EMI – TEST REPORT

- FCC Part 15.209, RSS-GEN -

Type / Model Name	:	G7129B
Product Description	:	Vialsampler
Applicant	:	Agilent Technologies Deutschland GmbH
Address	:	Hewlett-Packard-Strasse 8
		76337 Waldbronn, Baden-Württemberg
		GERMANY
Manufacturer	:	Agilent Technologies Singapore (International) Pte. Ltd.
Address	:	No. 1 Yishun Ave 7
		SINGAPORE 768923
		SINGAPORE

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

Test Report No. : 80192408-00 Rev_1	16. October 2024 Date of issue

Deutsche Akkreditierungsstelle D-PL-12030-01-00

CSA Group Bayern GmbH
Straubinger Straße 100 · 94447 Plattling · GERMANY
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FCC ID: 2BGE529G7129X IC ID: 32551-29G7129X

Contents

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1 TEST STANDARDS

The tests were performed according to following standards:

FCC Rules and Regulations Part 15, Subpart A - General (January 2024)

FCC Rules and Regulations Part 15, Subpart C - Intentional Radiators (January 2024)

Part 15, Subpart C, Section 15.207	Conducted limits
Part 15, Subpart C, Section 15.209	Radiated emission limits, general requirements

RSS Rules and Regulations

RSS-Gen, Issue 5, March 2018 Amendment 1 (March 2019) Amendment 2 (February 2021)	General Requirements and Information for the Certification of Radiocommunication Equipment
RSS-210, Issue 11, June 2024	Licence-Exempt Radio Apparatus: Category I Equipment
ANSI C63.10: 2013	Testing Unlicensed Wireless Devices

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2 EQUIPMENT UNDER TEST

2.1 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.

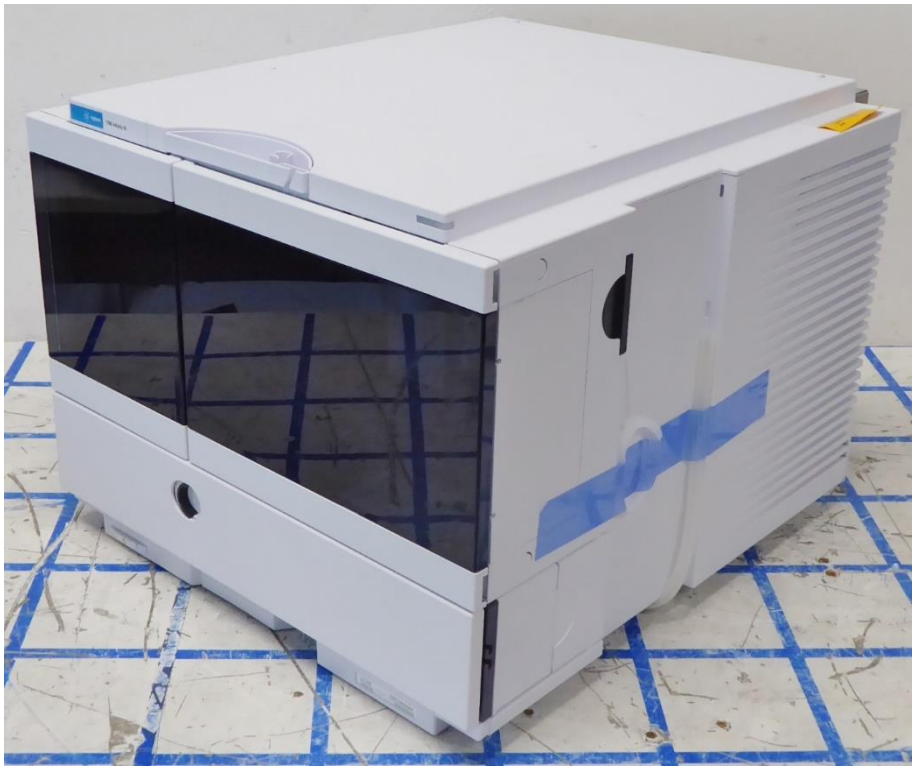
2.2 Sampling

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

2.3 Photo documentation of the EUT

Detailed photos see ATTACHMENT A and ATTACHMENT C

ATTACHMENT A: External views
ATTACHMENT B: Internal views
ATTACHMENT C: Test setup



2.4 Short description of the equipment under test (EUT)

The EUT is an autosampler designed for UHPLC applications up to 1300 bar.

Two internal 125 kHz antennas are located in the device. The TAG reader reads sequencially each antenna.

Number of tested samples: 1
Serial number: DEBA908663

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2.5 Variants of the EUT

According to the customer, there are other variants of this device.
It is expressly pointed out here, that no measurements have been carried out on these devices!

G7129A Autosampler is designed for applications up to 600 bar, 10ml/min
G7129C Vialsampler is designed for UHPLC applications up to 800 bar, 10ml/min

2.6 EUT operation mode

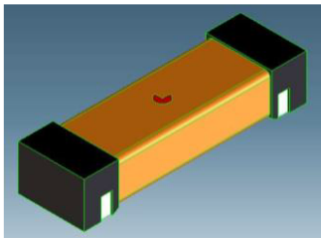
The equipment under test was operated during the measurement under the following conditions:

- Cont. TAG reading at 125 kHz (all antennas are read sequentially)

2.7 Antenna

Antenna: 125KHz

9140-5210 PCB Mountable Part • IND-FXD 900uH 5% 10mA 3.6X11.8mm SMT (Premo P/N SDTR1103-0090)



2.8 EUT configuration

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

-	5 Port Gigabit Switch	Model :	Netgear – GS105 v4
-	Measurement Laptop	Model :	HP – EliteBook 840 (CSA No.:01-01/01-15-019)
-		Model :	

2.9 Power supply system utilised

Power supply voltage : 100 – 240 V AC, 50 or 60 Hz

All tests were carried out with a supply voltage of 120 V, 60 Hz unless otherwise stated. Exceptions are described in the detailed test conditions.

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3 TEST RESULT SUMMARY

FCC Rule Part	RSS Rule Part	Description	Result
15.207	RSS-Gen, 8.8 RSS-210, 7	AC power line conducted emissions	passed
15.209	RSS-Gen, 8.9 RSS-210, 7	Field strength of fundamental	passed
15.209	RSS-Gen, 8.9 RSS-210, 7	Spurious emissions	passed
15.215	RSS-Gen, 6.7 RSS-210, 7	Occupied bandwidth	passed

3.1 Revision history of test report

Test report No	Rev.	Issue Date	Changes
80192408-00	0	25 September 2024	Initial test report
80192408-00	1	16 October 2024	Changes in point 2.5 (Variants of the EUT)

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

3.2 FINAL ASSESSMENT

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

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

Testing commenced on : 10 January 2024

Testing concluded on : 05 February 2024

Checked by:

Klaus Gegenfurtner
2024.10.16
13:50:47 +02'00'

Klaus Gegenfurtner
Teamleader Radio

Tested by:

Josef Knab
2024.10.16
13:42:58 +02'00'

Josef Knab
Radio Team

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.

Measurement Type	Range	Confidence Level (%)	Calculated Uncertainty
AC Conducted Spurious Emissions	0.15 MHz to 30 MHz	95%	± 3.29 dB
20 dB Bandwidth	Center frequency of EuT	95%	± 2.5 10^{-7}
99% Occupied Bandwidth	Center frequency of EuT	95%	± 2.5 10^{-7}
Radiated Spurious Emissions	9 kHz to 30 MHz	95%	± 3.53 dB
Radiated Spurious Emissions	30 MHz to 1000 MHz	95%	± 3.71 dB
Radiated Spurious Emissions	1000 MHz to 10000 MHz	95%	± 2.34 dB
Peak conducted output power	902 MHz to 928 MHz	95%	± 0.35 dB
Conducted Spurious Emissions	9 kHz to 10000 MHz	95%	± 2.15 dB

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 General Standard information

The test methods used comply with ANSI C63.10 - "Testing Unlicensed Wireless Devices".

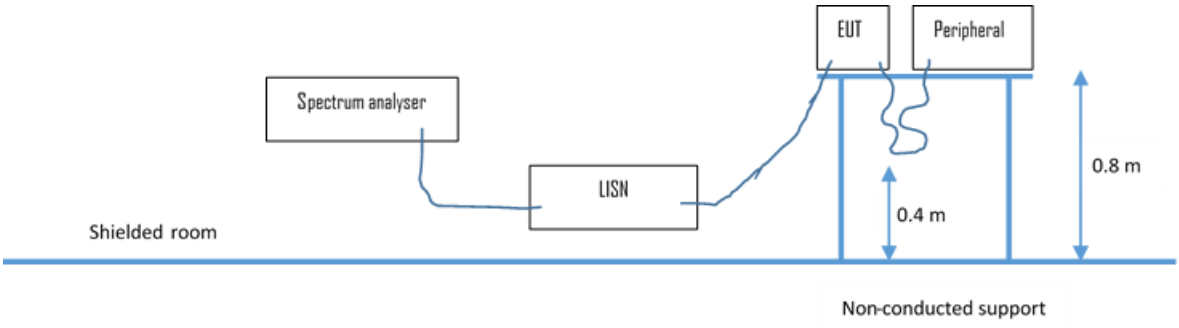
4.5.2.1 Justification

The equipment under test (EUT) is configured in a typical user arrangement in accordance with the manufacturer's instructions.

4.5.3 Details of test procedures

4.5.3.1 Conducted emission

Test setup according ANSI C63.10



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

To convert between dBμV and μV, the following conversions apply:

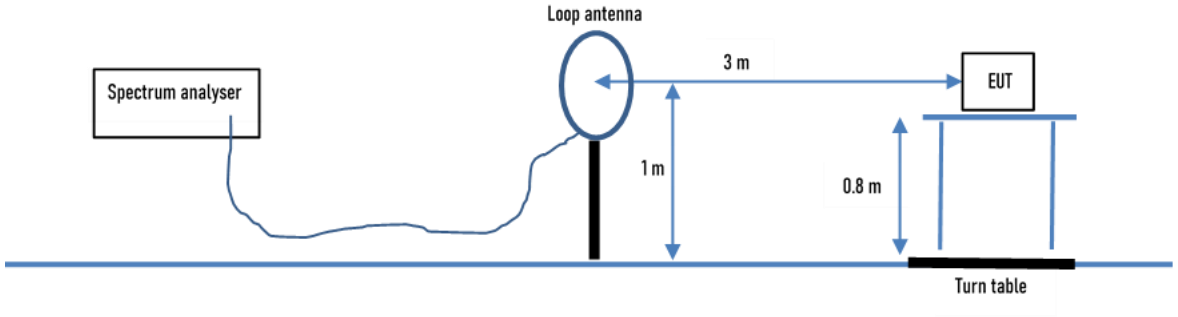
dBμV = 20(log μV)
μV = Inverse log(dBμV/20)

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 μH (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.

4.5.3.2 Radiated emission

4.5.3.2.1 OATS1 test site (9 kHz - 30 MHz):

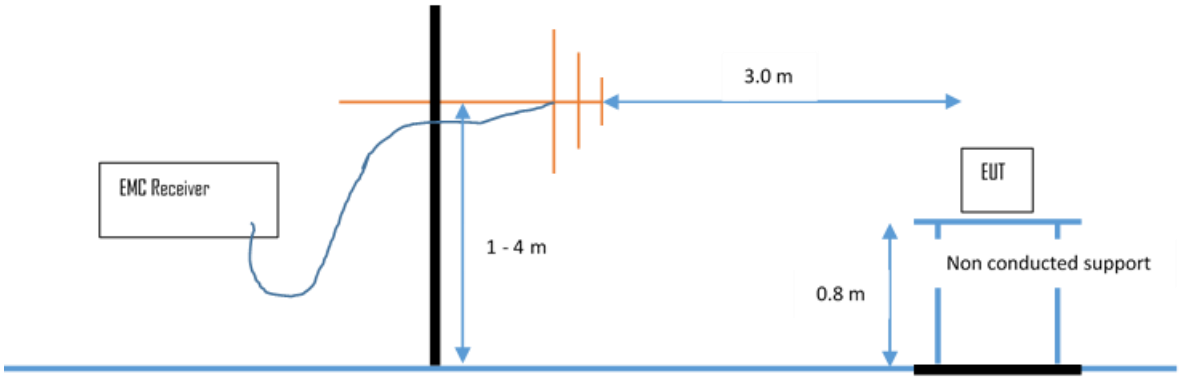
Test setup according ANSI C63.10



Emissions from the EUT are measured in the frequency range of 9 MHz to 30 MHz using a tuned receiver and a calibrated loop antenna. Table top equipment is placed on a 1.0 X 1.5 m non-conducting table 80 centimetres above the ground plane. Cables to simulators/testers (if used in this test) are routed through the center of the table and to a screened room located outside the test area. The antenna is positioned 3, 10 or 30 metres horizontally from the EUT and is repeated vertically. To locate maximum emissions from the test sample the antenna is varied along the site axis and the EUT is rotated 360 degrees.

4.5.3.2.2 OATS1 test site (30 MHz - 1 GHz):

Test setup according ANSI C63.10.



Spurious emissions from the EUT are measured in the frequency range of 30 MHz to 1000 MHz using a tuned receiver and appropriate broadband linearly polarised 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 m non-conducting table 80 centimetres above the ground plane. Floor standing equipment is placed directly on the turntable/ground plane. Cables to simulators/testers (if used in this test) are routed through the center of the table and to a screened room located outside the test area. To locate maximum emissions from the test sample the antenna is varied in height from 1 to 4 metres and the EUT is rotated 360 degrees. The final level in dBµV/m is calculated by taking the reading from the EMI receiver (Level dBµV) and adding the correction factors and cable loss factor (dB). The FCC limit is subtracted from this result in order to provide the limit margin listed in the measurement protocol.

The resolution bandwidth setting:
30 MHz – 1000 MHz: RBW: 120 kHz

Example:

Frequency (MHz)	Level (dBµV)	+	Factor (dB)	=	Level (dBµV/m)	-	Limit (dBµV/m)	=	Delta (dB)
719.0	75.0	+	32.6	=	107.6	-	110.0	=	-2.4

5 TEST CONDITIONS AND RESULTS

5.1 Conducted emissions

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 Photo documentation of the test set-up

See ATTACHMENT C to this test report.

5.1.3 Applicable standard

FCC Part 15, Section 15.207 / RSS-GEN, Section 8.8

5.1.4 Description of Measurement

The radiated power of the spurious emission from the EUT is measured in a test setup following the procedures set out in ANSI C63.10.

5.1.5 Test result

Frequency range: 0.15 MHz - 30 MHz

Min. limit margin 6.0 dB at 485.25 kHz

Limit according to FCC Part 15, Section 15.207:
Limit according to RSS-GEN, Section 8.8:

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

The requirements are **FULFILLED.**

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

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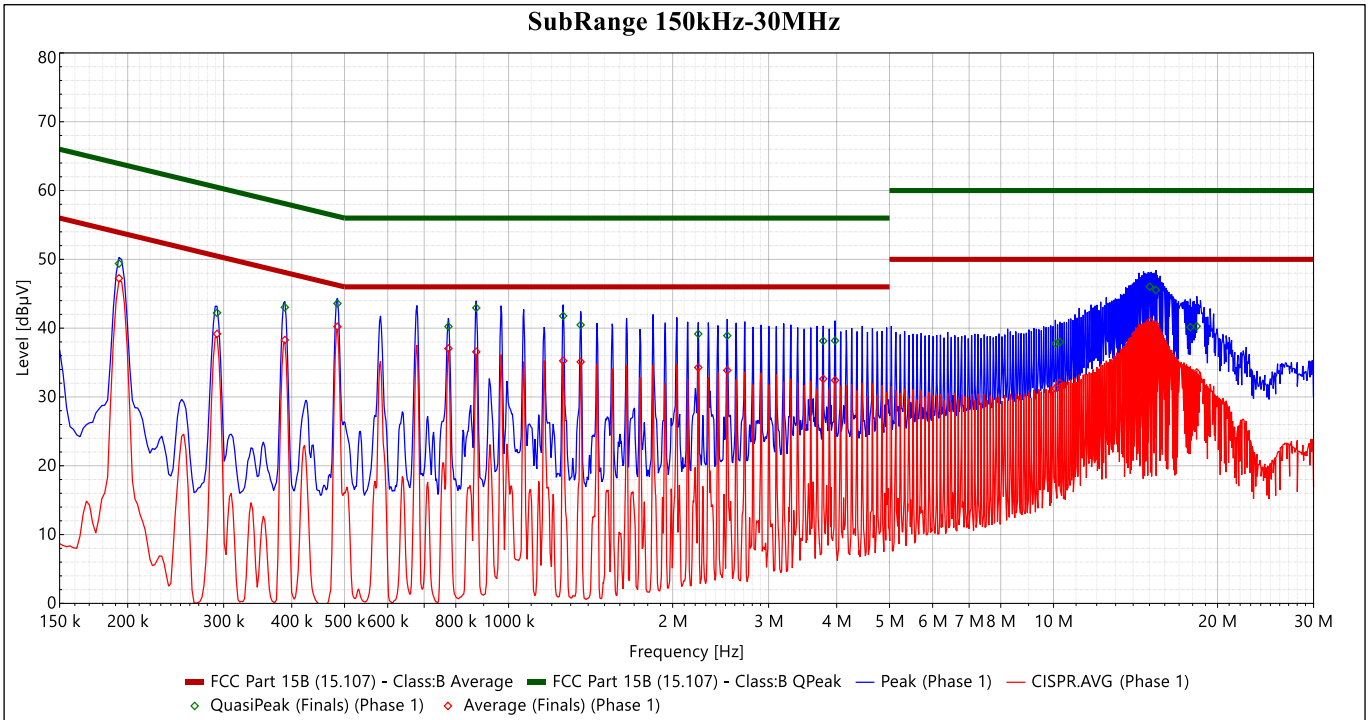
5.1.6 Test protocol

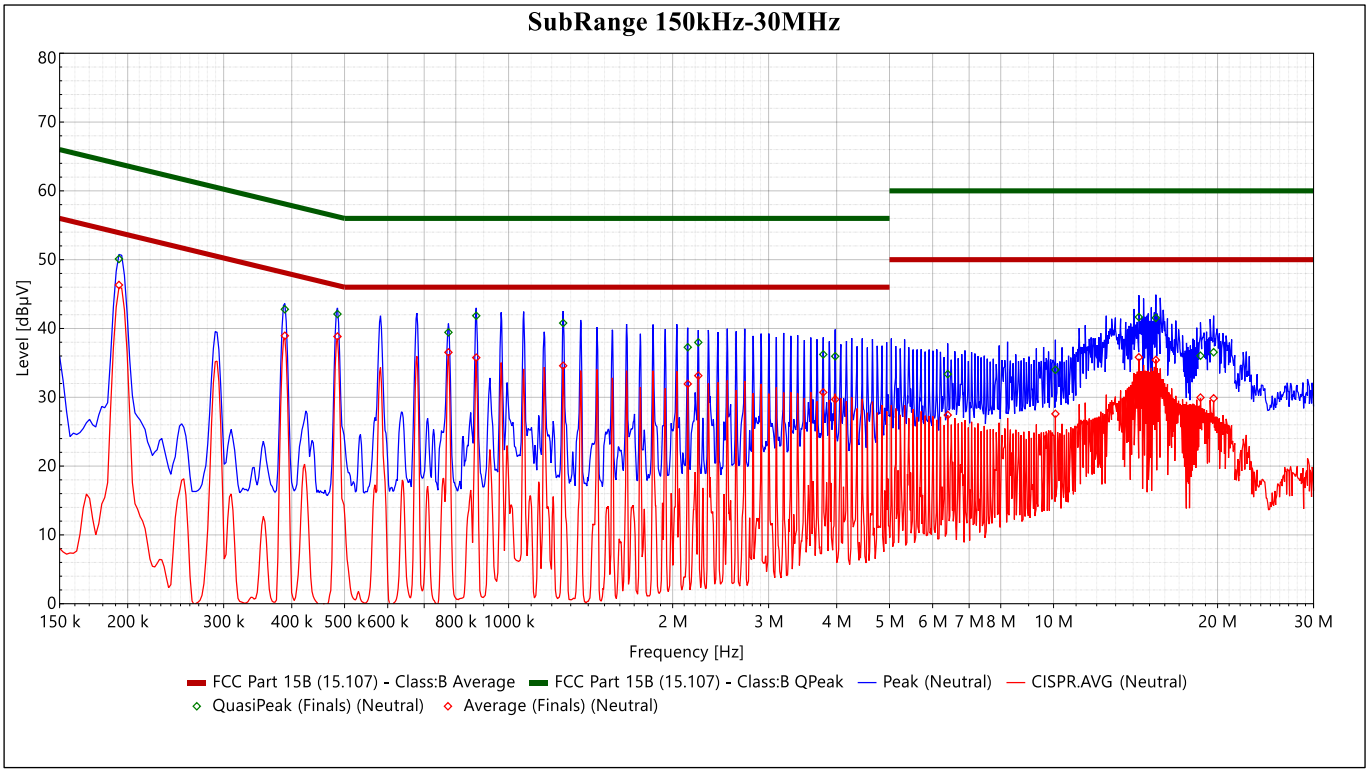
File No.:	80192408-00 Rev_1	**Result:**	**PASS**
Operation mode:	Cont. TAG reading at 125 kHz		
Tested by:	KJ	**Nexio Version:**	2022.0.32.0
Location:	S2	**Date:**	07.02.2024 11:41:38
Remarks:	Test point L1		



Frequency (Hz)	QuasiPeak (dBµV)	QP Margin	QP Limit (dBµV)	Average (dBµV)	AV Margin	AV Limit (dBµV)	Line	Correction (dB)
192.75 k	49.393	14.524	63.917	47.237	6.68	53.917	Phase 1	9000
291.75 k	42.232	18.243	60.474	39.167	11.307	50.474	Phase 1	9000
388.5 k	43.03	15.065	58.096	38.283	9.812	48.096	Phase 1	9000
485.25 k	43.587	12.662	56.249	40.211	6.037	46.249	Phase 1	9000
775.5 k	40.243	15.757	56	37.039	8.961	46	Phase 1	9000
872.25 k	42.953	13.047	56	36.561	9.439	46	Phase 1	9000
1.25925 M	41.778	14.222	56	35.25	10.75	46	Phase 1	9000
1.356 M	40.473	15.527	56	35.098	10.902	46	Phase 1	9000
2.229 M	39.157	16.843	56	34.283	11.717	46	Phase 1	9000
2.51925 M	38.908	17.092	56	33.87	12.13	46	Phase 1	9000
3.77925 M	38.146	17.854	56	32.632	13.368	46	Phase 1	9000
3.97275 M	38.194	17.806	56	32.419	13.581	46	Phase 1	9000
10.07925 M	37.769	22.231	60	31.241	18.759	50	Phase 1	9000
10.2705 M	37.978	22.022	60	32.058	17.942	50	Phase 1	9000
15.018 M	46.027	13.973	60	41.013	8.987	50	Phase 1	9000
15.40725 M	45.545	14.455	60	40.493	9.507	50	Phase 1	9000
17.826 M	40.137	19.863	60	33.598	16.402	50	Phase 1	9000
18.312 M	40.282	19.718	60	33.564	16.436	50	Phase 1	9000

FCC ID: 2BGE529G7129X IC ID: 32551-29G7129X

File No.:	80192408-00 Rev_1	**Result:**	**PASS**
Operation mode:	Cont. TAG reading at 125 kHz		
Tested by:	KJ	**Nexio Version:**	2022.0.32.0
Location:	S2	**Date:**	07.02.2024 11:41:38
Remarks:	Test point N		



Frequency (Hz)	QuasiPeak (dBµV)	QP Margin	QP Limit (dBµV)	Average (dBµV)	AV Margin	AV Limit (dBµV)	Line	Correction (dB)
192.75 k	50.096	13.821	63.917	46.315	7.602	53.917	Neutral	9000
388.5 k	42.787	15.309	58.096	38.944	9.152	48.096	Neutral	9000
485.25 k	42.097	14.152	56.249	38.827	7.422	46.249	Neutral	9000
775.5 k	39.436	16.564	56	36.525	9.475	46	Neutral	9000
872.25 k	41.851	14.149	56	35.761	10.239	46	Neutral	9000
1.25925 M	40.786	15.214	56	34.584	11.416	46	Neutral	9000
2.13225 M	37.265	18.735	56	31.936	14.064	46	Neutral	9000
2.229 M	37.978	18.022	56	33.142	12.858	46	Neutral	9000
3.77925 M	36.227	19.773	56	30.713	15.287	46	Neutral	9000
3.975 M	35.96	20.04	56	29.69	16.31	46	Neutral	9000
6.396 M	33.373	26.627	60	27.418	22.582	50	Neutral	9000
10.07925 M	34.002	25.998	60	27.585	22.415	50	Neutral	9000
14.34075 M	41.659	18.341	60	35.816	14.184	50	Neutral	9000
15.40725 M	41.545	18.455	60	35.421	14.579	50	Neutral	9000
18.6045 M	36.036	23.964	60	29.963	20.037	50	Neutral	9000
19.66875 M	36.55	23.45	60	29.854	20.146	50	Neutral	9000

5.2 Field strength of the fundamental wave

For test instruments and accessories used see section 6 Part **CPR 1**.

5.2.1 Description of the test location

Test location: OATS 1
Test distance: 3 m

5.2.2 Photo documentation of the test set-up

See ATTACHMENT C to this test report.

5.2.3 Applicable standard

FCC Part 15, Section 15.209(a) / RSS-GEN, Section 8.9

5.2.4 Description of Measurement

The radiated power of the spurious emission from the EUT is measured in a test setup following the procedures set out in ANSI C63.10.

5.2.5 Test result accd. to FCC

a) Result at a measurement distance of 3 m

Frequency (kHz)	Level (dBµV)	Ant. factor (dB 1/m)	Field strength dB(µV/m)
125.00	53.9	18.0	71.9

b) Result extrapolated to a distance of 300 m

Frequency (kHz)	Field strength dB(µV/m) @3m	Extrapolation factor (dB)	Field strength dB(µV/m) @300m	Limit dB(µV/m)	Delta (dB)
125.00	71.9	-80.0	-8.1	25.7	-33.8

Limit according to FCC Part 15, Section 15.209(a):

Frequency	Field strength of fundamental wave		Measurement distance
(kHz)	(µV/m)	dB(µV/m)	(metres)
125	19.2	25.7	300

5.2.6 Test result accd. to RSS

a) Result at a measurement distance of 3 m

Frequency (kHz)	Level (dBµA)	Ant. factor (dB 1/m)	Field strength dB(µA/m)
125.00	2.4	18.0	20.4

b) Result extrapolated to a distance of 300 m

Frequency (kHz)	Field strength dB(µA/m) @3m	Extrapolation factor (dB)	Field strength dB(µA/m) @300m	Limit dB(µA/m)	Delta (dB)
125	20.4	-80.0	-59.6	-25.9	-33.7

Limit according to RSS-GEN, Section 8.9:

Frequency	Field strength of fundamental wave		Measurement distance
(kHz)	(µA/m)	dB(µA/m)	(metres)
125	0.05096	-25.9	300

The requirements are **FULFILLED.**

Remarks: The measurements were carried out with a PK detector because the EuT operate over several antennas at different times.

5.3 Spurious emissions

For test instruments and accessories used see section 6 Part **SER 1, SER 2**.

5.3.1 Description of the test location

Test location: OATS 1
Test distance: 3 metres

5.3.2 Photo documentation of the test set-up

See ATTACHMENT C to this test report.

5.3.3 Applicable standard

FCC Part 15, Section 15.209 / RSS-GEN, Section 8.9

5.3.4 Description of Measurement

The radiated power of the spurious emission from the EUT is measured in a test setup following the procedures set out in ANSI C63.10.

The resolution bandwidth during the measurement is as follows:
9 kHz – 150 kHz: RBW: 200 Hz
150 kHz – 30 MHz: RBW: 9 kHz
30 MHz – 1000 MHz: RBW: 120 kHz
Detector: QP (In frequency range 9-90 kHz and 110-490 kHz a linear average detector is used)

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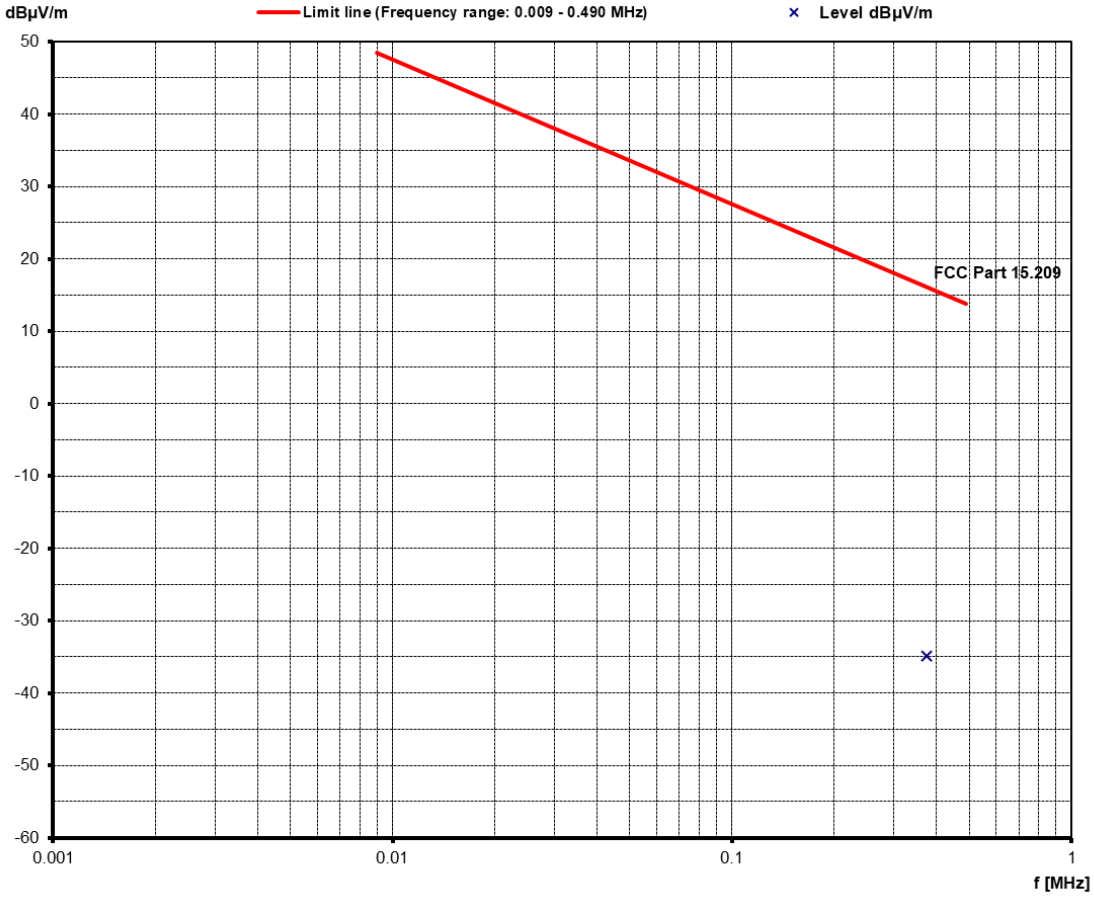
5.3.5 Test result < 30MHz accd. to FCC

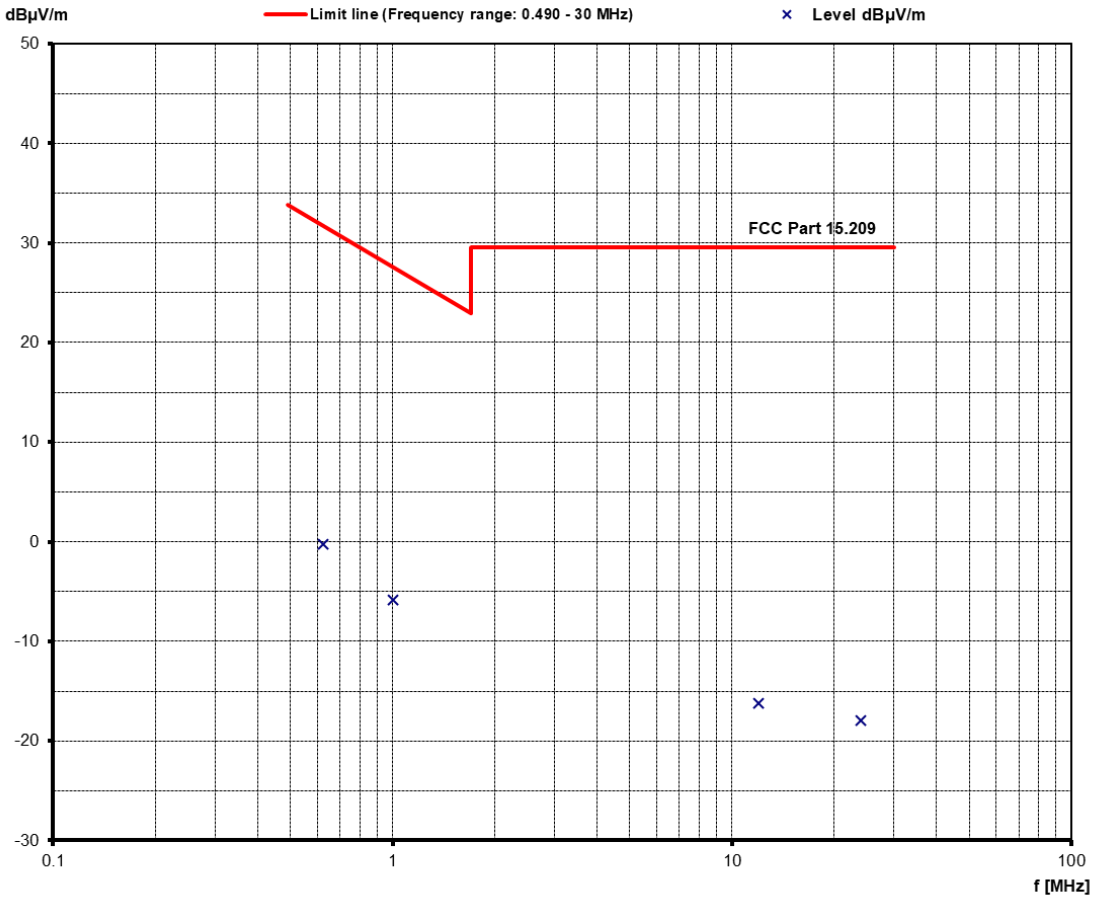
Frequency (kHz)	Level @3m (dBµV)	Ant. factor (dB 1/m)	Field strength @3m dB(µV/m)	Extrapolation factor @300m (dB)	Field strength level @300m dB(µV/m)	Limit dB(µV/m)	Delta (dB)
375.02	28.2	16.9	45.1	-80.0	-34.9	16.1	-51.0



FCC ID: 2BGE529G7129X IC ID: 32551-29G7129X

Frequency (kHz)	Level @3m (dBµV)	Ant. factor (dB 1/m)	Field strength @3m dB(µV/m)	Extrapolation factor @30m (dB)	Field strength level @30m dB(µV/m)	Limit dB(µV/m)	Delta (dB)
625.11	21.3	18.5	39.8	-40.0	-0.3	31.7	-32.0
875.16	16.0	18.2	34.2	-40.0	-5.8	27.6	-33.4
12000*	6.2	17.6	23.8	-40.0	-16.2	29.5	-45.7
24000*	4.0	18.0	22.0	-40.0	-18.0	29.5	-47.5

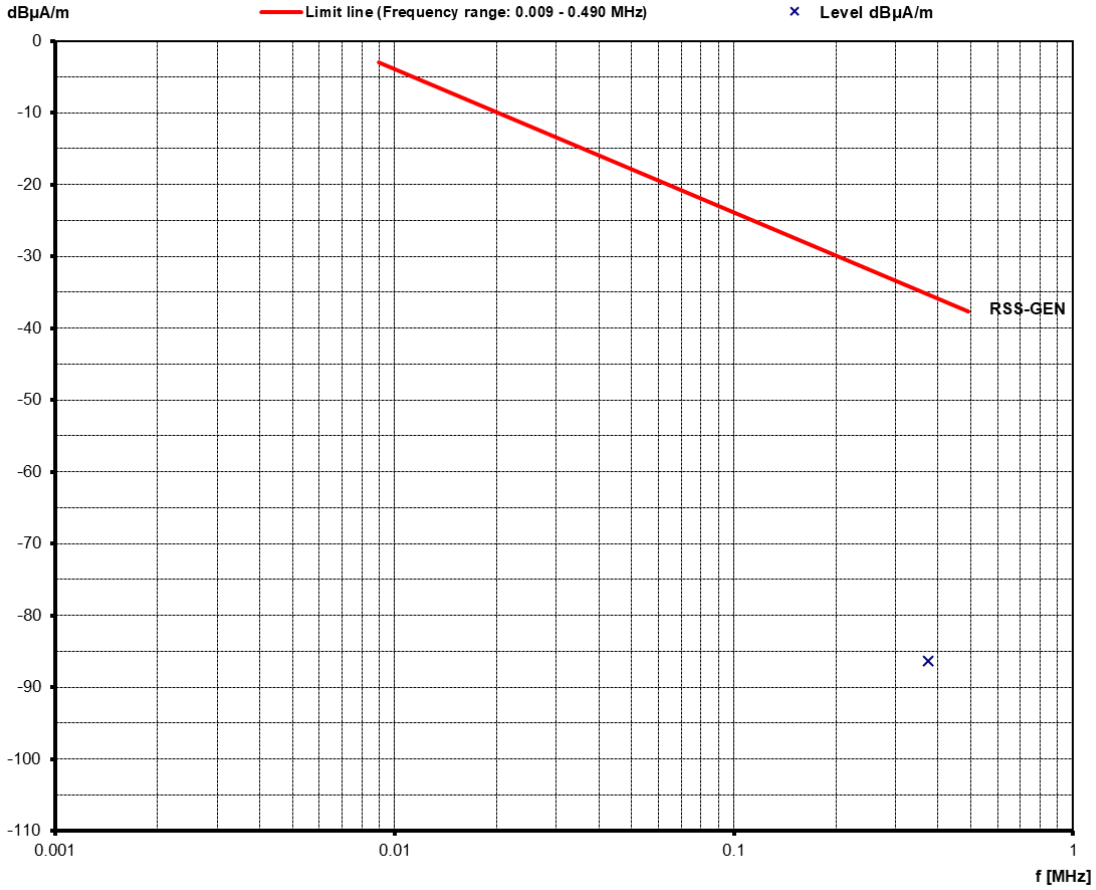
Note: *) Ambient noise, no other spurious emissions could be detected



FCC ID: 2BGE529G7129X IC ID: 32551-29G7129X

5.3.6 Test result < 30MHz accd. to RSS

Frequency (kHz)	Level @3m (dBµA)	Ant. factor (dB 1/m)	Field strength @3m dB(µA/m)	Extrapolation factor @300m (dB)	Field strength level @300m dB(µA/m)	Limit dB(µA/m)	Delta (dB)
375.02	-23.3	16.9	-6.4	-80.0	-86.4	-35.4	-51.0



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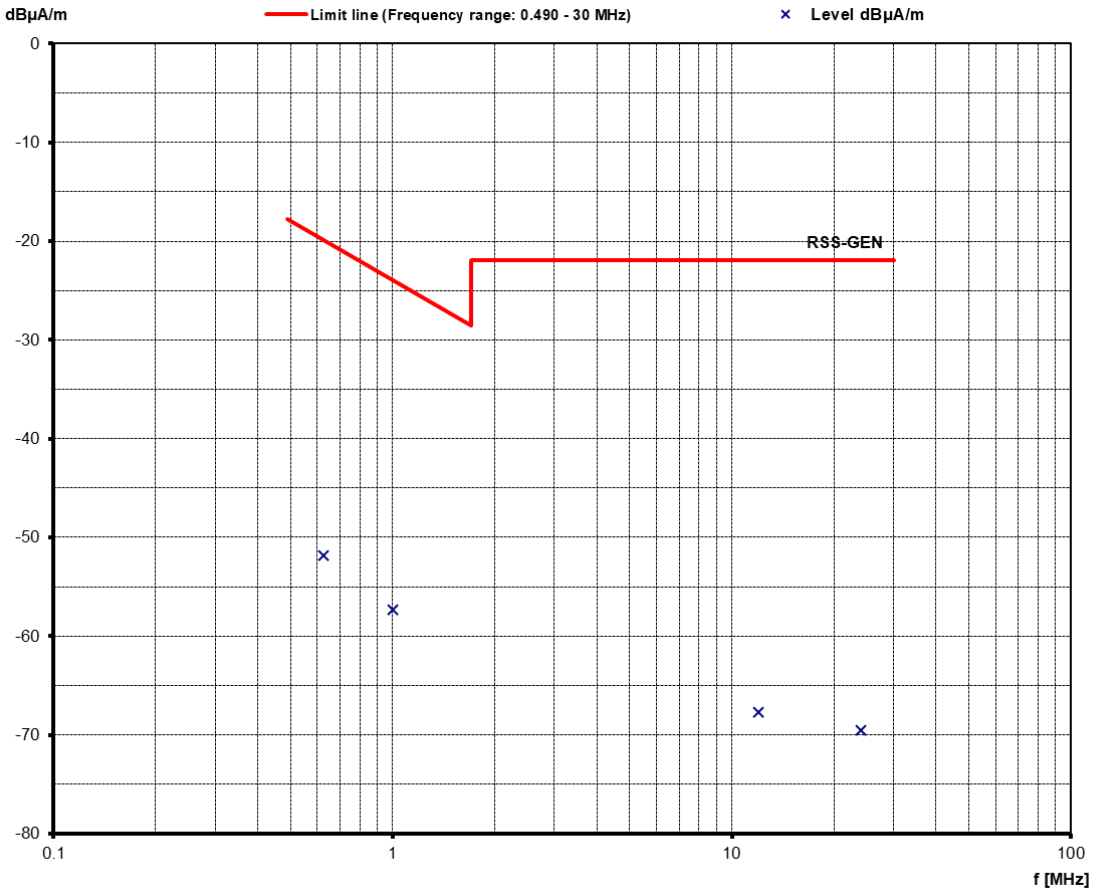
Frequency (kHz)	Level @3m (dBµA)	Ant. factor (dB 1/m)	Field strength @3m dB(µA/m)	Extrapolation factor @30m (dB)	Field strength level @30m dB(µA/m)	Limit dB(µA/m)	Delta (dB)
625.11	-30.3	18.5	-11.8	-40.0	-51.8	-19.8	-31.9
875.16	-35.5	18.2	-17.3	-40.0	-57.3	-22.8	-34.5
12000*	-45.3	17.6	-27.7	-40.0	-67.7	-21.9	-45.8
24000*	-47.5	18.0	-29.5	-40.0	-69.5	-21.9	-47.6

Note: *) Ambient noise, no other spurious emissions could be detected.

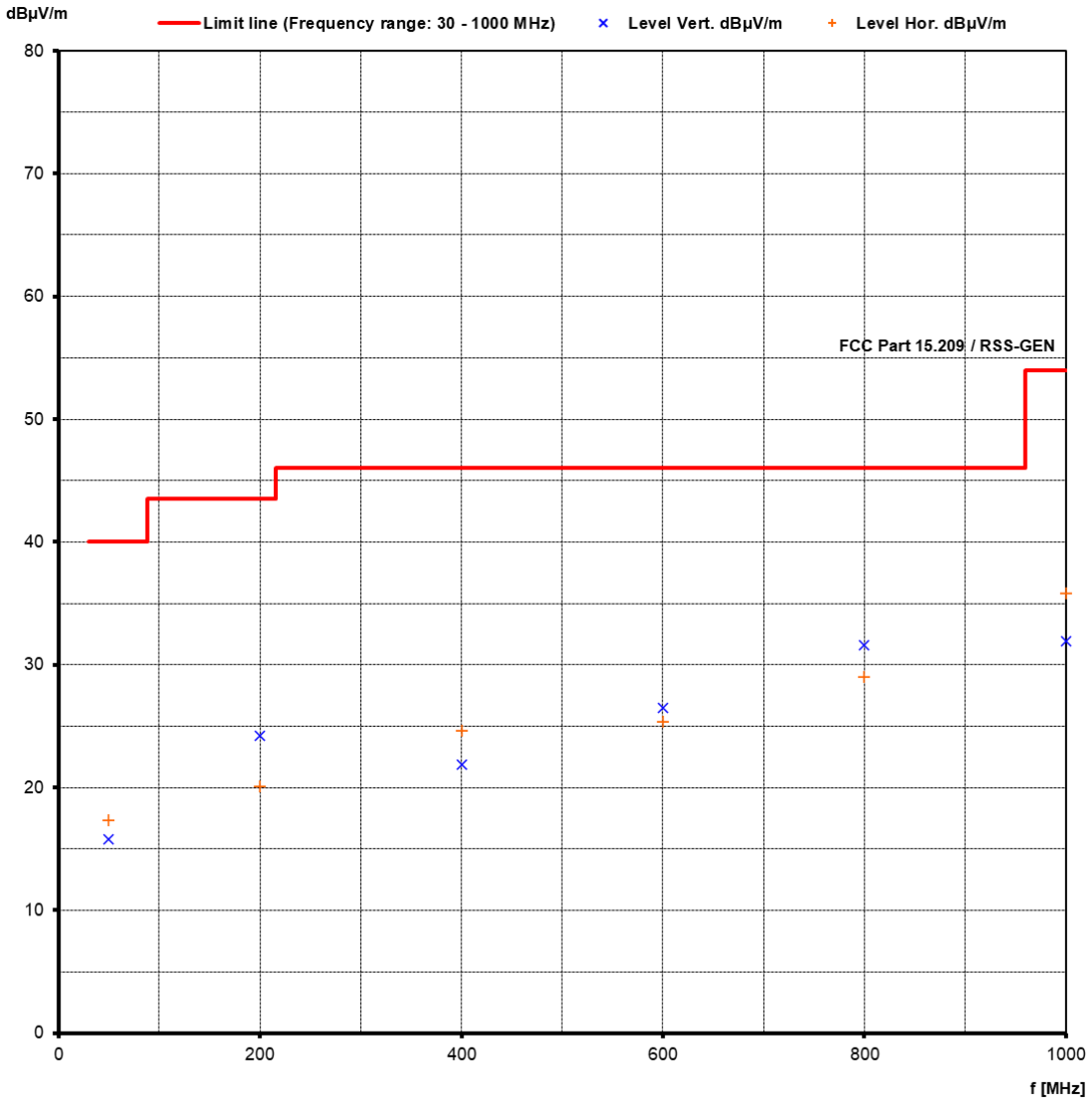


FCC ID: 2BGE529G7129X IC ID: 32551-29G7129X

5.3.7 Test result 30 MHz < f < 1 GHz

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*	-1.8	-1.5	17.6	18.8	15.8	17.3	40.0	-22.7
200*	7.2	3.6	17.0	16.5	24.2	20.1	43.5	-19.3
400*	-1.4	1.0	23.3	23.6	21.9	24.6	46.0	-21.4
600*	-1.8	-3.2	28.3	28.6	26.5	25.4	46.0	-19.5
800*	0.0	-2.9	31.6	31.9	31.6	29.0	46.0	-14.4
1000*	-2.1	1.4	34.0	34.4	31.9	35.8	54.0	-18.2

Note: The correction factor includes cable loss and antenna factor.
Note: *) Ambient noise, no other spurious emissions could be detected.



FCC ID: 2BGE529G7129X IC ID: 32551-29G7129X

Limit according to FCC Part 15, Section 15.209(a)

Frequency	Field strength of spurious emissions		Measurement distance
(MHz)	(µV/m)	dB(µV/m)	(metres)
0.009 - 0.490	2400/F(kHz)	--	300
0.490 - 1.705	24000/F (kHz)	--	30
1.705 - 30.0	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Limit according to RSS-Gen, Section 8.9

Frequency	Field strength of spurious emissions		Measurement distance
(MHz)	(µA/m)	dB(µA/m)	(metres)
0.009 - 0.490	6.37/F(kHz)	--	300 (Note 1)
0.490 - 1.705	63.7/F (kHz)	--	30
1.705 - 30.0	0.08	-22	30
Frequency	Field strength of spurious emissions		Measurement distance
(MHz)	(µV/m)	dB(µV/m)	(metres)
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Note 1: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

The requirements are **FULFILLED.**

Remarks: Measurement has been performed up to 1000 MHz.

The measurements were carried out with a PK detector because the EuT operate over several antennas at different times.

5.4 Bandwidth

For test instruments and accessories used see section 6 Part **MB**.

5.4.1 Description of the test location

Test location: AREA4

5.4.2 Photo documentation of the test set-up

See ATTACHMENT C to this test report.

5.4.3 Applicable standard

According to FCC Part 15, Section 15.215(c) / RSS-GEN, Section 6.7

5.4.4 Test result

Measured Bandwidth	result (kHz)	Limit (kHz)
20dB	1.06	--
99%	21.05	--

The requirements are **FULFILLED.**

Remarks: For detailed test result please refer to following test protocol.

FCC ID: 2BGE529G7129X IC ID: 32551-29G7129X

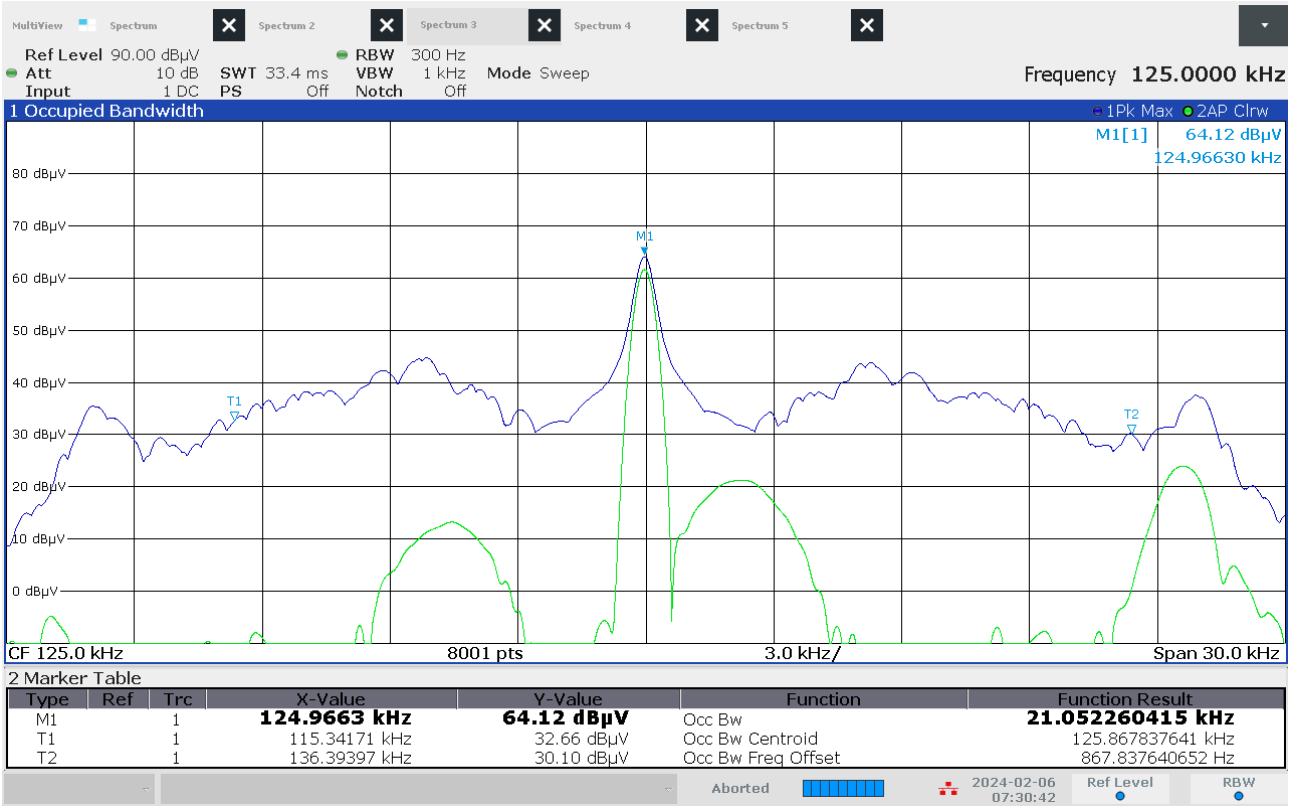
5.4.5 Test protocol

20 dB bandwidth

2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**124.9663 kHz**	**64.07 dBµV**	ndB	20.0 dB
T1		1	124.4338 kHz	44.10 dBµV	ndB down BW	**1.06 kHz**
T2		1	125.4912 kHz	44.10 dBµV	Q Factor	118.2

99% Bandwidth



2 Marker Table

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**124.9663 kHz**	**64.12 dBµV**	Occ Bw	**21.052260415 kHz**
T1		1	115.34171 kHz	32.66 dBµV	Occ Bw Centroid	125.867837641 kHz
T2		1	136.39397 kHz	30.10 dBµV	Occ Bw Freq Offset	867.837640652 Hz

FCC ID: 2BGE529G7129X IC ID: 32551-29G7129X

6 USED TEST EQUIPMENT AND ACCESSORIES

All test instruments used are calibrated and verified regularly. The calibration history is available on request.
All listed measuring devices were calibrated at the time of use.

Test ID	Model Type	Equipment No.	Next Calib.	Last Calib.	Next Verif.	Last Verif.
A 4	BAT-EMC 2023.0.8.0	01-02/68-13-001				
	ESR 7	02-02/03-17-001	01/08/2024	01/08/2023		
	ESH 2 - Z 5	02-02/20-05-004	13/10/2025	13/10/2022	17/04/2024	17/04/2023
	N-4000-BNC	02-02/50-05-138				
	ESH 3 - Z 2	02-02/50-05-155	09/11/2025	09/11/2022	25/07/2024	25/07/2023
	6430	02-02/50-13-014				
CPR 1	ESW26	02-02/03-17-002	08/03/2024	08/03/2023		
	HFH 2 - Z 2	02-02/24-05-020	01/06/2025	01/06/2022	05/09/2024	05/09/2023
	KK-EF393-21N-16	02-02/50-05-033				
	NW-2000-NB	02-02/50-05-113				
	KK-EF393/U-16N-21N20 m	02-02/50-12-018				
	KK-SD_7/8-2X21N-33,0M	02-02/50-15-028				
MB	METRAHIT WORLD	02-02/32-15-001	22/11/2024	22/11/2023		
	WK-340/40	02-02/45-05-001	27/07/2024	27/07/2023		
	Type 5315.5	02-02/50-05-197				
	7405	02-02/50-05-235				
	ESW44	09-16/03-24-001	21/11/2024	21/11/2023		
SER 1	ESW26	02-02/03-17-002	08/03/2024	08/03/2023		
	HFH 2 - Z 2	02-02/24-05-020	01/06/2025	01/06/2022	05/09/2024	05/09/2023
	KK-EF393-21N-16	02-02/50-05-033				
	NW-2000-NB	02-02/50-05-113				
	KK-EF393/U-16N-21N20 m	02-02/50-12-018				
	KK-SD_7/8-2X21N-33,0M	02-02/50-15-028				
SER 2	ESVS 30	02-02/03-05-006	27/07/2024	27/07/2023		
	ESW26	02-02/03-17-002	08/03/2024	08/03/2023		
	VULB 9168	02-02/24-05-005	20/04/2024	20/04/2023	03/05/2024	03/05/2023
	NW-2000-NB	02-02/50-05-113				
	KK-EF393/U-16N-21N20 m	02-02/50-12-018				
	KK-SD_7/8-2X21N-33,0M	02-02/50-15-028				
	50F-003 N 3 dB	02-02/50-21-010				