

EMI - TEST REPORT

- FCC Part 15.209, RSS-GEN -

Type / Model Name : G7114B

Product Description: Variable Wavelength Detector

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. : 80192412-00 Rev_1

15. October 2024

Date of issue

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 a Variable Wavelength Detector (VWD) for liquid chromatography systems. Output signal data rate up to 240Hz.

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

Number of tested samples:

Serial number: DEBAU02747



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!

G7114A Variable Wavelength Detector (VWD) for liquid chromatography systems. Output signal data rate up to 120Hz.

2.6 EUT operation mode

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

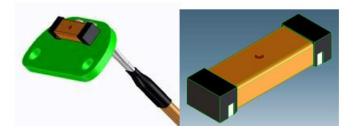
- Cont. TAG reading at 125 kHz (all antennas are read sequentially)

2.7 Antenna

Antenna: 125KHz

Agilent PN 9140-5210: PCB Mountable Part • IND-FXD 900uH 5% 10mA 3.6X11.8mm SMT

Manufacturer: Premo, SDTR1103-0090J



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.



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
80192412-00	0	25 September 2024	Initial test report
80192412-00	1	15 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 E	MI requirements cited in clause	1 test standards.
Date of receipt of test sample	: acc. to storage records	
Testing commenced on	: <u>08 February 2024</u>	
Testing concluded on	: 21 February 2024	
Checked by:		Tested by:
Klaus Gegenfurtner Teamleader Radio		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".

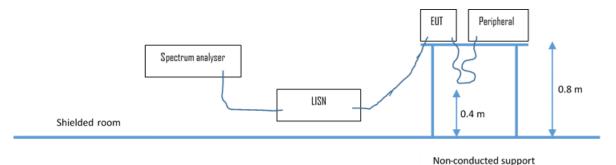
4.5.2.1 Justification

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 $dB_{\mu}V$, 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:

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

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

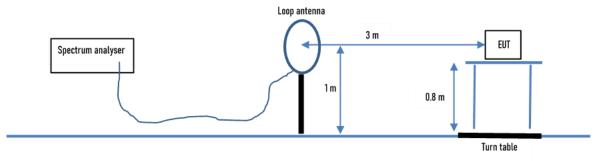
Conducted emissions on the 50 Hz and/or 60 Hz power interface of the EUT are measured in the frequency range of 150 kHz to 30 MHz. The measurements are performed using a receiver, which has CISPR characteristic bandwidth and quasi-peak detection and a Line Impedance Stabilization Network (LISN) with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

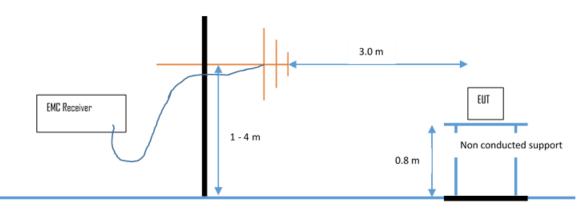
Test setup according ANSI C63.10



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

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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 >15 dB

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

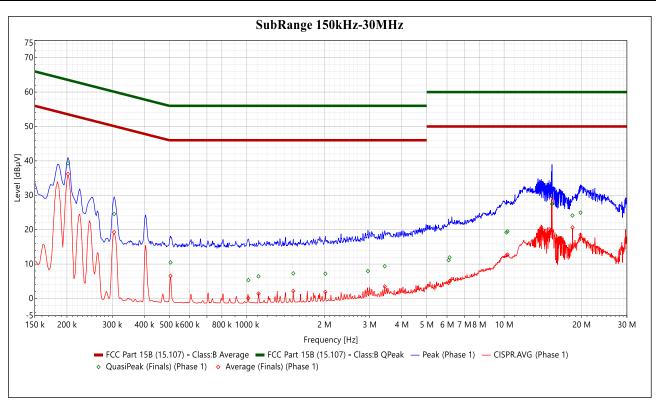
The requirements are FULFILLED.

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



5.1.6 Test protocol

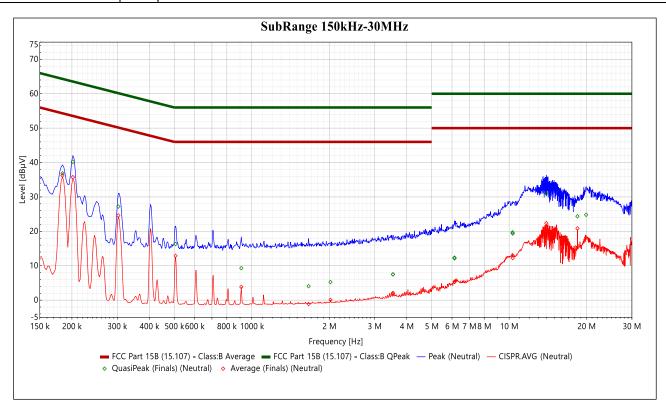
File No.:	80192412-00 Rev_1		Result:	PASS
Operation mode:	Cont. TAG reading at 125 kHz			
Tested by:	KJ	Nexio Version:	2022.0.32.0	
Location:	S2	Date:	07.02.2024 13	3:41:58
Remarks:	Test point L1			



Frequency (Hz)	QuasiPeak (dBµV)	QP Margin	QP Limit (dBµV)	Average (dBµV)	AV Margin	AV Limit (dBµV)	Line	Correction (dB)
201.75 k	39.294	24.244	63.538	36.176	17.363	53.538	Phase 1	10.099
305.25 k	24.566	35.533	60.099	19.293	30.805	50.099	Phase 1	10.13
505.5 k	10.478	45.522	56	6.582	39.418	46	Phase 1	10.17
1.014 M	5.326	50.674	56	0.111	45.889	46	Phase 1	10.186
1.11075 M	6.44	49.56	56	1.407	44.593	46	Phase 1	10.198
1.51575 M	7.302	48.698	56	2.177	43.823	46	Phase 1	10.243
2.01975 M	7.198	48.802	56	1.882	44.118	46	Phase 1	10.249
2.95575 M	7.96	48.04	56	1.675	44.325	46	Phase 1	10.316
3.435 M	9.383	46.617	56	3.49	42.51	46	Phase 1	10.322
6.08775 M	11.114	48.886	60	4.538	45.462	50	Phase 1	10.481
6.1395 M	11.932	48.068	60	5.041	44.959	50	Phase 1	10.486
10.2075 M	19.196	40.804	60	12.526	37.474	50	Phase 1	10.576
10.3065 M	19.51	40.49	60	12.723	37.277	50	Phase 1	10.586
15.351 M	27.471	32.529	60	19.829	30.171	50	Phase 1	10.848
18.43125 M	24.133	35.867	60	20.659	29.341	50	Phase 1	10.915
19.80375 M	24.936	35.064	60	18.518	31.482	50	Phase 1	10.941



File No.:	80192412-00 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 13	3:41:58
Remarks:	Test point N			



Frequency (Hz)	QuasiPeak (dBµV)	QP Margin	QP Limit (dBµV)	Average (dBµV)	AV Margin	AV Limit (dBµV)	Line	Correction (dB)
183.75 k	36.847	27.468	64.314	36.292	18.022	54.314	Neutral	10.142
201.75 k	40.22	23.318	63.538	35.737	17.802	53.538	Neutral	10.146
303 k	27.209	32.952	60.16	24.606	25.554	50.16	Neutral	10.169
505.5 k	16.303	39.697	56	12.876	33.124	46	Neutral	10.17
910.5 k	9.289	46.711	56	3.839	42.161	46	Neutral	10.218
1.662 M	4.061	51.939	56	-1.129	47.129	46	Neutral	10.289
2.022 M	5.252	50.748	56	0.082	45.918	46	Neutral	10.284
3.53625 M	7.496	48.504	56	2.082	43.918	46	Neutral	10.343
3.5385 M	7.498	48.502	56	1.953	44.047	46	Neutral	10.343
6.13275 M	12.363	47.637	60	5.395	44.605	50	Neutral	10.511
6.13725 M	12.151	47.849	60	5.276	44.724	50	Neutral	10.511
10.311 M	19.697	40.303	60	13.064	36.936	50	Neutral	10.611
10.32675 M	19.37	40.63	60	12.235	37.765	50	Neutral	10.613
13.94925 M	31.031	28.969	60	22.366	27.634	50	Neutral	10.902
18.43125 M	24.384	35.616	60	20.882	29.118	50	Neutral	10.959
19.914 M	24.808	35.192	60	18.188	31.812	50	Neutral	11.069



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	37.7	18.0	55.7

b) Result extrapolated to a distance of 300 m

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	55.7	-80.0	-24.3	25.7	-50.0

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

Frequency	Field strength of f	undamental 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	-13.8	18.0	4.2

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	4.2	-80.0	-75.8	-25.9	-49.9

Limit according to RSS-GEN, Section 8.9:

Frequency	Field strength of f	undamental 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:

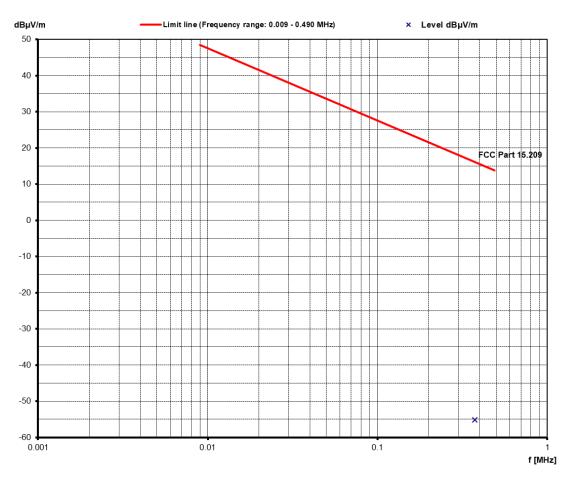
9 kHz – 150 kHz: RBW: 200 Hz 150 kHz – 30 MHz: RBW: 9 kHz 30 MHz – 1000 MHz: RBW: 120 kHz

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

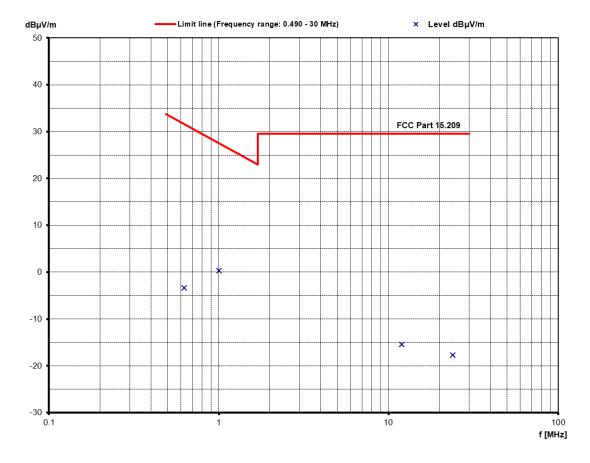
Frequency (kHz)	Level @3m (dBµV)	Ant. factor (dB 1/m)	Field strength @3m dB(µV/m)	Extrapolation factor @300m (dB)	Field strength level @300m dB(µV/m)	Limit dB(µV/m)	Delta (dB)
375.00	7.9	16.9	24.8	-80.0	-55.2	16.1	-71.3





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)
625.00	18.1	18.5	36.6	-40.0	-3.4	31.7	-35.1
1000*	22.1	18.2	40.3	-40.0	0.3	27.6	-27.3
12000*	7.0	17.6	24.6	-40.0	-15.4	29.5	-44.9
24000*	4.3	18.0	22.3	-40.0	-17.7	29.5	-47.2

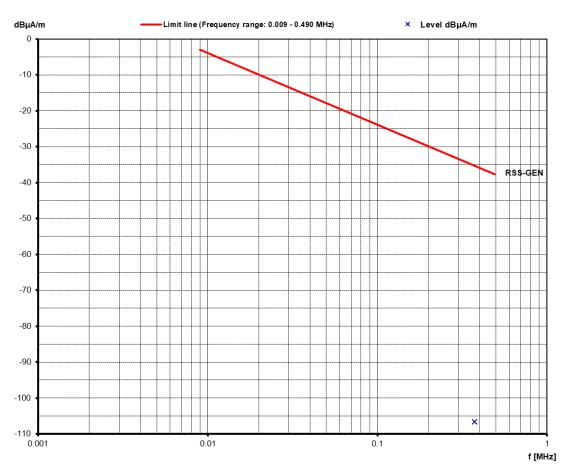
Note: *) Ambient noise, no other spurious emissions could be detected





5.3.6 Test result < 30MHz accd. to RSS

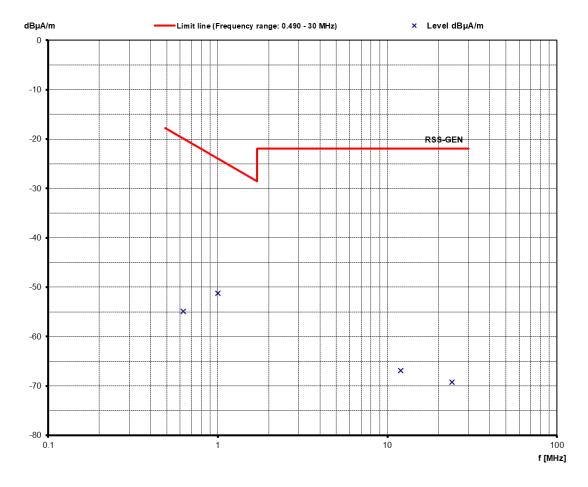
Freque (kHz	⁷ I (α) '3 m	Ant. factor (dB 1/m)	Field strength @3m dB(µA/m)	Extrapolation factor @300m (dB)	Field strength level @300m dB(µA/m)	Limit dB(µA/m)	Delta (dB)
375.0	-43.6	16.9	-26.7	-80.0	-106.7	-35.4	-71.3





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)
625.00	-33.4	18.5	-14.9	-40.0	-54.9	-19.8	-35.1
1000*	-29.4	18.2	-11.2	-40.0	-51.2	-23.9	-27.3
12000*	-44.5	17.6	-26.9	-40.0	-66.9	-21.9	-45.0
24000*	-47.2	18.0	-29.2	-40.0	-69.2	-21.9	-47.3

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

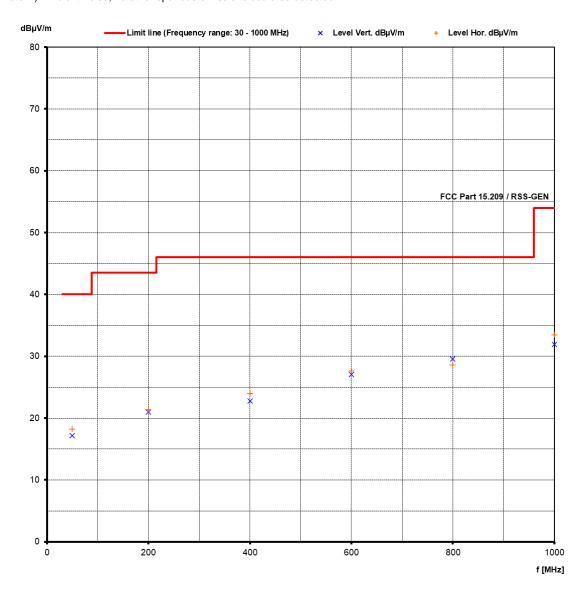




5.3.7 Test result 30 MHz < f < 1 GHz

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*	-0.4	-0.6	17.6	18.8	17.2	18.2	40.0	-21.8
200*	4.0	4.9	17.0	16.5	21.0	21.4	43.5	-22.1
400*	-0.5	0.4	23.3	23.6	22.8	24.0	46.0	-22.0
600*	-1.2	-1.0	28.3	28.6	27.1	27.6	46.0	-18.4
800*	-2.0	-3.3	31.6	31.9	29.6	28.6	46.0	-16.4
1000*	-2.1	-0.9	34.0	34.4	31.9	33.5	54.0	-20.5

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	urious 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	urious 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	urious 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

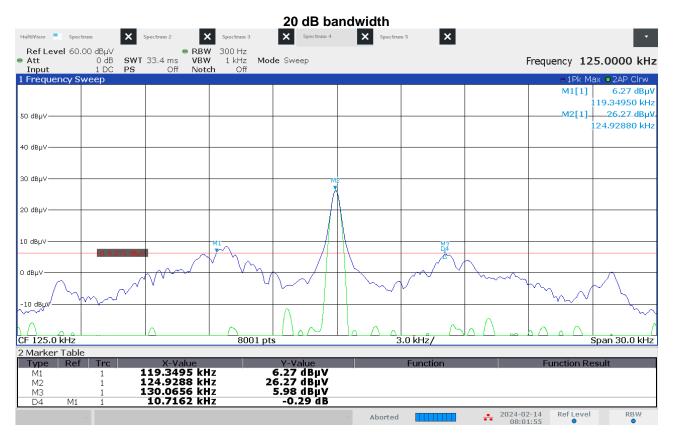
Measured	result	Limit	
Bandwidth	(kHz)	(kHz)	
20dB	10.716		
99%	22.334		

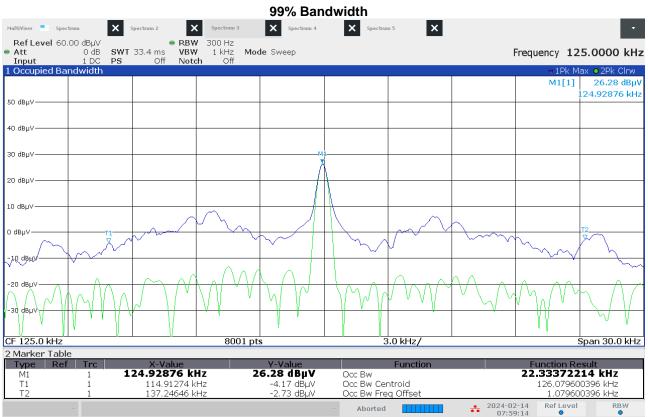
The requirements are **FULFILLED**.

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	01/08/2024	01/09/2022		
	ESR 7 ESH 2 - Z 5	02-02/03-17-001 02-02/20-05-004	13/10/2025	01/08/2023 13/10/2022	17/04/2024	17/04/2023
	N-4000-BNC	02-02/20-03-004	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	02-02/50-12-018 02-02/50-15-028				
	KK-SD_7/8-2X21N-33,0M	02-02/30-13-028				
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				