



RF - TEST REPORT

- FCC Part 15B -

Type / Model Name : Renfert CONNECT stick

Product Description : 802.11b/g/n Wifi Stick

Applicant : Renfert GmbH

Address : Untere Gießwiesen 2
78247 Hilzingen, Germany

Manufacturer : Renfert GmbH

Address : Untere Gießwiesen 2
78247 Hilzingen, Germany

Test Result according to the standards
listed in clause 1 test standards:

POSITIVE

Test Report No. : 80163851-01 Rev_0

25. September 2023

Date of issue



Deutsche
Akkreditierungsstelle
D-PL-12030-01-03
D-PL-12030-01-04

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1 TEST STANDARDS

The tests were performed according to following standards:

FCC Rules and Regulations Part 15 Subpart B - Unintentional Radiators (May 2023)

Part 15, Subpart B, Section 15.107

AC Line conducted emission

☐

Class A device

☒

Class B device

Part 15, Subpart B, Section 15.109

Radiated emission, general requirements

☐

Class A device

☒

Class B device

ANSI C63.4: 2014

Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz.

CISPR 16-4-2: 2011 + A1: 2014
EN 55016-4-2: 2011

Uncertainty in EMC measurement

The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test results without the written permission of the test laboratory.

2 TEST RESULT SUMMARY

FCC Rule Part	Description
15.107	AC power line conducted emissions
15.109	Radiated Emissions

Type of test	Test result
Emission:	
A4 Conducted emission (AC mains power / DC power)	passed
A5 Radiated emission (< 1 GHz)	passed
SER 3 Radiated emission (> 1 GHz)	passed

2.1 Revision history of test report

Test report No	Rev.	Issue Date	Changes
80163851-01	0	15 June 2023	Initial test report
80163851-01	1	25 September 2023	Photo documentation of test setup is now in ATTACHMENT B

The test report with the highest revision number replaces the previous test reports.

2.2 Final assessment

The equipment under test fulfills the requirements cited in clause 1 test standards.

Date of receipt of test sample : acc. to storage records

Testing commenced on : 22 May 2023

Testing concluded on : 31 May 2023

Checked by:

Tested by:

Klaus Gegenfurtner
Teamleader Radio

Lukas Scheuermann
Radio Team

3 EQUIPMENT UNDER TEST

3.1 Information provided by the Client

Please note, we do not take any responsibility for information provided by the client or his representative which may have an influence on the validity of the test results.

3.2 Sampling

The customer is responsible for the choice of sample. Sample configuration, start-up and operation is carried out by the customer or according to his/her instructions.

3.3 Photo documentation

For detailed photos of the EUT refer to ATTACHMENT A.

For detailed photos of the respective test setup refer to ATTACHMENT B.

3.4 General remarks

FCC ID: 2A5CG-01

3.5 Power supply system utilised

Power supply voltage : 3.3 V DC

3.6 Highest internal frequency

Highest internal frequency : WLAN CH11 (2462 MHz)

3.7 Short description of the Equipment under Test (EUT)

The EUT is a Wifi Stick to connect a dental equipment from Renfert, which is labeled "App-Ready", with a local Wifi, to make the device accessible by the Renfert CONNECT App. For this purpose the EUT will be plugged into a specific interface of the dental equipment.

Number of tested samples: 1
Serial number: B1
Firmware version: 03

3.8 EUT operation mode

The equipment under test was operated during the measurement under the following conditions:

- Data communication with Laptop while WLAN in continuous RX mode

3.9 EUT configuration

The following peripheral devices and interface cables were connected during the measurements:

- Laptop	Model : CSA 02-01/01-11-006
- Laptop Power Supply	Model : FUJITSU ADP-80NB A
- FTDI Debug Adapter	Model : DELOCK 65370 USB 3.0-A Buchse

Modifications during the EMC test: None

4 TEST ENVIRONMENT

4.1 Address of the test laboratory

**CSA Group Bayern GmbH
Ohmstrasse 1-4
94342 STRASSKIRCHEN
GERMANY**

4.2 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature: 15 - 35 °C

Humidity: 30 - 60 %

Atmospheric pressure: 86 - 106 kPa

4.3 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. It is noted that the expanded measurement uncertainty corresponds to the measurement results from the standard measurement uncertainty multiplied by the coverage factor $k = 2$. The true value is located in the corresponding interval with a probability of 95 %. The measurement uncertainty was calculated for all measurements listed in this test report on basis of the ETSI Technical Report TR 100 028 Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1 and Part 2. The results are documented in the quality system acc. to DIN EN 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.

4.4 Conformity Decision Rule

The applied conformity decision rule is based on ILAC G8:09/2019 clause 4.2.1 Binary Statement for Simple Acceptance Rule ($w = 0$).

Details can be found in the procedure CSA_B_V50_29.

4.5 Measurement protocol for FCC and ISED

4.5.1 General information

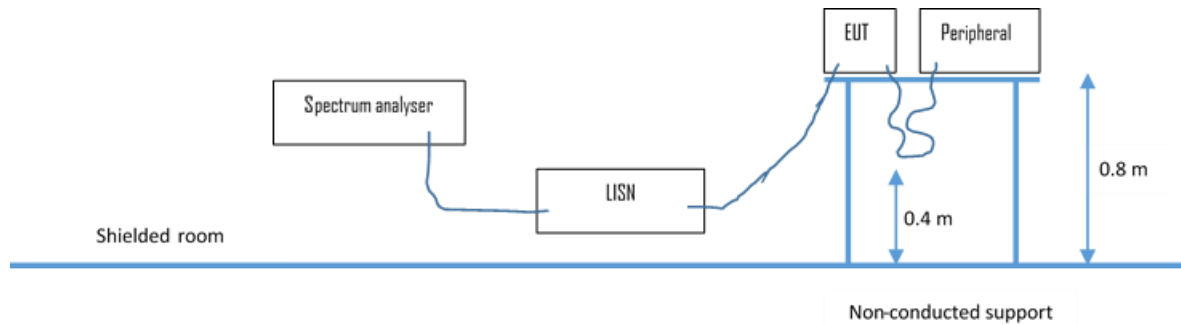
CSA Group Bayern GmbH is recognized as wireless testing laboratory under the CAB identifier:

**FCC: DE 0011
ISED: DE0009**

4.5.2 Details of test procedures

4.5.2.1 Conducted emission

Test setup according ANSI C63.4



Description of measurement

The final level, expressed in dB μ V, is arrived at by taking the reading directly from the Spectrum analyser. This level is compared to the limit.

To convert between dB μ V and μ V, the following conversions apply:

$$\text{dB}\mu\text{V} = 20(\log \mu\text{V})$$

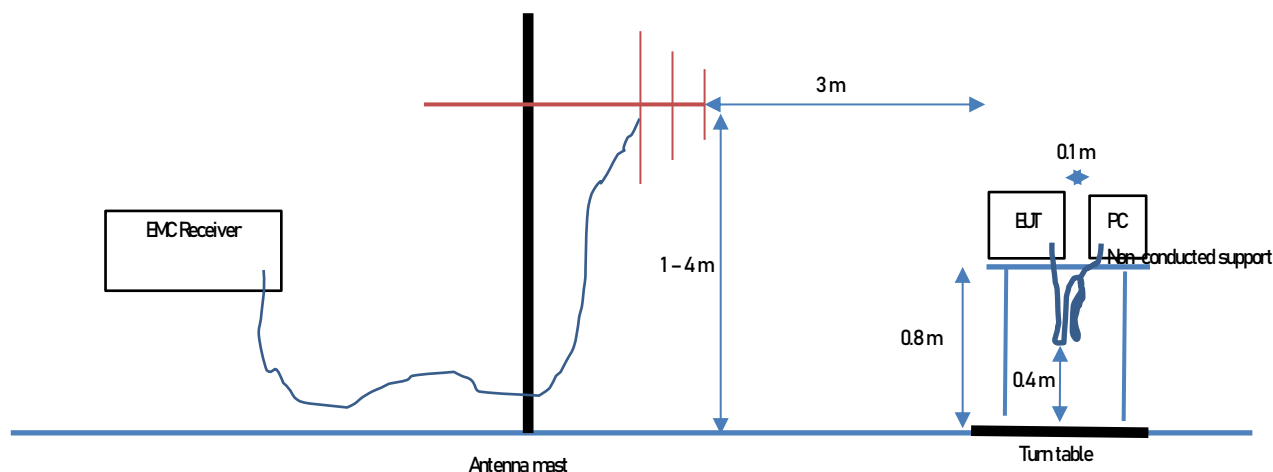
$$\mu\text{V} = \text{Inverse log}(\text{dB}\mu\text{V}/20)$$

Conducted emissions on the 50 Hz and/or 60 Hz power interface of the EUT are measured in the frequency range of 150 kHz to 30 MHz. The measurements are performed using a receiver, which has CISPR characteristic bandwidth and quasi-peak detection and a Line Impedance Stabilization Network (LISN) with 50 Ω / 50 μ H (CISPR 16) characteristics. The receiver is protected by means of an impedance matched pulse limiter connected directly to the RF input. Table top equipment is placed on a non-conducting table 80 centimetres above the floor and is positioned 40 centimetres from the vertical ground plane (wall) of the screen room. If the minimum limit margin appears to be less than 20 dB with a peak mode measurement, the emission is re-measured using a tuned receiver with quasi-peak and average detection and recorded on the data sheets.

4.5.2.2 Radiated emission

4.5.2.2.1 OATS1 test site (30 MHz - 1 GHz)

Test setup according ANSI C63.4



Description of measurement

Spurious emission from the EUT is measured in the frequency range of 30 MHz to 1000 MHz using a tuned receiver and appropriate broadband linearly polarized antennas. Measurements between 30 MHz and 1000 MHz are made with 120 kHz/6 dB bandwidth and quasi-peak detection. Table top equipment is placed on a 1.0 X 1.5 metre non-conducting table 80 centimetres above the ground plane. Floor standing equipment is placed directly on the turntable/ground plane. The setup of the equipment under test is established in accordance with ANSI C63.4. The interface cables that are closer than 40 centimetres to the ground plane are bundled in the centre in a serpentine fashion so that they are at least 40 centimetres from the ground plane. Cables to simulators/testers (if used in this test) are routed through the centre of the table and to a screened room located outside the test area.

The antenna is positioned 3 or 10 metres horizontally from the EUT. To locate maximum emissions from the test sample the antenna is varied in height from 1 to 4 metres, measurement scans are made with both horizontal and vertical antenna polarization planes and the EUT is rotated 360 degrees.

The final level is calculated in a calculation sheet by taking the reading from the EMI receiver (Level dBμV) and adding the correction factors and cable loss factor (Factor dB) on to it. The limit is subtracted from this result in order to provide the limit margin listed in the measurement protocols.

Example:

Frequency (MHz)	Reading (dBμV)	+	Correction* (dB/m)	=	Level (dBμV/m)	-	Limit (dBμV/m)	=	Dlimit (dB)
719.0	75.0	+	32.6	=	107.6	-	110.0	=	-2.4

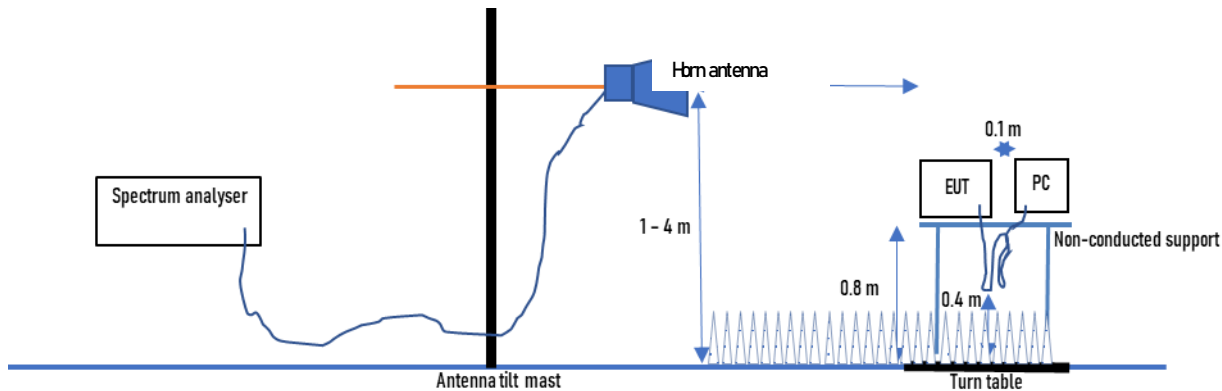
*Correction Factor = Antenna Factor + Cable Attenuation = 30 dB/m + 2.6 dB = 32.6 dB/m

The resolution bandwidth during the measurement is as follows:

30 MHz – 1000 MHz: RBW: 120 kHz

4.5.2.2.2 Anechoic chamber 1, 1000 MHz – 18000 MHz

Test setup according ANSI C63.4



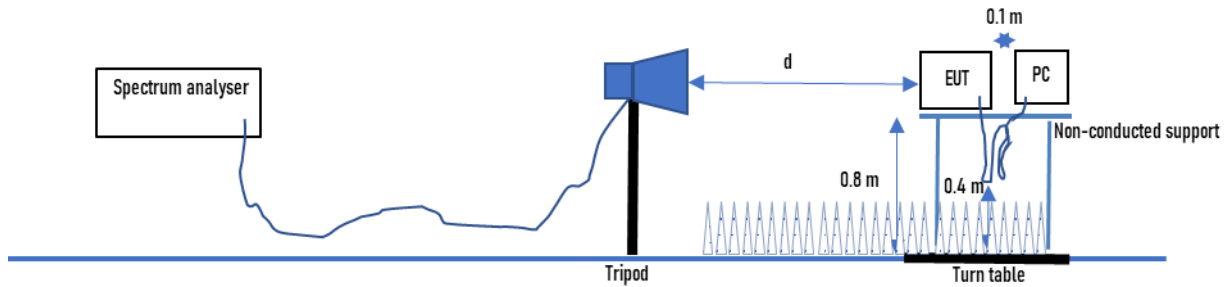
Description of measurement

Radiated emission from the EUT are measured in the frequency range of 1 GHz to the maximum frequency as specified in 47 CFR Part 15 Subpart A section 15.33, using a tuned receiver (spectrum analyser) and appropriate linearly polarized antennas. Table top equipment is placed on a 0.65 X 1.0 metre non-conducting table 80 centimetres above the ground plane. The turntable is fully covered with the appropriate absorber (Type VHP-12).

The interface cables that are closer than 40 centimetres to the ground plane are bundled in the centre in a serpentine fashion, so they are at least 40 centimetres from the ground plane. Measurements are made in both the horizontal and vertical polarization planes in a fully anechoic room using a spectrum analyser set to a peak detector function and a RBW= 1 MHz and VBW = 3 MHz. All tests are performed at a test distance of 3 metres. Hand-held or body-worn devices are rotated around three orthogonal axes in order to determine the position, angle and configuration having the maximum emission. The antenna height is then adjusted from 1 m to 4 m maximizing the measured value. The antenna is mounted to a boresight axis, so the antenna centre always points to the EUT. The turntable is rotated 360° until the spectrum analyser displays the maximum level at the observed frequency. The antenna height is then adjusted from 1 m to 4 m maximizing the measured value. The turntable is re-adjusted to re-affirm the maximum emission value which is then recorded. This procedure is repeated for all frequencies of interest.

4.5.2.2.3 Anechoic chamber 1, 18 GHz – 40 GHz

Test setup according ANSI C63.4



Description of measurement

Radiated emission from the EUT are measured in the frequency range of 1 GHz to the maximum frequency as specified in 47 CFR Part 15 Subpart A section 15.33, using a tuned receiver (spectrum analyser) and appropriate linearly polarized antennas. Table top equipment is placed on a 0.65 X 1.0 metre non-conducting table 80 centimetres above the ground plane. The turntable is fully covered with the appropriate absorber (Type VHP-12).

The interface cables that are closer than 40 centimetres to the ground plane are bundled in the centre in a serpentine fashion, so they are at least 40 centimetres from the ground plane. Measurements are made in both the horizontal and vertical polarization planes in a fully anechoic room using a spectrum analyser set to a peak detector function and an RBW= 1 MHz and VBW = 3 MHz. All tests are performed at a test distance of 3 metres. Hand-held or body-worn devices are rotated around three orthogonal axes in order to determine the position, angle and configuration having the maximum emission. The turntable is rotated 360° until the spectrum analyser displays the maximum level at the observed frequency, the maximum emission value is then recorded. This procedure is repeated for all frequencies of interest.

Where appropriate in frequency range 18 GHz - 40 GHz, the test distance may be reduced to 1 m in order to reduce the noise level to hold a minimum distance between noise level and limit. The limit will be adopted to the measurement distance.

5 TEST CONDITIONS AND RESULTS

5.1 Conducted emission

For test instruments and accessories used see section 6 Part A 4.

5.1.1 Description of the test location

Test location: Shielded Room S2

5.1.2 Test result

Frequency range: 0.15 MHz - 30 MHz
Min. limit margin -12.92 dB @ 0.1725 MHz

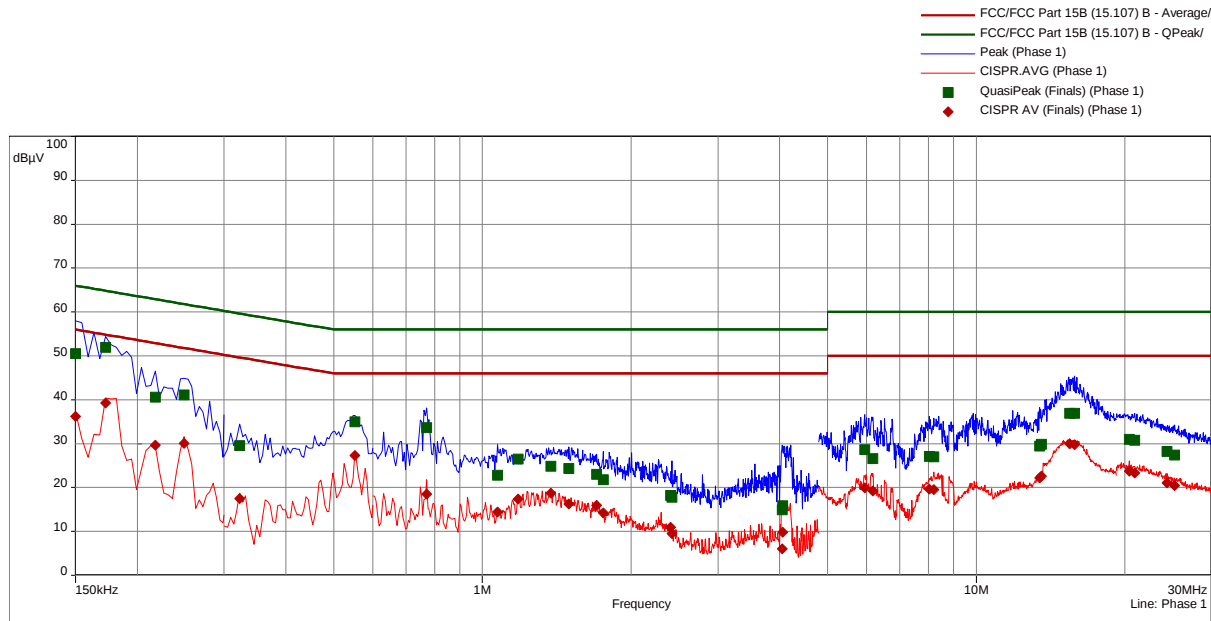
The requirements are **FULFILLED**.

Remarks: For detailed results, please see the following page(s).

For description of the measurement see 4.5.2.

The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test results without the written permission of the test laboratory.

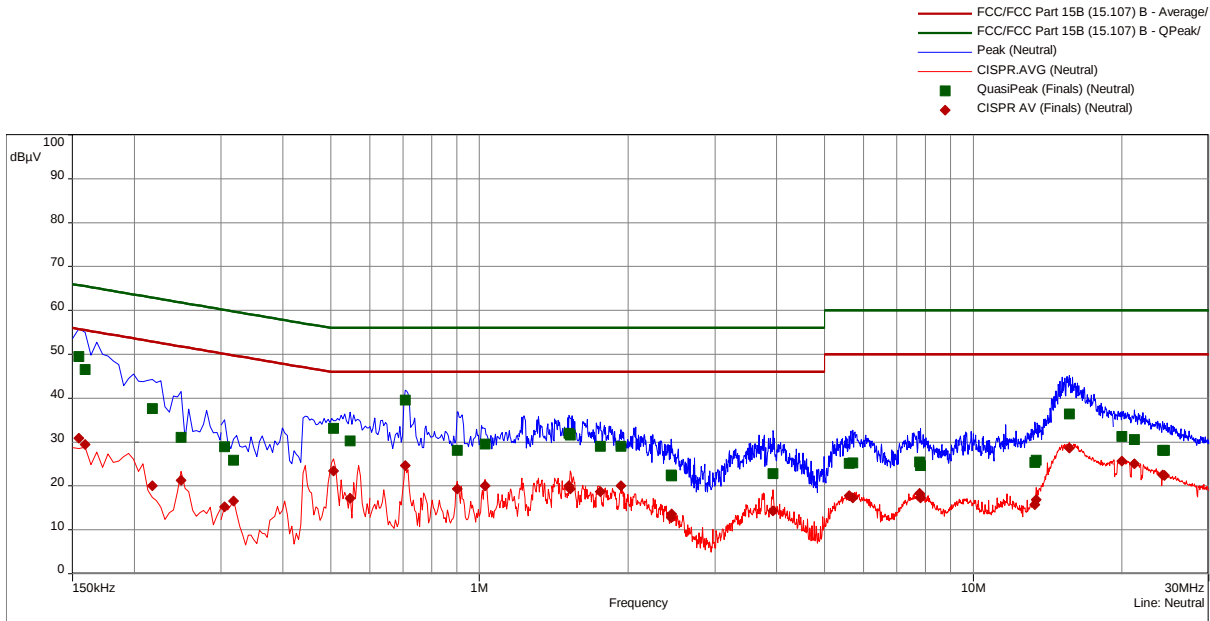
5.1.3 Test protocol



FCC/FCC Part 15B (15.107)B

freq	SR	QP	margin	limit	AV	margin	limit	line	corr
MHz		dB(μV)	dB	dB	dB(μV)	dB	dB		dB
0.15	1	50.47	-15.53	66	36.16	-19.84	56	Phase 1	10.08
0.1725	1	51.92	-12.92	64.8	39.27	-15.57	54.8	Phase 1	10.09
0.2175	1	40.62	-22.29	62.9	29.7	-23.22	52.9	Phase 1	10.10
0.249	1	41.13	-20.66	61.8	30.07	-21.72	51.8	Phase 1	10.11
0.3225	2	29.56	-30.08	59.6	17.51	-32.13	49.6	Phase 1	10.14
0.552	2	35.01	-20.99	56	27.32	-18.68	46	Phase 1	10.17
0.771	3	33.64	-22.36	56	18.47	-27.53	46	Phase 1	10.19
1.0725	3	22.85	-33.15	56	14.4	-31.6	46	Phase 1	10.19
1.1805	3	26.5	-29.5	56	17.41	-28.59	46	Phase 1	10.21
1.3755	4	24.88	-31.12	56	18.7	-27.3	46	Phase 1	10.23
1.497	4	24.32	-31.68	56	16.3	-29.7	46	Phase 1	10.24
1.704	4	22.97	-33.03	56	15.93	-30.07	46	Phase 1	10.25
1.758	4	21.8	-34.2	56	14.19	-31.81	46	Phase 1	10.25
2.4045	5	18.21	-37.79	56	10.99	-35.01	46	Phase 1	10.29
2.4225	5	17.79	-38.21	56	9.51	-36.49	46	Phase 1	10.29
4.047	5	14.98	-41.02	56	6.07	-39.93	46	Phase 1	10.37
4.056	5	15.82	-40.18	56	9.87	-36.13	46	Phase 1	10.37
5.952	6	28.6	-31.4	60	19.97	-30.03	50	Phase 1	10.47
6.177	6	26.56	-33.44	60	19.28	-30.72	50	Phase 1	10.49
8.0355	6	27.1	-32.9	60	19.68	-30.32	50	Phase 1	10.54
8.2065	6	27	-33	60	19.57	-30.43	50	Phase 1	10.55
13.448	7	29.45	-30.55	60	22.2	-27.8	50	Phase 1	10.82
13.56	7	29.86	-30.14	60	22.64	-27.36	50	Phase 1	10.82

15.464	7	36.96	-23.04	60	30.01	-19.99	50	Phase 1	10.85
15.815	7	36.91	-23.09	60	29.75	-20.25	50	Phase 1	10.85
20.424	8	30.98	-29.02	60	23.75	-26.25	50	Phase 1	10.96
20.955	8	30.8	-29.2	60	23.34	-26.66	50	Phase 1	10.97
24.353	8	28.22	-31.78	60	21.08	-28.92	50	Phase 1	11.02
25.212	8	27.4	-32.6	60	20.51	-29.49	50	Phase 1	10.99



FCC/FCC Part 15B (15.107)B

freq	SR	QP	margin	limit	AV	margin	limit	line	corr
MHz		dB(μV)	dB	dB	dB(μV)	dB	dB		dB
0.1545	9	49.53	-16.22	65.8	30.92	-24.84	55.8	Neutral	10.14
0.159	9	46.55	-18.97	65.5	29.46	-26.06	55.5	Neutral	10.14
0.2175	9	37.65	-25.27	62.9	20.03	-32.89	52.9	Neutral	10.15
0.249	9	31.06	-30.73	61.8	21.29	-30.5	51.8	Neutral	10.16
0.3045	10	28.99	-31.12	60.1	15.22	-34.9	50.1	Neutral	10.17
0.318	10	25.85	-33.91	59.8	16.56	-33.2	49.8	Neutral	10.17
0.507	10	33.18	-22.82	56	23.46	-22.54	46	Neutral	10.17
0.5475	10	30.31	-25.69	56	17.18	-28.82	46	Neutral	10.17
0.708	11	39.6	-16.4	56	24.61	-21.39	46	Neutral	10.19
0.9015	11	28.14	-27.86	56	19.3	-26.7	46	Neutral	10.22
1.0275	11	29.61	-26.39	56	20.07	-25.93	46	Neutral	10.24
1.5195	12	31.98	-24.02	56	20.04	-25.96	46	Neutral	10.29
1.5285	12	31.63	-24.37	56	19.31	-26.69	46	Neutral	10.29
1.758	12	29.03	-26.97	56	18.76	-27.24	46	Neutral	10.29
1.9335	12	29.08	-26.92	56	20.08	-25.92	46	Neutral	10.28
2.445	13	22.54	-33.46	56	12.79	-33.21	46	Neutral	10.32
2.4495	13	22.26	-33.74	56	13.56	-32.44	46	Neutral	10.32
3.9345	13	22.82	-33.18	56	14.31	-31.69	46	Neutral	10.38

5.61	14	25.18	-34.82	60	17.79	-32.21	50	Neutral	10.48
5.7	14	25.27	-34.73	60	17.32	-32.68	50	Neutral	10.48
7.7835	14	25.45	-34.55	60	18.27	-31.73	50	Neutral	10.57
7.8285	14	24.64	-35.36	60	17.33	-32.67	50	Neutral	10.57
13.317	15	25.34	-34.66	60	15.75	-34.25	50	Neutral	10.85
13.425	15	25.88	-34.12	60	16.87	-33.13	50	Neutral	10.86
15.644	15	36.39	-23.61	60	28.67	-21.33	50	Neutral	10.90
19.988	16	31.34	-28.66	60	25.66	-24.34	50	Neutral	11.08
21.185	16	30.59	-29.41	60	25.03	-24.97	50	Neutral	11.06
24.213	16	28.09	-31.91	60	22.54	-27.46	50	Neutral	10.97
24.398	16	28.12	-31.88	60	22.41	-27.59	50	Neutral	10.97

5.2 Radiated emission < 1 GHz (electric field)

For test instruments and accessories used see section 6 Part A 5.

5.2.1 Description of the test location

Test location: OATS 1
Test distance: 3 m

5.2.2 Test result

Frequency range: 30 MHz - 1000 MHz
Min. limit margin: -11 dB

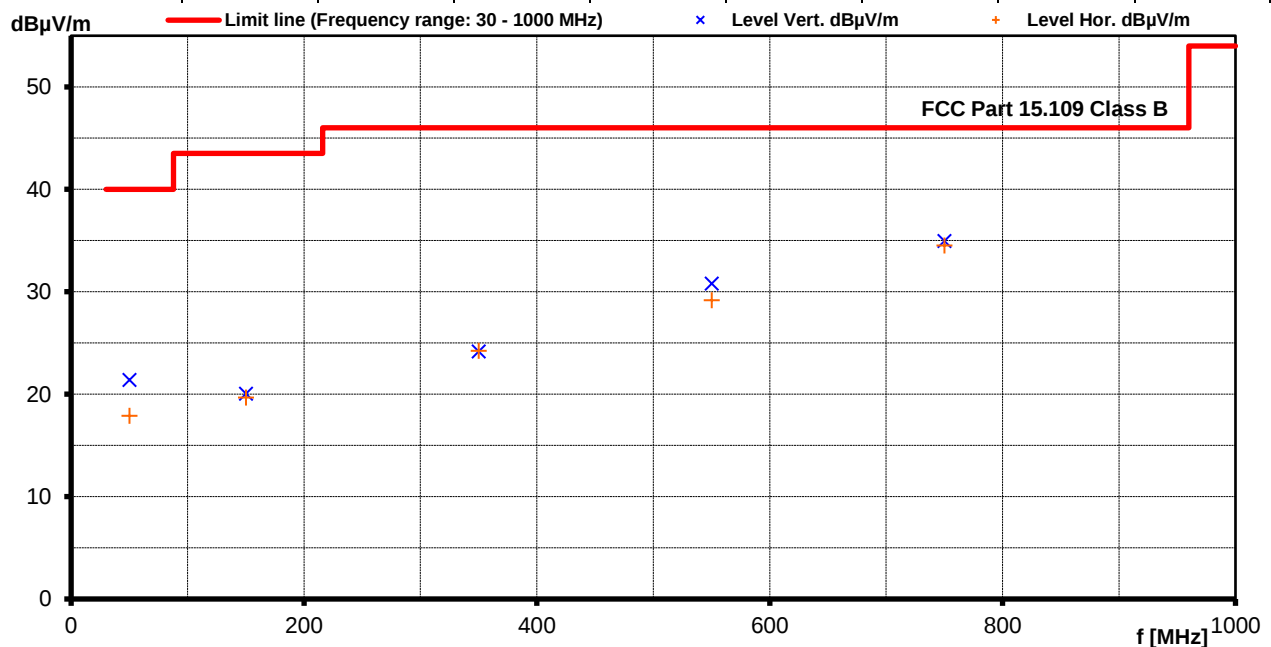
The requirements are **FULFILLED**.

Remarks: For detailed results, please see the following page(s).

For description of the measurement see 4.5.2.

5.2.3 Test protocol

Frequency (MHz)	Reading Vert. (dBμV)	Reading Hor. (dBμV)	Correct. Vert. (dB)	Correct. Hor. (dB)	Level Vert. (dBμV/m)	Level Hor. (dBμV/m)	Limit (dBμV/m)	Dlimit (dB)
50.00	6.2	3.7	15.2	14.2	21.4	17.9	40.0	-18.6
150.00	6.1	4.9	13.9	14.8	20.0	19.7	43.5	-23.5
350.00	5.8	6.2	18.4	18.0	24.2	24.2	46.0	-21.8
550.00	6.8	5.4	24.0	23.8	30.8	29.2	46.0	-15.2
750.00	6.7	6.8	28.3	27.7	35.0	34.5	46.0	-11.0



5.3 Radiated emission > 1 GHz (electric field)

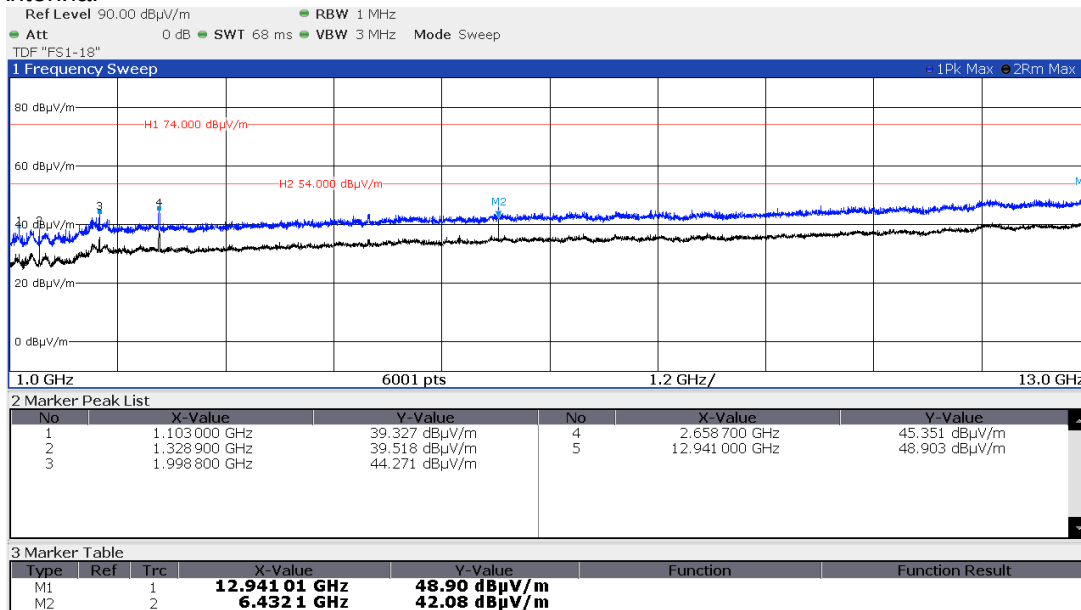
For test instruments and accessories used see section 6 Part SER 3.

5.3.1 Description of the test location

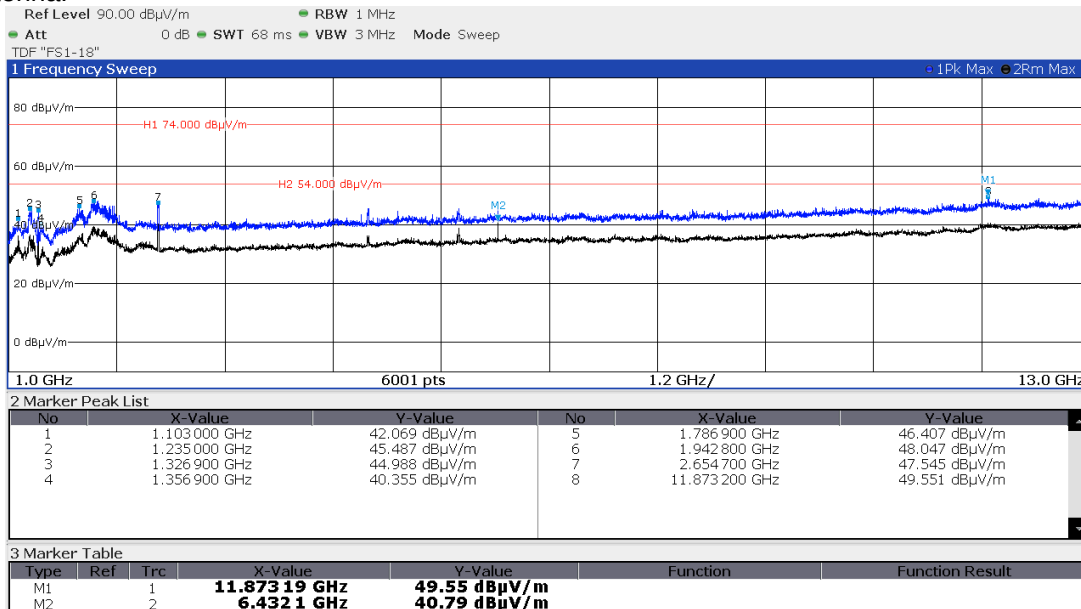
Test location: Anechoic chamber 1
Test distance: 3 m

5.3.1 Test protocol

Horizontal Antenna:



Vertical Antenna:



The requirements are **FULFILLED**.

Remarks: For detailed results, please see the following page(s).

For description of the measurement see 4.5.2.

6 USED TEST EQUIPMENT AND ACCESSORIES

All test instruments used, in addition to the test accessories, are calibrated and verified regularly.

Test ID	Model Type	Kind of Equipment	Manufacturer	Equipment No.	Next Calib.	Last Calib.	Next Verif.	Last Verif.
A 4	BAT-EMC 2022.0.23.0	Nexio Software	EMCO Elektronik GmbH		01-02/68-13-001			
	ESCI	EMI Test Receiver	Rohde & Schwarz München		02-02/03-15-001	17/06/2023	17/06/2022	
	ESH 2 - Z 5	LISN	Rohde & Schwarz München		02-02/20-05-004	13/10/2025	13/10/2022	17/10/2023
	17/04/2023							
	N-4000-BNC	RF Cable	CSA Group Bayern GmbH		02-02/50-05-138			
	ESH 3 - Z 2	Pulse Limiter	Rohde & Schwarz München		02-02/50-05-155	09/11/2025	09/11/2022	09/05/2023
	09/11/2022							
SER 2	ESVS 30	EMI Test Receiver	Rohde & Schwarz München		02-02/03-05-006	27/07/2023	27/07/2022	
	VULB 9168	Trilog Broadband Antenn	Schwarzbeck Mess-Elektron		02-02/24-05-005	20/04/2024	20/04/2023	03/07/2023
	03/07/2022							
	NW-2000-NB	RF Cable	Huber + Suhner		02-02/50-05-113			
	KK-EF393/U-16N-21N20 m	RF Cable 20m	Huber + Suhner		02-02/50-12-018			
	KK-SD_7/8-2X21N-33,0M	RF Cable 33 m	Huber + Suhner AG		02-02/50-15-028			
	50F-003 N 3 dB	Dämpfungsglied 3dB_5	Tactron Elektronik		02-02/50-21-010			
SER 3	FSW43	Spectrum Analyser	Rohde & Schwarz München		02-02/11-15-001	04/05/2024	04/05/2023	
	AMF-6D-01002000-22-10P	RF Amplifier	MITEQ, Inc.		02-02/17-15-004			
	LNA-40-18004000-33-5P	Amplifier 18-40 GHz	MITEQ, Inc.		02-02/17-20-002			
	3117	Horn Antenna 1 - 18 GH	EMCO Elektronik GmbH		02-02/24-05-009	23/06/2023	23/06/2022	
	BBHA 9170	SHF-EHF Horn Antenna	Schwarzbeck Mess-Elektron		02-02/24-05-013	21/03/2026	21/03/2023	21/03/2024
	21/03/2023							
	BAM 4.5-P	Antenna Mast	maturo GmbH		02-02/50-17-024			
	NCD	Controller for Antenna M	maturo GmbH		02-02/50-17-025			
	KK-SF106-2X11N-6,5M	RF Cable	Huber + Suhner		02-02/50-18-016			
	KMS116-GL140SE-KMS116	Cable DC-40GHz	GigaLane Co., Ltd.		02-02/50-20-026			
	BAT-EMC 2022.0.23.0	Nexio Software	EMCO Elektronik GmbH		02-02/68-13-001			

7 Detailed measurement uncertainty

7.1 Overview

Measurement instrumentation uncertainty shall be taken into account when determining compliance or non-compliance with a disturbance limit.

The measurement instrumentation uncertainty for a test laboratory shall be evaluated. The standard uncertainty $u(x_i)$ in decibels and the sensitivity coefficient c_i shall be evaluated for the estimate x_i of each quantity. The combined standard uncertainty $u_c(y)$ of the estimate y of the measurand shall be calculated as

$$u_c(y) = \sqrt{\sum_i c_i^2 u^2(x_i)}$$

The expanded measurement instrumentation uncertainty U_{lab} for a test laboratory shall be calculated as $U_{lab} = 2 u_c(y)$

$$U_{lab} = 2 u_c(y)$$

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If U_{lab} is less than or equal to U_{cispr} in the table below, then:

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} in the table below, then:

- compliance is deemed to occur if no measured disturbance, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.
- non-compliance is deemed to occur if any measured disturbance, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

7.2 Definitions and symbols

X_i	Input quantity
x_i	estimate of X_i
$u(x_i)$	standard uncertainty of x_i
c_i	sensitivity coefficient
$u_c(y)$	(combined) standard uncertainty of y
Y	result of a measurement, (the estimate of the measured), corrected for all recognised significant systematic effects
U	expanded uncertainty of y

7.3 Measurement uncertainty

Measurement	U_{lab} [dB]
Conducted disturbance	+ 2.53 / - 2.77
Radiated disturbance (electric field)	
- 10 m test distance	+ 3.16 / - 3.22
- 3 m test distance	+ 3.16 / - 3.22
- Frequency range: 30 MHz – 200 MHz	
Radiated disturbance (electric field)	
- 10 m test distance	+ 4.51 / - 4.51
- 3 m test distance	+ 4.51 / - 4.51
- Frequency range: 200 MHz – 1000 MHz	
Radiated disturbance (electric field)	
- 3 m test distance	+ 5.07 / - 3.70
- Frequency range: 1 GHz – 30 GHz	