Sample number: A003238087-002

Model name: BHU3200

**Radiated disturbance (> 1 GHz) (Horizontal)**



**Radiated disturbance (> 1 GHz) (Vertical)**



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**ADDITIONAL DOCUMENTATION**

**Measurement data of Radiated disturbance (> 1 GHz)**

**#1278**

Sample number:A003238087-002

Model name:BHU3200

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Remarks:

Measurement values which are more than 20 dB below the limit value were not detected or evaluated.

Margin value = Measurement value – Limit value

**REVISION HISTORY**

**42 Change history**

Rev. No.	List of changes	Date Author
001	First edition (DE22BP AE 001)	2022-06-30 Sami Ullah
002	Second edition (DE22BP AE 002)	2022-08-17 Sami Ullah

End of test Report