

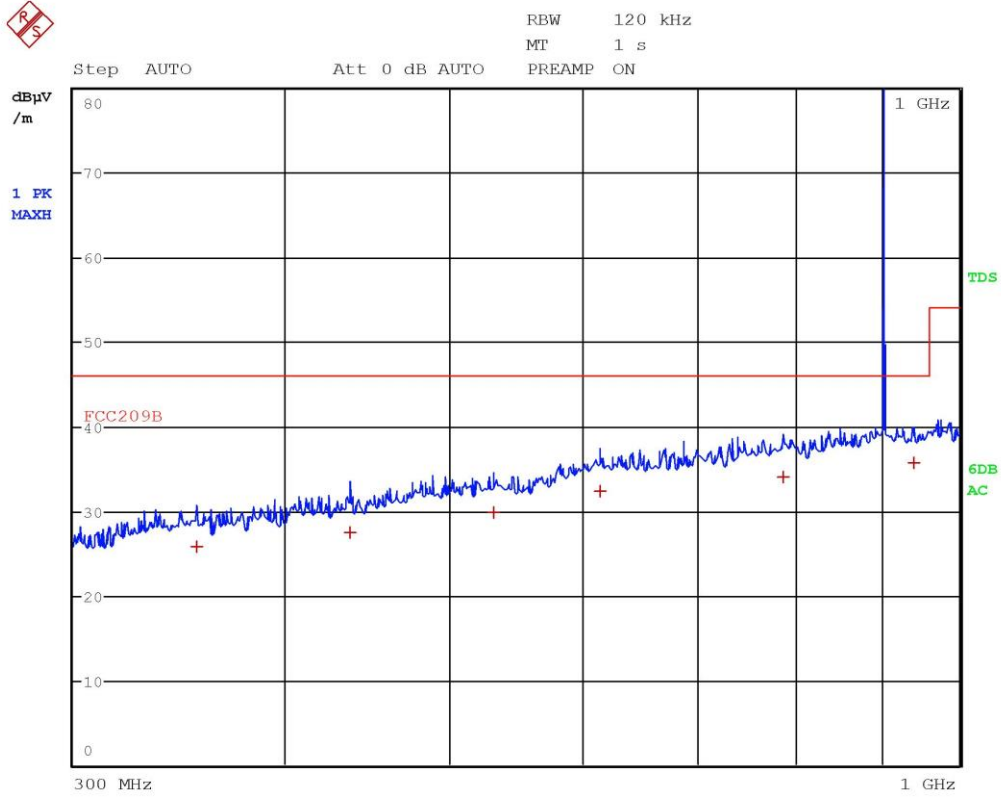
Segalla 200400B56

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 346.88 MHz | 25.80 | -20.21 |
| 1 Quasi Peak | 444.12 MHz | 27.59 | -18.42 |
| 1 Quasi Peak | 532.84 MHz | 29.83 | -16.18 |
| 1 Quasi Peak | 660.44 MHz | 32.41 | -13.60 |
| 1 Quasi Peak | 810.68 MHz | 34.13 | -11.88 |
| 1 Quasi Peak | 962.52 MHz | 36.08 | -17.90 |

Segalla 200400B56



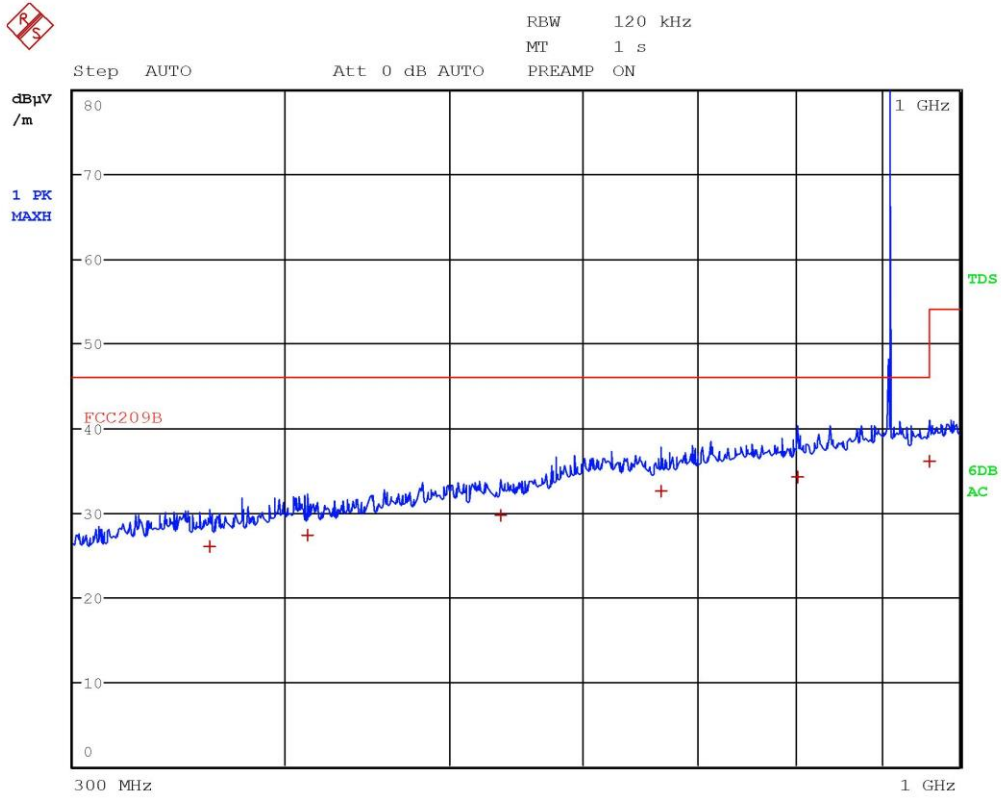
Segalla 200400B57

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 354.92 MHz | 25.82 | -20.20 |
| 1 Quasi Peak | 437.28 MHz | 27.43 | -18.59 |
| 1 Quasi Peak | 530.6 MHz | 29.76 | -16.25 |
| 1 Quasi Peak | 613.76 MHz | 32.39 | -13.63 |
| 1 Quasi Peak | 787.28 MHz | 34.07 | -11.94 |
| 1 Quasi Peak | 939.4 MHz | 35.71 | -10.30 |

Segalla 200400B57



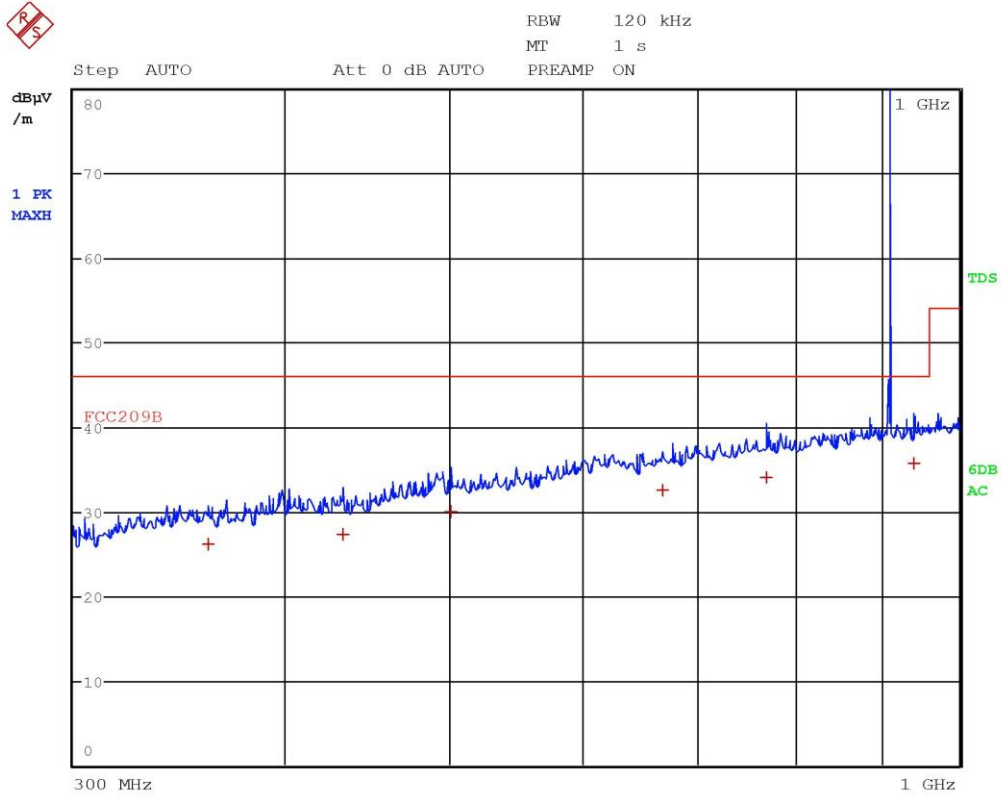
Segalla 200400B58

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 360.92 MHz | 25.98 | -20.03 |
| 1 Quasi Peak | 412.76 MHz | 27.34 | -18.67 |
| 1 Quasi Peak | 535.96 MHz | 29.68 | -16.33 |
| 1 Quasi Peak | 667.12 MHz | 32.53 | -13.48 |
| 1 Quasi Peak | 802.16 MHz | 34.17 | -11.85 |
| 1 Quasi Peak | 959.56 MHz | 36.01 | -10.00 |

Segalla 200400B58



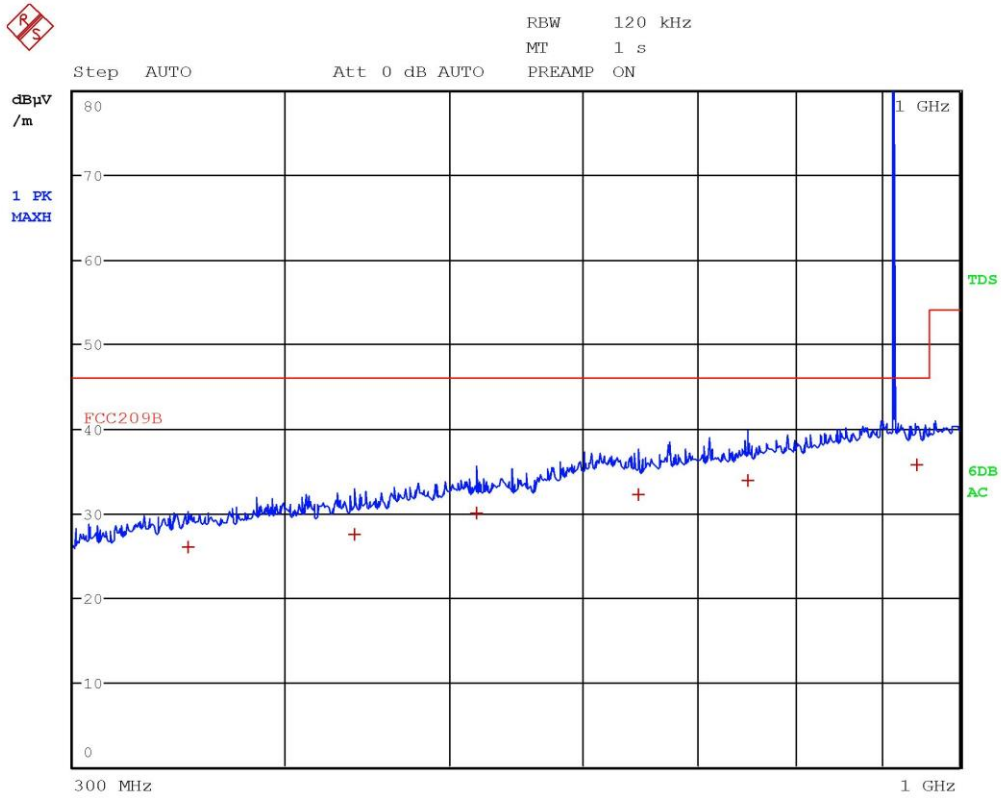
Segalla 200400B59

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| 1 Quasi Peak | 360.56 MHz | 26.10 | -19.91 |
| 1 Quasi Peak | 432.56 MHz | 27.37 | -18.64 |
| 1 Quasi Peak | 501.56 MHz | 29.91 | -16.10 |
| 1 Quasi Peak | 668.32 MHz | 32.52 | -13.49 |
| 1 Quasi Peak | 768.52 MHz | 33.98 | -12.03 |
| 1 Quasi Peak | 940.72 MHz | 35.69 | -10.32 |

Segalla 200400B59



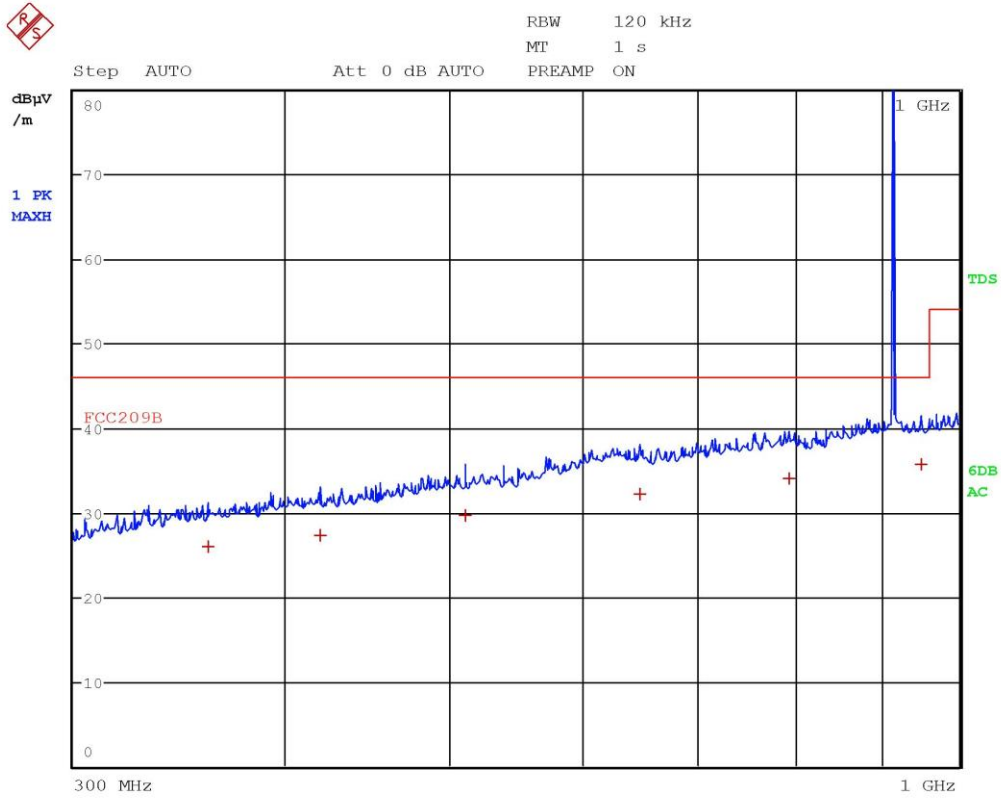
Segalla 200400B60

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 350.76 MHz | 26.03 | -19.99 |
| 1 Quasi Peak | 439.2 MHz | 27.47 | -18.54 |
| 1 Quasi Peak | 519.04 MHz | 30.00 | -16.01 |
| 1 Quasi Peak | 646.8 MHz | 32.20 | -13.81 |
| 1 Quasi Peak | 750.48 MHz | 33.80 | -12.21 |
| 1 Quasi Peak | 943.36 MHz | 35.69 | -10.32 |

Segalla 200400B60



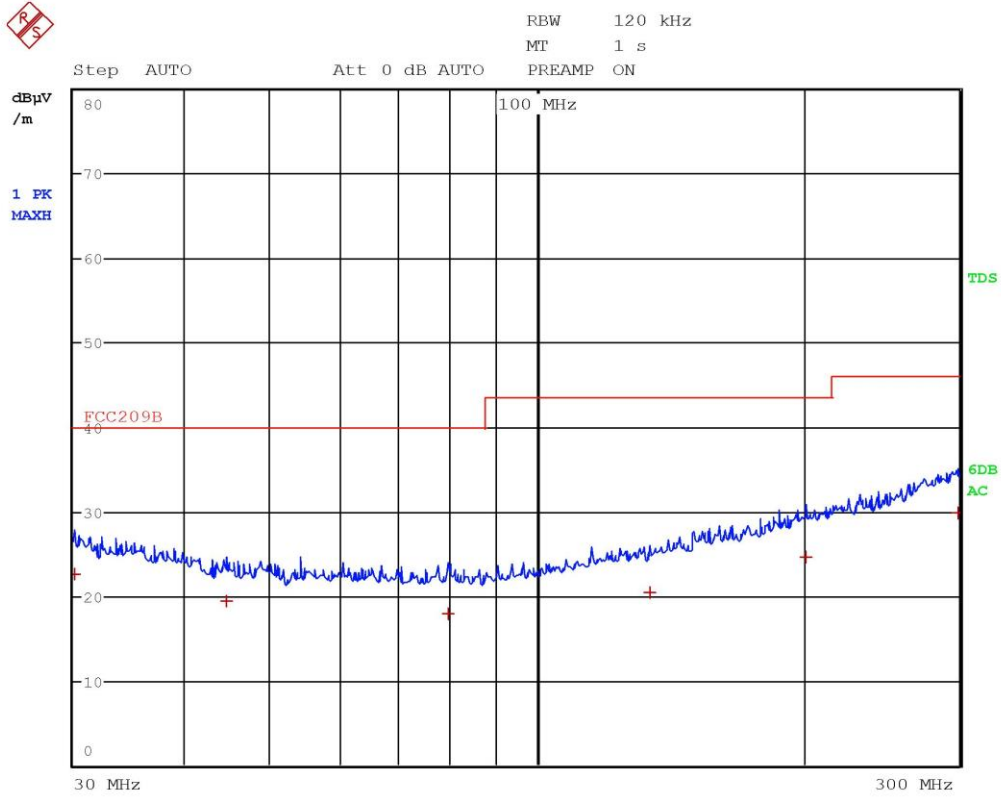
Segalla 200400B61

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 360.2 MHz | 25.90 | -20.11 |
| 1 Quasi Peak | 420 MHz | 27.30 | -18.71 |
| 1 Quasi Peak | 511.08 MHz | 29.68 | -16.33 |
| 1 Quasi Peak | 648.08 MHz | 32.16 | -13.85 |
| 1 Quasi Peak | 793.4 MHz | 34.04 | -11.97 |
| 1 Quasi Peak | 948.48 MHz | 35.67 | -10.34 |

Segalla 200400B61



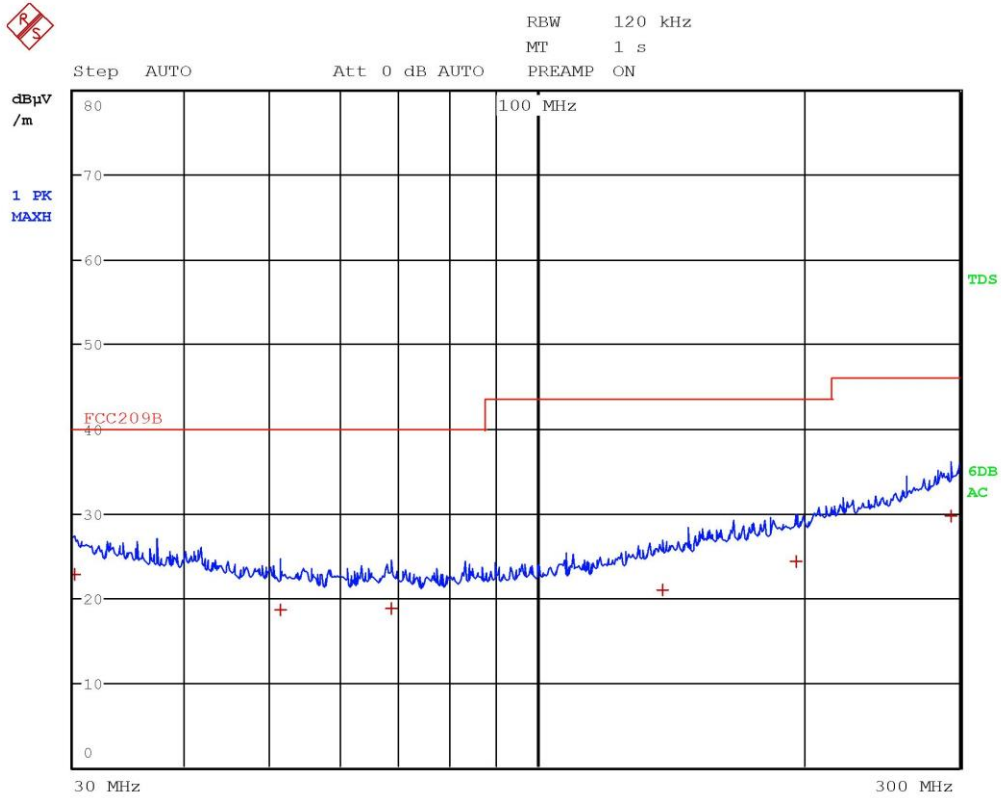
Segalla 200400B62

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 30.08 MHz | 22.59 | -17.40 |
| 1 Quasi Peak | 44.68 MHz | 19.48 | -20.51 |
| 1 Quasi Peak | 79.4 MHz | 17.91 | -22.08 |
| 1 Quasi Peak | 134.08 MHz | 20.48 | -23.03 |
| 1 Quasi Peak | 201.6 MHz | 24.63 | -18.88 |
| 1 Quasi Peak | 298.8 MHz | 29.75 | -16.26 |

Segalla 200400B62



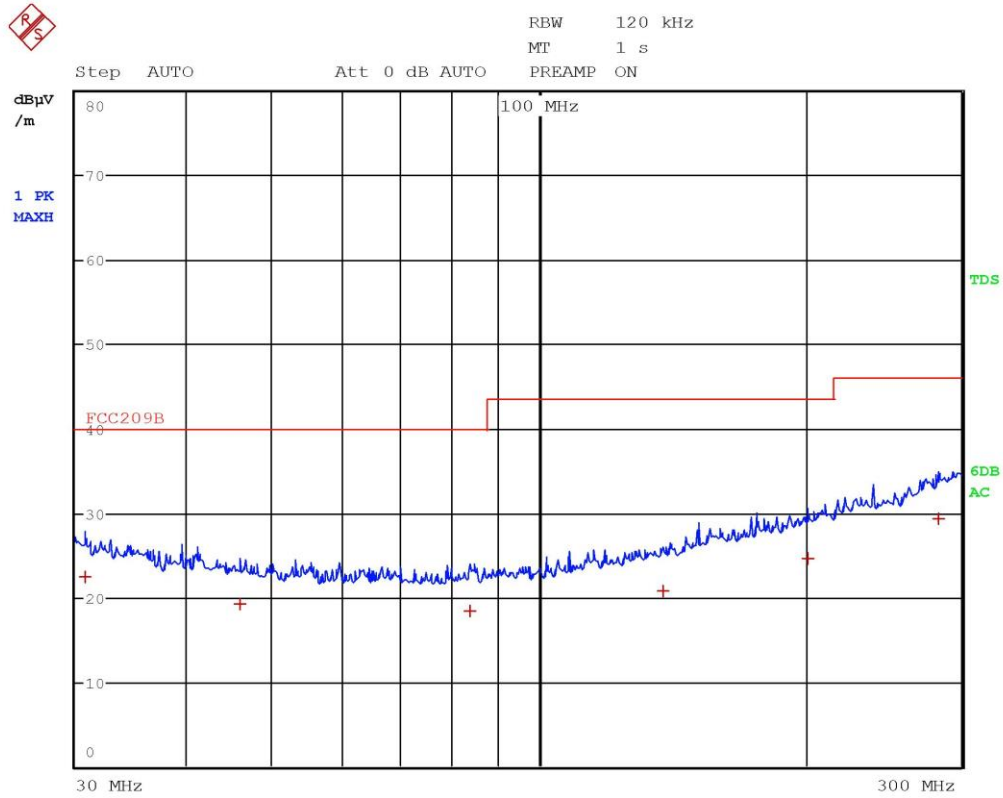
Segalla 200400B63

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 30.12 MHz | 22.69 | -17.30 |
| 1 Quasi Peak | 51.36 MHz | 18.55 | -21.44 |
| 1 Quasi Peak | 68.6 MHz | 18.82 | -21.18 |
| 1 Quasi Peak | 138.76 MHz | 20.87 | -22.64 |
| 1 Quasi Peak | 195.96 MHz | 24.25 | -19.26 |
| 1 Quasi Peak | 293.84 MHz | 29.62 | -16.39 |

Segalla 200400B63



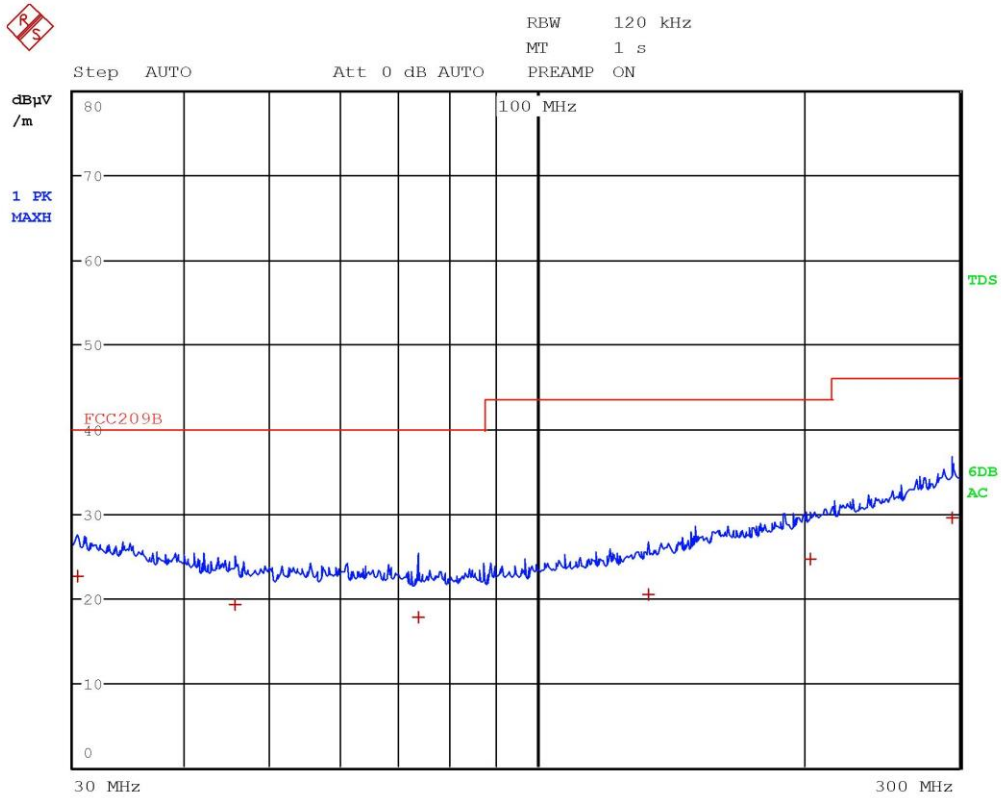
Segalla 200400B64

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 30.72 MHz | 22.49 | -17.50 |
| 1 Quasi Peak | 46 MHz | 19.18 | -20.81 |
| 1 Quasi Peak | 83.76 MHz | 18.35 | -21.64 |
| 1 Quasi Peak | 138.04 MHz | 20.77 | -22.74 |
| 1 Quasi Peak | 201.28 MHz | 24.58 | -18.93 |
| 1 Quasi Peak | 282.8 MHz | 29.38 | -16.64 |

Segalla 200400B64



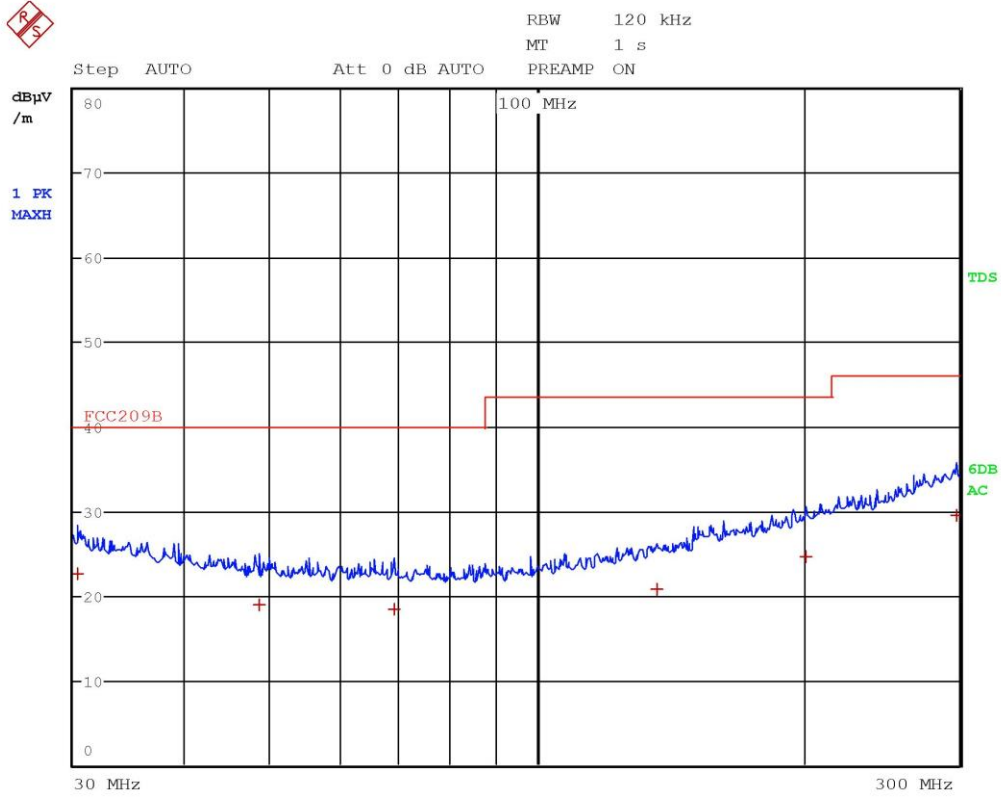
Segalla 200400B65

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 30.32 MHz | 22.60 | -17.39 |
| 1 Quasi Peak | 45.6 MHz | 19.31 | -20.69 |
| 1 Quasi Peak | 73.52 MHz | 17.78 | -22.21 |
| 1 Quasi Peak | 133.68 MHz | 20.46 | -23.06 |
| 1 Quasi Peak | 203.64 MHz | 24.54 | -18.97 |
| 1 Quasi Peak | 294.52 MHz | 29.42 | -16.59 |

Segalla 200400B65



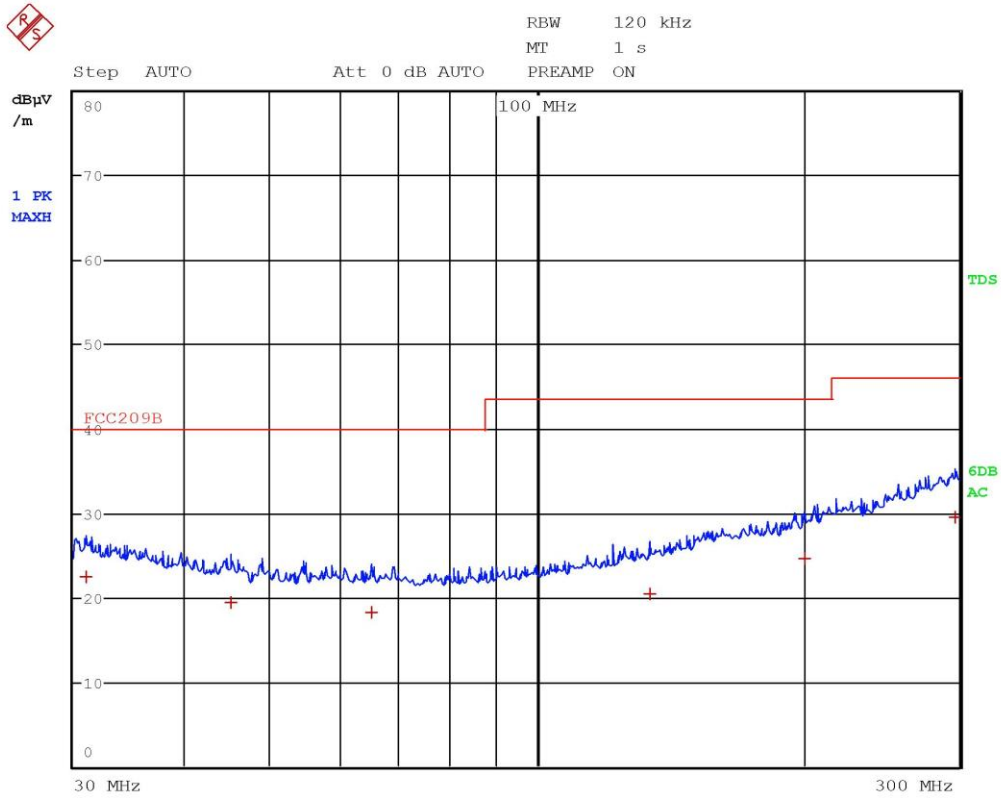
Segalla 200400B66

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 30.28 MHz | 22.53 | -17.46 |
| 1 Quasi Peak | 48.64 MHz | 18.84 | -21.15 |
| 1 Quasi Peak | 68.92 MHz | 18.36 | -21.63 |
| 1 Quasi Peak | 136.76 MHz | 20.67 | -22.84 |
| 1 Quasi Peak | 201.68 MHz | 24.61 | -18.90 |
| 1 Quasi Peak | 297.64 MHz | 29.53 | -16.49 |

Segalla 200400B66



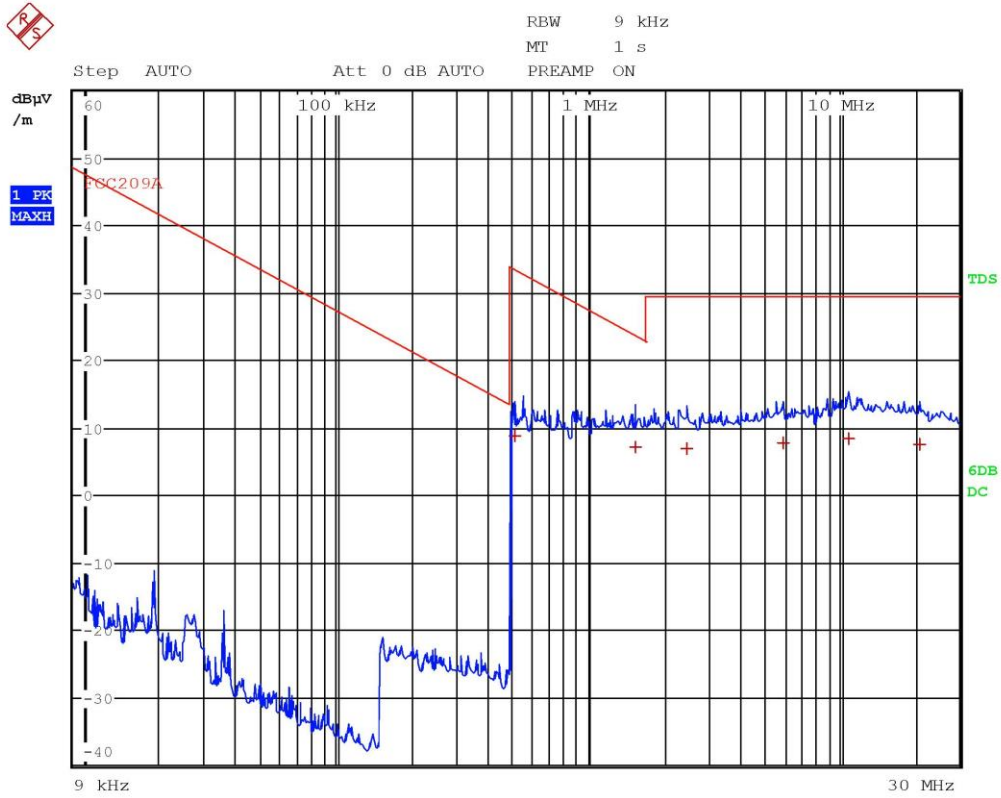
Segalla 200400B67

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 31 MHz | 22.43 | -17.57 |
| 1 Quasi Peak | 45.08 MHz | 19.42 | -20.57 |
| 1 Quasi Peak | 65.12 MHz | 18.19 | -21.80 |
| 1 Quasi Peak | 133.92 MHz | 20.48 | -23.03 |
| 1 Quasi Peak | 200.92 MHz | 24.63 | -18.88 |
| 1 Quasi Peak | 296.76 MHz | 29.42 | -16.60 |

Segalla 200400B67



Segalla 200400B68

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC209A | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 510 kHz | 8.78 | -24.66 |
| 1 Quasi Peak | 1.554 MHz | 7.25 | -16.52 |
| 1 Quasi Peak | 2.466 MHz | 7.00 | -22.53 |
| 1 Quasi Peak | 5.966 MHz | 7.78 | -21.75 |
| 1 Quasi Peak | 10.85 MHz | 8.38 | -21.15 |
| 1 Quasi Peak | 20.842 MHz | 7.59 | -21.94 |

Segalla 200400B68

9.3 Peak Output Power

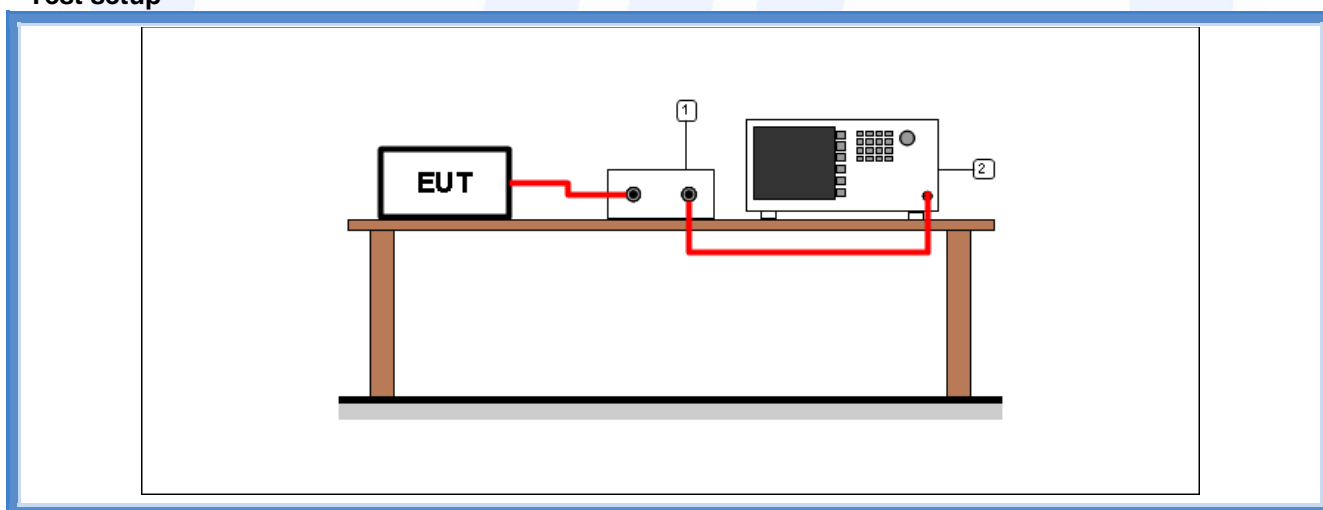
| | |
|--------------------------------|---|
| Tested by | M. Segalla |
| Test date | 03.06.2020 |
| Test location (stand) | Laboratory |
| Reference standards | FCC Rules and Regulation; Titles 47 Part. 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02 cl. 2.2 ANSI C63.10 cl. 7.8.5 |
| Supplementary information..... | -- |

Acceptance limits

For frequency hopping systems operating in the 2400–2483,5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725–5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400–2483,5 MHz band: 0,125 watts.

For frequency hopping systems operating in the 902–928 MHz band: 1 watt for systems employing at least 50 hopping channels; and, 0,25 watts for systems employing less than 50 hopping channels, but at least 25 hopping channels

Test setup



Test setup PR002_01

| Nr. | Id. Number | Manufacturer | Model | Description |
|-----|------------|-----------------|-------|---|
| 2 | CMC S295 | Rohde & Schwarz | FSW43 | Spectrum Analyzer 43GHz |
| 1 | -- | -- | -- | Cable + attenuator (calibrated before the test) |



Result – LoRa 125 kHz modulation

| Frequency (MHz) | Graphs | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (mW) |
|-----------------|------------|-------------------------|------------------------|------------|
| 902,30 | G200400B20 | 15,25 | 33,50 | 1000 |
| 908,70 | G200400B21 | 15,33 | 34,12 | 1000 |
| 914,90 | G200400B22 | 15,40 | 34,67 | 1000 |

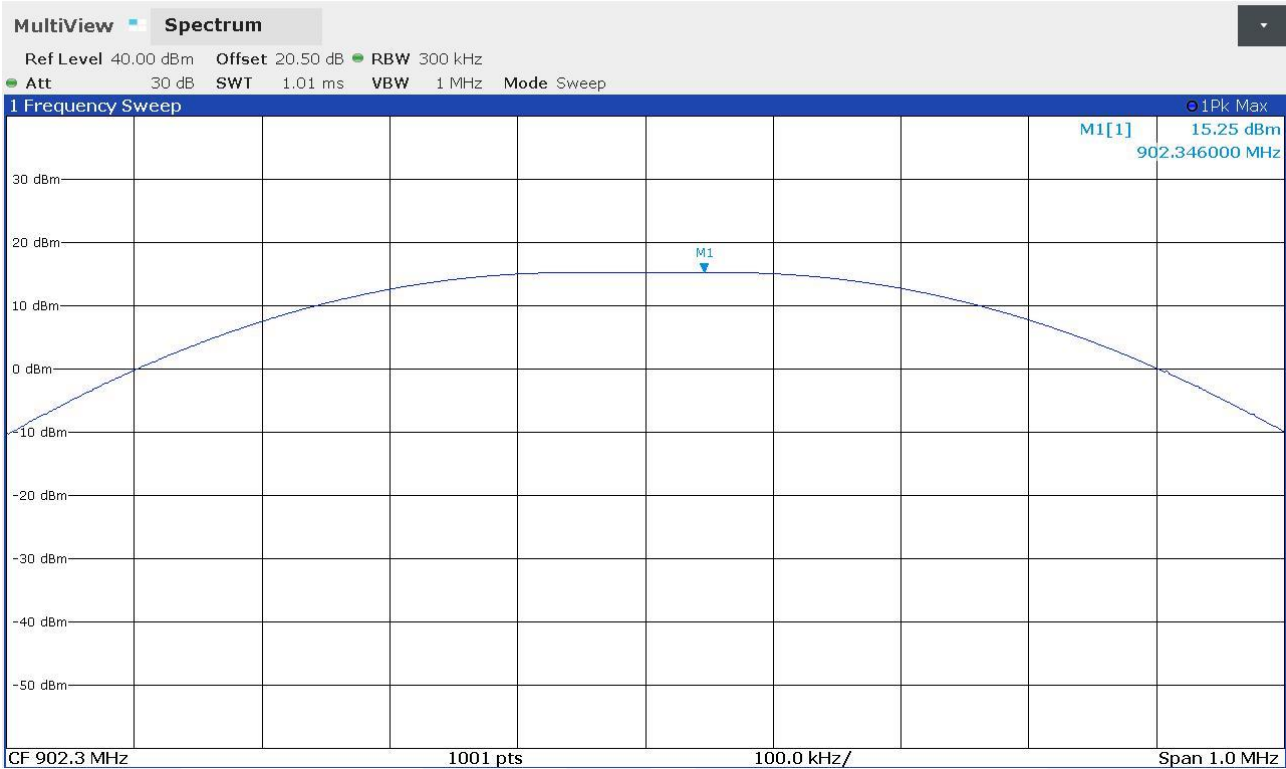
Result – LoRa 500 kHz modulation

| Frequency (MHz) | Graphs | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (mW) |
|-----------------|------------|-------------------------|------------------------|------------|
| 903,00 | G200400B69 | 15,27 | 33,65 | 1000 |
| 909,40 | G200400B70 | 15,30 | 33,88 | 1000 |
| 914,20 | G200400B71 | 15,39 | 34,59 | 1000 |

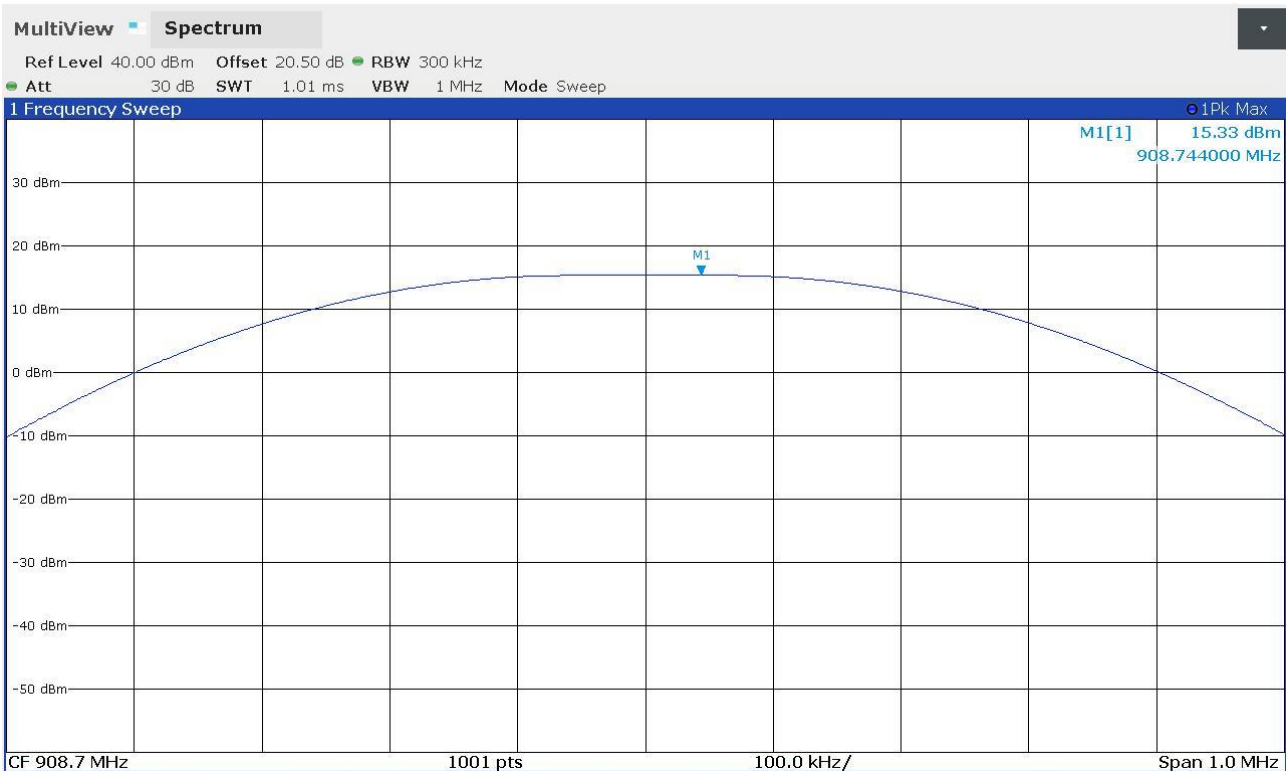


Graphs

Segalla 200400B20

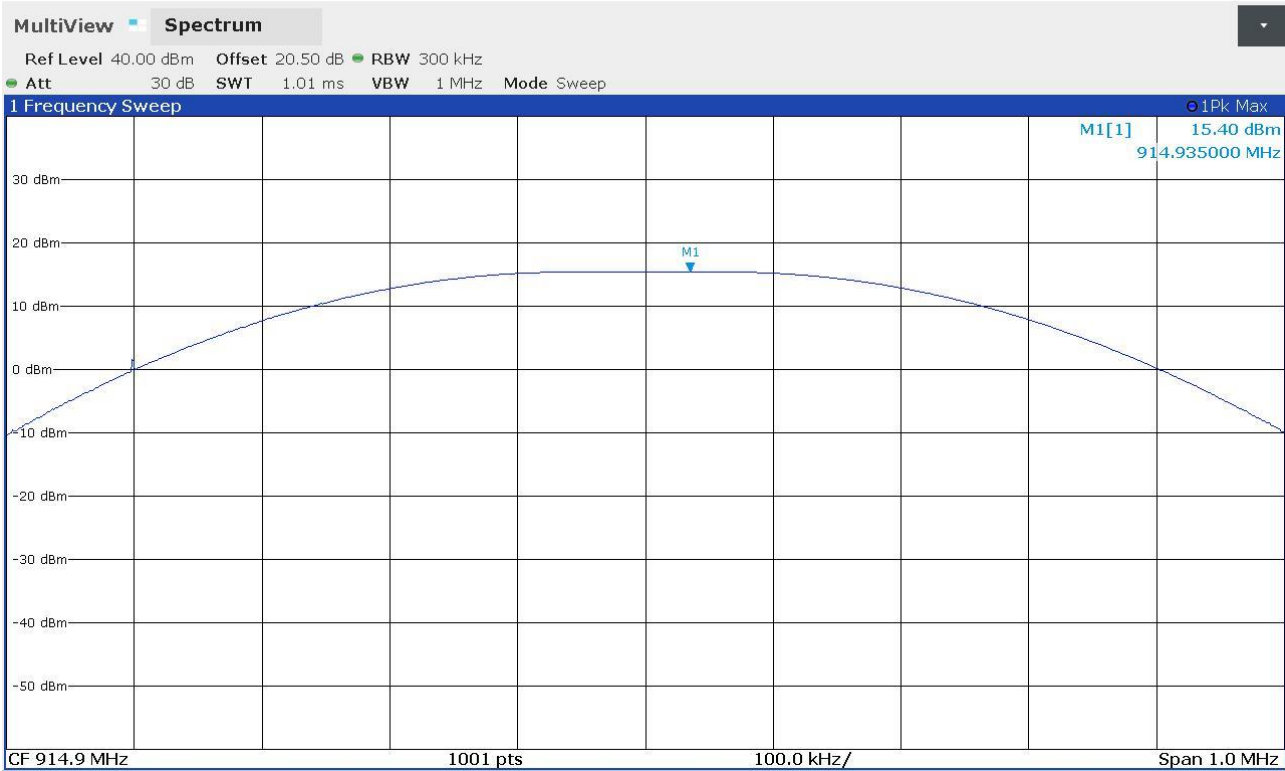


Segalla 200400B21

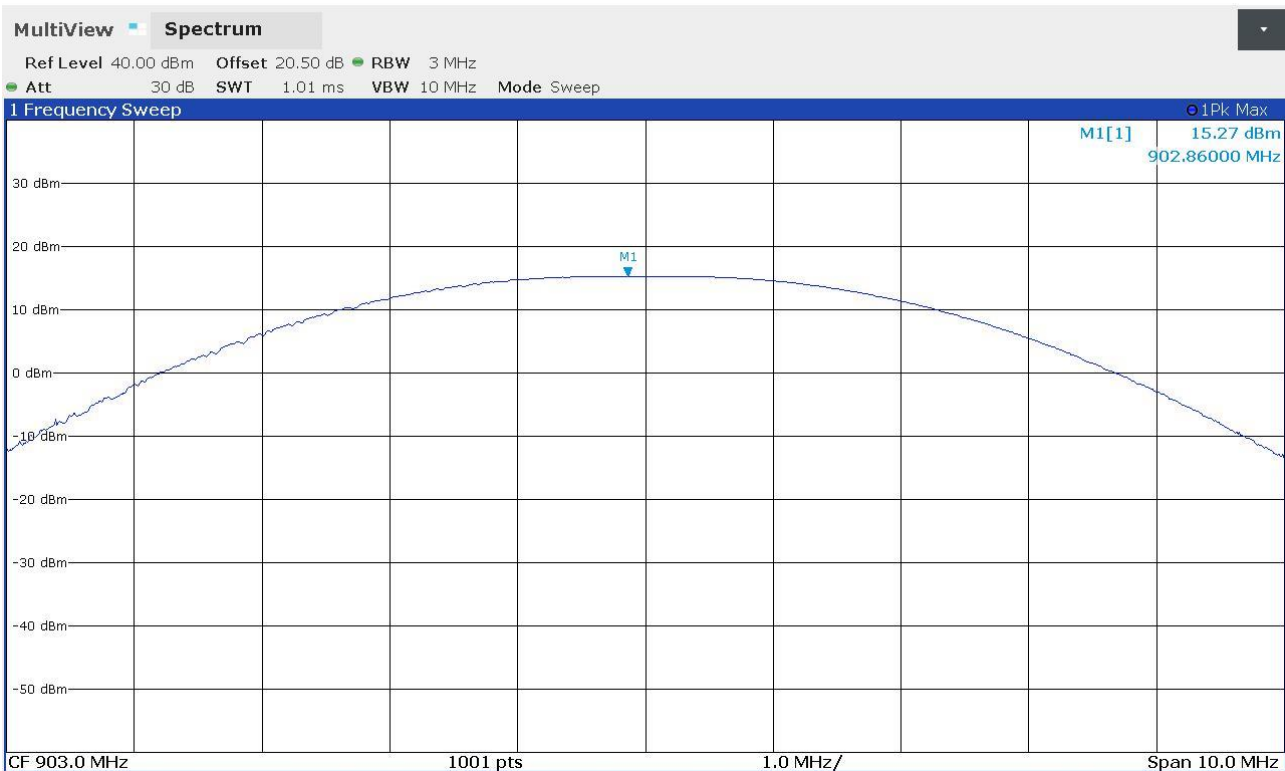




Segalla 200400B22



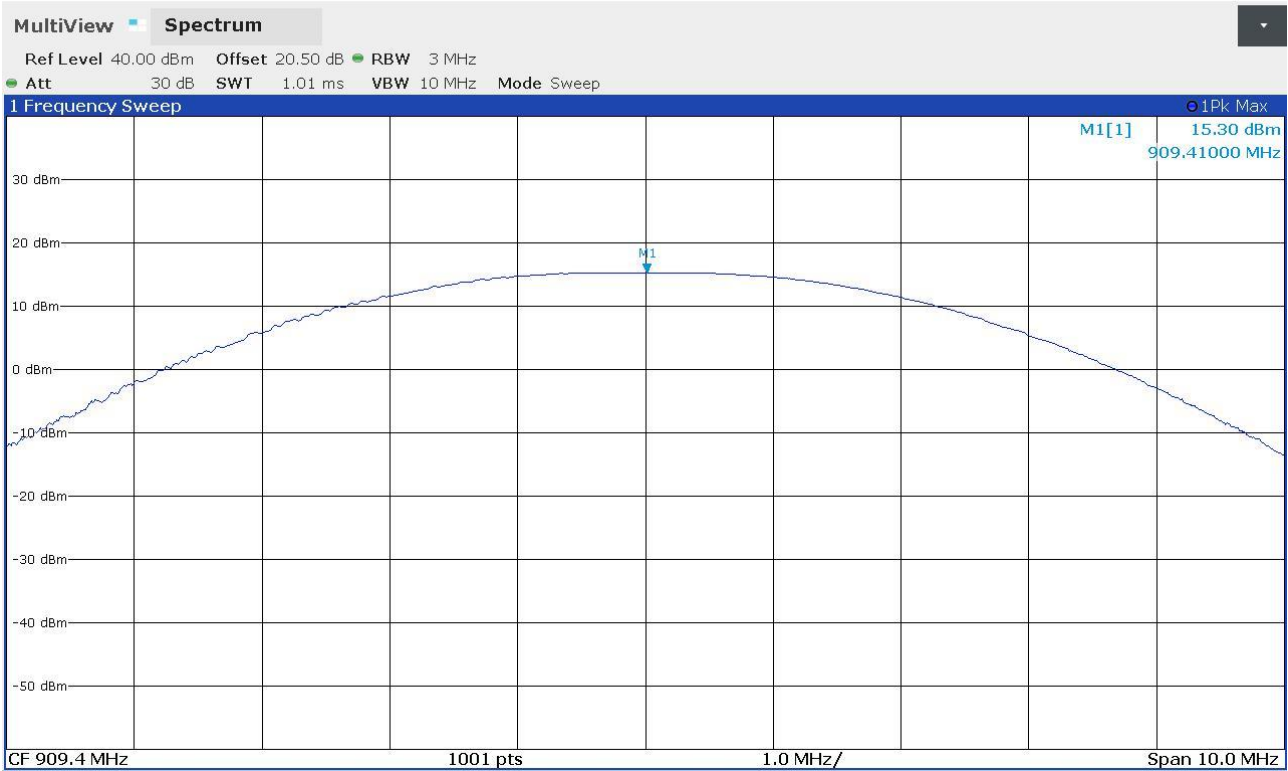
Segalla 200400B69



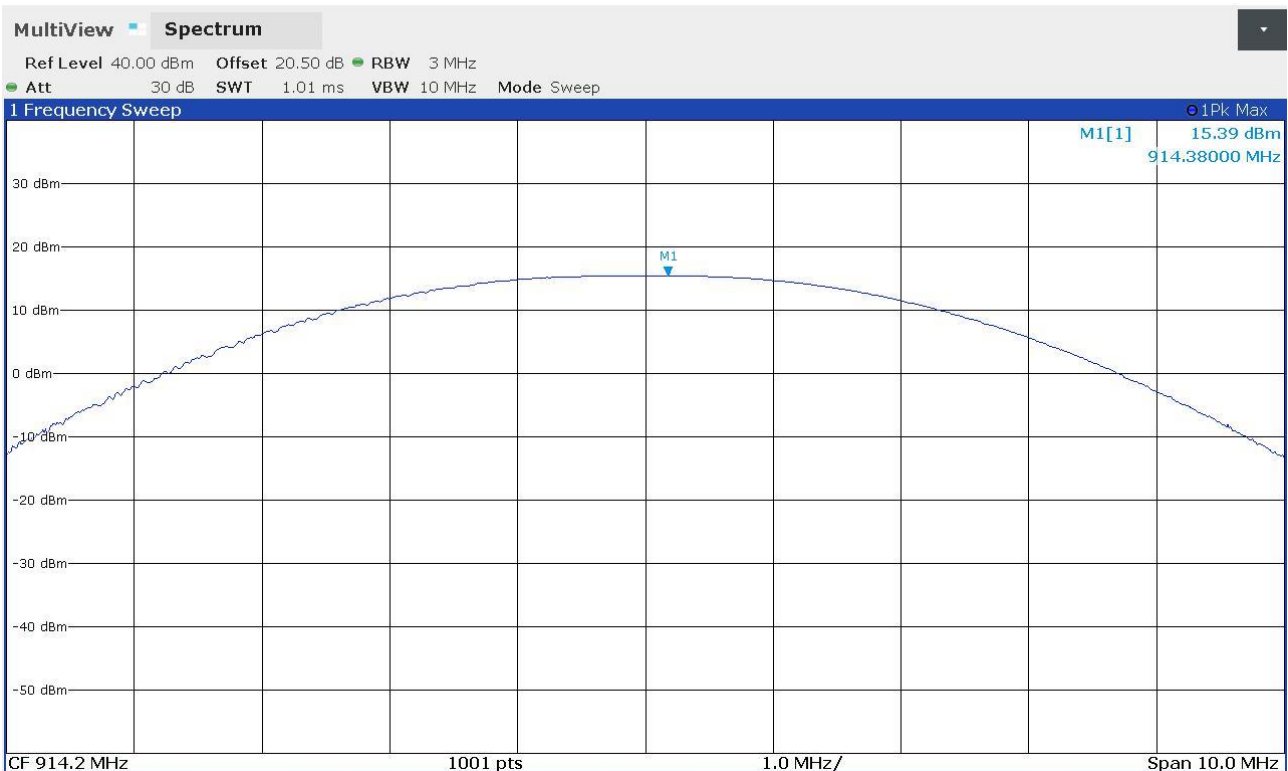
CMC Centro Misure Compatibilità S.r.l.



Segalla 200400B70



Segalla 200400B71



CMC Centro Misure Compatibilità S.r.l.



Attachment 1

| <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 '20 | January '21 |
| CMC S108 | EMCO | 3115 | Horn Antenna | 9811-5622 | June '19 | June '22 |
| CMC S127 | Schaffner | HLA6120 | Loop Antenna | 1191 | November '18 | November '23 |
| CMC S164 | Rohde & Schwarz | ESU26 | EMC interference receiver | 100052 | January '20 | January '21 |
| CMC S200 | Schwarzbeck | NSLK 8128 | V-LISN | 8128-273 | January '20 | January '21 |
| CMC S206 | Rohde & Schwarz | ESCI 7 | EMC Receiver 9KHz-7GHz | 100781 | January '20 | January '21 |
| CMC S260 | CMC | Wfr_N | Shielded Cable | Wfr_ant10-1 | November '19 | November '20 |
| CMC S261 | CMC | Wfr_N | Shielded Cable | Wfr_ant20-1 | November '19 | November '20 |
| CMC S262 | CMC | Wfr_N_fix | Shielded Cable | Wfr_fix32-1 | November '19 | November '20 |
| CMC S263 | CMC | Wfr_N_fix | Shielded Cable | Wfr_fix31-1 | November '19 | November '20 |
| CMC S264 | CMC | Wfr_N | Shielded Cable | Wfr_ext03-1 | November '19 | November '20 |
| CMC S271 | Schwarzbeck | BBA 9106 + VHBB 9124 | Biconical Antenna (30-300MHz) | 831 | June '19 | June '22 |
| CMC S287 | Schwarzbeck | VUSLP 9111B | Log-periodic Antenna (200 MHz-3Ghz) | 9111B-203 | June '19 | June '22 |
| CMC S288 | CMC | W_sma_white | Joint Shielded Cable | W_001 | November '19 | November '20 |
| CMC S295 | Rohde & Schwarz | FSW43 | Spectrum Analyzer 43GHz | 104059 | November '19 | November '22 |



Attachment 1

Measurement uncertainty

| Test | Test Setup | Expanded uncertainty | Note |
|---|------------|--------------------------|------|
| Conducted emission CISPR 16 LISN 50uH 0,009-0,0150 MHz | PE001_01 | 3,4 dB | 1 |
| Conducted emission CISPR 16 LISN 50uH 0,150-30,0 MHz | PE001_01 | 3,0 dB | 1 |
| Conducted emission CISPR 16 Voltage Probe 0,15-30 MHz | PE001_02 | 2,9 dB | 1 |
| Conducted emission CISPR 16 Current Probe 0,15-30 MHz | PE001_03 | 2,6 dB | 1 |
| Conducted emission CISPR 16 ISN 0,15-30 MHz | PE001_04 | 4,7 dB | 1 |
| Clic CISPR 16 LISN 50uH 0,150-30,0 MHz | PE001_05 | 2,9 dB | 1 |
| Radiated Emission CDNE 30-300 MHz | PE001_06 | 3,3 dB | 1 |
| Disturbance Power 30-300 MHz | PE002_01 | 3,6 dB | 1 |
| Radiated Emission LAS 0,15-30 MHz | PE003_01 | 2,0 dB | 1 |
| Radiated Emission CISPR 16 Loop Ant. 0,15-30 MHz | PE004_01 | 4,0 dB | 1 |
| Radiated Emission CISPR 16 Bicon. Ant. 30-300 MHz | PE004_02 | 3,9 dB | 1 |
| Radiated Emission CISPR 16 LogP. Ant. 300-1000 MHz | PE004_03 | 3,8 dB | 1 |
| Radiated Emission CISPR 16 Horn Ant. 1-18 GHz | PE004_04 | 4,2 dB | 1 |
| Human Exposure to electromagnetic fields | PE005_01 | 23,6 % | 1 |
| Harmonics | PE006_01 | 10 mA + 2,6 % | 1 |
| Flicker | PE007_01 | 4,79 % | 1 |
| Radiated Immunity 80 MHz - 6 GHz | PE102_XX | 1,95 dB 0,75 V/m a 3V/m | 1 |
| Conducted Immunity 0,15 - 230 MHz | PE105_XX | 1,20 dB 0,44 V a 3V | 1 |
| AC Magnetic field | PE106_01 | 1,55 % 0,15 A/m a 10A/m | 1 |
| Pulse Magnetic field | PE107_01 | 6,25 % 18,7 A/m a 300A/m | 1 |
| Dumped Magnetic field | PE108_01 | 6,25 % 1,87 A/m a 30A/m | 1 |
| Common mode conducted immunity | PE112_01 | 2,21 % 0,22 V a 10V | 1 |



Attachment 1

| Test | Test Setup | Expanded uncertainty | Note |
|--|-------------|----------------------|------|
| Power/Spurious 9kHz-30MHz | PR001_01 | 4,0 dB | 1 |
| Power/Spurious ERP 30-1000MHz d=10m | PR001_02+03 | 4,7 dB | 1 |
| Misura della potenza EIRP 1-18GHz d=3m | PR001_04+05 | 4,7 dB | 1 |
| Misura della potenza EIRP 18-40GHz d=3m | PR001_06 | 5,4 dB | 1 |
| Frequency error | PR002_01+02 | < 1x10 ⁻⁷ | 1 |
| Timing zero span (1001pts.) | PR002_01+02 | 0,2 % SWT | 1 |
| Modulation bandwidth | PR002_01+02 | < 1x10 ⁻⁷ | 1 |
| Conducted RF power and spurious emission | PR002_01+02 | 1,1 dB | 1 |
| Adjacent channel power | PR002_01+02 | 1,1 dB | 1 |
| Blocking | PR002_01+02 | 1,1 dB | 1 |

| Test | Test Setup | Expanded uncertainty | Note |
|--|------------|----------------------|------|
| Electrostatic discharge immunity test | PE101_0X | | 2 |
| Electrical fast transients / burst immunity test | PE103_0X | | 2 |
| Surge immunity test | PE104_0X | | 2 |
| Short interruption immunity test | PE109_01 | | 2 |
| Ring Wave immunity test | PE110_01 | | 2 |
| Low frequency immunity test | PE111_01 | | 2 |
| Dumped Oscillatory immunity test | PE113_01 | | 2 |
| Rev_20_02 date 24/02/2020 | | | |

Note 1:

The expanded uncertainty reported according to the document EA-4-02 is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of p = 95%

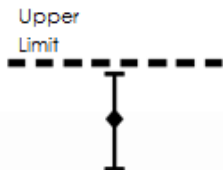
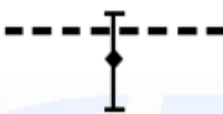
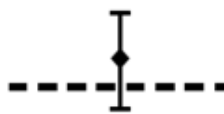

Note 2:

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



Attachment 1

Judgement of compliance

| Case 1 | Case 2 | Case 3 | Case 4 |
|--|---|---|--|
|  <p>The sample complies with the requirements.</p> <p>The measurement results is within the specification limit when the measurement uncertainty is taken into account.</p> |  <p>The sample complies with the requirements.</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 does not comply with the requirements.</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 does not comply with the requirements.</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

Quality manual references – Internal procedure

| | |
|--|-------------------------------------|
| Internal Procedure PM001 rev. 3.0 (Quality Manual) | Measure procedure |
| Internal Procedure INC_M rev. 9.1 (Quality Manual) | Measurement uncertainty calculation |