



EMI - TEST REPORT

- FCC Part 15.209, RSS-GEN -

Type / Model Name : G3167B

Product Description : Online Sample Manager

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. : 80192411-00 Rev_3

30. October 2024

Date of issue







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ATTACHMENT A to ATTACHMENT C as separate supplement



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 General Requirements and Information for the Certification of

Amendment 1 (March 2019) Radiocommunication Equipment Amendment 2 (February 2021)

RSS-210, Issue 11, June 2024 Licence-Exempt Radio Apparatus: Category I Equipment

ANSI C63.10: 2013 Testing Unlicensed Wireless Devices



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 online sampling module, which provides automated sample analysis via direct injections or retained samples from flow reactors.

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

Number of tested samples:

Serial number: DEBFF00101

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!

G3167A Online Sample Manager upto 800 bar

G7167A Multisampler upto 1300 bar

G7167B Multisampler upto 800 bar

G7167C Hybrid Multisampler upto 800 bar

G5668A Bio-Inert Multisampler upto 600 bar

G7137A Bio Multisampler upto 1300 bar

2.6 EUT operation mode

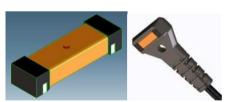
The equipment under test was operated during the measurement under the following conditions:

- 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)



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 $120 \, \text{V}$, $60 \, \text{Hz}$ unless otherwise stated. Exceptions are described in the detailed test conditions.



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
80192411-00	0	25 September 2024	Initial test report
80192411-00	1	16 October 2024	Changes in point 2.5 (Variants of the EUT)
80192411-00	2	29 October 2024	List of variants (2.5) corrected
80192411-00	3	30 October 2024	List of variants (2.5) corrected

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

3.2 FINAL ASSESSMENT

The equipment under test fulfills the	ne EMI requirements cited in clause 1 test standards.
Date of receipt of test sample	: acc. to storage records
Testing commenced on	: <u>30 January 2024</u>
Testing concluded on	: 15 February 2024
Checked by:	Tested by:
Jürgen Pessinger Radio Team	Markus Friedl Radio Team



4 <u>TEST ENVIRONMENT</u>

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

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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".

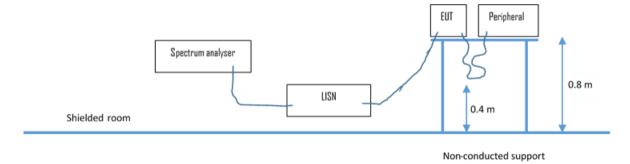
4.5.2.1 Justification

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 $dB\mu V$, is arrived at by taking the reading directly from the Spectrum analyser. This level is compared to the limit.

To convert between $dB\mu V$ and μV , the following conversions apply:

$$dB\mu V = 20(log \mu V)$$

 $\mu V = lnverse log(dB\mu V/20)$

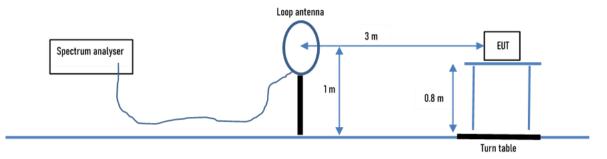
Conducted emissions on the 50 Hz and/or 60 Hz power interface of the EUT are measured in the frequency range of 150 kHz to 30 MHz. The measurements are performed using a receiver, which has CISPR characteristic bandwidth and quasi-peak detection and a Line Impedance Stabilization Network (LISN) with 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.



4.5.3.2 Radiated emission

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

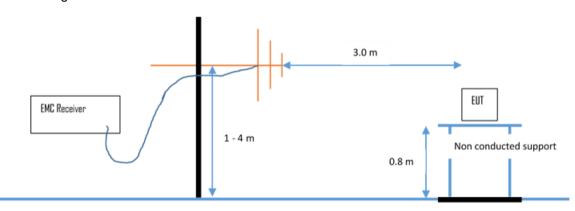
Test setup according ANSI C63.10



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 dB μ V/m is calculated by taking the reading from the EMI receiver (Level dB μ V) 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 Level Factor Limit Delta Level (dB) (MHz) (dBµV) (dB) $(dB\mu V/m)$ $(dB\mu V/m)$ 107.6 719.0 32.6 110.0 -2.4 75.0

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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 6.2 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	Conducted Limit (dBµV)				
(MHz)	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

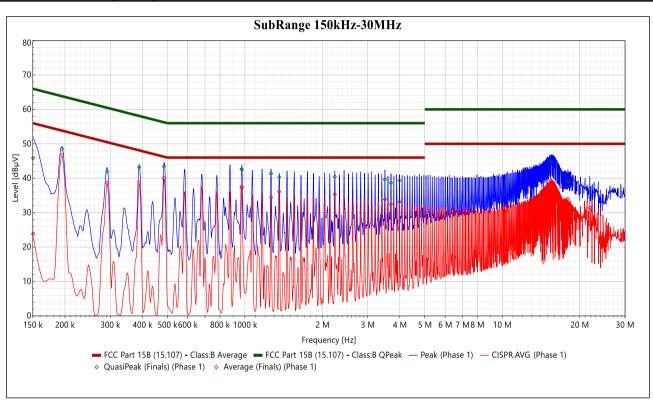
The requirements are FULFILLED.

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



5.1.6 Test protocol

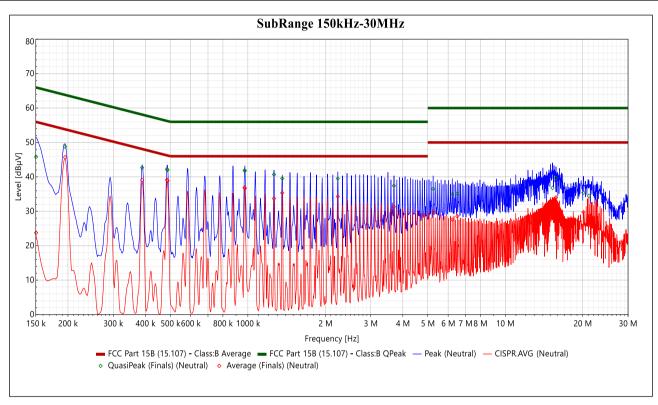
File No.:	80192411-00 Rev_3		Result:	PASS
Operation mode:	Cont. TAG reading at 125 kHz			
Tested by:	KJ	Nexio Version:	2022.0.32.0	
Location:	S2	Date:	07.02.2024 1	2:49:12
Remarks:	Test point L1			



Frequency (Hz)	QuasiPeak (dBµV)	QP Margin	QP Limit (dBµV)	Average (dBµV)	AV Margin	ΑV Limit (dBμV)	Line	Correction (dB)
150 k	45.854	20.146	66	23.864	32.136	56	Phase 1	10.084
195 k	48.563	15.257	63.821	46.783	7.038	53.821	Phase 1	10.097
291.75 k	41.955	18.52	60.474	38.673	11.801	50.474	Phase 1	10.126
388.5 k	43.209	14.887	58.096	38.747	9.349	48.096	Phase 1	10.153
485.25 k	43.457	12.792	56.249	40.052	6.197	46.249	Phase 1	10.168
971.25 k	42.656	13.344	56	37.456	8.544	46	Phase 1	10.182
973.5 k	42.524	13.476	56	37.223	8.777	46	Phase 1	10.182
1.26375 M	41.334	14.666	56	34.497	11.503	46	Phase 1	10.218
1.3605 M	40.341	15.659	56	36.101	9.899	46	Phase 1	10.231
2.23575 M	40.478	15.522	56	35.298	10.702	46	Phase 1	10.27
3.50025 M	39.659	16.341	56	33.893	12.107	46	Phase 1	10.323
3.696 M	38.674	17.326	56	32.44	13.56	46	Phase 1	10.34
3.98625 M	39.361	16.639	56	33.113	12.887	46	Phase 1	10.361
10.40325 M	38.955	21.045	60	32.088	17.912	50	Phase 1	10.595
10.4055 M	38.052	21.948	60	30.5	19.5	50	Phase 1	10.595
15.459 M	44.78	15.22	60	39.386	10.614	50	Phase 1	10.85
17.98575 M	39.095	20.905	60	34.027	15.973	50	Phase 1	10.91
21.87375 M	36.871	23.129	60	31.455	18.545	50	Phase 1	10.992



File No.:	80192411-00 Rev_3		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 1	2:49:12
Remarks:	Test point N			



Frequency (Hz)	QuasiPeak (dBµV)	QP Margin	QP Limit (dBµV)	Average (dBµV)	AV Margin	AV Limit (dBµV)	Line	Correction (dB)
150 k	45.831	20.169	66	23.737	32.263	56	Neutral	10.134
195 k	48.814	15.007	63.821	45.706	8.115	53.821	Neutral	10.144
388.5 k	42.675	15.421	58.096	39.059	9.037	48.096	Neutral	10.176
485.25 k	42.234	14.014	56.249	39.147	7.101	46.249	Neutral	10.171
487.5 k	42.01	14.2	56.21	38.859	7.351	46.21	Neutral	10.171
971.25 k	41.894	14.106	56	36.901	9.099	46	Neutral	10.227
973.5 k	41.767	14.233	56	36.671	9.329	46	Neutral	10.228
1.26375 M	40.69	15.31	56	33.714	12.286	46	Neutral	10.264
1.3605 M	39.536	16.464	56	35.354	10.646	46	Neutral	10.275
2.23575 M	39.51	16.49	56	34.308	11.692	46	Neutral	10.301
3.69375 M	37.42	18.58	56	31.334	14.666	46	Neutral	10.359
5.2485 M	36.526	23.474	60	29.863	20.137	50	Neutral	10.448
6.225 M	34.997	25.003	60	27.599	22.401	50	Neutral	10.516
6.513 M	35.185	24.815	60	28.56	21.44	50	Neutral	10.531
15.261 M	36.79	23.21	60	29.349	20.651	50	Neutral	10.902
15.74925 M	39.67	20.33	60	34.023	15.977	50	Neutral	10.904
20.1255 M	35.396	24.604	60	29.768	20.232	50	Neutral	11.079
21.1245 M	34.489	25.511	60	27.734	22.266	50	Neutral	11.064



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	Level	Ant. factor	Field strength
(kHz)	(dBµV)	(dB 1/m)	dB(µV/m)
125.00	49.9	18.0	67.9

b) Result extrapolated to a distance of 300 m

Ont Ontroport		0 0. 000			
Frequency	Field strength	Extrapolation	Field strength	Limit	Delta
(kHz)	dB(μV/m) @3m	factor (dB)	dB(µV/m) @300m	dB(μV/m)	(dB)
125.00	67.9	-80.0	-12.1	25.7	-37.8

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

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



5.2.6 Test result accd. to RSS

a) Result at a measurement distance of 3 m

Frequency	Level	Ant. factor	Field strength
(kHz)	(dBµA)	(dB 1/m)	dB(µA/m)
125.00	-1.6	18.0	16.4

b) Result extrapolated to a distance of 300 m

Frequency	Field strength	Extrapolation	Field strength	Limit	Delta
(kHz)	dB(µA/m) @3m	factor (dB)	dB(µA/m) @300m	dB(μA/m)	(dB)
125.00	16.4	-80.0	-63.6	-25.9	-37.7

Limit according to RSS-GEN, Section 8.9:

Frequency	Field strength of t	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:

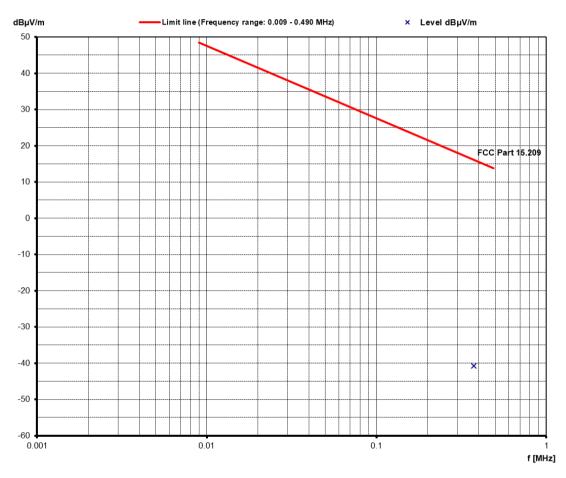
9 kHz – 150 kHz: RBW: 200 Hz 150 kHz – 30 MHz: RBW: 9 kHz 30 MHz – 1000 MHz: RBW: 120 kHz

Detector:QP (In frequency range 9-90 kHz and 110-490 kHz a linear average detector is used)



5.3.5 Test result < 30MHz accd. to FCC

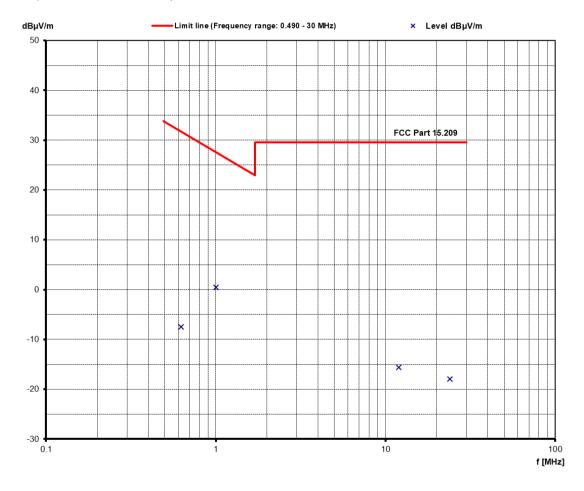
Fr	requency (kHz)	Level @3m (dBµV)	Ant. factor (dB 1/m)	Field strength @3m dB(µV/m)	Extrapolation factor @300m (dB)	Field strength level @300m dB(µV/m)	Limit dB(µV/m)	Delta (dB)
	375.00	22.4	16.9	39.3	-80.0	-40.7	16.1	-56.8





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)
625.70	14.0	18.5	32.5	-40.0	-7.5	31.7	-39.2
1000*	22.3	18.2	40.5	-40.0	0.5	27.6	-27.1
12000*	6.8	17.6	24.4	-40.0	-15.6	29.5	-45.1
24000*	4.0	18.0	22.0	-40.0	-18.0	29.5	-47.5

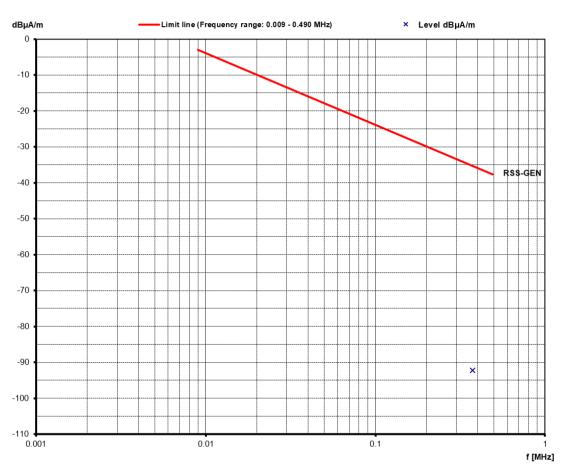
Note: *) Ambient noise, no other spurious emissions could be detected





5.3.6 Test result < 30MHz accd. to RSS

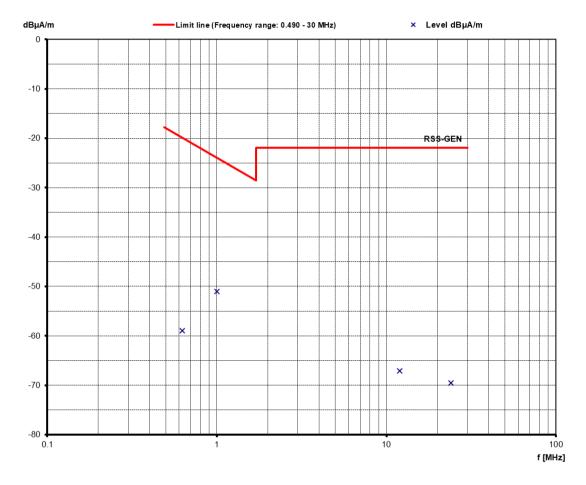
Frequency (kHz)	Level @3m (dBµA)	Ant. factor (dB 1/m)	Field strength @3m dB(µA/m)				Delta (dB)
375.00	-29.1	16.9	-12.2	-80.0	-92.2	-35.4	-56.8





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)
625.70	-37.5	18.5	-19.0	-40.0	-59.0	-19.8	-39.2
1000*	-29.2	18.2	-11.0	-40.0	-51.0	-23.9	-27.1
12000*	-44.7	17.6	-27.1	-40.0	-67.1	-21.9	-45.2
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.

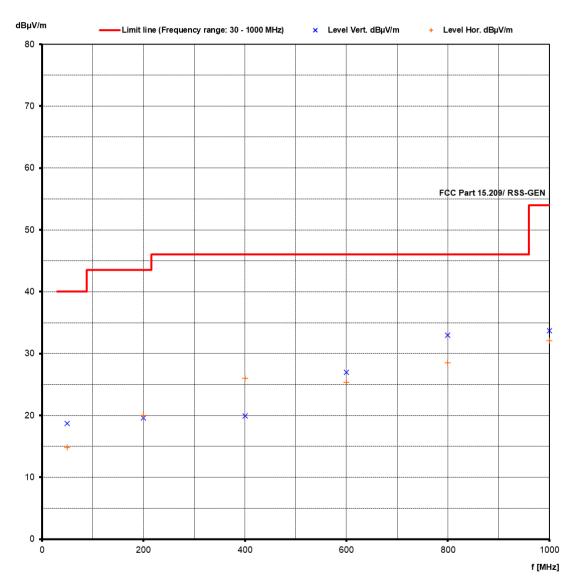




5.3.7 Test result 30 MHz < f < 1 GHz

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*	1.1	-4.0	17.6	18.8	18.7	14.8	40.0	-21.3
200*	2.6	3.5	17.0	16.5	19.6	20.0	43.5	-23.5
400*	-3.4	2.4	23.3	23.6	19.9	26.0	46.0	-20.0
600*	-1.3	-3.2	28.3	28.6	27.0	25.4	46.0	-19.0
800*	1.4	-3.4	31.6	31.9	33.0	28.5	46.0	-13.0
1000*	-0.3	-2.3	34.0	34.4	33.7	32.1	54.0	-20.3

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





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

Frequency	Field strength of sp	ourious 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 sp	ourious 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 sp	ourious 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

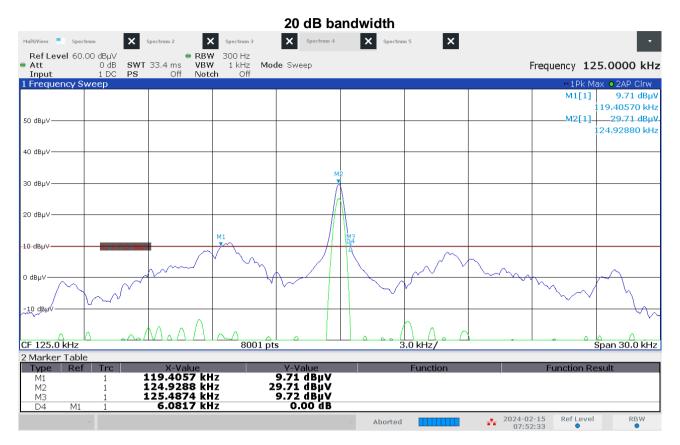
Measured Bandwidth	result (kHz)	Limit (kHz)
20dB	6.082	(KI IZ)
99%	20.288	

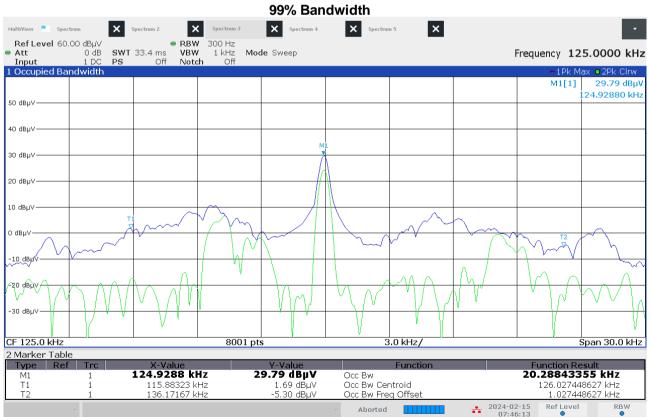
The requirements are **FULFILLED**.

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



5.4.5 Test protocol







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	01/00/2024	01/00/2022		
		ESR 7 ESH 2 - Z 5	02-02/03-17-001 02-02/20-05-004	01/08/2024 13/10/2025	01/08/2023 13/10/2022	17/04/2024	17/04/2023
		N-4000-BNC	02-02/50-05-138	13/10/2023	13/10/2022	17/04/2024	17/04/2023
		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					
		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					
		KK-SD_7/8-2X21N-33,0M	02-02/50-15-028				
S	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					
		KK-SD_7/8-2X21N-33,0M					
		50F-003 N 3 dB	02-02/50-21-010				