



TEST REPORT nr. R13145301
Federal Communication Commission (FCC)

Test item

Description.....: Transceiver unit
Trademark.....: AUTEK
Model/Type: Model: AJR
Type: DA0BM
Configuration: AA00A10_

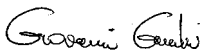

Test Specification

Standard: FCC Rules & Regulations, Title 47:2013
Part 15 paragraph(s): 203, 204, 207, 209 and 249

Client's name: AUTEK S.r.l.
Address: Via Pomaroli, 65 – 36030 Caldogno (VI) – ITALY

Manufacturer's name : Same as client
Address: --

Report

Tested by: G. Gandini – Technician 
Approved by: R. Beghetto – Laboratory Manager 
Date of issue: 13.03.14
Contents.....: 49 pages

This test report shall not be reproduced except in full without the written approval of CMC.
The test results presented in this report relate only to the item tested.



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1. Summary

Standard:

FCC Rules & Regulations, Title 47:2013
Part 15 paragraph(s): 203, 204, 207, 209 and 249
RSS-210 (2010) – Annex 2 (A2.9)

| Test specifications | Environmental Phenomena | Tests sequence | Result |
|---|--------------------------------|----------------|----------|
| Part 15.203 IC – RSS-210 | Antenna requirements | 1 | Complies |
| Part 15.207 IC – RSS-210 – Annex 2 (A2.9) | Conducted emissions | -- | N.A. (+) |
| Part 15.209 IC – RSS-210 – Annex 2 (A2.9) | Radiated emissions | 2 | Complies |
| IC – RSS-210 – Annex 2 (A2.9) | Occupied bandwidth (99% BW) | 3 | Complies |
| Part 15.209 and 15.249 IC – RSS-210 – Annex 2 (A2.9) | Peak Output Power | 4 | Complies |
| Part 15.249 (d) IC – RSS-210 – Annex 2 (A2.9) | Band edge | 5 | Complies |
| Part 15.209 IC – RSS-210 – Annex 2 (A2.9) | Spurious emission | 6 | Complies |

(+) Devices which only employ battery power. See FCC Part 15.207 (c)

The Test Report was given to the Client representatives for necessary documentation of ratification of the tested equipment and it is valid for the FCC certification



5. Photograph(s) of EUT

5.1 Photograph(s) of EUT





6. Equipment list

| <i>Id. number</i> | <i>Manufacturer</i> | <i>Model</i> | <i>Description</i> | <i>Serial number</i> | <i>Last calibration</i> | <i>Due date calibration</i> |
|-------------------|---------------------|--------------|---------------------------|----------------------|-------------------------|-----------------------------|
| CMC S010 | Rohde & Schwarz | ESH3-Z2 | Impulses Limiting Device | --- | January '14 | January '15 |
| CMC S108 | EMCO | 3115 | Horn Antenna | 9811-5622 | May '13 | May '16 |
| CMC S127 | Schaffner | HLA6120 | Loop Antenna | 1191 | January '13 | January '16 |
| CMC S136 | Schwarzbeck | VULB 9163 | Broadband Antenna | 9136-205 | May '13 | May '16 |
| CMC S164 | Rohde & Schwarz | ESU26 | EMC interference receiver | 100052 | January '14 | January '15 |
| CMC S200 | Schwarzbeck | NSLK 8128 | V-LISN | 8128-273 | January '14 | January '15 |
| CMC S227 | Rohde & Schwarz | ESR7 | EMI Test Receiver 7GHz | 101121 | January '14 | January '15 |



7. Measurement uncertainty

| Test | Expanded Uncertainty | note |
|---|----------------------|------|
| Conducted Emission | | |
| (50Ω/50μH AMN) - (9 kHz – 150 kHz) | ±3.8 dB | 1 |
| (50Ω/50μH AMN) - (150 kHz – 30 MHz) | ±3.3 dB | 1 |
| (Voltage probe) - (150 kHz – 30 MHz) | ±3.3 dB | 1 |
| (50Ω/5μH AMN) - (150 kHz – 108 MHz) | ±2.8 dB | 1 |
| Discontinuous Conducted Emission | | |
| Conducted Emission (50Ω/50μH AMN) - (150 kHz – 30 MHz) | ±3.3 dB | 1 |
| Disturbance Power (30 MHz – 300 MHz) | | |
| | ±3.9 dB | 1 |
| Radiated Emission | | |
| (0,150 MHz – 30 MHz) | ±4.3 dB | 1 |
| (30 MHz – 1000 MHz) | ±4.4 dB | 1 |
| (1 GHz – 6 GHz) | ±4.6 dB | 1 |
| Electromagnetic field EMF | | |
| | ±15.0 % | 1 |
| Harmonic current emissions test | | |
| | ±2.7 % | 1 |
| Voltage fluctuation and flicker test | | |
| | ±2.9 % | 1 |
| Insertion loss test | | |
| | ±2.7 dB | 1 |
| Radiated electromagnetic disturbance test (loop antenna) | | |
| | ±2.7 dB | 1 |
| Radiated electromagnetic field immunity test | | |
| | 0.77 V/m at 3V/m | 1 |
| Pulse modulated radiated electromagnetic field immunity test | | |
| | 0.77 V/m at 3V/m | 1 |
| Injected currents immunity test | | |
| | 0.48 V at 3V | 1 |
| Bulk current | | |
| | 5.3 mA at 60 mA | 1 |
| Power frequency magnetic field immunity test | | |
| | 0.1 A/m at 10 A/m | 1 |
| Effective radiated power (F < 1GHz) | | |
| | ±4.4 dB | 1 |
| Effective radiated power (F > 1GHz) | | |
| | ±3.9 dB | 1 |
| Frequency error | | |
| | < 1x10 ⁻⁷ | 1 |
| Modulation bandwidth | | |
| | < 1x10 ⁻⁷ | 1 |
| Adjacent channel power | | |
| | ±2.6 dB | 1 |
| Blocking | | |
| | ±2.6 dB | 1 |
| Electrostatic discharge immunity test | | |
| | | 2 |
| Electrical fast transients / burst immunity test | | |
| | | 2 |
| Surge immunity test | | |
| | | 2 |
| Pulse magnetic field immunity test | | |
| | | 2 |
| Damped oscillatory magnetic field immunity test | | |
| | | 2 |
| Short interruption immunity test | | |
| | | 2 |
| Voltage transient emission test | | |
| | ±2.2 % | 1 |
| Transient immunity test | | |
| | | 2 |

Notes

Note 1:

The expanded uncertainty reported according to EN55016-4-2:2011 is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of p = 95%

Note 2:

It has been demonstrated that the used test equipment meets the specified requirements in the standard with at least a 95% confidence, covering factor k = 2.



8. Reference documents

| Reference no. | Description |
|---|--|
| FCC Rules and Regulation Title 47 part 15:2013 RSS-210 Issue 8 – December 2010 | -- |
| ANSI C63.4: 2003 | American National Standard for Methods of Measuring of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz – 40 GHz |
| Internal Procedure PM001 rev. 2.0 (Quality Manual) | Measure Procedure |
| Internal procedure INC_M rev. 8.2 (Quality Manual) | Measurement uncertainty calculation |



9. Deviation from test specification

In agreement with the client, emission tests were performed with peak detector.

At the frequencies where the measures exceed the limit or within 6 dB from it, the test was repeated with quasi-peak detector and/or average detector.

10. Test case verdicts

Test case does not apply to the test object..... : N.A.

Test item does meet the requirement..... : Complies

Test item does not meet the requirement..... : Does not comply

Test not performed : N.E.

CMC Centro Misure Compatibilità S.r.l.

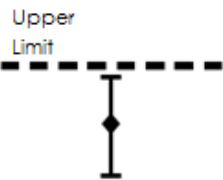
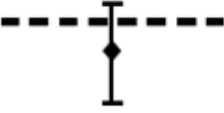
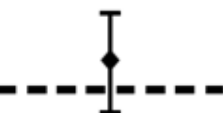



11. Results

In this clause tests results are reported.

Measurement uncertainty is in accordance with document CMC INC_M rev. 8.2.

Judgement of compliance:

| Case 1 | Case 2 | Case 3 | Case 4 |
|---|--|--|--|
|  |  |  |  |
| <p>The sample is Complies.</p> <p>The measurement results is within the specification limit when the measurement uncertainty is taken into account.</p> | <p>The sample is Complies.</p> <p>It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty although the measurement result is below the limit.</p> | <p>The sample is Not Complies.</p> <p>It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty also the measurement result is upper the limit.</p> | <p>The sample is Not Complies.</p> <p>The measurement results is outside the specification limit when the measurement uncertainty is taken into account.</p> |

In agreement with ILAC-G8: 03/2009 Guidelines on the Reporting of Compliance with Specification.



11.1 Antenna requirements

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.203 and 15.204
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
 Laboratory

Auxiliary equipment:
 See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

--
 Measurement uncertainty: See clause 7 of this test report

Test specification

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded

Environmental conditions

| Temperature (°C) | Atmospheric pressure (kPa) | Relative humidity (%) |
|------------------|----------------------------|-----------------------|
| 23 | 99 | 51 |

Result

| Antenna Type | External R.F. power amplifier | Gain | Remarks | Results |
|--------------|-------------------------------|-------|---------|----------|
| Embedded | Not Present | 0 dBi | -- | Complies |

Result: The requirements are met



11.2 Radiated emissions

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part. 15.209
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Semi-anechoic chamber

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S127, CMC S136, CMC S164
 Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
 Frequency range: 0,009 MHz – 1000 MHz
 Antenna polarization: Horizontal (H) – Vertical (V)
 EUT – Antenna distance: 3 m

Environmental conditions

| Temperature (°C) | Atmospheric pressure (kPa) | Relative humidity (%) |
|------------------|----------------------------|-----------------------|
| 23 | 98 | 51 |

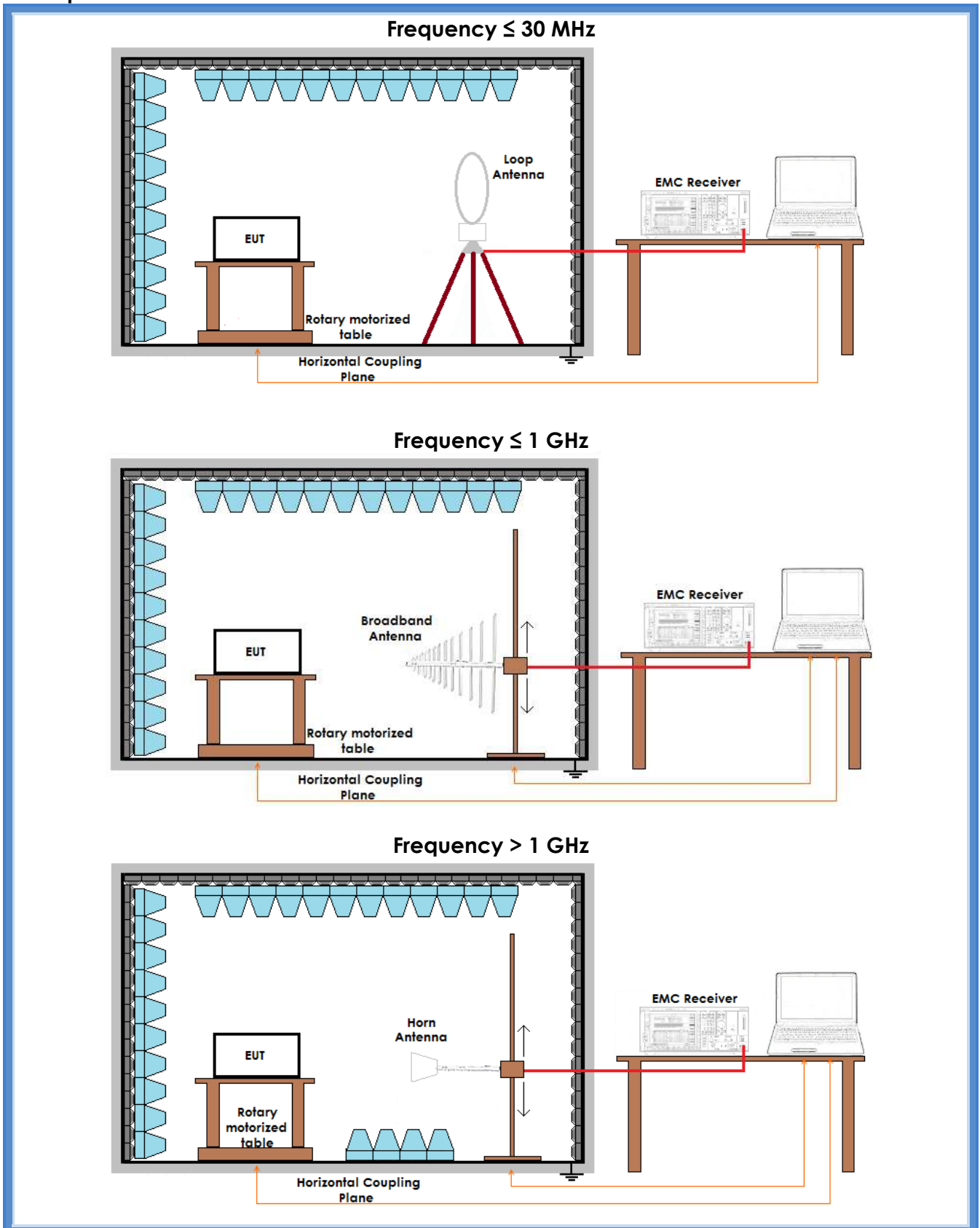
Acceptance limits

| Frequency range (MHz) | Limits [dB(µV/m)] |
|-----------------------|-------------------|
| 0,009 to 0,490 | 128,51 to 93,80 |
| 0,490 to 1,705 | 73,80 to 62,97 |
| 1,705 to 30 | 69,54 |
| 30 to 88 | 40 |
| 88 to 216 | 43,52 |
| 216 to 960 | 46,02 |
| Above 960 | 53,98 |

Remarks: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9–90 kHz, 110–490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.



Setup



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Result

| Channel | Polarization | Frequency Range (MHz) | Graphs | Remarks | Result |
|---------|--------------|-----------------------|-----------|---------|----------|
| -- | Loop | 0,009 – 30 | G13145313 | -- | Complies |
| 915,250 | H | 30 – 1000 | G13145319 | -- | Complies |
| 915,250 | V | 30 – 1000 | G13145314 | -- | Complies |
| 921,000 | H | 30 – 1000 | G13145320 | -- | Complies |
| 921,000 | V | 30 – 1000 | G13145321 | -- | Complies |
| 927,750 | H | 30 – 1000 | G13145329 | -- | Complies |
| 927,750 | V | 30 – 1000 | G13145324 | -- | Complies |
| 915,050 | V | 1000 – 10000 | G13145339 | -- | Complies |
| 915,050 | H | 1000 – 10000 | G13145340 | -- | Complies |
| 921,000 | H | 1000 – 10000 | G13145341 | -- | Complies |
| 921,000 | V | 1000 – 10000 | G13145342 | -- | Complies |
| 927,750 | V | 1000 – 10000 | G13145343 | -- | Complies |
| 927,750 | H | 1000 – 10000 | G13145344 | -- | Complies |

Remarks: --

Graphs Legend

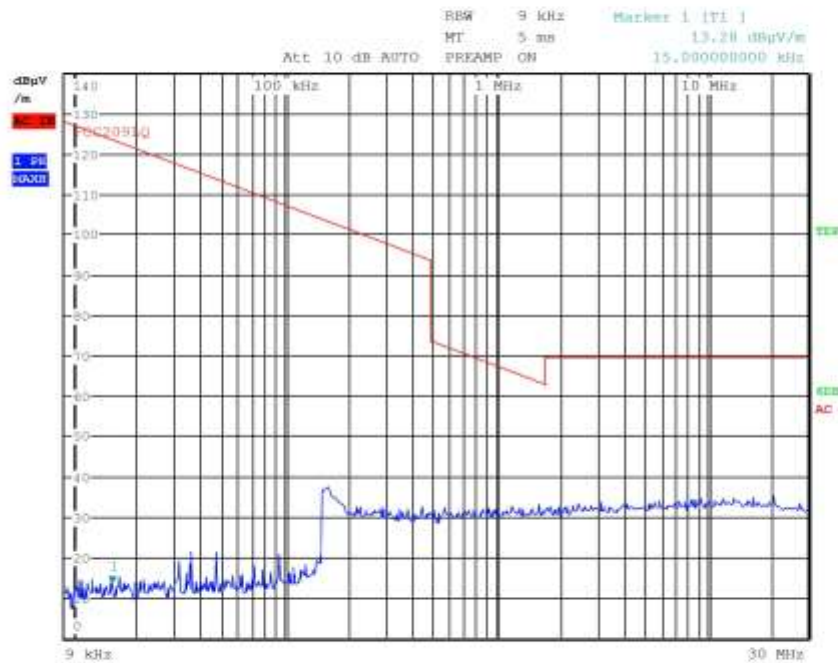
PK: Peak; QP [1s] (quasi-peak at 1 second) values are marked with a +
AV: Average; AV [1s] (average at 1 second) values are marked with a x



Graphs

G13145313

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx
Operator Gandini 13145313
Test Spec
Loop



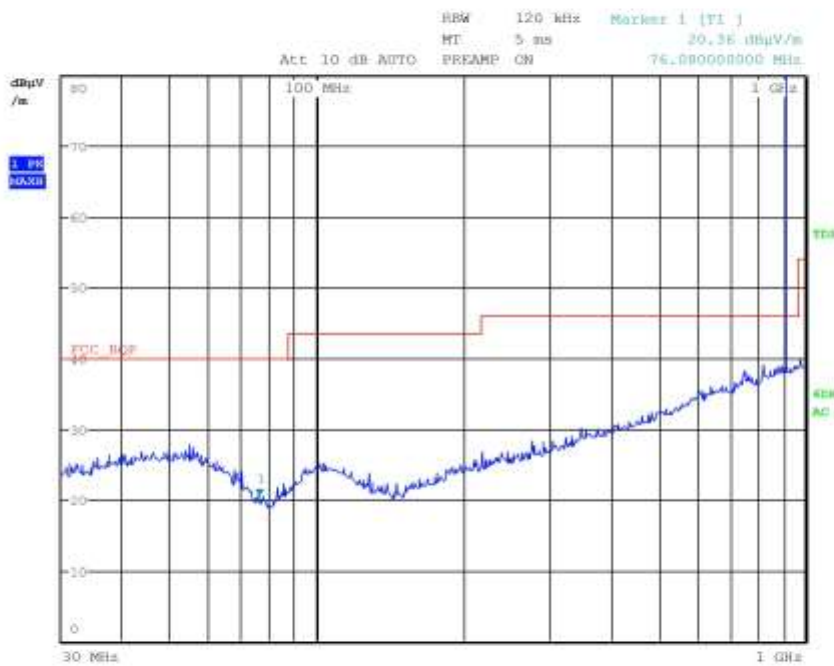
Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 0



G13145314

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmin
Operator Gandini 13145314
Test Spec
Vert



Final Measurement

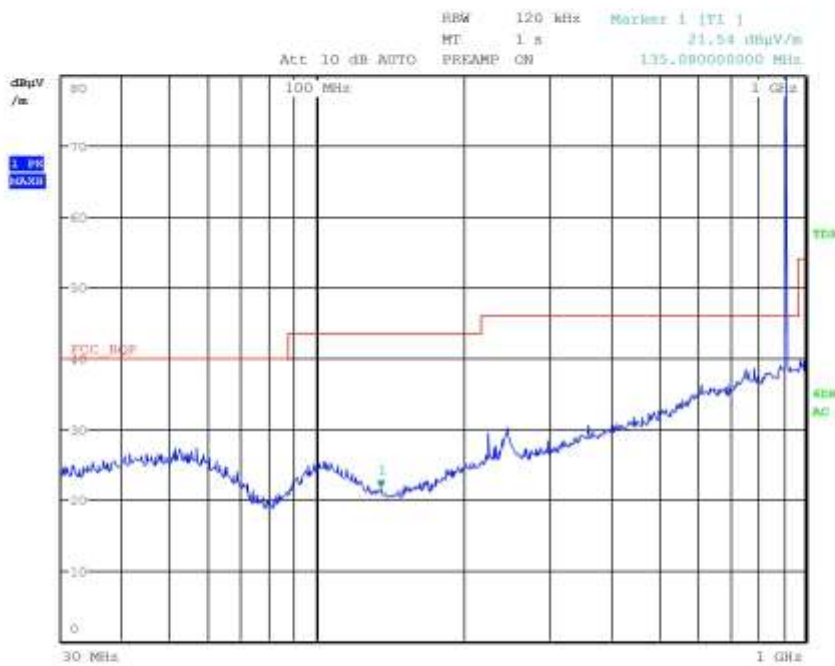
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

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G13145319

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmin
Operator Gandini 13145319
Test Spec
Horiz



Final Measurement

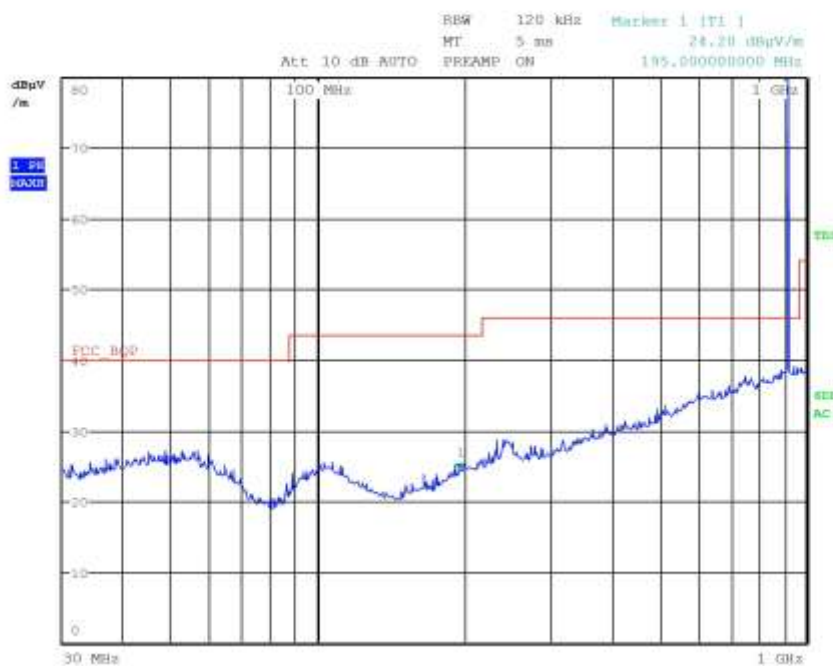
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13145320

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmed
Operator Gandini 13145320
Test Spec
Horiz



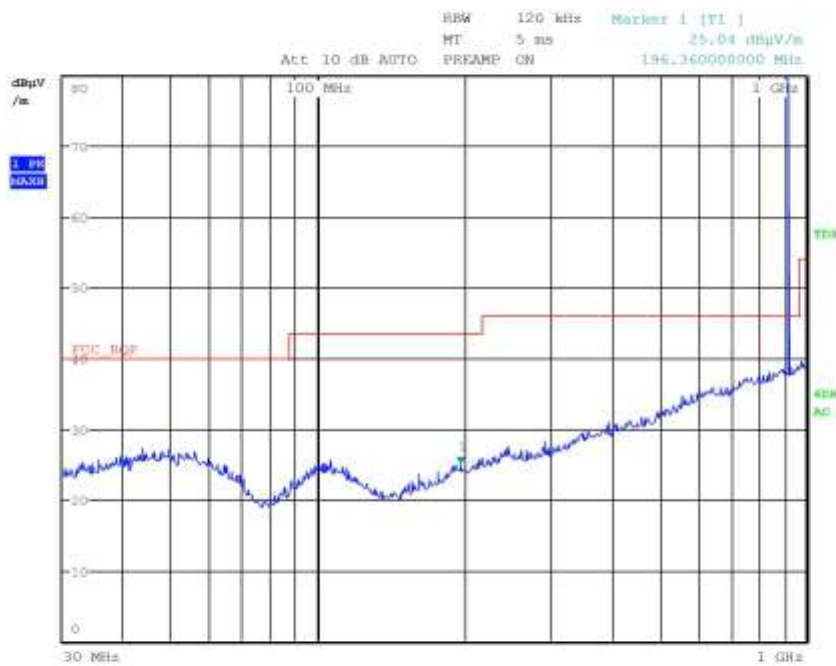
Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 0



G13145321

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmed
Operator Gandini 13145321
Test Spec
Vert



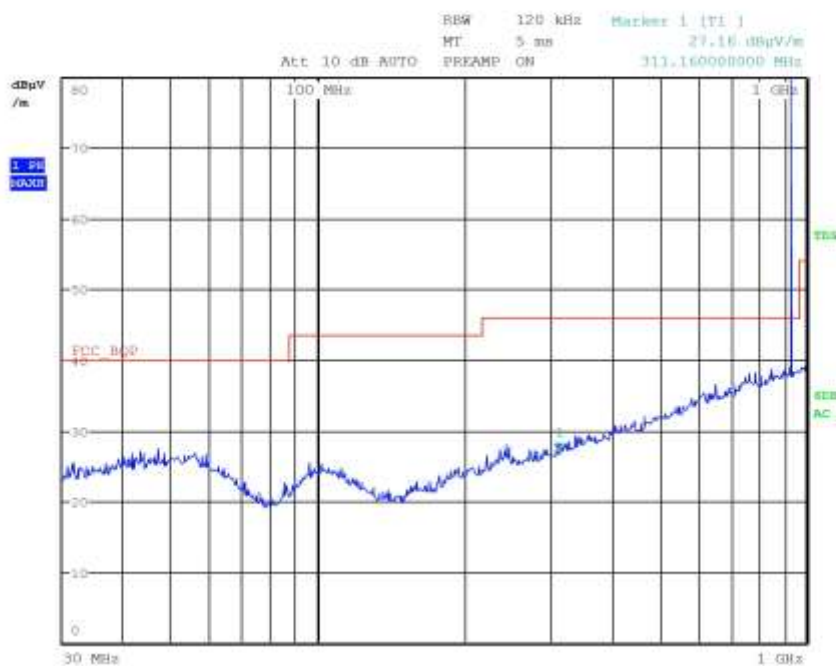
Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 0



G13145324

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmax
Operator Gandini 13145324
Test Spec
Vert



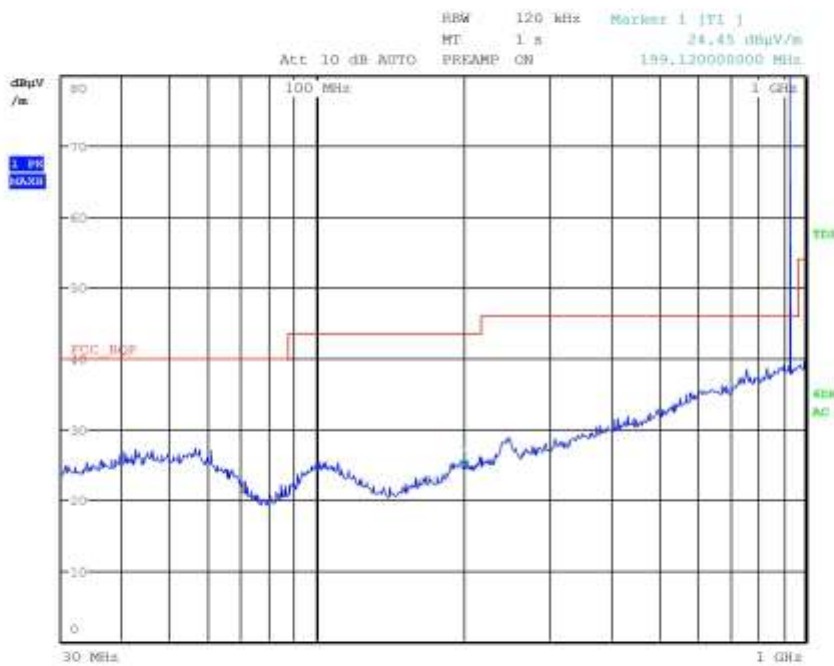
Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 0



G13145329

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmax
Operator Gandini 13145329
Test Spec
Horiz



Final Measurement

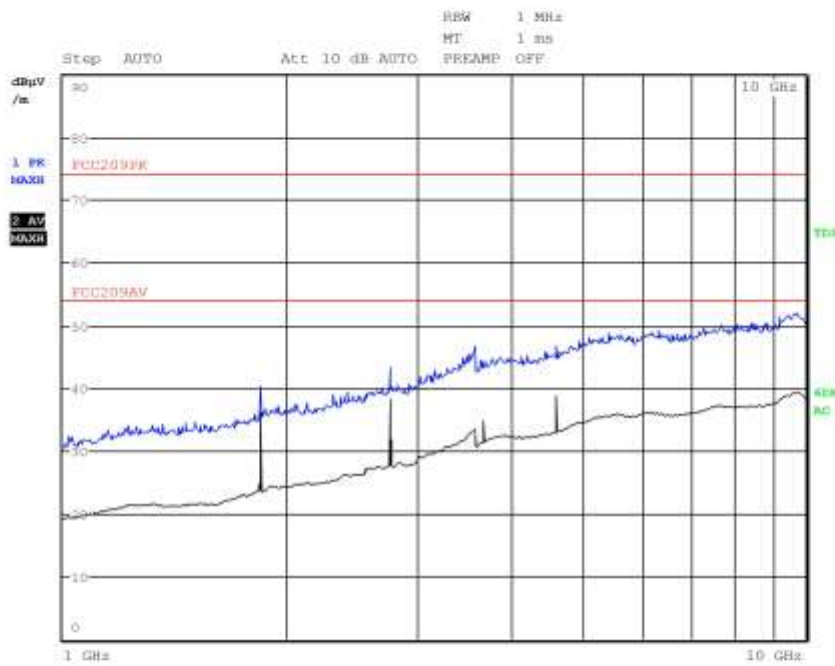
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

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G13145339

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX-FMED
Operator Gandini 13145339
Test Spec
Vert



Final Measurement

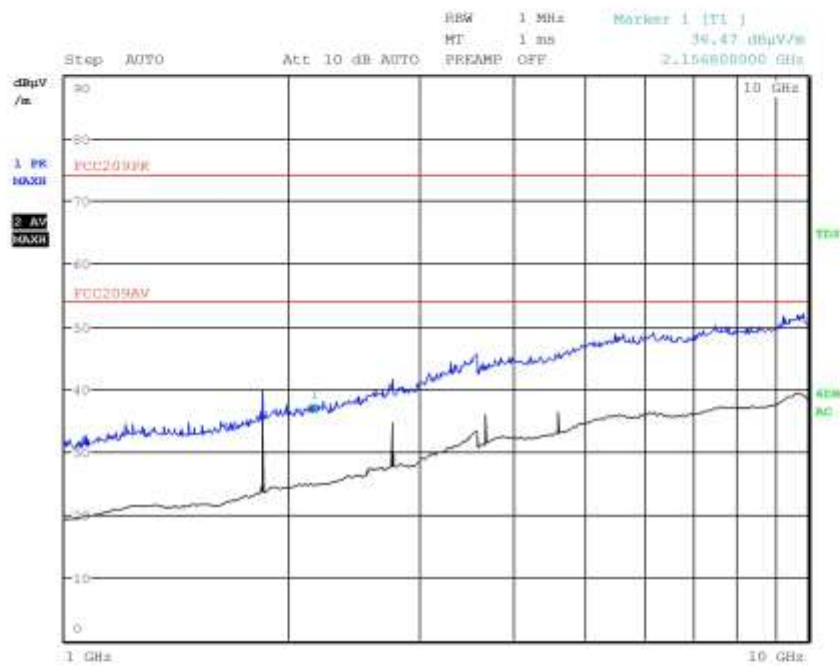
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

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G13145340

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX-FMED
Operator Gandini 13145340
Test Spec
Horiz



Final Measurement

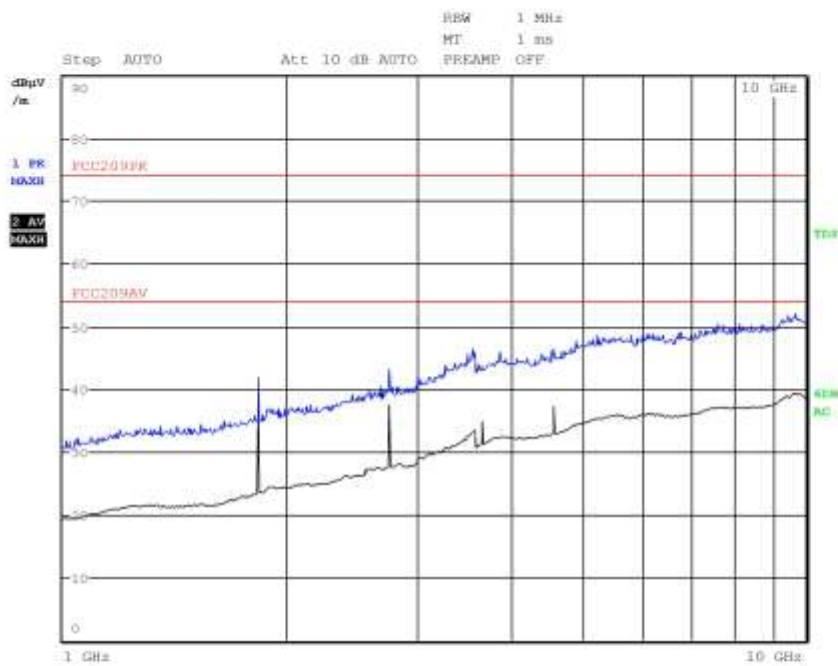
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13145341

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX-FMIN
Operator Gandini 13145341
Test Spec
Horiz



Final Measurement

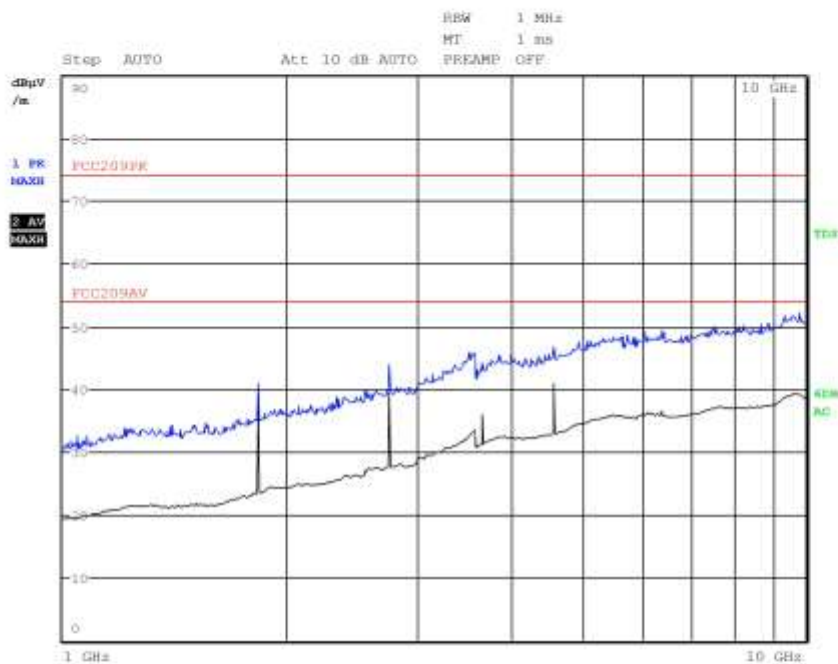
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13145342

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX-FMIN
Operator Gandini 13145342
Test Spec
Vert



Final Measurement

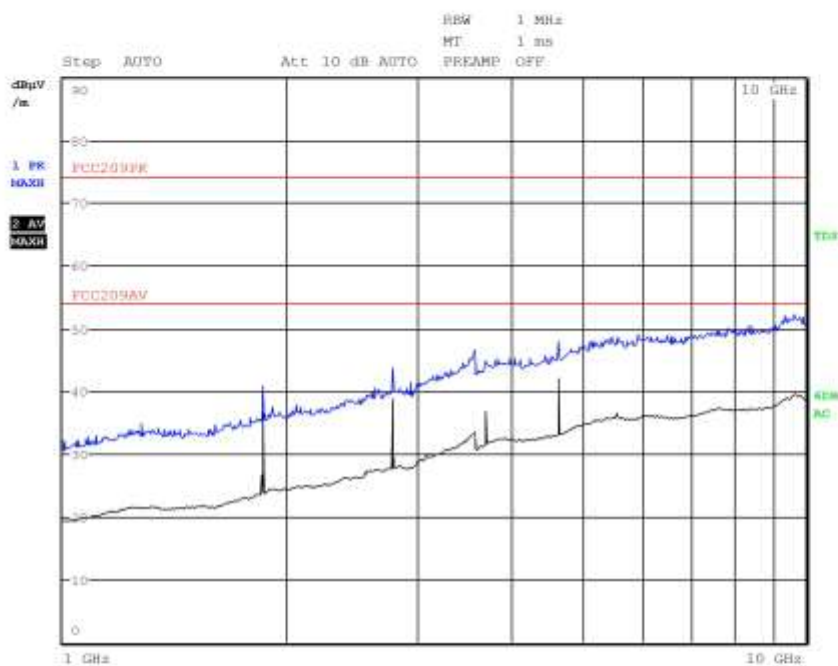
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13145343

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX-FMAX
Operator Gandini 13145343
Test Spec
Vert



Final Measurement

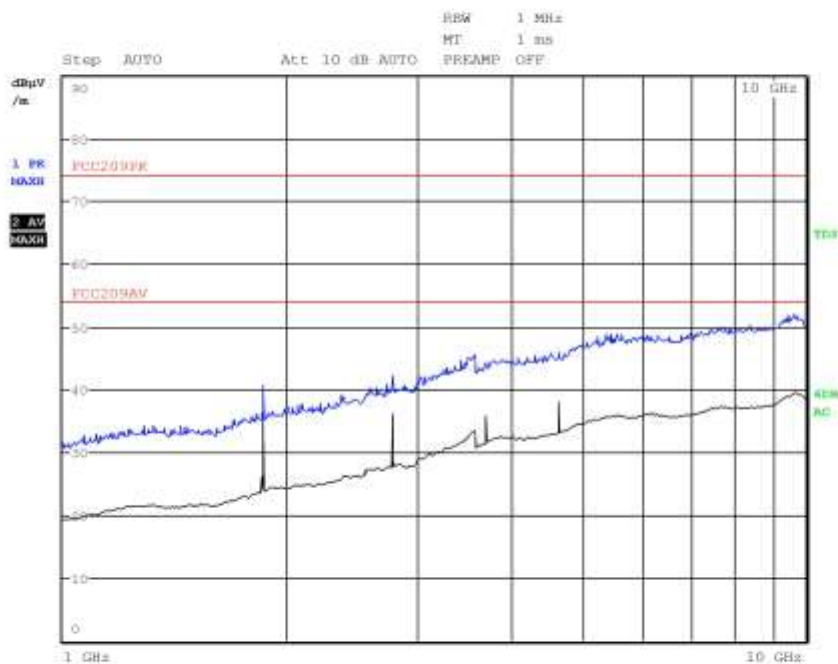
Meas Time: 1 s
Margin: 6 dB
Subranges: 0

CMC Centro Misure Compatibilità S.r.l.



G13145344

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition TX-FMAX
Operator Gandini 13145344
Test Spec
Horiz



Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 0

Result: The requirements are met

CMC Centro Misure Compatibilità S.r.l.



11.3 Occupied bandwidth (99% BW)

Test set-up and execution

- RSS 210 Annex 2 (A2.9)
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S164
Measurement uncertainty: See clause 7 of this test report

Test specification

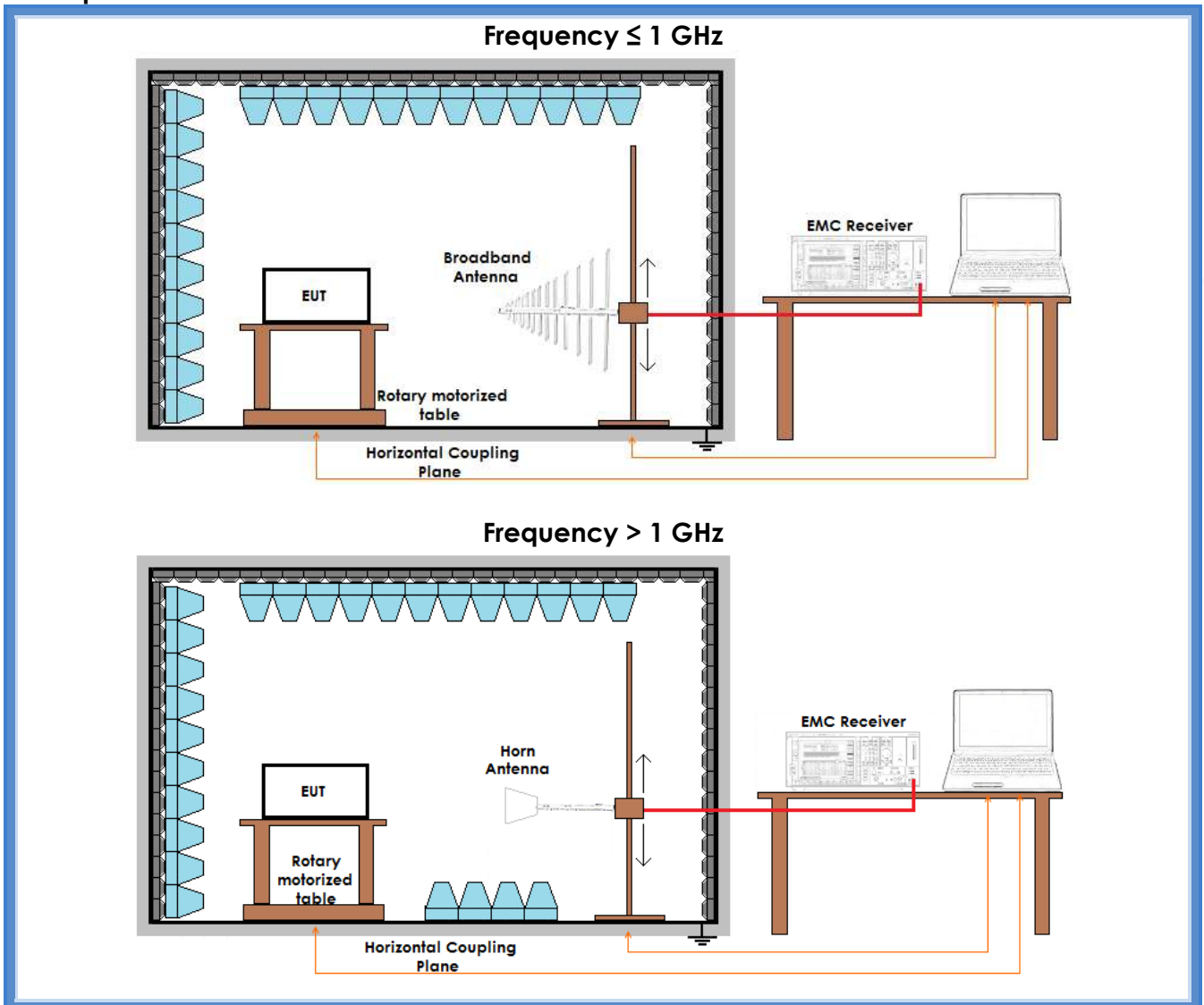
RSS 210 Annex 2 (A2.9)

Environmental conditions

| Temperature (°C) | Atmospheric pressure (kPa) | Relative humidity (%) |
|---------------------|-------------------------------|--------------------------|
| 22 | 99 | 51 |



Setup



Result

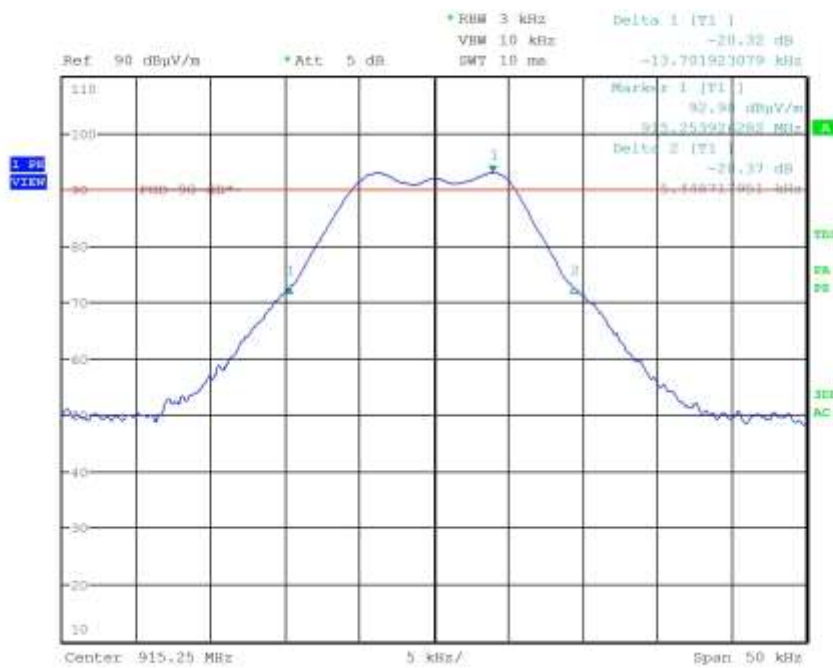
| f (MHz) | 99% bandwidth (kHz) | Graphs | Results |
|--------------|------------------------|-----------|----------|
| 915,250 | 19,15 | G13145318 | Complies |
| 921,000 | 19,23 | G13145322 | Complies |
| 927,750 | 19,15 | G13145328 | Complies |



Graphs

G13145318

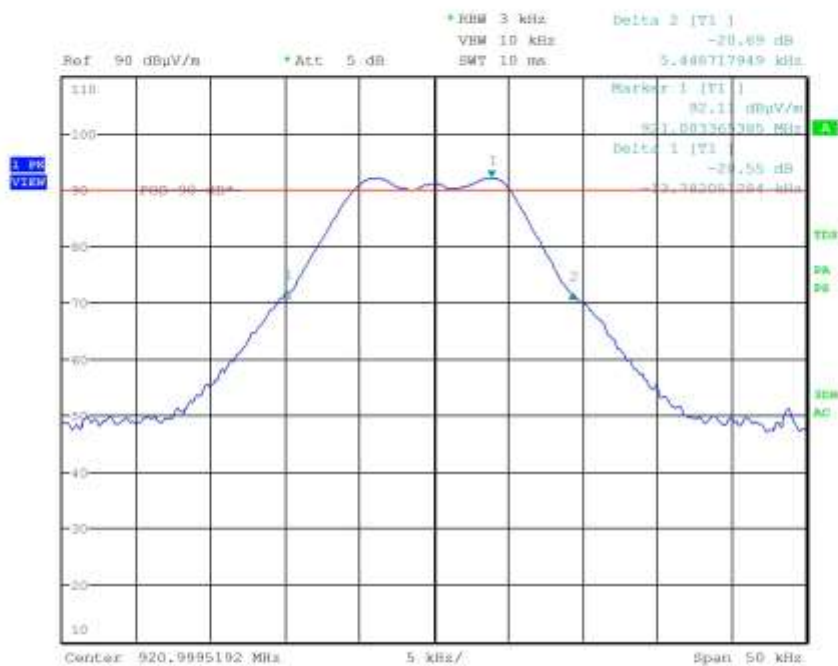
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmin
Operator Gandini 13145318
Test Spec





G13145322

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmed
Operator Gandini 13145322
Test Spec

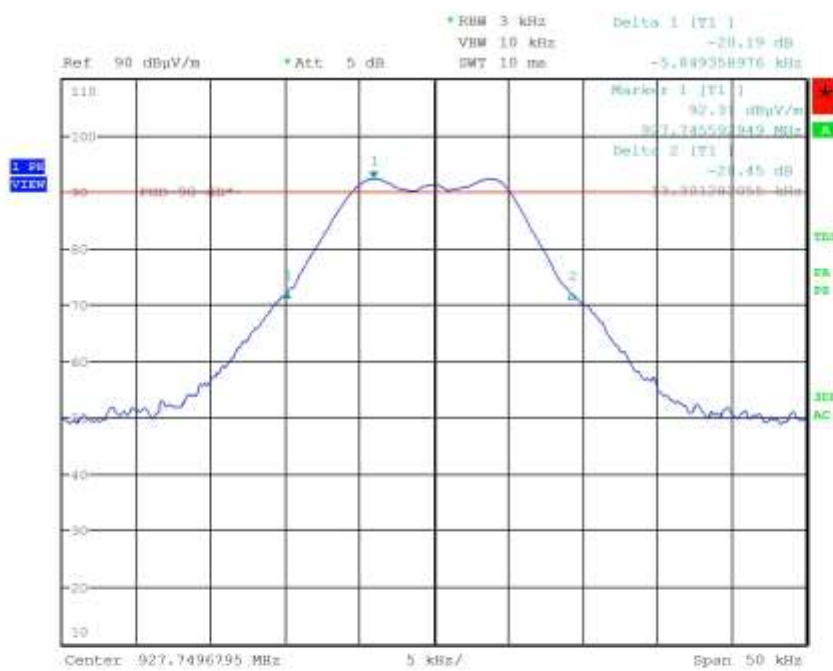


CMC Centro Misure Compatibilità S.r.l.



G13145328

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmax
Operator Gandini 13145328
Test Spec



Result: The requirements are met



11.4 Peak Output Power

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.209 and Part 15.249
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Semi-anechoic chamber

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S164
 Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
 Antenna polarization: Horizontal (H) – Vertical (V)
 EUT – Antenna distance: 3 m

Environmental conditions

| Temperature (°C) | Atmospheric pressure (kPa) | Relative humidity (%) |
|------------------|----------------------------|-----------------------|
| 24 | 99 | 52 |

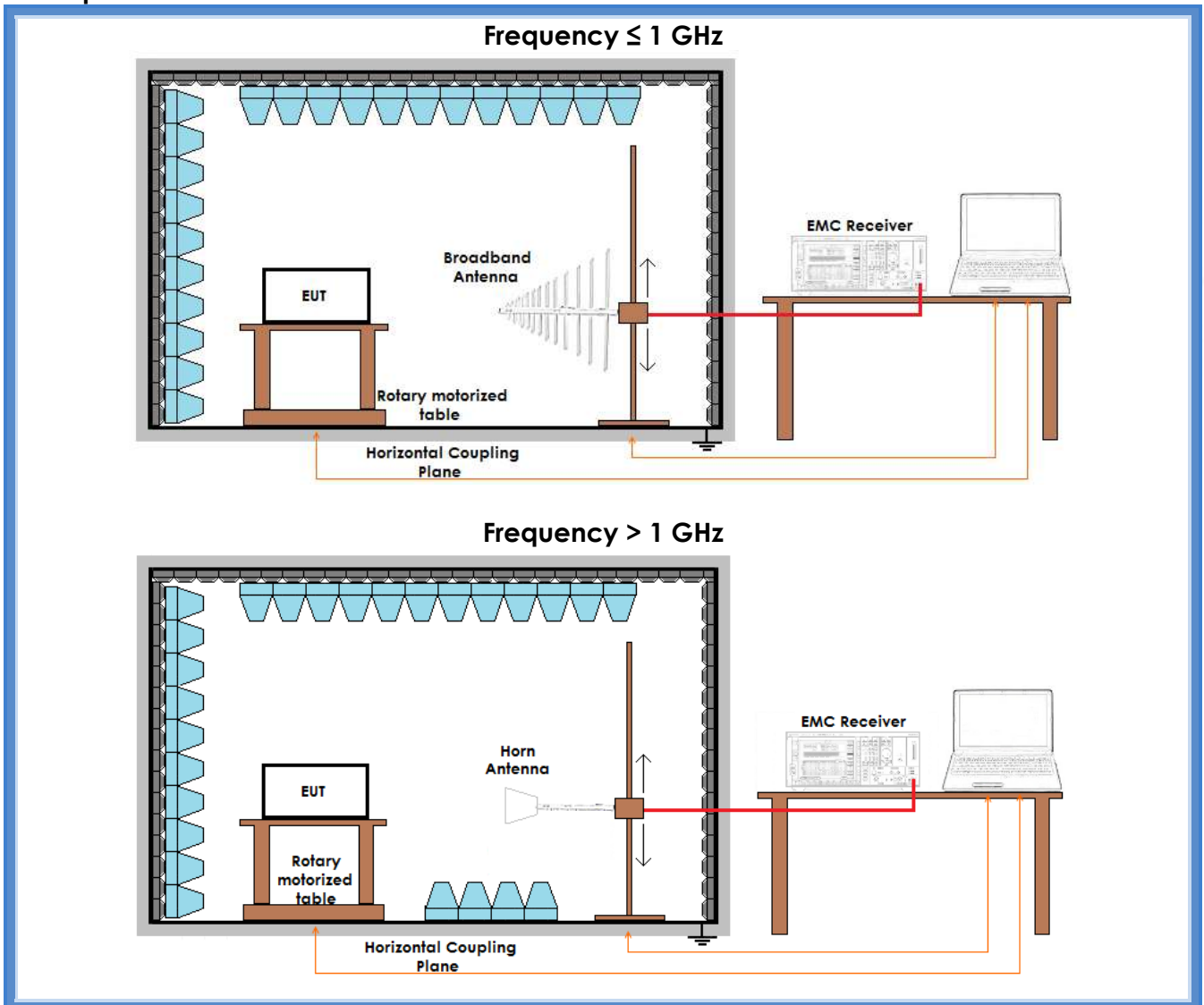
Acceptance limits

| Frequency range (MHz) | RF Power Output dB(μV/m) |
|-----------------------|--------------------------|
| 902 – 928 | 94 |

| Frequency range (MHz) | RF Power Output dB(μV/m) |
|-----------------------|--------------------------|
| 2400 – 2483,5 | 94 |



Setup



Result

| Frequency (MHz) | Polarization | Graphs | Measured QP level (dB μ V/m) | Peak Output Power (mW) | Remarks |
|-----------------|--------------|-----------|----------------------------------|------------------------|---------|
| 915,050 | Horizontal | G13145337 | 84,46 | 0,084 | -- |
| 915,050 | Vertical | G13145334 | 93,50 | 0,672 | -- |
| 921,000 | Horizontal | G13145306 | 84,57 | 0,086 | -- |
| 921,000 | Vertical | G13145305 | 93,37 | 0,652 | -- |
| 927,750 | Horizontal | G13145338 | 85,25 | 0,100 | -- |
| 927,750 | Vertical | G13145331 | 92,15 | 0,492 | -- |

Remarks

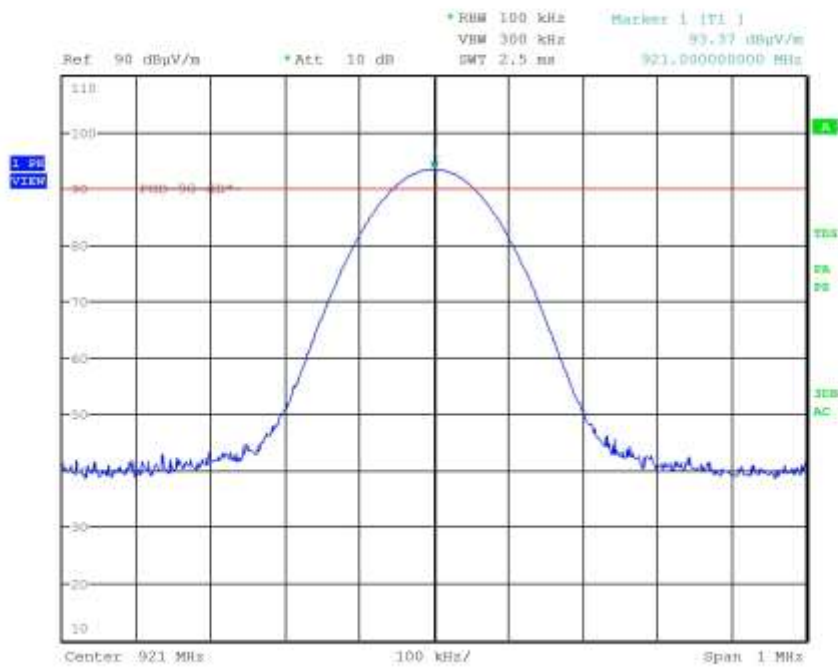
//////////



Graphs

G13145305

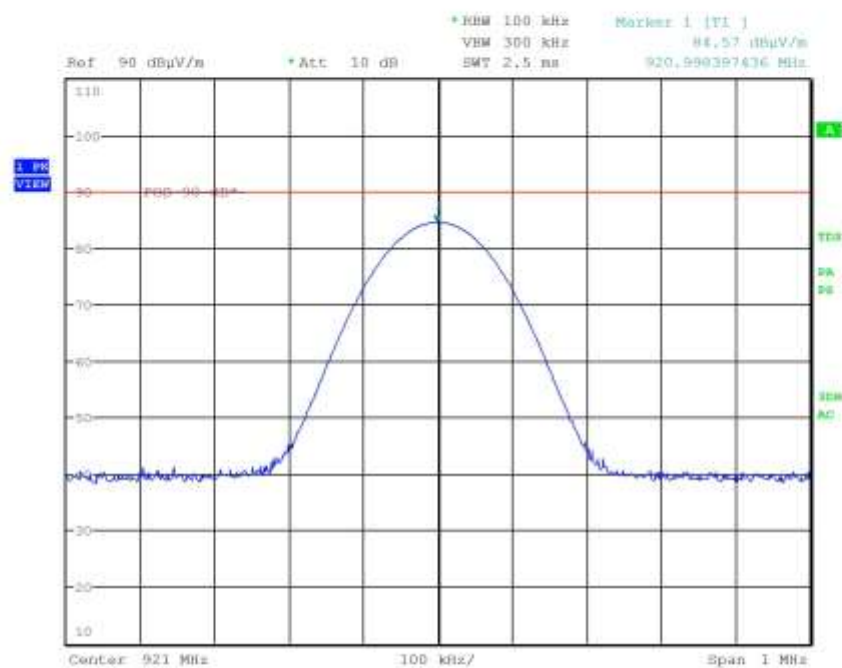
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmed
Operator Gandini 13145305
Test Spec
Vert





G13145306

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition Tx-Fmed
Operator Gandini 13145306
Test Spec
Horiz

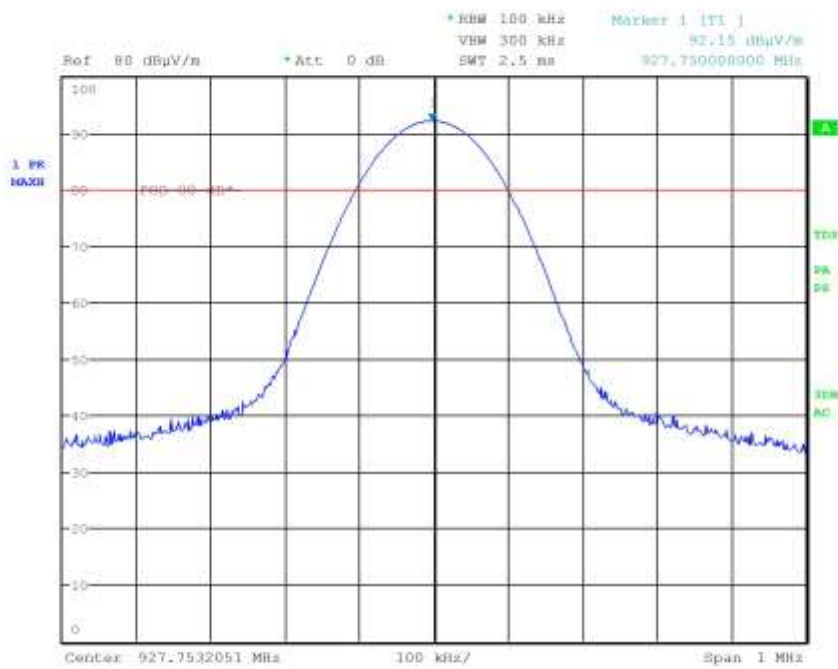


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G13145331

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition FMAX
Operator Gandini 13145331
Test Spec
Vert



CMC Centro Misure Compatibilità S.r.l.



G13145334

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition FMIN
Operator Gandini 13145334
Test Spec
Vert

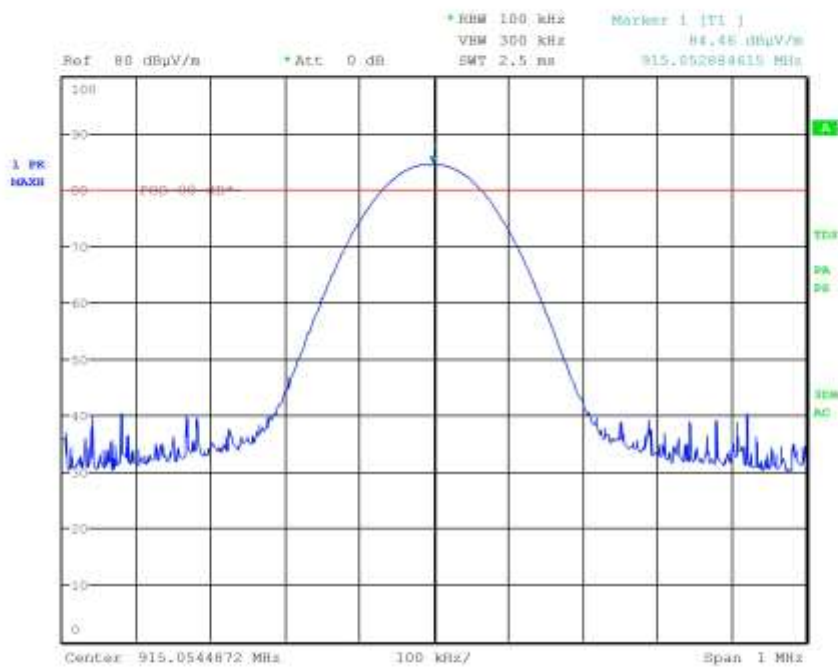


CMC Centro Misure Compatibilità S.r.l.



G13145337

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition FMIN
Operator Gandini 13145337
Test Spec
Horiz

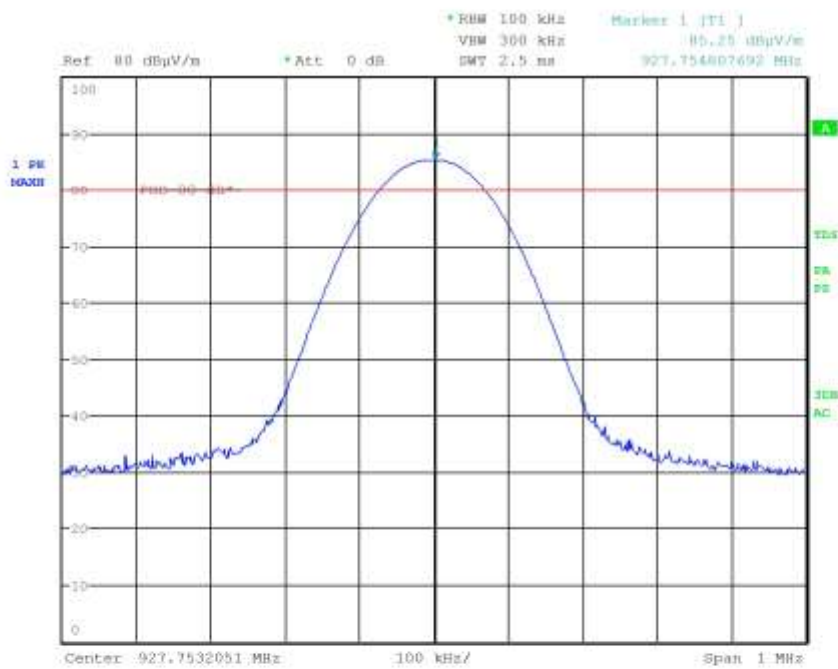


CMC Centro Misure Compatibilità S.r.l.



G13145338

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition FMAX
Operator Gandini 13145338
Test Spec
Horiz



Result: The requirements are met



11.5 Band edge

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.249 (d)
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Laboratory

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S164
Measurement uncertainty: See clause 7 of this test report

Test specification

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in § 15.209, whichever is the lesser attenuation

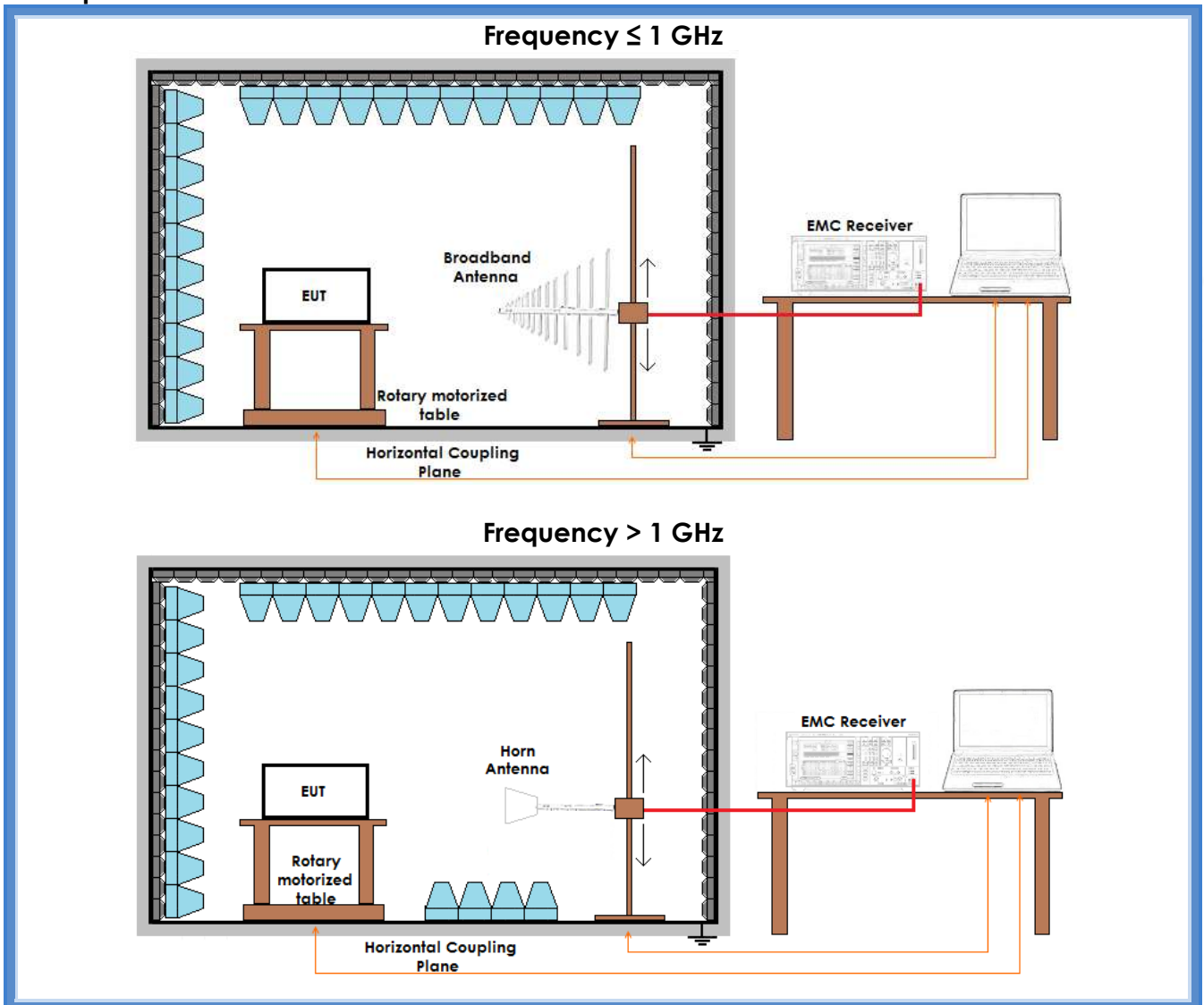
Environmental conditions

| Temperature (°C) | Atmospheric pressure (kPa) | Relative humidity (%) |
|---------------------|-------------------------------|--------------------------|
| 23 | 99 | 51 |

Acceptance limits: operation within the band 902 – 928 MHz MHz



Setup



Result

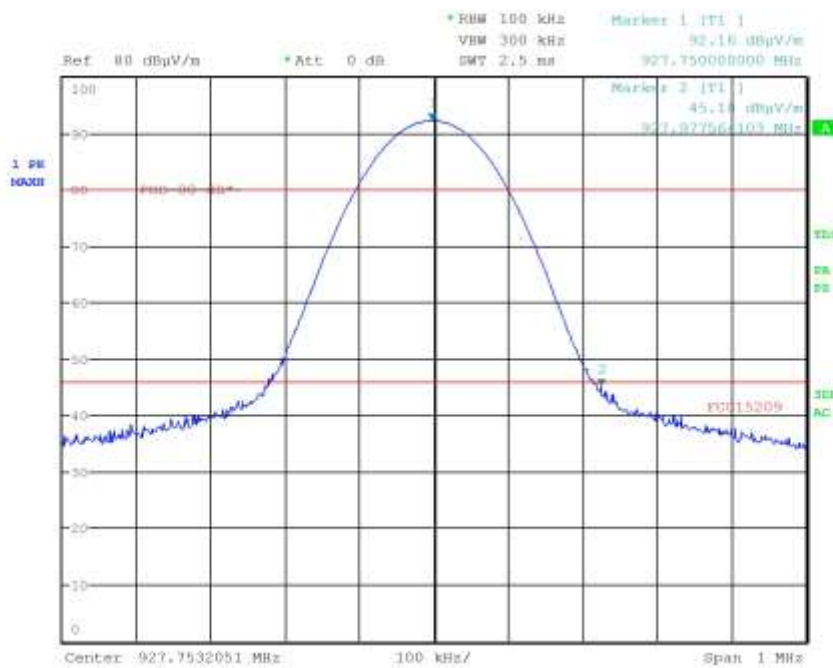
| Frequency (MHz) | Graph(s) | Results | |
|-----------------|-----------|--------------------------|----------|
| 915,050 | G13145335 | F _L : 914,808 | Complies |
| | G13145336 | | |
| 927,750 | G13145332 | F _H : 927,977 | Complies |
| | G13145333 | | |



Graphs

G13145332

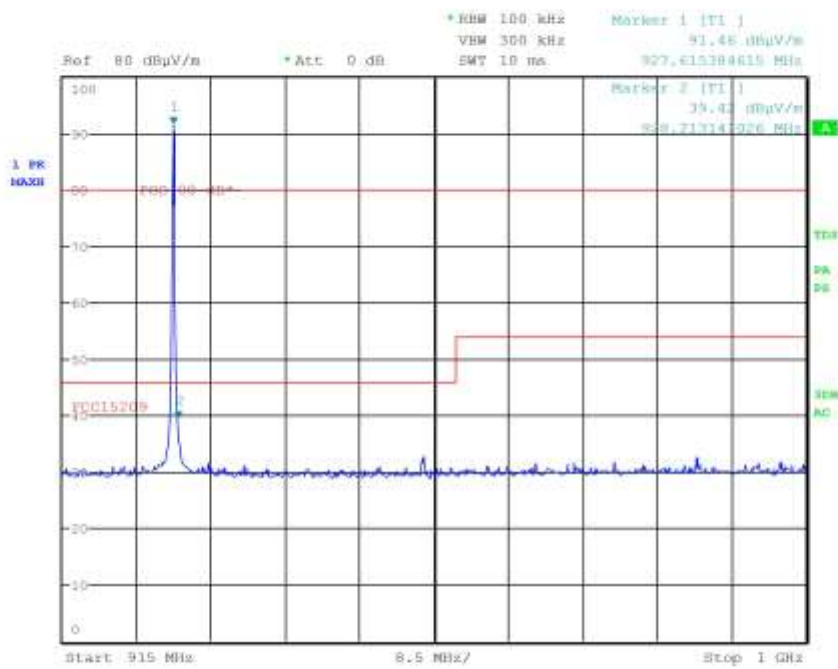
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition FMAX
Operator Gandini 13145332
Test Spec
Vert





G13145333

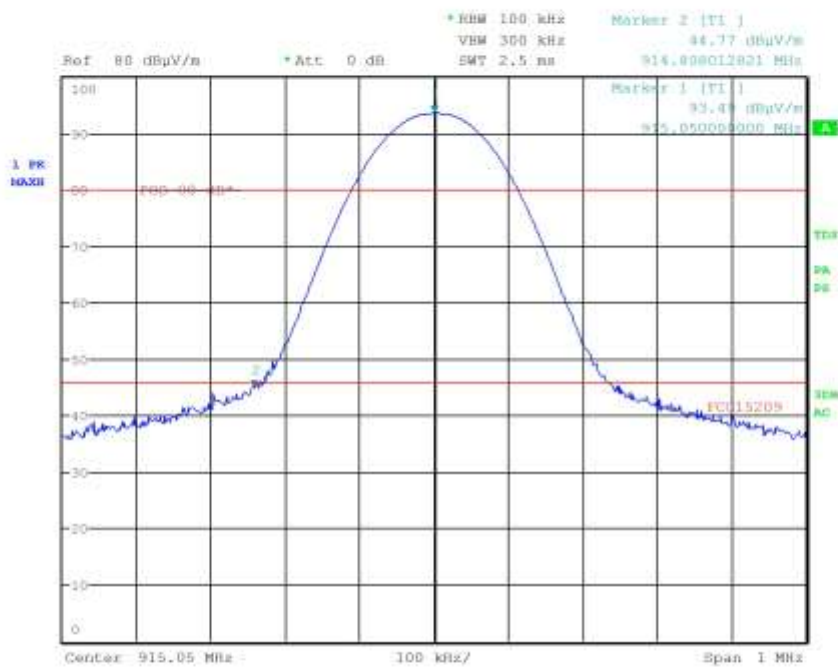
Meas Type Emission
Equipment under Test
Manufacturer
OP Condition FMAX
Operator Gandini 13145333
Test Spec
Vert





G13145335

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition FMIN
Operator Gandini 13145335
Test Spec
Vert

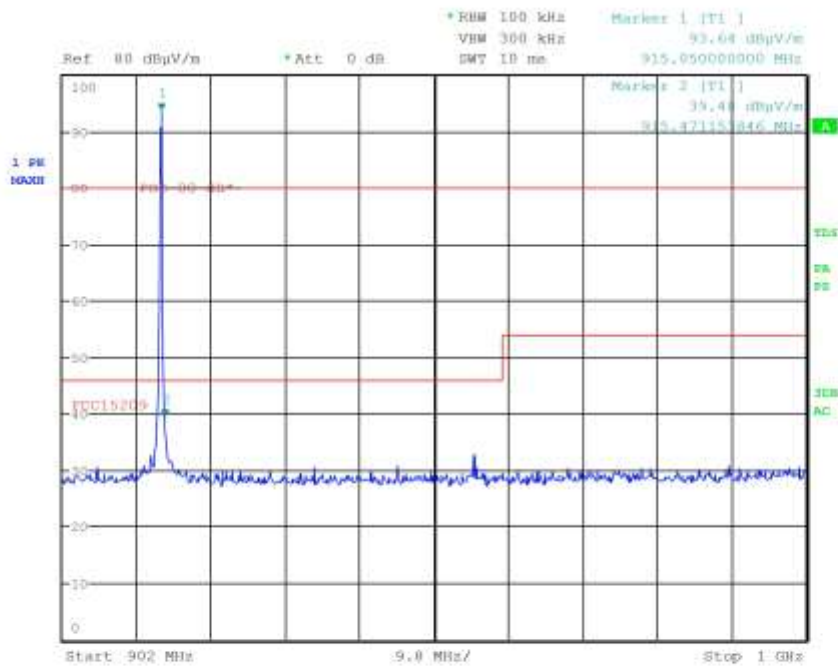


CMC Centro Misure Compatibilità S.r.l.



G13145336

Meas Type Emission
Equipment under Test
Manufacturer
OP Condition FMIN
Operator Gandini 13145336
Test Spec
Vert



Result: The requirements are met

CMC Centro Misure Compatibilità S.r.l.



11.6 Spurious Emission

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part 15.209
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Semi-anechoic chamber

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S108, CMC S136, CMC S164
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
Antenna polarization: Horizontal (H) – Vertical (V)
EUT – Antenna distance: 3 m
Detector AV + Peak

Environmental conditions

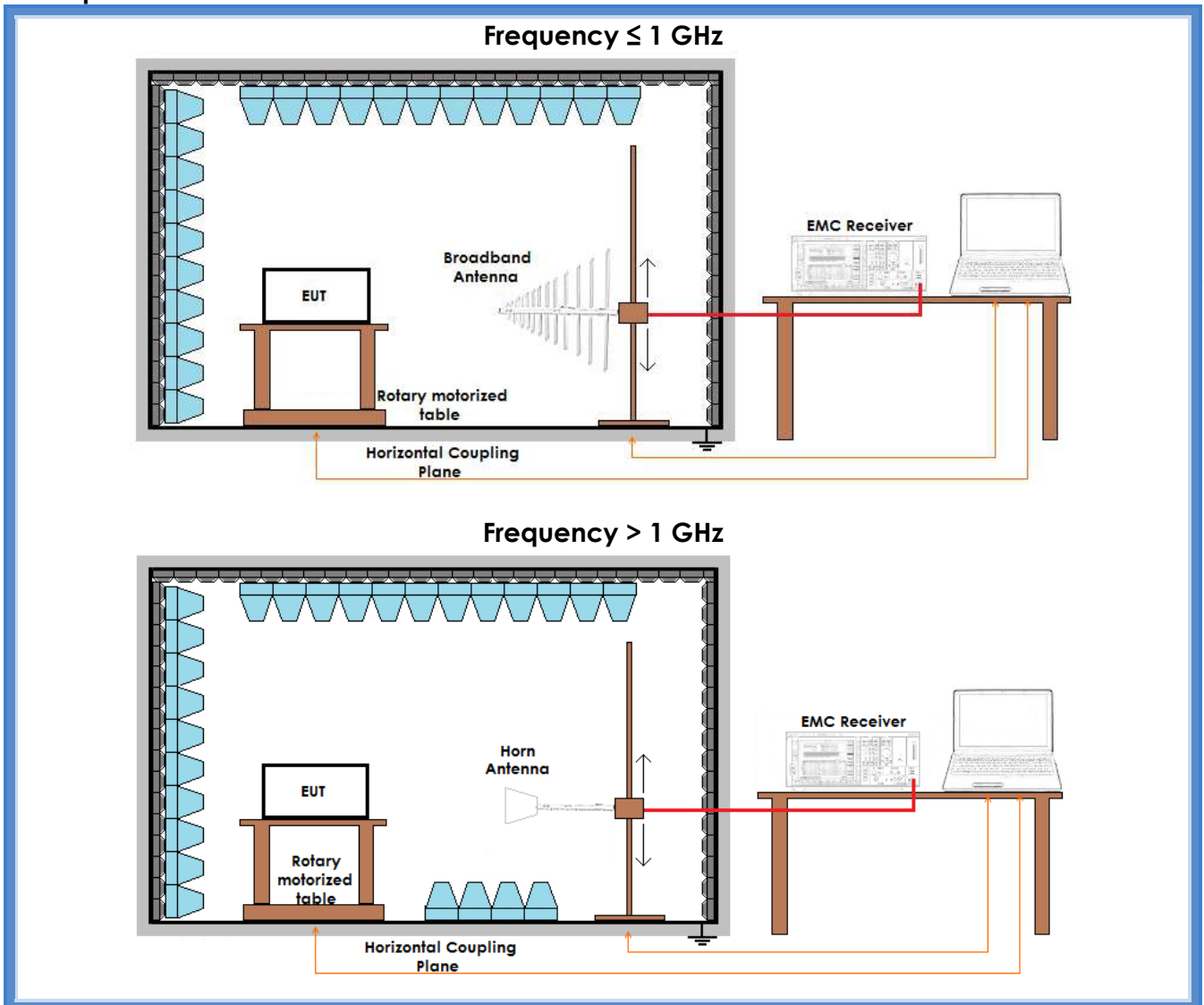
| Temperature (°C) | Atmospheric pressure (kPa) | Relative humidity (%) |
|------------------|----------------------------|-----------------------|
| 23 | 98 | 51 |

Acceptance limits

| Frequency (MHz) | AV limits [dB(μV/m)] | Peak limits [dB(μV/m)] |
|-----------------|----------------------|------------------------|
| > 1000 | 54 | 74 |



Setup



CMC Centro Misure Compatibilità S.r.l.



| | |
|---------------|-----------------------------|
| Graph: | From G13145339 to G13145344 |
|---------------|-----------------------------|

Result – AV detector

| Harmonic | Limits (dBµV/m) | Level (dBµV/m) | | | Results |
|----------|-----------------|----------------------------|----------------------------|----------------------------|----------|
| | | 915,250 MHz | 921,000 MHz | 927,750 MHz | |
| II | 54 | 46,17 | 46,50 | 44,70 | Complies |
| III | 54 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| IV | 54 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| V | 54 | 45,88 | 44,39 | 45,31 | Complies |
| VI | 54 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| VII | 54 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| VIII | 54 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| IX | 54 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| X | 54 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |

Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values

Result – Peak detector

| Harmonic | Limits (dBµV/m) | Level (dBµV/m) | | | Results |
|----------|-----------------|----------------------------|----------------------------|----------------------------|----------|
| | | 915,250 MHz | 921,000 MHz | 927,750 MHz | |
| II | 74 | 49,80 | 49,66 | 48,05 | Complies |
| III | 74 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| IV | 74 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| V | 74 | 51,90 | 51,00 | 51,52 | Complies |
| VI | 74 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| VII | 74 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| VIII | 74 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| IX | 74 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |
| X | 74 | More than 15dB below limit | More than 15dB below limit | More than 15dB below limit | Complies |

Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values

Result: The requirements are met