

Test report for
47 CFR Part 15 Subpart C
RSS-247, RSS-Gen



Product name : Baristina
Applicant : DAP B.V.
FCC ID : 2BUX7-BAR400
IC : 28563-BAR400

Test report No. : P000567508 001 V4.00

Laboratory information

Accreditation

Kiwa Nederland B.V. complies with the accreditation criteria for test laboratories as laid down in ISO/IEC 17025:2017. The accreditation covers the quality system of the laboratory as well as the specific activities as described in the authorized annex bearing the accreditation number L015 and is granted by the Dutch Council For Accreditation (RvA: Raad voor Accreditatie).

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Documentation

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Testing Location

Test Site	Kiwa Nederland B.V.
Test Site location	Wilmersdorf 50 7327 AC Apeldoorn The Netherlands Tel. +31 88998 3393
Test Site FCC	NL0001
CABID	NL0001

Revision History

Version	Date	Remarks	By
v0.50	06-03-2026	First draft	AWM
v1.0	20-03-2026	Initial release	AWM
v2.0	26-03-2026	Added 20 dB Bandwidth and 99% Occupied bandwidth measurements and updated typo in 1.4	AWM
v3.0	30-03-2026	Added test results in 3.5.5 for the 15.225 frequency error measurements for the temperature ranges of -20°C, -10°C, 0°C and 50°C. Added AM plot and emission plot to 3.4.6	AWM
V4.00	07-04-2026	Updated 1.7 and 1.8	AWM

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Summary of Test results

FCC	ISED	Description	Section in report	Verdict
15.225(d) 15.209 (a)	RSS-Gen 8.9	Radiated spurious emissions	3.1	Pass
15.207 (c)	RSS-Gen 8.8	AC power-line conducted emissions	3.2	Pass
15.225 (a),(b),(c)	RSS-210 B.6	Field strength of emissions	3.3	Pass
15.225(e)	RSS-210 B.6	Frequency Stability	3.4	Pass

Decision rule: Pass/Fail decisions are based on measurement results without taking into account measurement uncertainty.

1 General Description

1.1 Applicant

Client name:	DAP B.V.
Address:	Tussendiepen 4a, Drachten
Zip code:	9206 AB, The Netherlands
Telephone:	+31 6 17 20 41 28
E-mail:	Roberts.veselovs@versuni.com
Contact name:	Roberts Veselovs

1.2 Manufacturer

Manufacturer name:	DAP B.V.
Address:	Tussendiepen 4a, Drachten
Zip code:	9206 AB, The Netherlands
Telephone:	+31 6 17 20 41 28
E-mail:	Roberts.veselovs@versuni.com
Contact name:	Roberts Veselovs

1.3 Tested Equipment Under Test (EUT)

Product name:	Baristina
Brand name:	Phillips
FCC ID:	2BUX7-BAR400
IC:	28563-BAR400
Contains FCC ID:	--
Contains IC:	--
Product description:	Manual Espresso coffee maker with milk frothing function
Variant model(s):	BAR40x, BAR70x
Batch and/or serial No.	TW902549046873, TW902549046867
Software version:	--
Hardware version:	--
Date of receipt:	06-01-2026
Tests started:	06-01-2026
Testing ended:	06-03-2026

1.3.1 Auxiliary items

None.

1.4 Product specifications of Equipment under test

Tx Frequency:	13.56 MHz
Rx frequency:	13.56 MHz
Occupied channel width:	22.03 Hz
Antenna type:	PCB Loop Antenna
Antenna gain:	--
Type of modulation:	AM
Emission designator	22H3K1D

Disclaimer: The operating frequency bands are declared by the applicant

1.5 Environmental conditions

Normal test conditions:

Temperature (*) : +15°C to +25°C
Relative humidity(*) : 20 % to 75 %

1.6 Measurement standards

- ANSI C63.10-2020/Cor 1-2023/C63.10a-2024
- FCC KDB Publication No. 558074 D01 DTS Meas. Guidance v05r02

1.7 Applicable standards

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

- FCC Part 15 Subpart C §15.207
- FCC Part 15 Subpart C §15.209
- FCC Part 15 Subpart C §15.225
- RSS-Gen Issue 5
- RSS-210 Issue 11

1.8 Observation and remarks

The EUT was updated with a FW for continuous operation of the EUT and radio. The BAR70x was added as a variant as it contains the same radio as the BAR40x.

1.9 Modifications to the EUT (Equipment Under Test)

For AC Power-line conducted emissions, the EUT was updated with a new PCBA, to where the antenna was cut and replaced with a dummy load.

1.10 Conclusions

The sample of the product showed **NO NON-COMPLIANCES** to the specifications stated in paragraph 1.7 of this report.

The results of the test as stated in this report, are exclusively applicable to the product items as identified in this report. Kiwa Nederland B.V. accepts no responsibility for any properties of product items in this test report, which are not supported by the tests as specified in paragraph 1.7 *"Applicable standards"*.

All tests are performed by:

Name : ing A.W. Mostert.

Review of test methods and report by:

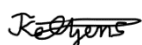
Name : ing. T. Keltjens

The above conclusions have been verified by the following signatory:

Date : 28-04-2026

Name : Ing. T. Keltjens

Function : Test Engineer

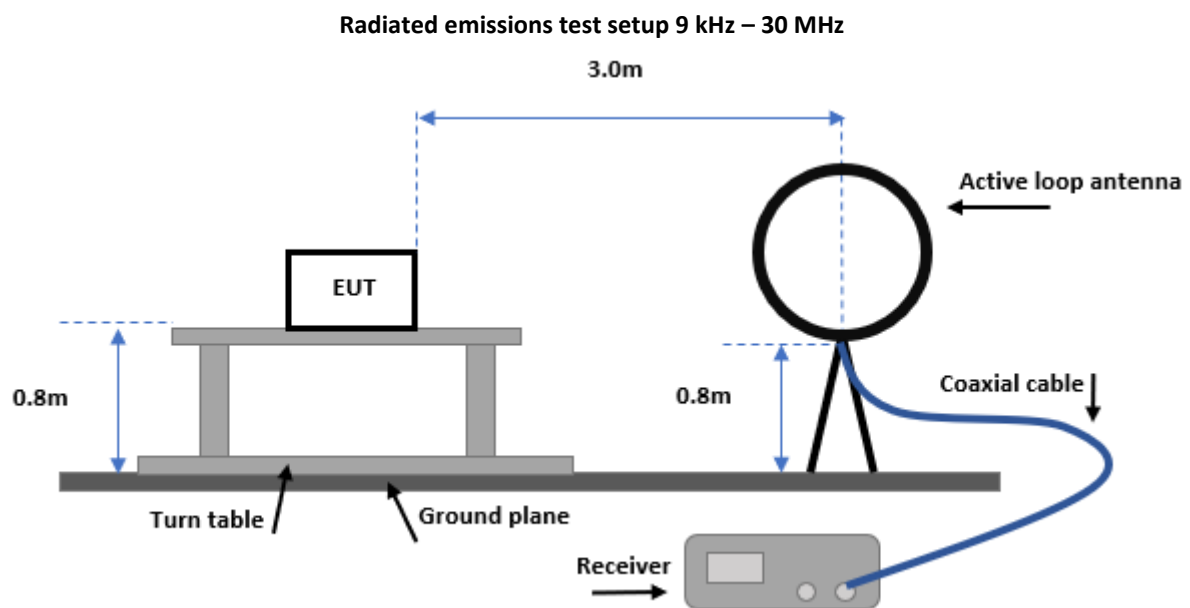
Signature : 

2 Test configuration of the Equipment Under Test

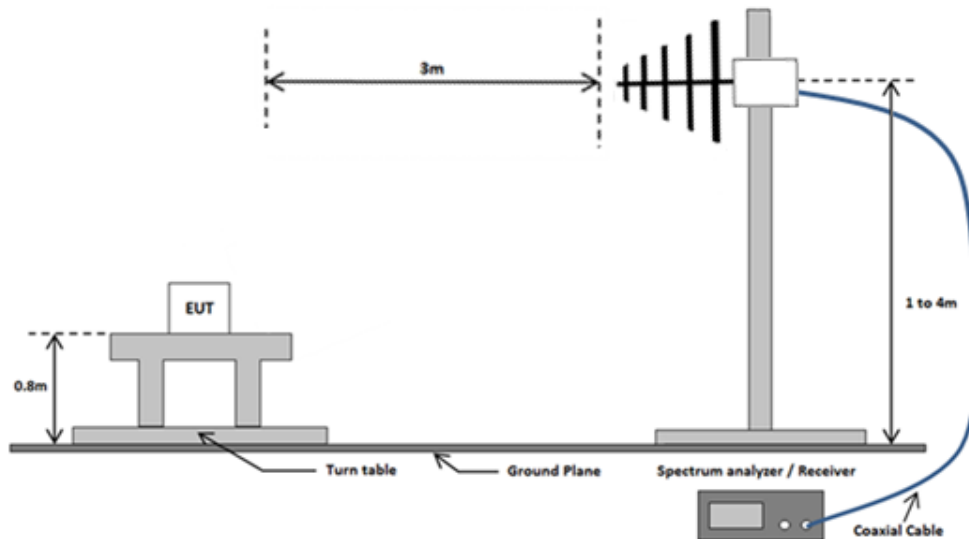
2.1 Test mode

The RFID is used in the milk wand. A special continuous transmission was set up with the milk wand connected.

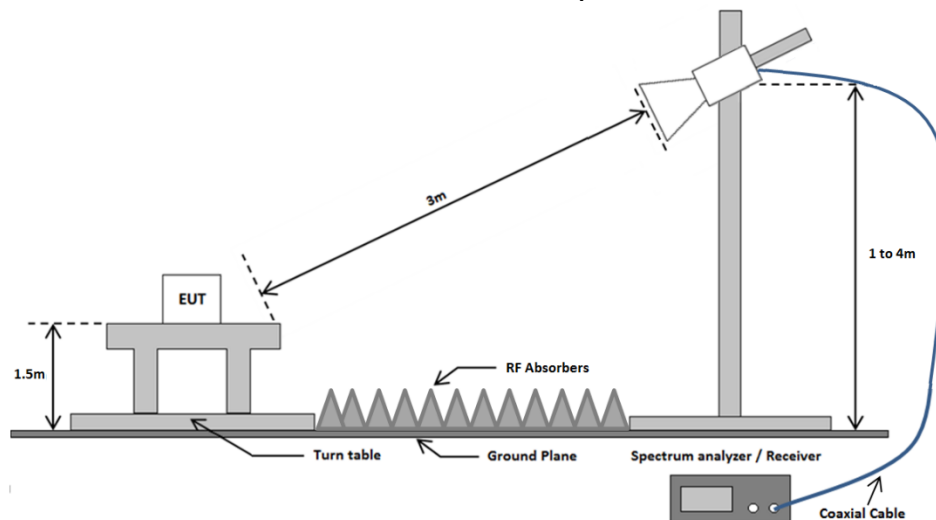
2.2 Test setups



Radiated emissions test setup 30 MHz - 1 GHz

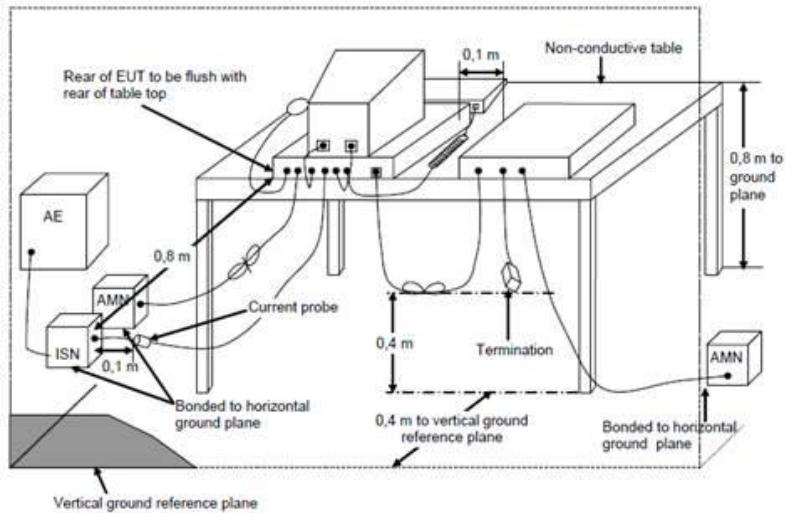


Radiated emissions test setup above 1 GHz



AC Power line conducted emissions test setup

Emissions test at AC mains



List of used cables					
Number	Function	From	To	Length	Remarks
1	AC Power	mains 120Vac 60 Hz	--	< 3m	-

2.3 Equipment used in the test configuration

Description	Manufacturer	Model	ID	Cal. Done date	Cal. due date	Used at Par.
EMI Test receiver	Rohde & Schwarz	EPL1000	115435	01-2026	01-2027	3.2
EMI Receiver	Rohde & Schwarz	ESR7	114605	11-2024	11-2026	3.1, 3.3-3.4
Spectrum Analyzer	Rohde & Schwarz	FSV3044	114923	11-2025	11-2027	3.1
Biconical antenna + 6dB attenuator	EMCO	3109	107818	09-2025	09-2028	3.1
Biconical antenna + 6dB attenuator	Schwarzbeck + HP	VHA9103 + 8491A	114436	07-2024	07-2027	3.1
Logperiodic antenna	EMCO	3147	114385	02-2021	02-2026	3.1
Horn antenna	EMCO	3115	114607	01-2025	01-2028	3.1
Preamplifier 1-18 GHz	µComp Nordic	MCNA-40-0010800-25-10P	114771	10-2025	10-2026	3.1
Semi-Anechoic Chamber	ETS Lindgren	SAR	114624	08-2023	08-2026	3.1
Test software	Raditeq	Radimation Version 2024.2.1	--	--	--	3.1-3.3

*Note: Standard gain horn antennas do not need calibration
NA= Not Applicable

2.4 Sample calculations

All formulas for data conversions and conversion factors are reported in chapter 4 of this test report.

3 Test results

3.1 Radiated spurious emissions

3.1.1 Limit

15.225(d)

The field strength of any emissions appearing outside of the 13.110 -14.010 MHz band shall not exceed the general radiated emission limits in part 15.209.

FCC 15.209(a)

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance(m)
0.009 – 0.490	2400/F(kHz)	$20 \cdot \{\log[2400] - \log[F(\text{kHz})]\}$	300*
0.490 – 1.705	24000/F(kHz)	$20 \cdot \{\log[24000] - \log[F(\text{kHz})]\}$	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

*Note: Measured values in the plots 9 kHz to 30 MHz corrected to 30m or 300m limit distance according to the method described in ANSI C63.10-2020, clause 6.4

RSS-GEN

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Magnetic field strength (H-Field) (μA/m)	Magnetic field strength (H-Field) (dBμA/m)	Field strength (μV/m)	Field strength (dBμV/m)	Measurement distance(m)
0.009 – 0.490	6.37/F (kHz)	$20 \cdot \{\log[6.37] - \log[F(\text{kHz})]\}$	N.A.	$20 \cdot \{\log[6.37] - \log[F(\text{kHz})]\} + 51.5$	300*
0.490 – 1.705	63.7/F (kHz)	$20 \cdot \{\log[63.7] - \log[F(\text{kHz})]\}$	N.A.	$20 \cdot \{\log[63.7] - \log[F(\text{kHz})]\} + 51.5$	30*
1.705 - 30	0.08	-21.9	N.A.	29.6	30*
30 -88	N.A.	N.A.	100	40	3
88 - 216	N.A.	N.A.	150	43.5	3
216-960	N.A.	N.A.	200	46	3
Above 960	N.A.	N.A.	500	54	3

*Note: Measured values in the plots 9 kHz to 30 MHz corrected to 30m or 300m limit distance according to the method described in ANSI C63.10-2020, clause 6.4.

3.1.2 Measurement instruments

The measurement instruments are listed in chapter 2.3 of this report.

3.1.3 Test setup

The test setup is as shown in chapter 2.2 of this report.

3.1.4 Test procedure

9 kHz – 30 MHz: According to ANSI C63.10-2020, section 6.4

30 MHz to 26.5 GHz: According to ANSI C63.10-2020, section 6.5 and 6.6

9 kHz to 30 MHz: IRN 441 – Method 10

30 MHz to 1 GHz: IRN 441 – Method 1

1 GHz to 18 GHz: IRN 441– Method 2

18 to 26 GHz: IRN 441– Method 3

In case of handheld and/or body-worn equipment, the EUT's orientation (X, Y, Z) was varied in order to ensure that maximum emission amplitudes were attained. In all other cases the associated cabling and the EUT orientation was varied for maximum emissions.

The spectrum was examined from 0.009 MHz to 10 times X GHz, not more than the 10th harmonic of the highest intentional generated frequency (X GHz). Final radiated emission measurements were made at 3m distance.

The 6 highest emission amplitudes relative to the appropriate limit were recorded in this report. Field strength values of radiated emissions at frequencies not listed in the tables are more than 20 dB below the applicable limit.

3.1.5 Measurement Uncertainty

Frequency range	Polarization	Uncertainty
9 kHz – 30 MHz	--	±1.6 dB
30 – 200 MHz	Horizontal	±4.5 dB
	Vertical	±5.4 dB
200 -1000 MHz	Horizontal	±3.6 dB
	Vertical	±4.6 dB
1 – 18 GHz	Horizontal	±5.7 dB
	Vertical	±5.7 dB
18 – 26.5 GHz	Horizontal	±4.9 dB
	Vertical	±4.9 dB

3.1.6 Test results

9 – 150 kHz:

Peak Number	Frequency (MHz)	Quasi-Peak (dBμV/m)	Quasi-Peak Limit (dBμV/m)	Angle (degrees)	Height (m)	Polarization	Status
1	13,56	5	29,5	45	1	Horizontal	Pass

150 kHz – 30 MHz:

Peak Number	Frequency (MHz)	Quasi-Peak (dBμV/m)	Quasi-Peak Limit (dBμV/m)	Angle (degrees)	Height (m)	Polarization	Status
1	13,56	20,7	29,5	299	1	Horizontal	Pass

Peak Number	Frequency (MHz)	Quasi-Peak (dBμV/m)	Quasi-Peak Limit (dBμV/m)	Angle (degrees)	Height (m)	Polarization	Status
1	13,56	5	29,5	45	1	Horizontal	Pass

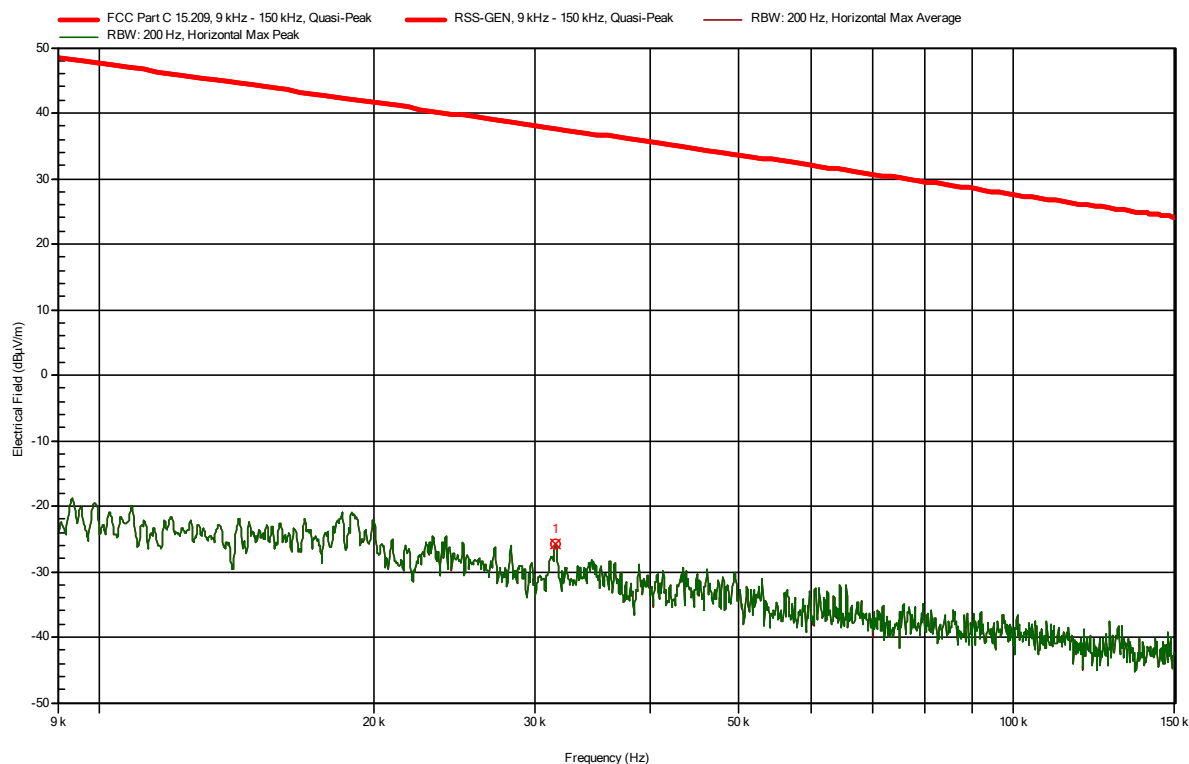
30 – 250 MHz:

Peak Number	Frequency (MHz)	Quasi-Peak (dBμV/m)	Quasi-Peak Limit (dBμV/m)	Angle (degrees)	Height (m)	Polarization	Status
1	31,028	38,4	40	191	1	Vertical	Pass
2	48,444	34,4	40	329	1,5	Vertical	Pass
3	47,818	37,2	40	191	1	Vertical	Pass
4	37,391	31,7	40	36	1	Vertical	Pass
5	36,204	31,9	40	0	1	Vertical	Pass
6	187,506	35,8	43,5	344	1	Vertical	Pass

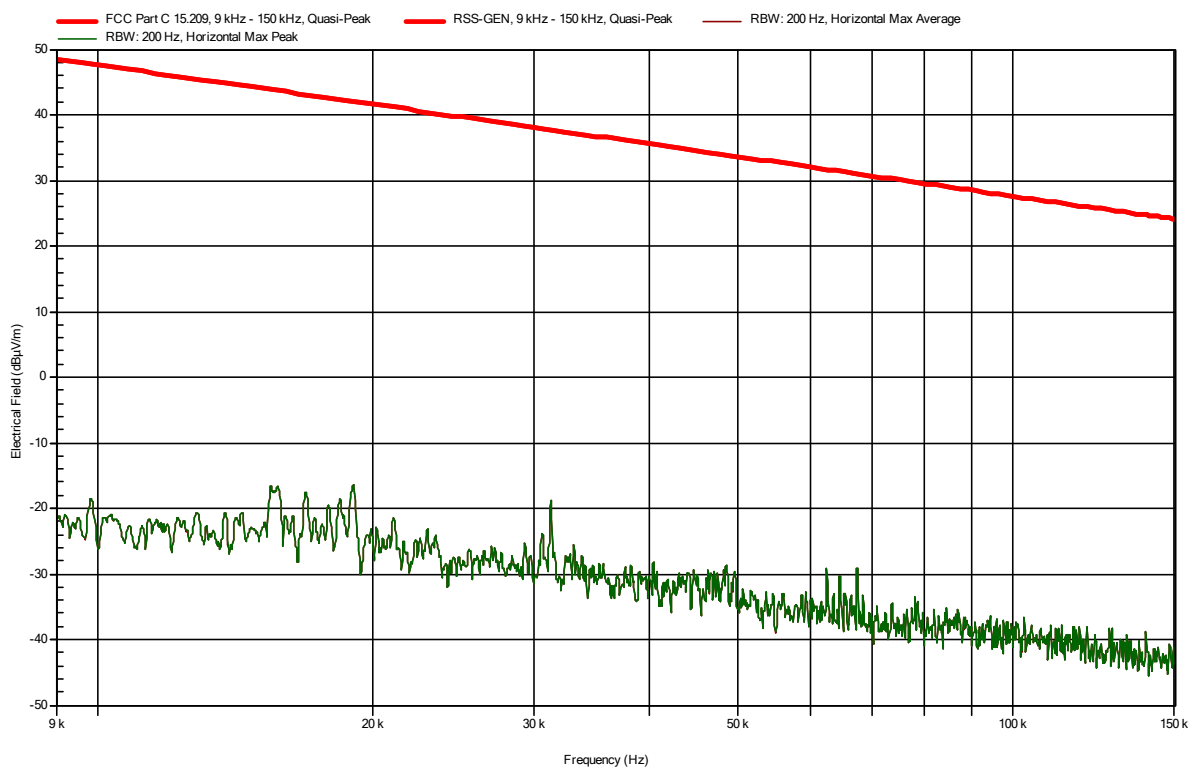
250 – 1000 MHz:

Peak Number	Frequency (MHz)	Quasi-Peak (dBμV/m)	Quasi-Peak Limit (dBμV/m)	Angle (degrees)	Height (m)	Polarization	Status
1	437,548	39,3	46	279	1	Vertical	Pass
2	500,044	38,4	46	127	3	Vertical	Pass

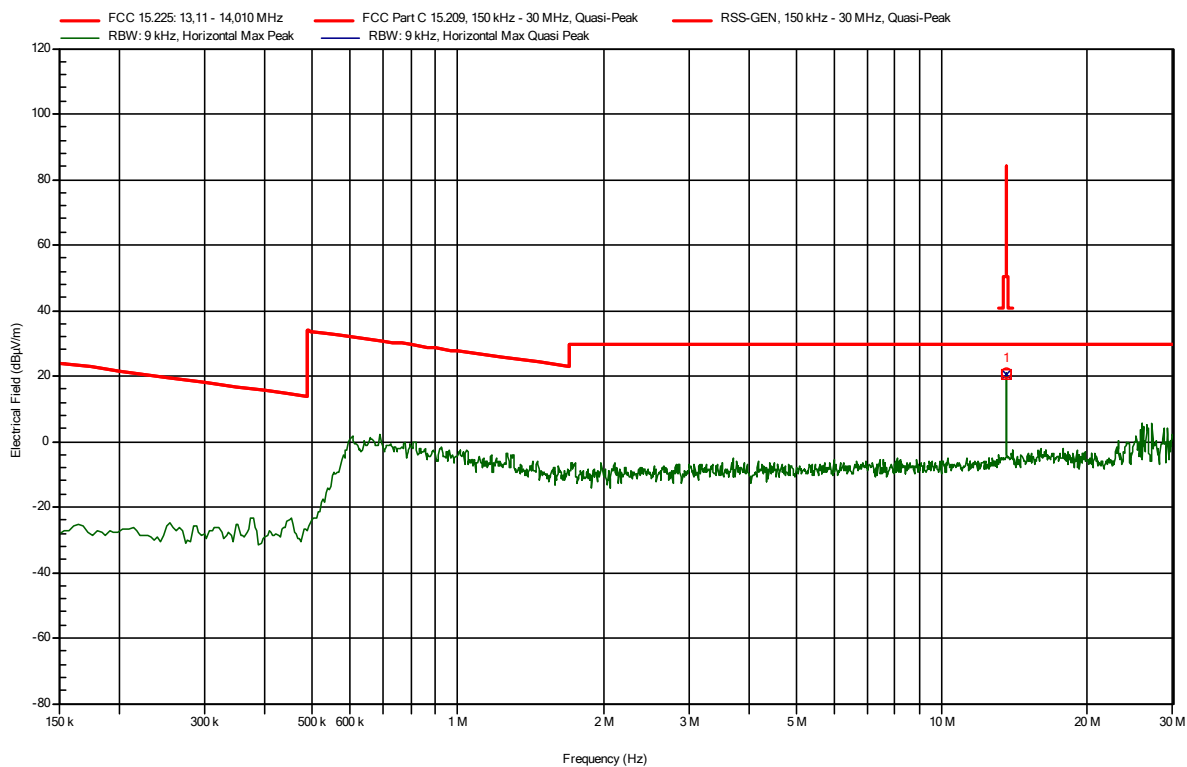
3.1.7 Plots of the Radiated Spurious Emissions Measurement



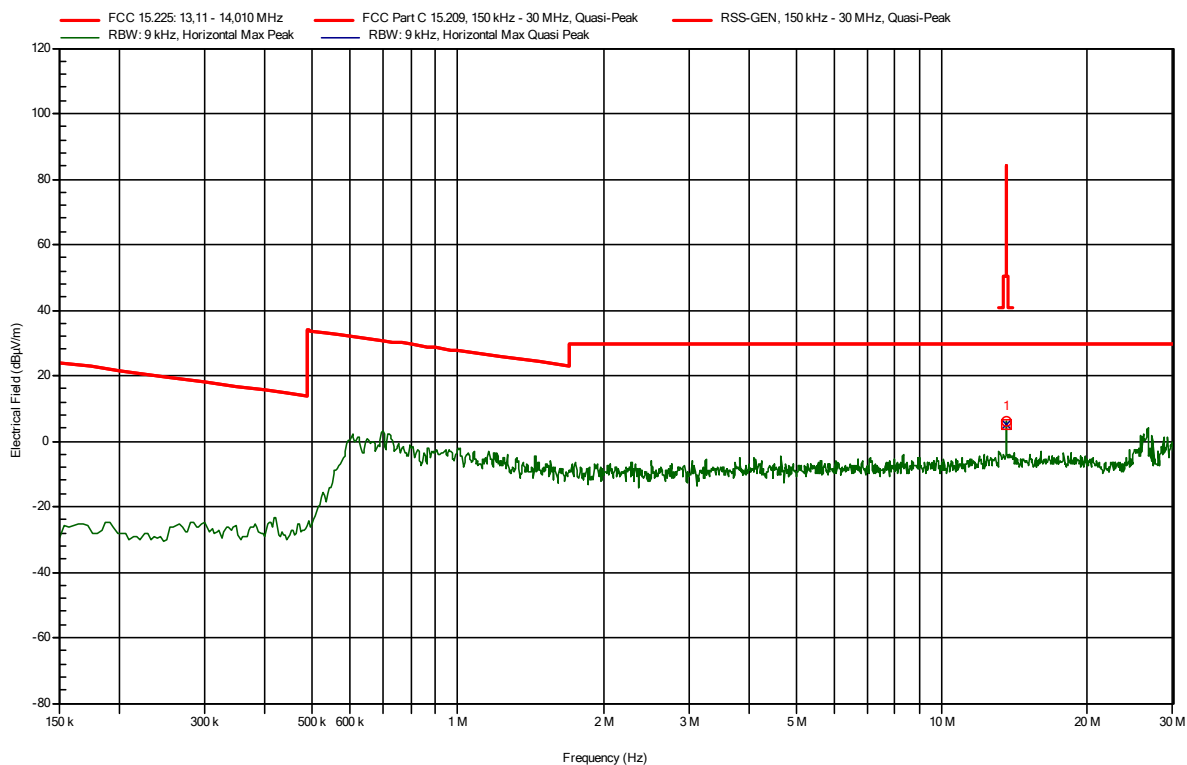
Plot 1a: radiated emissions of the EUT, Antenna perpendicular, in the range 9 – 150KHz
(pre-scan peak values shown)



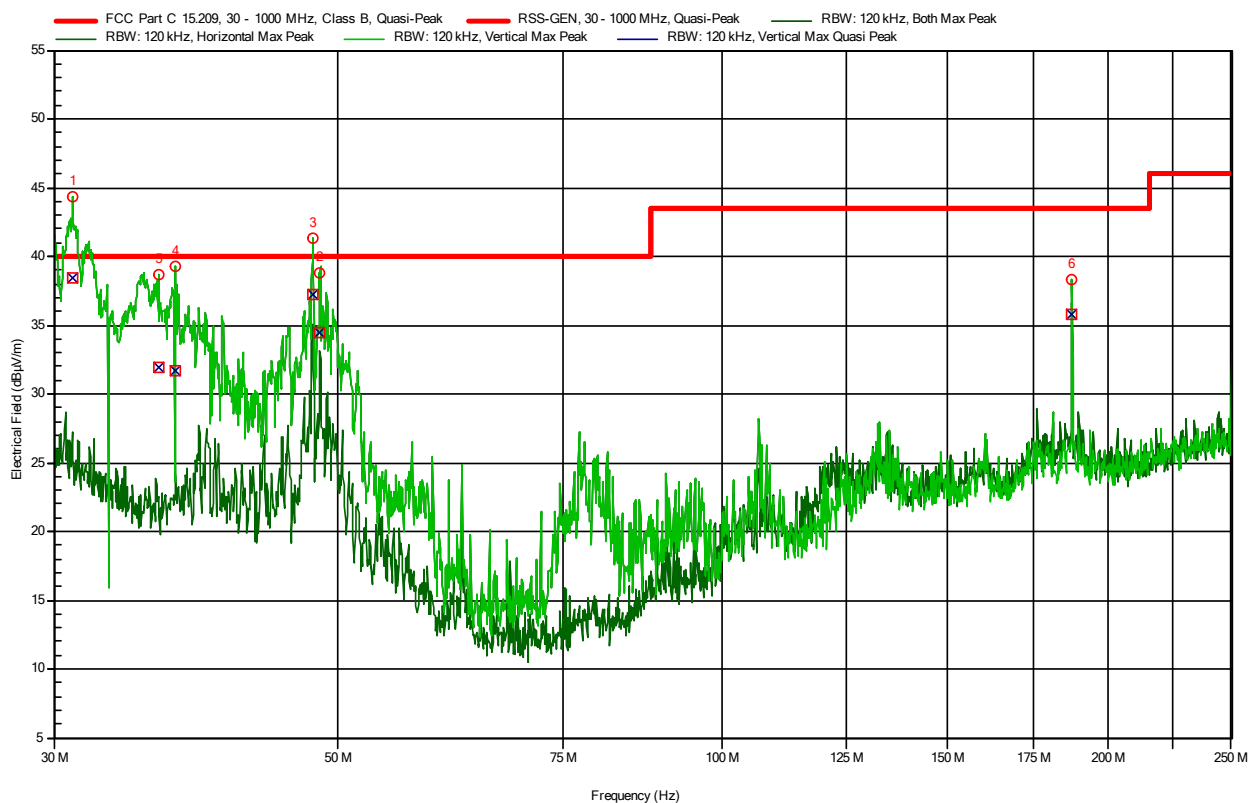
Plot 1b: radiated emissions of the EUT, Antenna parallel, in the range 9 – 150KHz
(pre-scan peak values shown)



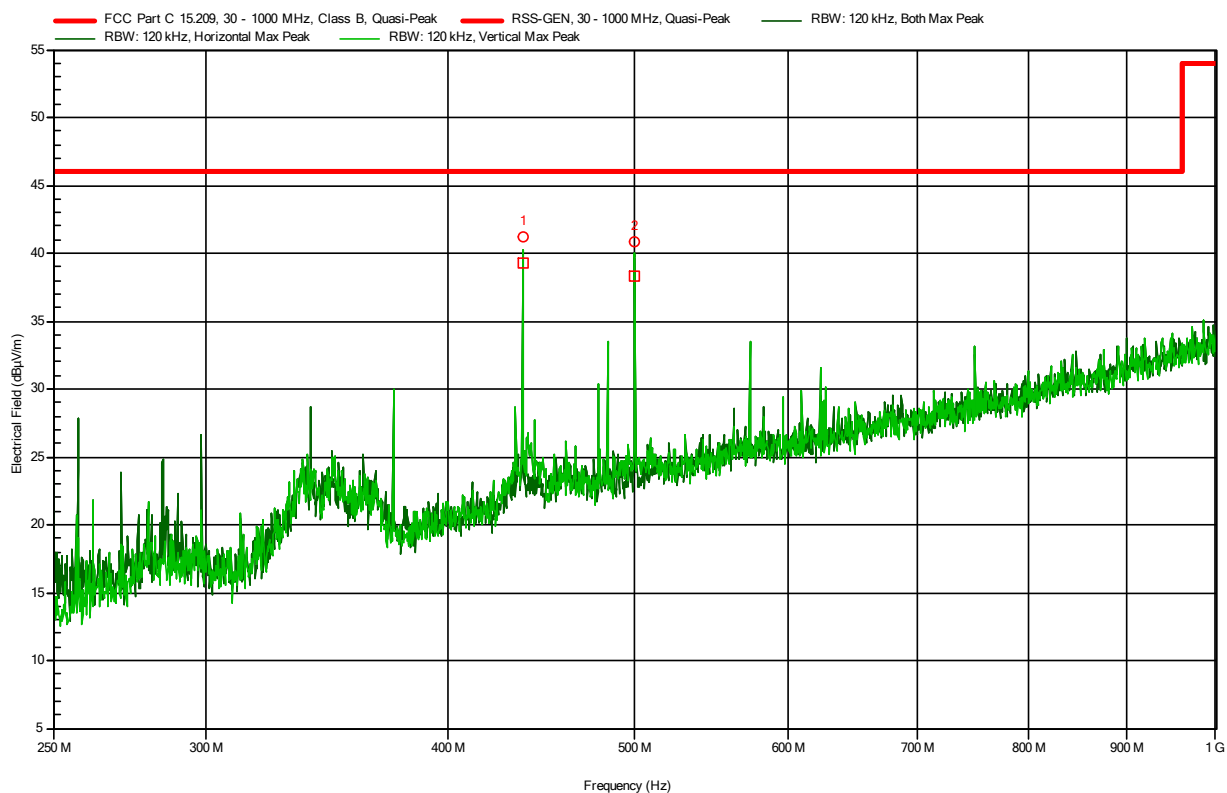
Plot 2a: radiated emissions of the EUT, Antenna perpendicular, in the range 150KHz-30 MHz (pre-scan peak values shown)



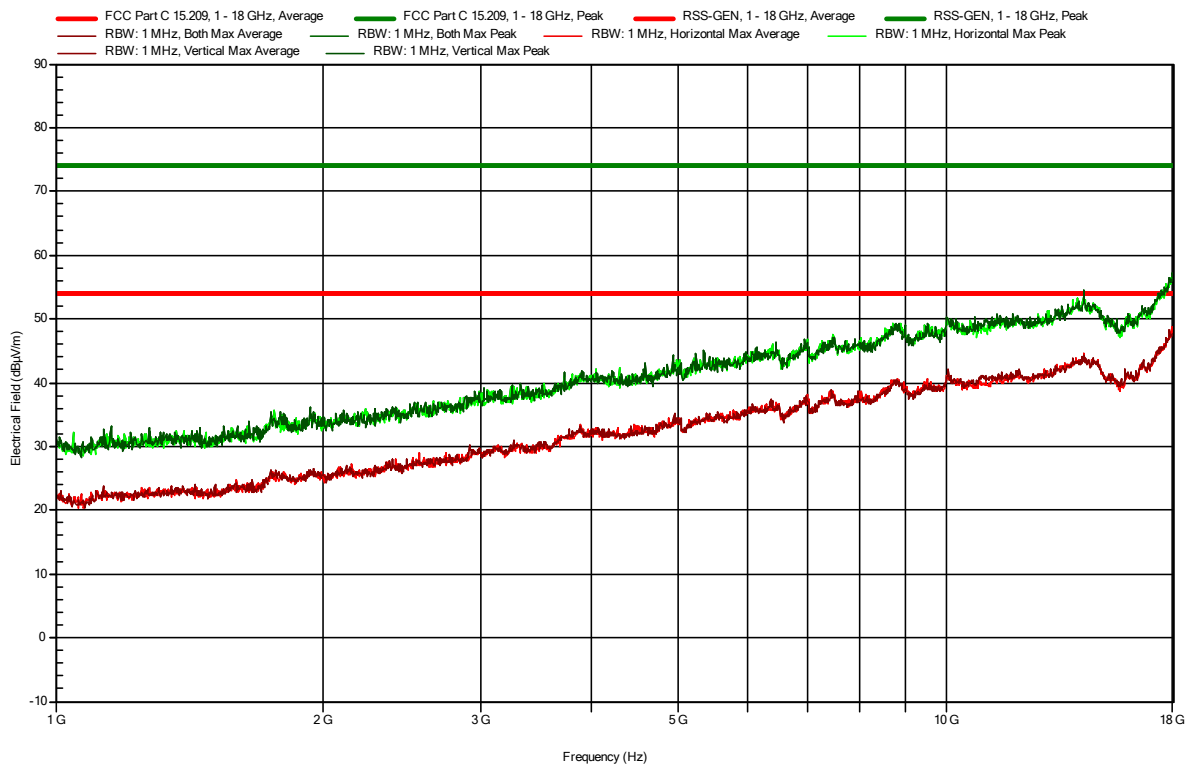
Plot 2b: radiated emissions of the EUT, Antenna parallel, in the range 150KHz-30 MHz (pre-scan peak values shown)



Plot 3a: radiated emissions of the EUT, Antenna vertical and horizontal, in the range 30 – 250 MHz
(pre-scan peak values shown)



Plot 4a: radiated emissions of the EUT, Antenna vertical and horizontal, in the range 250-1000 MHz
(pre-scan peak values shown)



Plot 5a: radiated emissions of the EUT, Antenna vertical and horizontal, in the range 1 – 18 GHz (peak and average values shown)

3.2 99% Occupied Bandwidth/ 20 dB Bandwidth

3.2.1 Limit

According to RSS-Gen 6.7

3.2.2 Measurement instruments

The measurement instruments are listed in chapter 2.3 of this report.

3.2.3 Test setup

The test setup is as shown in chapter 2.2 of this report.

3.2.4 Test procedure

According to ANSI C63.10, section 6.9

IRN 404 - Occupied bandwidth (Hz) Method 1 – XX % power bandwidth.

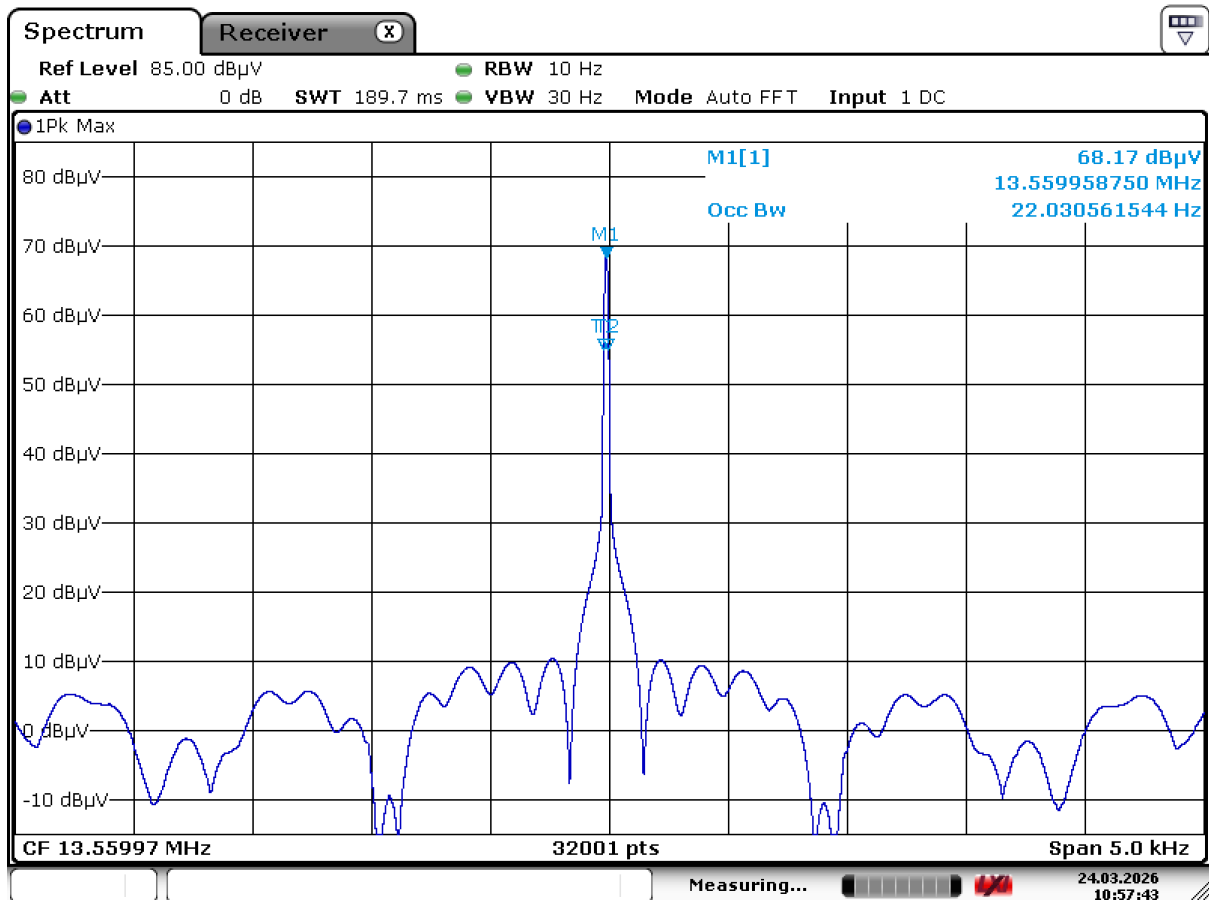
3.2.5 Test results of the 99% occupied bandwidth measurement

Technology Std.	Channel	Frequency (MHz)	Data rate	99% bandwidth (Hz)
RFID	--	13.56	--	22.03
Uncertainty	± 12 Hz			

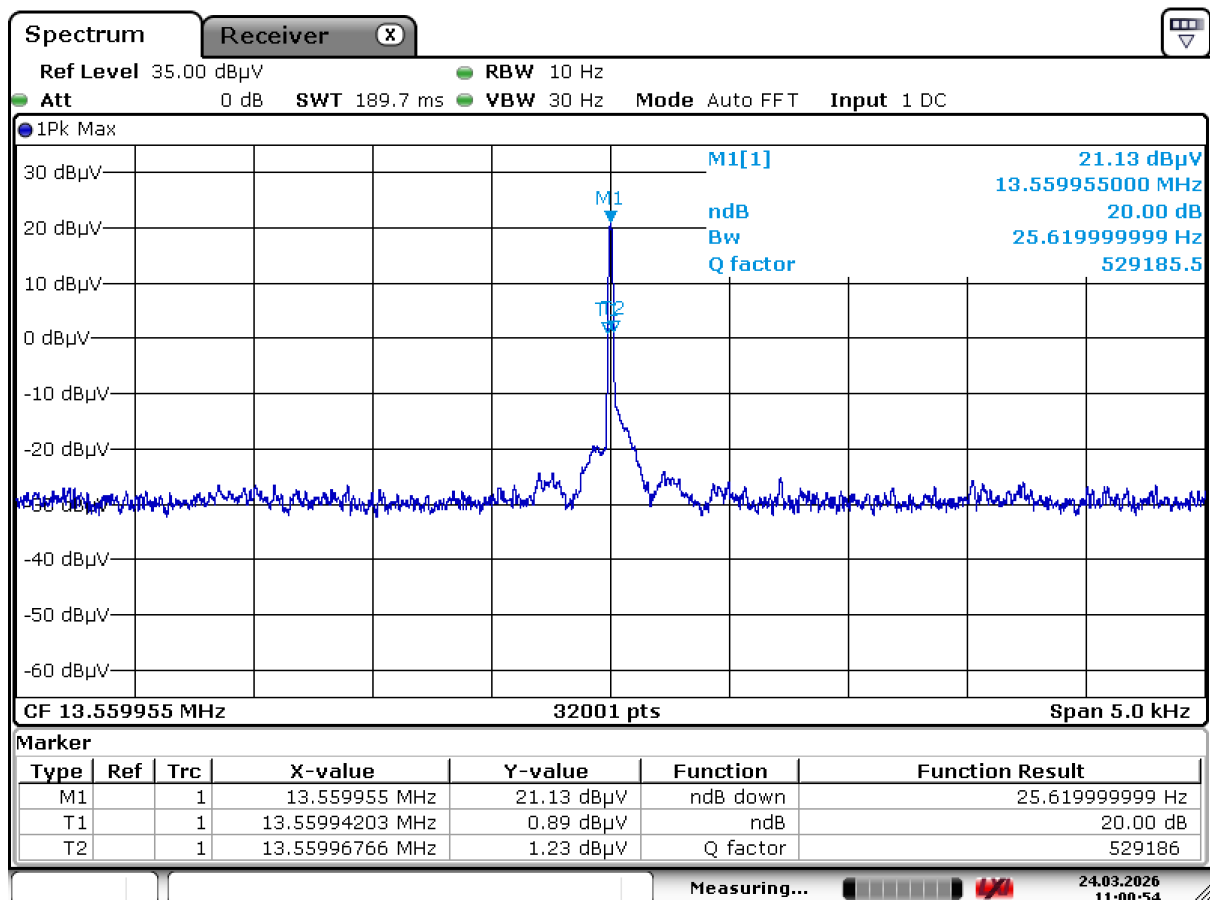
3.2.6 Test results of the 20dB bandwidth measurement

Technology Std.	n dB Down	Frequency (MHz)	Lower Frequency (kHz)	Upper Frequency (kHz)
RFID	20	13.56	13.55994	13.55996
Uncertainty	± 12 Hz			

3.2.7 Plots of the 99% occupied bandwidth measurement



3.2.8 Plots of the 20dB bandwidth measurement



3.3 AC Power-line conducted emissions

3.3.1 Limit

According to 15.207 (a), (c)

An intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms line impedance stabilization network (LISN).

Devices that include, or make provisions for, the use of battery chargers which permit operating while charging, AC adapters or battery eliminators or that connect to the AC power lines indirectly, obtaining their power through another device which is connected to the AC power lines, shall be tested to demonstrate compliance with the conducted limits.

Since the FCC and RSS limits are exactly the same, the plots only show FCC limits.

Frequency (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 ¹	56 to 46 ¹
0.5 – 5	56	46
5 – 30	60	50

Note 1: The level decreases linearly with the logarithm of the frequency.

3.3.2 Measurement instruments

The measurement instruments are listed in chapter 2.3 of this report.

3.3.3 Test setup

The test setup is as shown in chapter 2.2 of this report.

3.3.4 Test procedure

According to ANSI C63.10-2020 Section 6.2
IRN 439 – Method 1

3.3.5 Measurement uncertainty

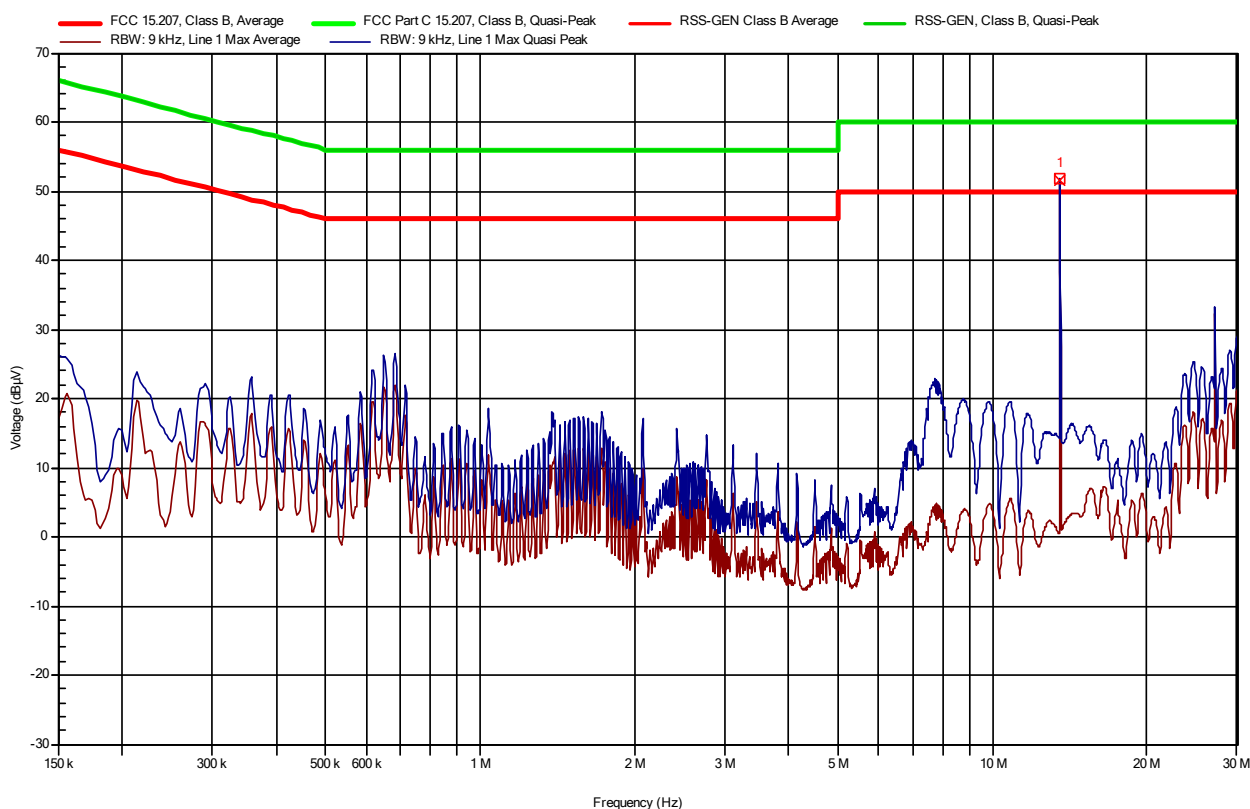
+/- 3.6 dB

3.3.6 AC Power Line Conducted emission data of the EUT, results

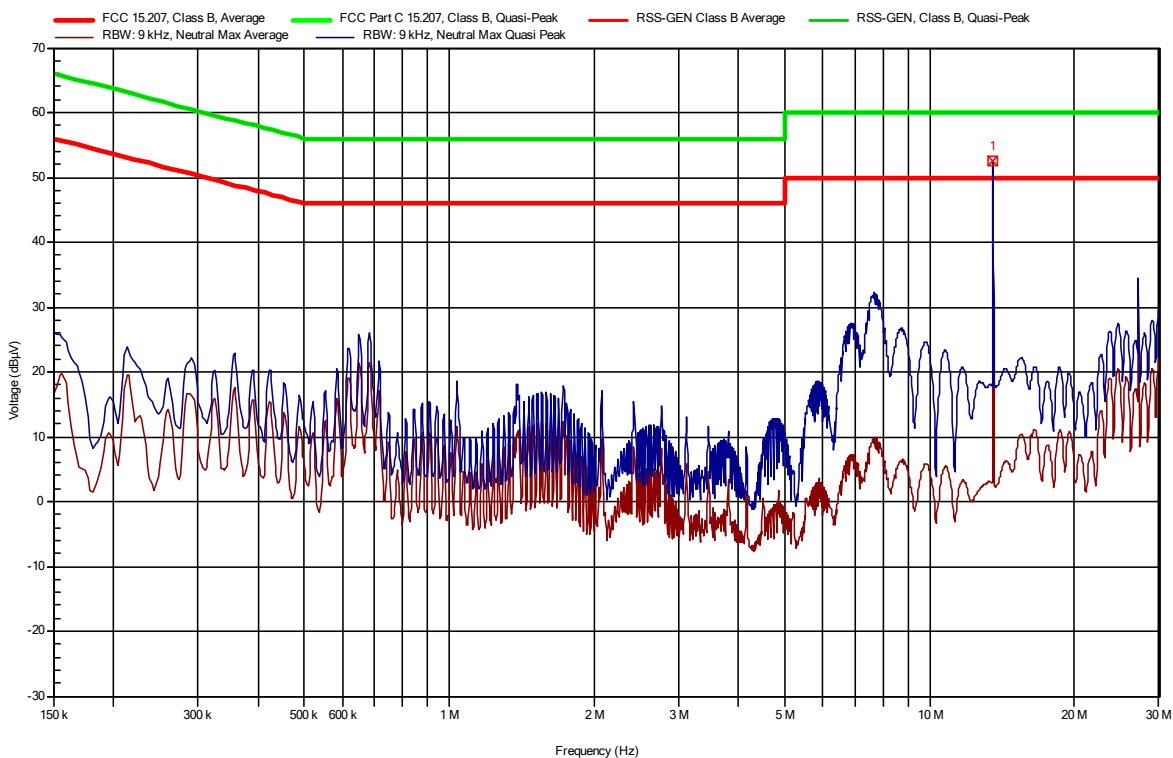
Peak Number	Frequency (MHz)	Quasi-Peak (dBμV)	Quasi-Peak Limit (dBμV)	Average (dBμV)	Average Limit (dBμV)	Status
1	13,56	25,4	60	22	50	Pass

Peak Number	Frequency (MHz)	Quasi-Peak (dBμV)	Quasi-Peak Limit (dBμV)	Average (dBμV)	Average Limit (dBμV)	Status
1	13,56	25,7	60	21,6	50	Pass

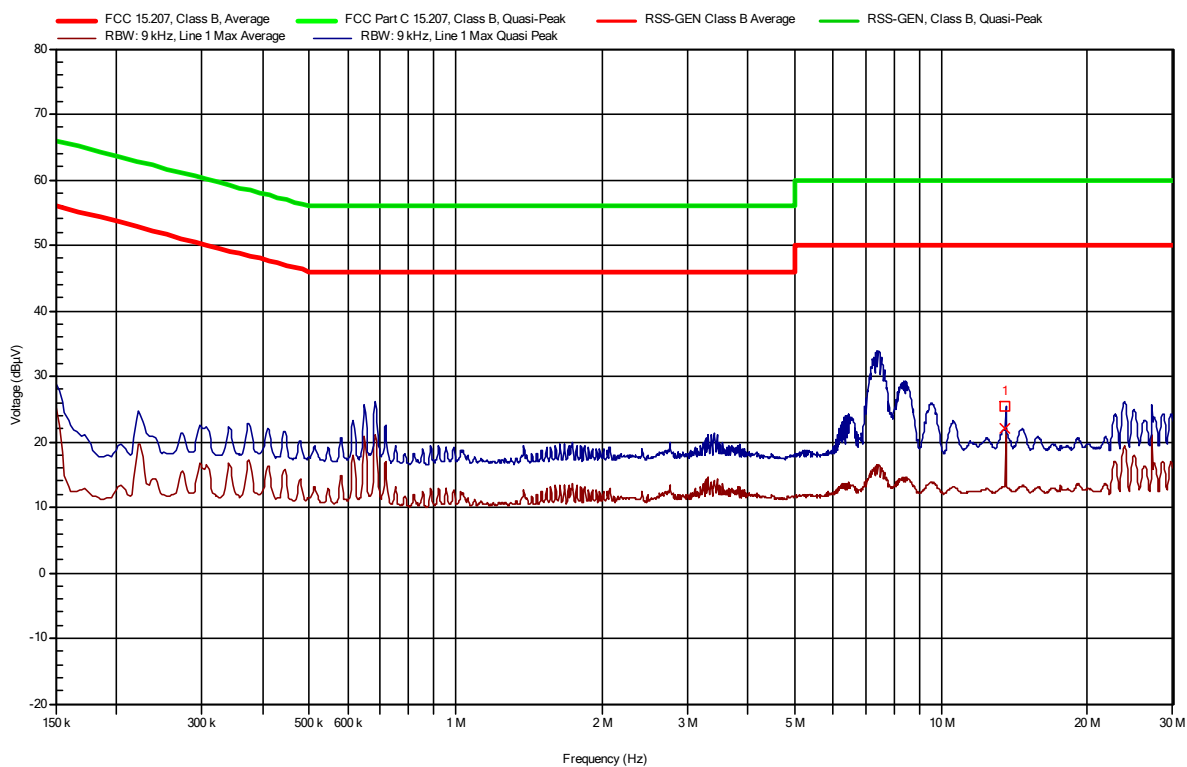
3.3.7 Plots of the AC mains conducted spurious measurement



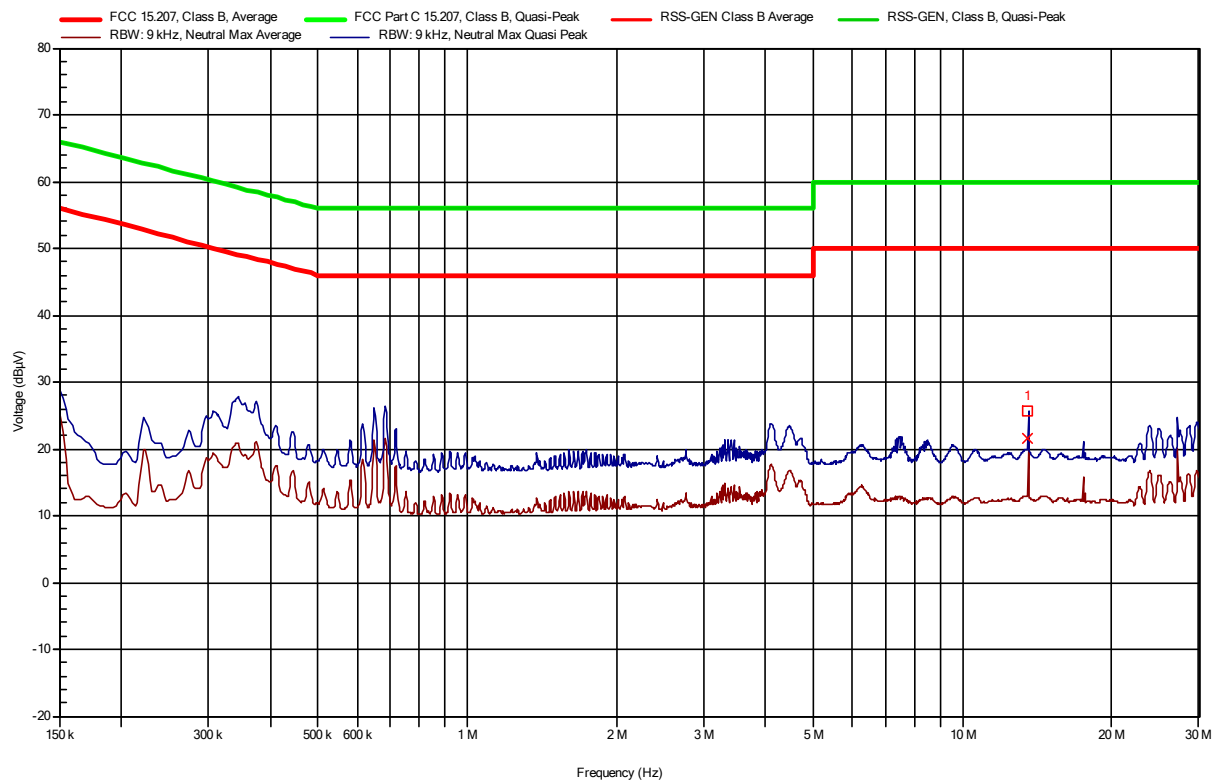
Pre-scan plot with peak detector of the AC Power-line Conducted emissions on **Phase, RFID on**



Pre-scan plot with peak detector of the AC Power-line Conducted emissions on **Neutral, RFID On**



Pre-scan plot with peak detector of the AC Power-line Conducted emissions on **Phase, Dummy Load**



Pre-scan plot with peak detector of the AC Power-line Conducted emissions on **Neutral, Dummy Load**

3.4 Field strength of emissions

3.4.1 Limit

15.225 (a) (b) (c)

Frequency (MHz)	$\mu\text{V/m}$ at 30 meter	$\text{dB}\mu\text{V/m}$ at 30 meter
13.553 – 13.567	15,848	84
13.410 – 13.553 and 13.567 – 13.710	334	50.5
13.110 – 13.410 and 13.710 - 14.010	106	40.5

15.225(d)

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Field strength ($\text{dB}\mu\text{V/m}$)	Measurement distance(m)
0.009 - 0.490	$2400/F(\text{kHz})$	$67.6-20 \log(F(\text{kHz}))$	300
0.490 – 1.705	$24000/F(\text{kHz})$	$87.6-20 \log(F(\text{kHz}))$	30
14.010 - 30	30	29.5	30

3.4.2 Measurement instruments

The measurement instruments are listed in chapter 2.3 of this report.

3.4.3 Test setup

The test setup is as shown in chapter 2.2 of this report.

3.4.4 Test procedure

According to ANSI C63.10-2020, section 6.4.4.2

IRN 441 – Method 10

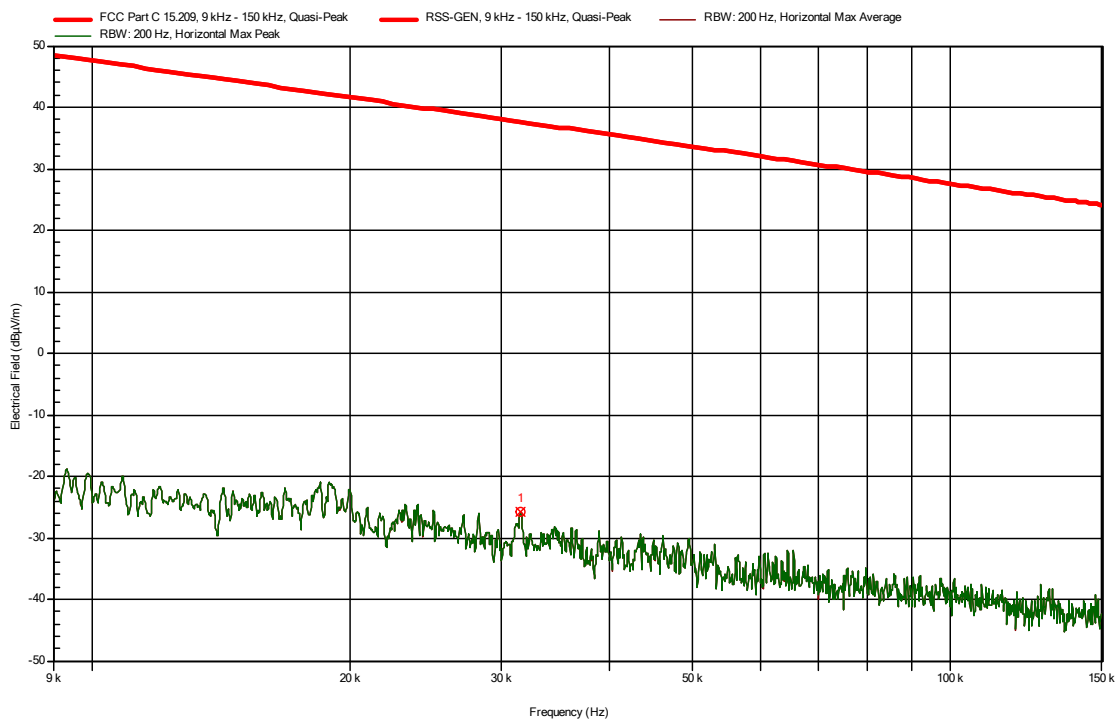
3.4.5 Test results of Field strength of emissions

Frequency (MHz)	Max Field strength at 30m ($\text{dB}\mu\text{V/m}$) (Perpendicular to site axis)	Max Field strength at 30m ($\text{dB}\mu\text{V/m}$) (Parallel to site axis)	Limit ($\text{dB}\mu\text{V/m}$) at 30m distance
13.56	20.7	5	29.5
Uncertainty	+3.0 / -2.5 dB		

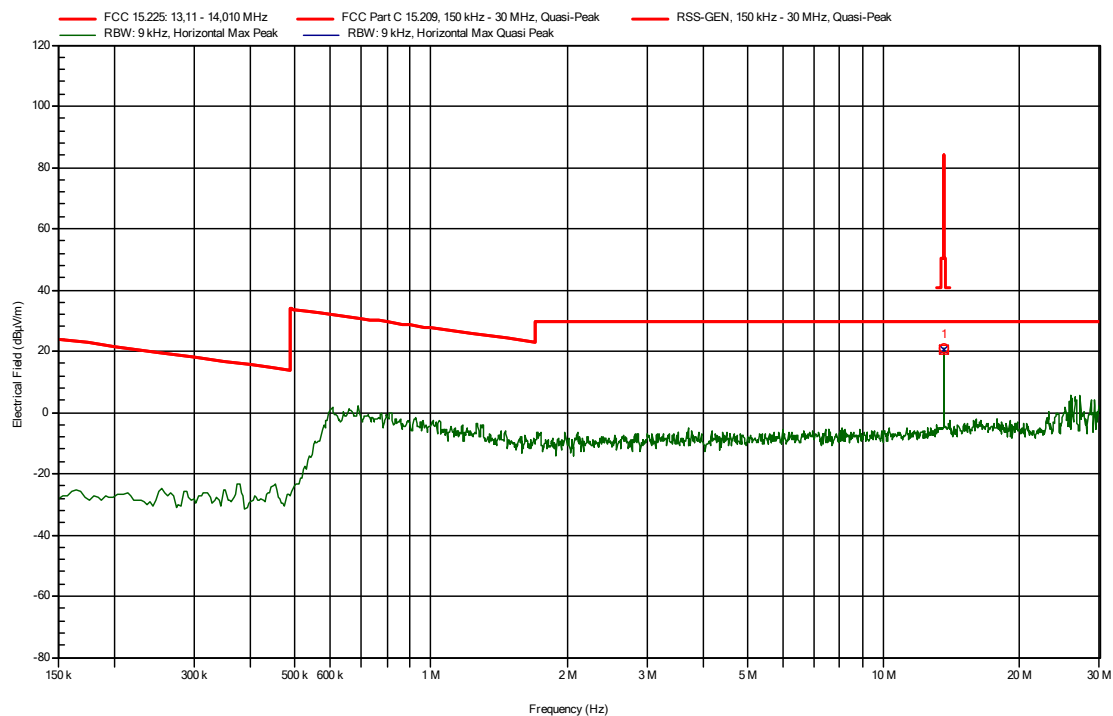
3.4.6 Plots of Field strength of emissions Measurement

Loop antenna perpendicular to site axis

9 kHz – 150 kHz

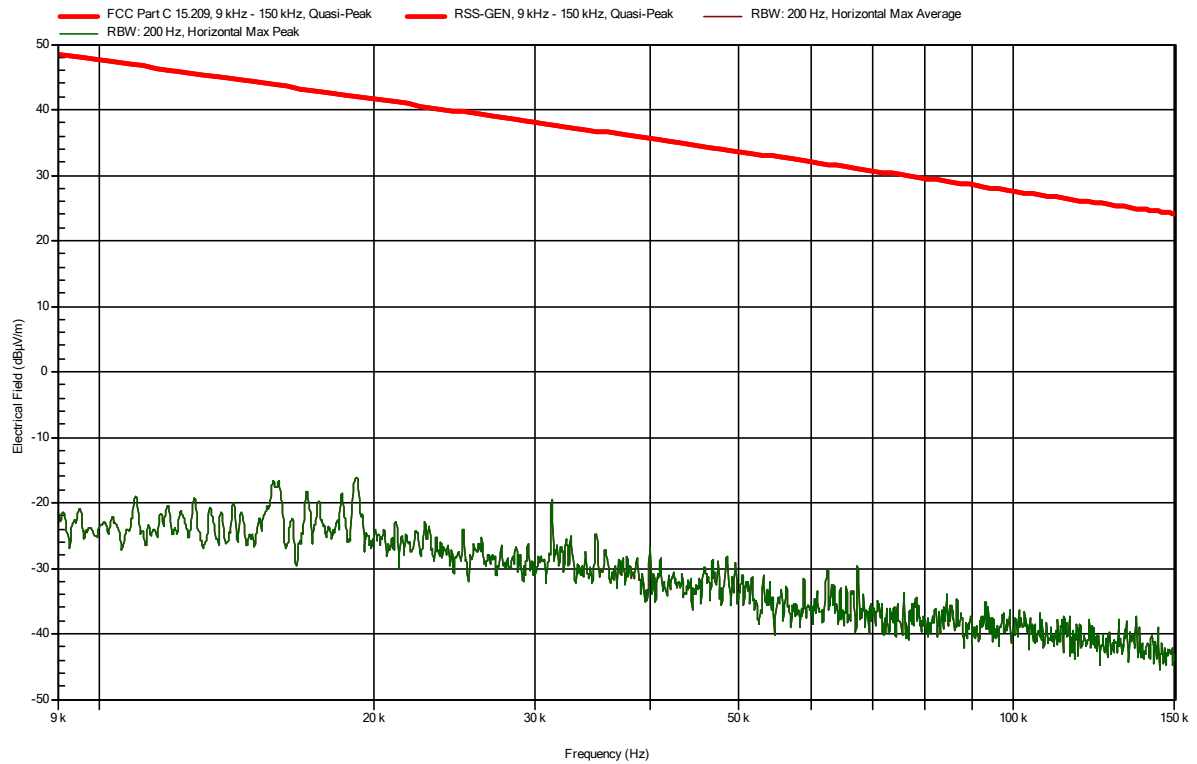


150 kHz to 30 MHz

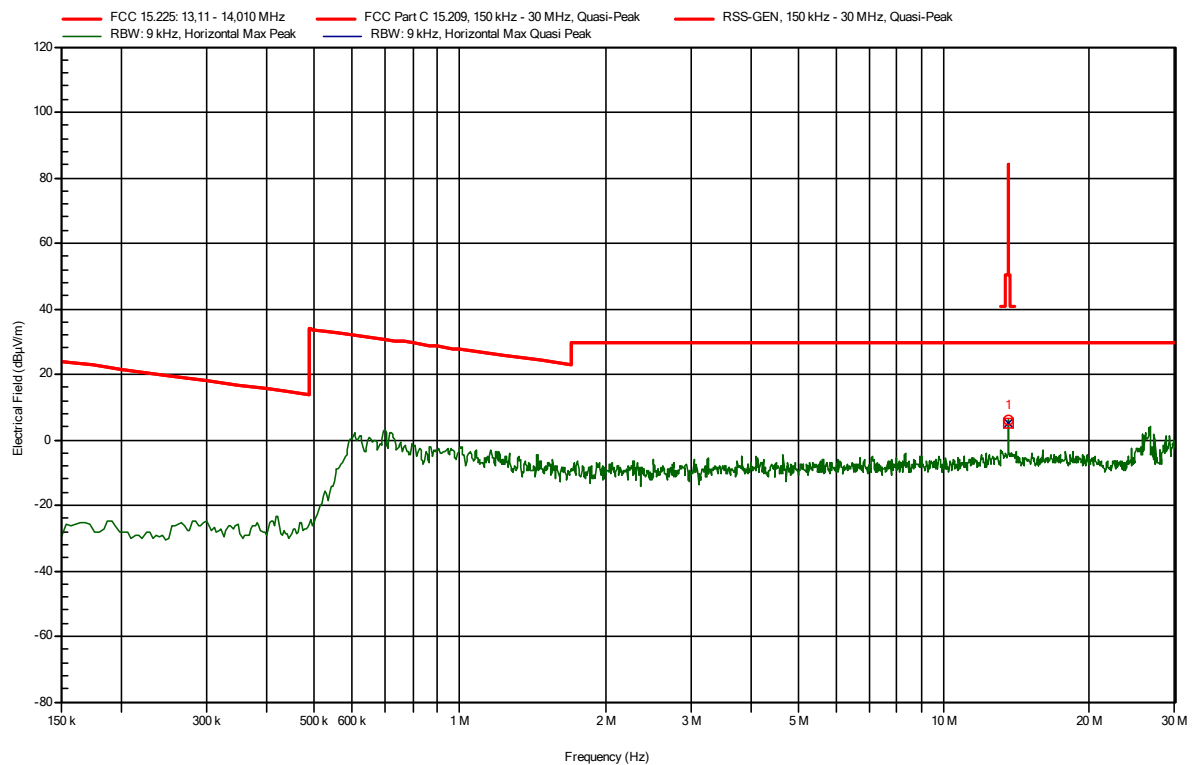


Loop antenna parallel to site axis

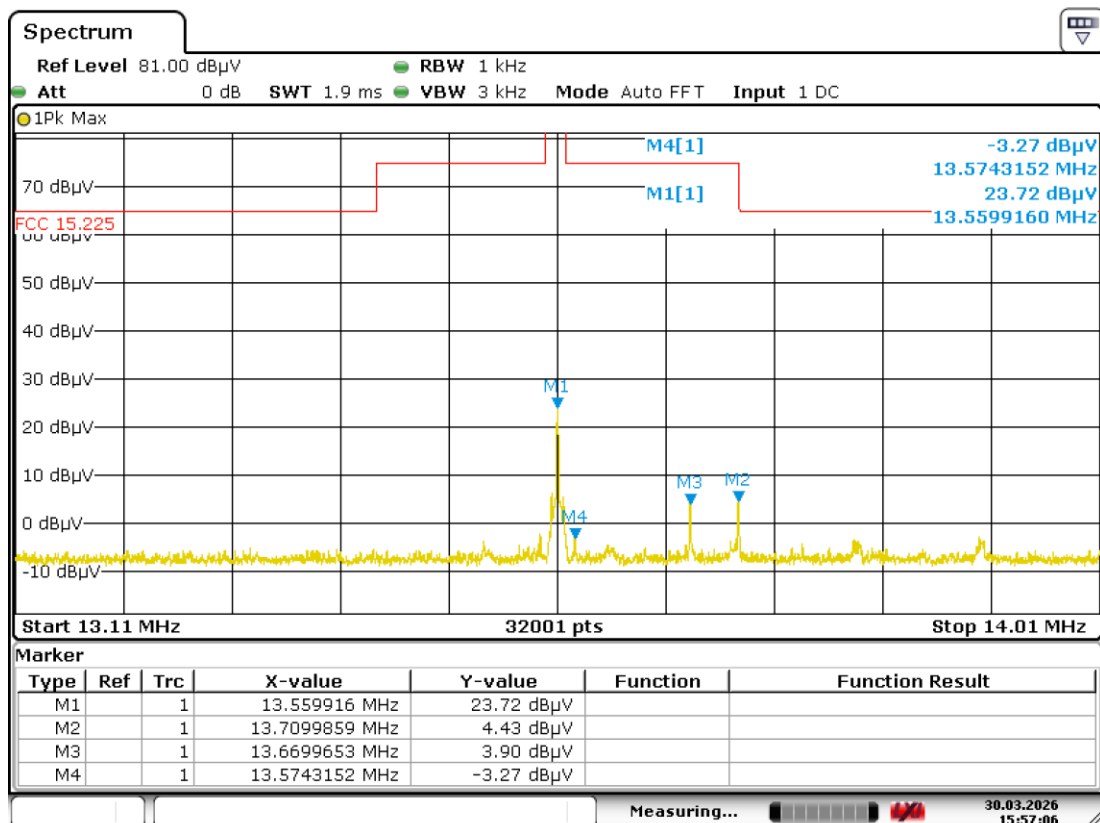
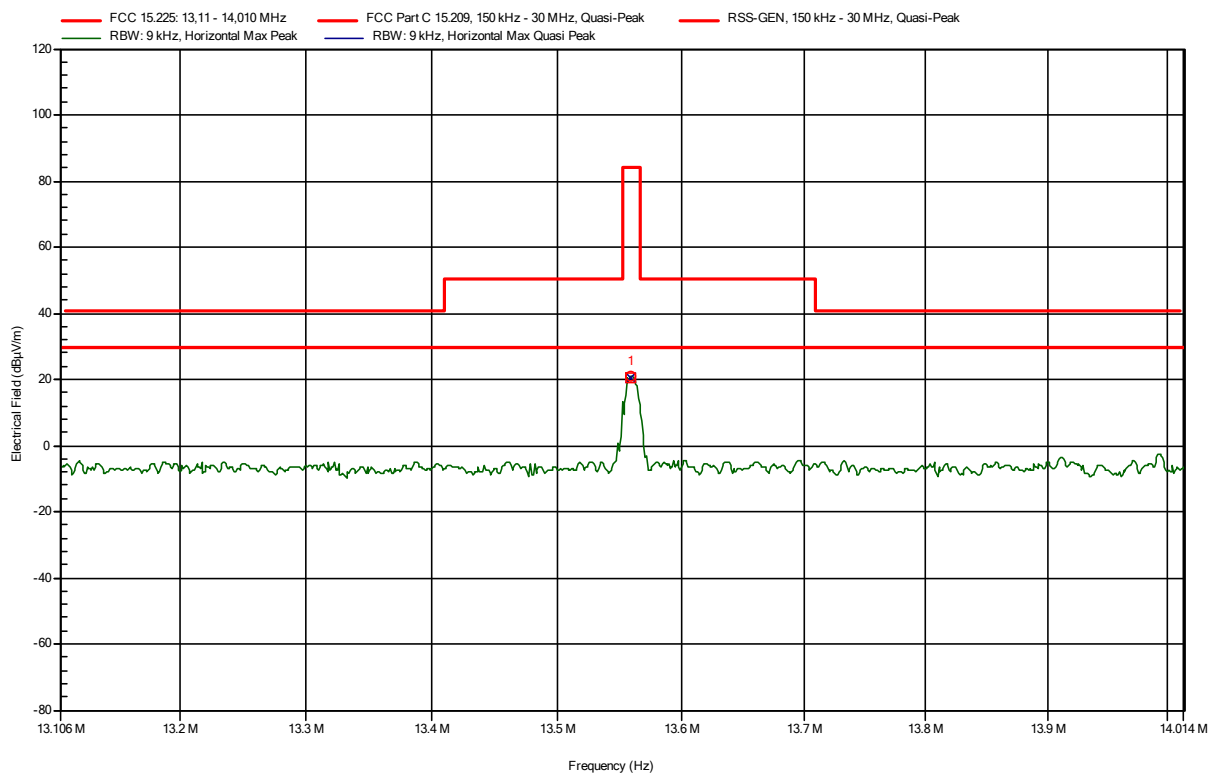
9 kHz – 150 kHz



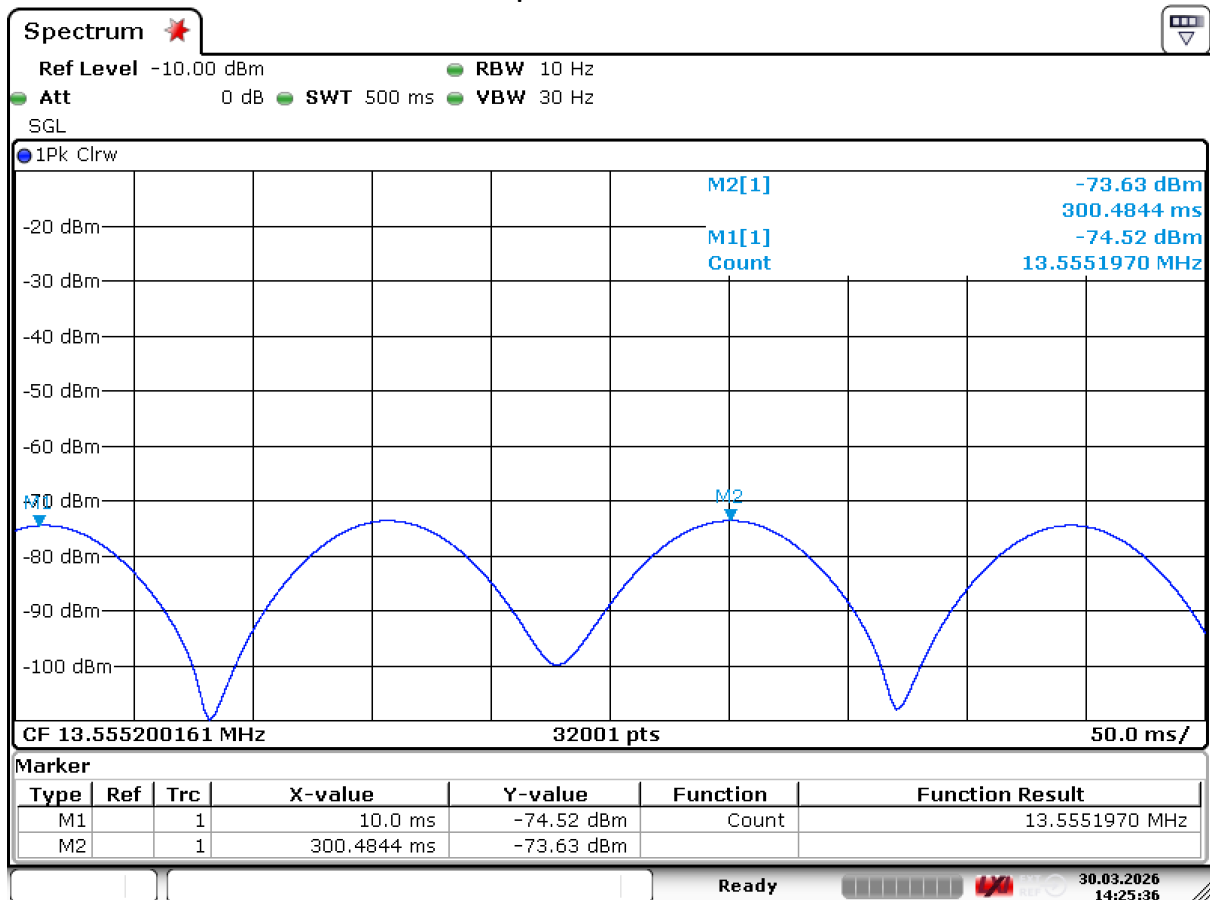
150 kHz to 30 MHz



13.11 MHz – 14.01 MHz



Amplitude Modulation:



3.5 Frequency Stability

3.5.1 Limit

The frequency stability of the carrier signal shall be maintained within $\pm 0.01\%$ of the operating frequency over a temperature variation of -20 degrees to 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

The measured frequency for the 13.56 MHz radio should fall within the limits $13558.644 \text{ kHz} \leq f \leq 13561.356 \text{ kHz}$.

3.5.2 Measurement instruments

The measurement instruments are listed in chapter 2.3 of this report.

3.5.3 Test setup

The test has been performed in a climatic chamber using a test fixture

3.5.4 Test procedure

According to ANSI C63.10-2020, section 6.8
IRN 400 – Method 2

3.5.5 Test results of Frequency Stability Measurements

Temperature variation:

Temperature	Frequency (MHz) after power on	Frequency (MHz) after 2 minutes	Frequency (MHz) after 5 minutes	Frequency (MHz) after 10 minutes
50°C	13.5598888	13.5598856	13.5598834	13.5598830
40°C	13.5599190	13.5599110	13.5599069	13.5599050
30°C	13.5599510	13.5599372	13.5599333	13.5599304
20°C	13.5599713	13.5599673	13.5699632	13.5599598
10°C	13.5599893	13.5599853	13.5599835	13.5599825
0°C	13.5599894	13.5599910	13.5599908	13.5599906
-10°C	13.5599690	13.5599808	13.5599832	13.5598465
-20°C	13.5599378	13.5599479	13.5599521	13.5599536

Voltage variation:

Voltage	Frequency (MHz)	Deviation (%) ^{*)}	Limit (%)
102 V	13.5599600	0.00029498	0.01
120 V	13.5599580	0.00030973	0.01
138 V	13.5599670	0.00024336	0.01

^{*)} w.r.t. nominal frequency of 13.56 MHz

3.5.6 Measurement Uncertainty

Measurement uncertainty = ± 10 Hz

4 Sample calculations

All formulas for data conversions and conversion factors are reported in this chapter.

Conducted emission Measurement:

$$U_{\text{lisn}} (\text{dB}\mu\text{V}) = U (\text{dB}\mu\text{V}) + \text{Corr. (dB)}$$

Where:

U = Measuring receiver voltage

LISN insertion loss = Voltage division factor of LISN

Corr. = sum of single correction factors of used LISN, cables and pulse limiter.

Linear interpolation will be used for frequencies in between the values in the table.

Frequency (MHz)	Voltage division LISN (db)	Cable loss (dB)	Corr. (dB)
	114379 SN: 230000813 Rohde & Schwarz ENV 216	114770	
0.15	9.7	0.02	9.72
0.2	9.68	0.03	9.71
0.3	9.68	0.03	9.71
0.5	9.69	0.08	9.77
0.7	9.69	0.25	9.94
0.8	9.69	0.25	9.94
1	9.68	0.11	9.79
2	9.7	0.15	9.85
3	9.71	0.21	9.92
5	9.72	0.21	9.93
7	9.76	0.25	10.01
8	9.77	0.25	10.02
10	9.77	0.29	10.06
15	9.84	0.34	10.18
20	9.88	0.37	10.25
25	9.97	0.43	10.4
30	10.08	0.45	10.53

Magnetic field strength measurement:

$$H \left[\text{dB} \left(\mu \frac{\text{A}}{\text{m}} \right) \right] = V [\text{dB}(\mu\text{V})] + AF^H \left[\frac{\text{dB}}{\Omega\text{m}} \right] + \text{Corr. (dB)}$$

Where:

H is the magnetic field strength (to be compared to the limit)

V is the voltage level measured by the receiver or spectrum analyzer

AF^H is the magnetic antenna factor

Corr. = sum of single correction factors of used cable and amplifier (if applicable).

Linear interpolation will be used for frequencies in between the values in the table.

Tables shows an extract of the values.

Electric field strength measurement:

$$E \left[dB \left(\mu \frac{V}{m} \right) \right] = V[dB(\mu V)] + AF \left[\frac{dB}{m} \right] + \text{Corr. (dB)}$$

Where:

E is the electric field strength (to be compared to the limit)

V is the voltage level measured by the receiver or spectrum analyzer

AF is the electric antenna factor

Corr. = sum of single correction factors of used cable and amplifier (if applicable).

Linear interpolation will be used for frequencies in between the values in the table.

Tables shows an extract of the values.

Frequency (MHz)	AF ^H	AF	300m to 3m and 30m to 3m correction (dB)	Cable Loss (dB)	Corr. (dB)
	ID: 114515 EMCO 6502	ID: 114515 EMCO 6502		ID: 114928	
0.009	-33.03	18.89	80	0	-80
0.01	-33.88	18.03	80	0	-80
0.02	-38.29	13.51	80	0	-80
0.03	-39.87	11.85	80	0	-80
0.04	-40.55	11.1	80	0	-80
0.1	-41.38	10.18	80	0	-80
0.2	-41.51	10.03	78.2	0.1	-78.1
0.49	-41.56	9.97	70.2	0.3	-69.9
0.5	-41.57	9.96	40	0.3	-39.7
1	-41.61	9.91	40	0.4	-39.6
3	-41.59	9.88	34.5	0.4	-34.1
5	-41.59	9.89	30.1	0.5	-29.6
10	-41.77	9.62	24	0.6	-23.4
15	-42.23	9.1	20.5	0.9	-19.6
20	-42.95	8.33	20	0.9	-19.1
25	-43.97	7.27	20	0.3	-19.7
27	-44.53	6.73	20	0.4	-19.6
30	-45.49	5.75	20	0.4	-19.6

Field Strength Measurement:

$$E \left(dB \left(\frac{\mu V}{m} \right) \right) = U(dB\mu V) + AF \left(\frac{dB}{m} \right) + Corr. (dB)$$

Where:

E = Electric field strength

U = Measuring receiver voltage

AF = Antenna factor

Corr. = sum of single correction factors of used cable and amplifier (if applicable).

Linear interpolation will be used for frequencies in between the values in the table.

Tables shows an extract of the values.

Frequency (MHz)	AF (dB/m)	Cable loss (dB)	Attenuator (dB)	Corr. (dB)
	ID: 114435 VHA 9103	Id: 114928	ID:114525 Hewlett Packet	
30	20.5	1.1	6	7.1
100	10.4	2.5	6	8.5
150	15.5	3.1	6	9.1
200	16.8	3.6	6	9.6
250	18.1	4.2	6	10.2

Frequency (MHz)	AF (dB/m)	Cable loss (dB)	Corr. (dB)
	ID: 114385 Vulp 9118B	Id: 114928	
250	11.7	4.2	4.2
300	12.8	4.9	4.9
350	14.1	5.8	5.8
400	15.5	6.6	6.6
450	17	7.1	7.1
500	17.5	7.5	7.5
550	18.3	7.6	7.6
600	19.2	7.8	7.8
650	20.1	7.8	7.8
700	20.5	8.1	8.1
750	21	8.6	8.6
800	21.4	8.9	8.9
850	21.8	9.4	9.4
900	22.6	9.7	9.7
950	23	10	10
1000	23.2	10.4	10.4

Frequency (MHz)	AF (dB/m)	Gain (dB)	Cable loss (dB)	Corr. (dB)
	114607 Emco 3115 SN: 9412-4377	114690 µComp Nordic MCNA-40-0010800-25-10P	114691	
1000	23.6	45.1	2.7	-43
2000	27.1	44.7	3.9	-41.4
3000	30.5	44.2	4.8	-40
4000	32.7	43.5	5.6	-38.6
5000	33.2	43.1	6.3	-37.5
6000	34.6	43.0	6.9	-36.7
7000	35.2	42.9	7.3	-36.5
8000	37.0	43.3	8.2	-36.1
9000	38.1	43.3	8.5	-35.4
10000	38.2	43.0	9.0	-34.8
11000	38.3	42.9	9.5	-34.2
12000	39.1	42.6	9.9	-33.6
13000	39.2	43.6	10.6	-33.8
14000	41.1	44.3	10.8	-34.6
15000	40.2	44.4	11.4	-34
16000	37.5	44.3	11.6	-33.5
17000	41.1	44.5	12.0	-33.1
18000	44.0	44.9	12.3	-33.5

Frequency (MHz)	AF (dB/m)	Gain (dB)	Cable loss (dB)	Corr. (dB)
	Kiwa ID: 114518 Flann 20240-25	Kiwa ID: 115026 Schwarzbeck BBV 9721	114691	
18000	31.3	34.5	12.3	-22.2
19000	31.5	34.9	12.5	-22.4
20000	31.7	34.3	13.0	-21.3
21000	31.9	34.1	13.7	-20.4
22000	32.1	34.1	14.4	-19.7
23000	32.2	33.6	14.9	-18.7
24000	32.3	32.9	15.4	-17.5
25000	32.4	33.6	16.3	-17.3
26000	32.5	33.6	18.5	-15.1
26500	32.5	33.5	17.7	-15.8

Frequency (MHz)	AF (dB/m)	Gain (dB)	Cable loss (dB)	Corr. (dB)
	Kiwa ID: 114487 Scientific Atlanta	Kiwa ID: 115026 Schwarzbeck BBV 9721	114691	
26500	35.4	33.5	17.7	-15.8
27000	35.4	33.3	17.3	-16
28000	35.5	33.4	17.6	-15.8
29000	35.6	34	18.2	-15.8
30000	35.9	34	18.9	-15.1
31000	36.2	34	19.7	-14.3
32000	36.1	35	20.8	-14.2
33000	36	36.3	22.1	-14.2
34000	36.2	37	21.8	-15.2
35000	36.3	36.9	22.6	-14.3
36000	36.4	36.6	23.0	-13.6
37000	36.5	35.5	22.0	-13.5
38000	36.7	34.2	24.8	-9.4
39000	36.8	33.1	24.8	-8.3
40000	37	32	25.6	-6.4

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