



| TEST REPORT nr. R18044401 | |
|--|--|
| Federal Communication Commission (FCC) | |
| Test item | |
| Description | DIGITAL CONTROLLER WITH ADVANCED ENERGY SAVING MANAGEMENT AND BLUETOOTH CONNECTIVITY |
| Trademark | EMERSON |
| Model/Type | XR60CHC 20+8+5A 110V |
| FCC ID | ZG501XRCHC |
| Test Specification | |
| Standard..... | FCC Rules & Regulations, Title 47:2017 Part 15 paragraph(s): 209 |
| Client's name | |
| DIXELL S.r.l. | |
| Address | |
| Via dell'Industria, 27 – 32016 Alpago (BL) – ITALY | |
| Manufacturer's name : | |
| Same as client | |
| Address | |
| -- | |
| Report | |
| Tested by | C. Panozzo |
| Approved by | R. Beghetto – <i>Laboratory Manager</i> |
| Date of issue | 28.06.18 |
| Contents..... | 57 pages |

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 The test results presented in this report relate only to the item tested.

CMC Centro Misure Compatibilità S.r.l.



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1. Summary

Standard:

FCC Rules & Regulations, Title 47:2017
 Part 15 paragraph(s): 209

| Test specifications | Environmental Phenomena | Tests sequence | Result |
|---------------------|---|----------------|----------|
| Part 15.209 | Emissions in restricted frequency bands and in unrestricted frequency bands | 1 | Complies |
| Part 15.209 | Spurious emission | 2 | Complies |

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. 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 S108 | EMCO | 3115 | Horn Antenna | 9811-5622 | June '16 | June '19 |
| CMC S164 | Rohde & Schwarz | ESU26 | EMC interference receiver | 100052 | January '18 | January '19 |
| CMC S241 | Schwarzbeck | BBV 9718 | Broadband Preamplifier (0,5-18GHz) | 9718-126 | January '18 | January '19 |
| CMC S251 | Schwarzbeck | BBV 9745 | Broadband Preamplifier (9kHz - 2GHz) | 9745-0019 | September '17 | September '18 |
| CMC S271 | Schwarzbeck | BBA 9106 + VHBB 9124 | Biconical Antenna (30-300MHz) | 831 | June '16 | June '19 |
| CMC S287 | Schwarzbeck | VUSLP 9111B | Log-periodic Antenna (200 MHz-3Ghz) | 9111B-203 | June '16 | June '19 |
| CMC S290 | Schwarzbeck | BBHA 9170 | Horn Antenna (15-26,5 GHz) | 9170-043 | October '16 | October '19 |
| CMC S298 | RIGOL | DSG3060 | RF Signal Generator (9kHz-6GHz) | DSG3A183600076 | November '17 | November '18 |



6. Measurement uncertainty

| Test | Test Setup | Expanded uncertainty | Note |
|--|------------|--------------------------|------|
| Conducted emission CISPR 16 LISN 50uH 0,009-0,0150MHz | PE001_01 | 3,4 dB | 1 |
| Conducted emission CISPR 16 LISN 50uH 0,150-30,0MHz | PE001_01 | 2,8 dB | 1 |
| Conducted emission CISPR 16 Voltage Probe 0,15-30MHz | PE001_02 | 2,6 dB | 1 |
| Conducted emission CISPR 16 Current Probe 0,15-30MHz | PE001_03 | 2,2 dB | 1 |
| Conducted emission CISPR 16 ISN 0,15-30MHz | PE001_04 | 4,5 dB | 1 |
| Clc CISPR 16 LISN 50uH 0,150-30,0MHz | PE001_05 | 3,1 dB | 1 |
| Disturbance Power 30-300 MHz | PE002_01 | 3,4 dB | 1 |
| Radiated Emission LAS 0,15-30MHz | PE003_01 | 1,5 dB | 1 |
| Radiated Emission CISPR 16 Loop Ant. 0,15-30MHz | PE004_01 | 3,8 dB | 1 |
| Radiated Emission CISPR 16 Bicon. Ant. 30-300MHz | PE004_02 | 3,3 dB | 1 |
| Radiated Emission CISPR 16 LogP. Ant. 300-1000MHz | PE004_03 | 3,1 dB | 1 |
| Radiated Emission CISPR 16 Horn Ant. 1-18GHz | PE004_04 | 3,6 dB | 1 |
| Human Exposure to electromagnetic fields | PE005_01 | 15,0 % | 1 |
| Harmonic current emissions test | PE006_01 | 10 mA + 1,6 % | 1 |
| Voltage fluctuation and flicker test | PE007_01 | 4,2 % | 1 |
| Radiated Immunity 80MHz-6GHz | PE102_XX | 2,1 dB 0,82 V/m a 3V/m | 1 |
| Conducted Immunity 0,15-230MHz | PE105_XX | 1,2 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 | 6,24 % 18,7 A/m a 300A/m | 1 |
| Dumped Magnetic field | PE108_01 | 6,24 % 1,87 A/m a 30A/m | 1 |
| Common mode conducted immunity | PE112_01 | 2,20 % 0,22 V a 10V | 1 |



| Test | Test Setup | Expanded uncertainty | Note |
|--|-------------|----------------------|------|
| Power/Spurious 9kHz-30MHz | PR001_01 | 3,8 dB | 1 |
| Power/Spurious ERP 30-1000MHz d=10m | PR001_02+03 | 4,3 dB | 1 |
| Misura della potenza EIRP 1-18GHz d=3m | PR001_04 | 4,3 dB | 1 |
| Misura della potenza EIRP 18-40GHz d=3m | PR001_05 | 5,5 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 | 1,2 dB | 1 |
| Adjacent channel power | PR002_01+02 | 1,2 dB | 1 |
| Blocking | PR002_01+02 | 1,2 dB | 1 |

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



7. Reference documents

| Reference no. | Description |
|--|--|
| FCC Rules and Regulation Title 47 part 15:2017 | -- |
| ANSI C63.4:2014 | 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 |
| ANSI C63.10:2013 | American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices |
| KDB 558074 D01 DTS Meas Guidance v04 | Guidance for Performing Compliance Measurements on Digital Transmission Systems (DTS) Operating Under § 15.247 |
| Internal Procedure PM001 rev. 3.0 (Quality Manual) | Measure Procedure |
| Internal procedure INC_M rev. 9.0 (Quality Manual) | Measurement uncertainty calculation |



8. Deviation from test specification

None

9. 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.

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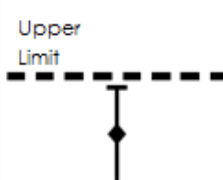
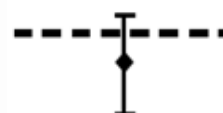




10. Results

In this clause tests results are reported.

Measurement uncertainty is in accordance with document CMC INC_M rev. 9.0.

Judgement of compliance:

| Case 1 | Case 2 | Case 3 | Case 4 |
|---|--|--|---|
|  <p>The sample complies with the requirement.</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 requirement.</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 requirement.</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 requirement.</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.



10.1 Emissions in restricted frequency bands and in unrestricted frequency bands

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part. 15.209
- KDB 558074 D01 DTS Meas Guidance v04 cl. 11 and 12
- ANSI C63.10 cl. 6.4, 6.5 and 6.6
- Internal procedure PM001
- See clause 4 of this test report
- Test date: June 19th, 2018
- Technician: C. Panozzo

Test configuration

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 S164, CMC S241, CMC S251, CMC S290, CMC S298
 Measurement uncertainty: See clause 6 of this test report

Test specification

Port: Enclosure
 Frequency range: 30 – 26000 MHz
 Antenna polarization: Horizontal (H) – Vertical (V)
 EUT height about the floor:
 80 cm for frequencies ≤ 1000 MHz
 150 cm for frequencies > 1000 MHz
 EUT – Antenna distance:
 10 m for frequencies ≤ 1000 MHz
 3 m for frequencies > 1000 MHz

Environmental conditions

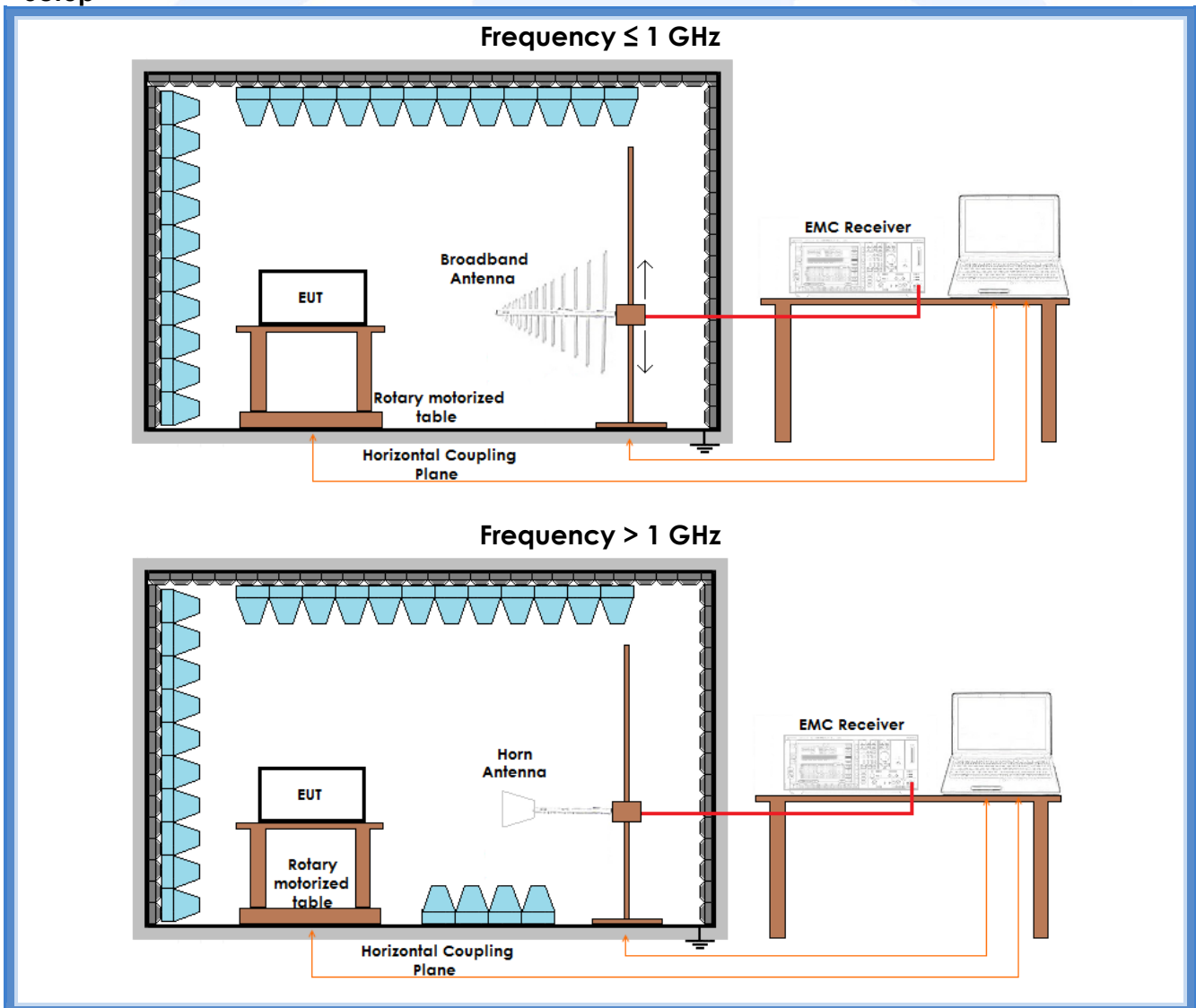
| Temperature (°C) | Atmospheric pressure (kPa) | Relative humidity (%) |
|------------------|----------------------------|-----------------------|
| 22 | 100 | 42 |

Acceptance limits

| Frequency range (MHz) | Test distance (m) | Limits [dB(μV/m)] | |
|-----------------------|-------------------|------------------------------------|--------------------------|
| 30 to 88 | 3 | 40 | |
| 88 to 216 | 3 | 43,5 | |
| 216 to 960 | 3 | 46,0 | |
| Above 960 | 3 | 53,9 | |
| | Test distance (m) | Linear average detector [dB(μV/m)] | Peak detector [dB(μV/m)] |
| Above 1000 | 3 | 53,9 | 73,9 |

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





Result

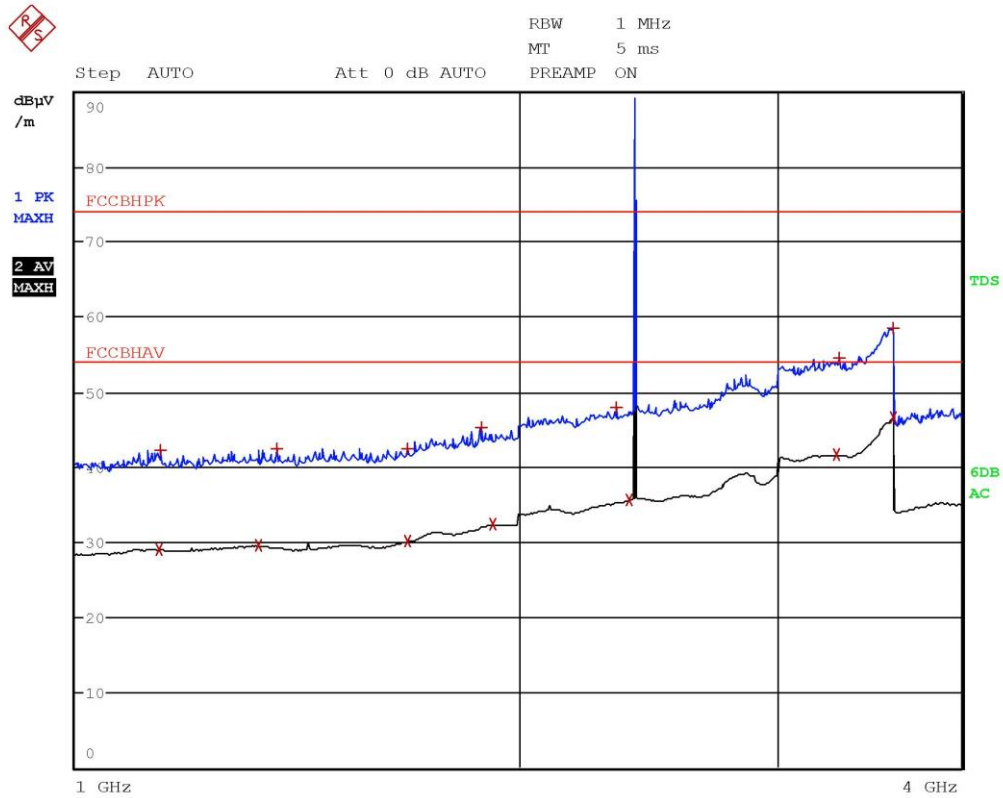
| Polarization | Frequency Range (MHz) | Graphs | Remarks | Result |
|-----------------|--|-----------|-----------------|----------|
| H | 1000 – 4000 | G18044401 | Lowest channel | Complies |
| V | 1000 – 4000 | G18044402 | Lowest channel | Complies |
| H | 1000 – 4000 | G18044403 | Medium channel | Complies |
| V | 1000 – 4000 | G18044404 | Medium channel | Complies |
| V | 1000 – 4000 | G18044405 | Highest channel | Complies |
| H | 1000 – 4000 | G18044406 | Highest channel | Complies |
| H | 4000 – 10000 | G18044407 | Highest channel | Complies |
| V | 4000 – 10000 | G18044408 | Highest channel | Complies |
| H | 4000 – 10000 | G18044411 | Lowest channel | Complies |
| V | 4000 – 10000 | G18044412 | Lowest channel | Complies |
| V | 10000 – 18000 | G18044413 | Worst case | Complies |
| H | 10000 – 18000 | G18044414 | Worst case | Complies |
| H | 18000 – 26000 | G18044415 | Worst case | Complies |
| V | 18000 – 26000 | G18044416 | Worst case | Complies |
| V | 30 – 300 | G18044417 | Worst case | Complies |
| H | 30 – 300 | G18044418 | Worst case | Complies |
| H | 300 – 1000 | G18044419 | Worst case | Complies |
| V | 300 – 1000 | G18044420 | Worst case | Complies |
| V | 4000 – 10000 | G18044422 | Medium channel | Complies |
| H | 4000 – 10000 | G18044423 | Medium channel | Complies |
| Remarks: | Measurements at frequencies lower than 1000 MHz have been performed with an EUT – antenna distance of 10 m. Measured values have been corrected with different conversion factors, based on the measuring distance provided by the standard. Peaks above the limits are caused by the nominal transmitting frequencies | | | |

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

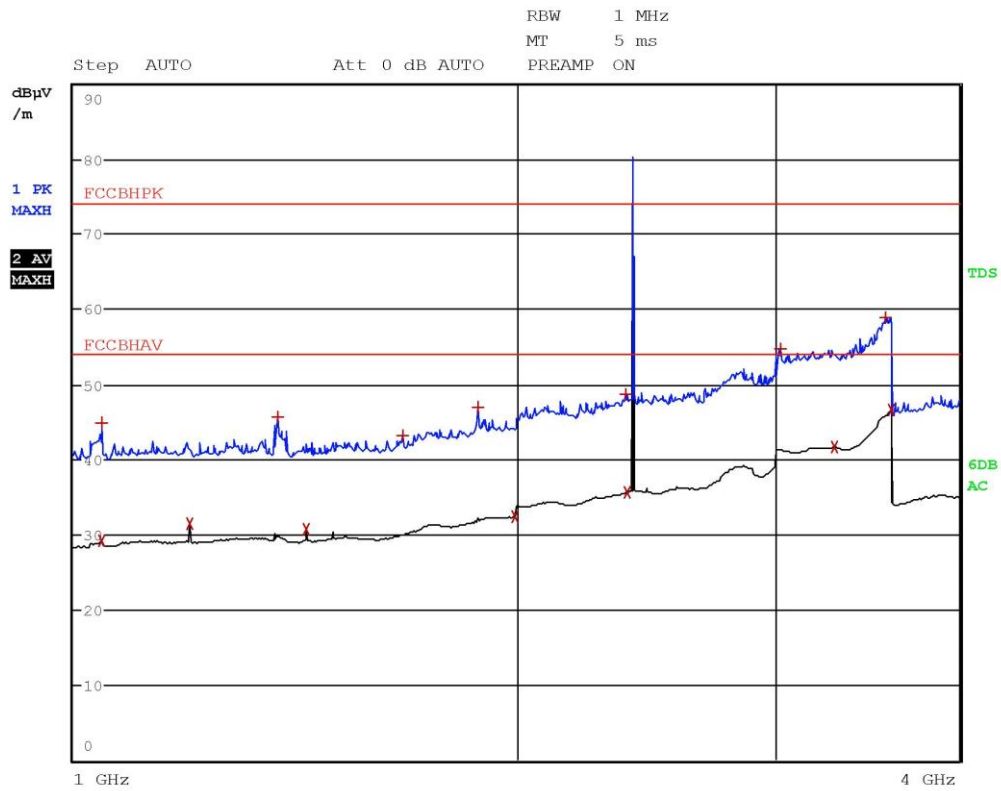


Panozzo 18044401 Horiz In Funzione tx Ch 42



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|---------------|-----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL, dBµV/m | DELTA LIMIT, dB |
| 2 Average | 1.14 GHz | 29.11 | -24.86 |
| 1 Max Peak | 1.142 GHz | 42.34 | -31.63 |
| 2 Average | 1.33 GHz | 29.55 | -24.42 |
| 1 Max Peak | 1.3716 GHz | 42.35 | -31.62 |
| 1 Max Peak | 1.6796 GHz | 42.53 | -31.44 |
| 2 Average | 1.68 GHz | 30.15 | -23.82 |
| 1 Max Peak | 1.8856 GHz | 45.20 | -28.77 |
| 2 Average | 1.92 GHz | 32.34 | -21.63 |
| 1 Max Peak | 2.3292 GHz | 47.86 | -26.12 |
| 2 Average | 2.3784 GHz | 35.60 | -18.37 |
| 2 Average | 3.2888 GHz | 41.60 | -12.37 |
| 1 Max Peak | 3.3056 GHz | 54.49 | -19.48 |
| 2 Average | 3.5992 GHz | 46.57 | -7.40 |
| 1 Max Peak | 3.5996 GHz | 58.54 | -15.43 |

Panozzo 18044401 Horiz In Funzione tx Ch 42



Panozzo 18044402 Vert In Funzione tx Ch 42

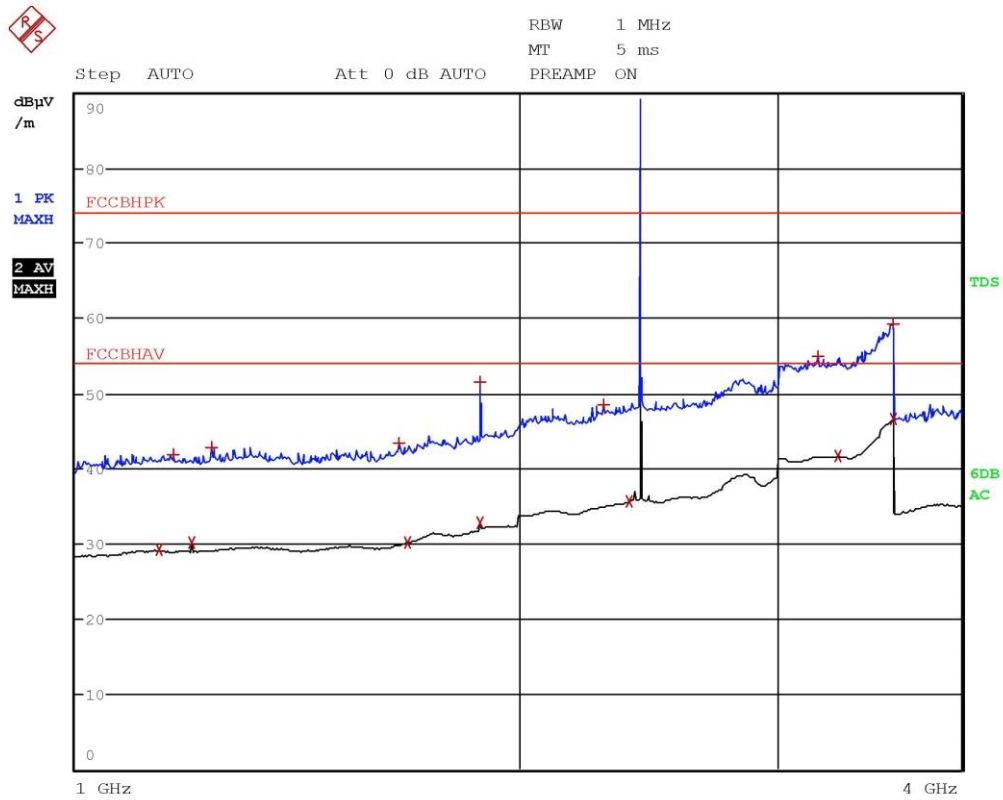
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| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 2 Average | 1.0456 GHz | 29.27 | -24.70 |
| 1 Max Peak | 1.046 GHz | 44.82 | -29.15 |
| 2 Average | 1.2 GHz | 31.54 | -22.43 |
| 1 Max Peak | 1.3772 GHz | 45.70 | -28.27 |
| 2 Average | 1.44 GHz | 30.71 | -23.27 |
| 1 Max Peak | 1.6748 GHz | 43.12 | -30.85 |
| 1 Max Peak | 1.8852 GHz | 46.96 | -27.01 |
| 2 Average | 1.9976 GHz | 32.39 | -21.58 |
| 1 Max Peak | 2.3712 GHz | 48.71 | -25.26 |
| 2 Average | 2.3784 GHz | 35.58 | -18.39 |
| 1 Max Peak | 3.0248 GHz | 54.72 | -19.26 |
| 2 Average | 3.2904 GHz | 41.64 | -12.33 |
| 1 Max Peak | 3.5596 GHz | 58.87 | -15.10 |
| 2 Average | 3.5996 GHz | 46.62 | -7.35 |

Panozzo 18044402 Vert In Funzione tx Ch 42

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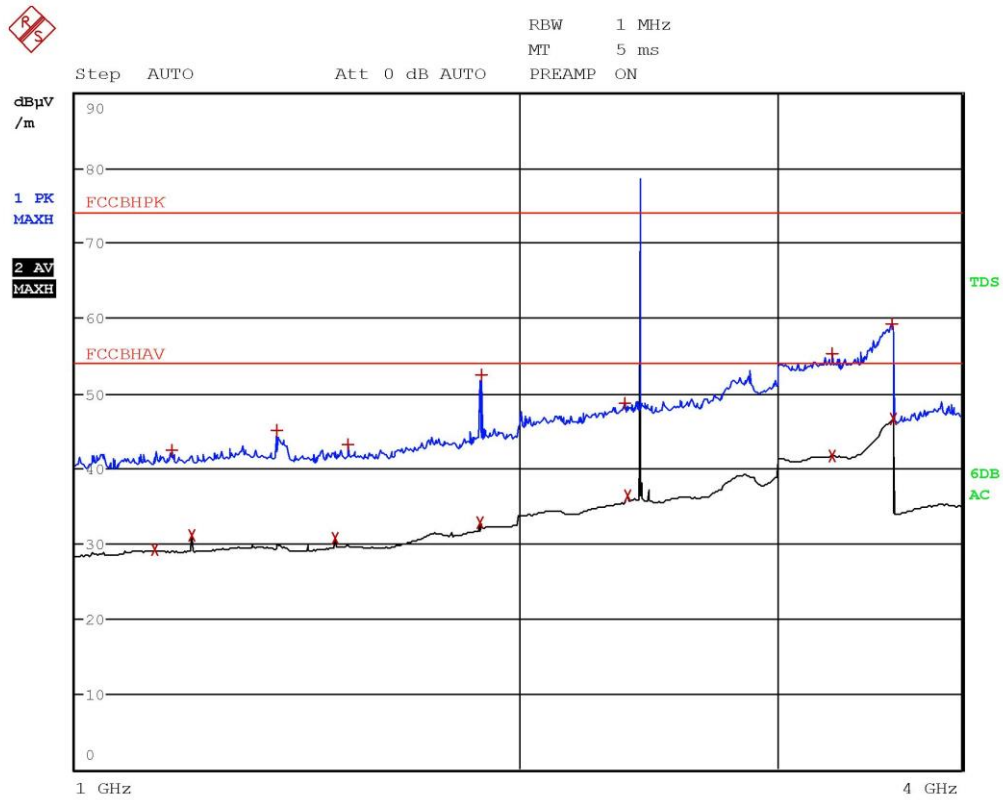
Panozzo 18044403 Horiz In Funzione tx Ch 61

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| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 2 Average | 1.14 GHz | 29.27 | -24.70 |
| 1 Max Peak | 1.1664 GHz | 41.93 | -32.04 |
| 2 Average | 1.2 GHz | 30.20 | -23.77 |
| 1 Max Peak | 1.236 GHz | 42.76 | -31.21 |
| 1 Max Peak | 1.66 GHz | 43.30 | -30.67 |
| 2 Average | 1.68 GHz | 30.25 | -23.72 |
| 1 Max Peak | 1.8848 GHz | 51.59 | -22.38 |
| 2 Average | 1.8852 GHz | 32.81 | -21.16 |
| 1 Max Peak | 2.2864 GHz | 48.48 | -25.49 |
| 2 Average | 2.3756 GHz | 35.65 | -18.33 |
| 1 Max Peak | 3.1976 GHz | 54.89 | -19.09 |
| 2 Average | 3.2976 GHz | 41.62 | -12.35 |
| 1 Max Peak | 3.5916 GHz | 59.26 | -14.71 |
| 2 Average | 3.598 GHz | 46.68 | -7.29 |

Panozzo 18044403 Horiz In Funzione tx Ch 61



Panozzo 18044404 Vert In Funzione tx Ch 61

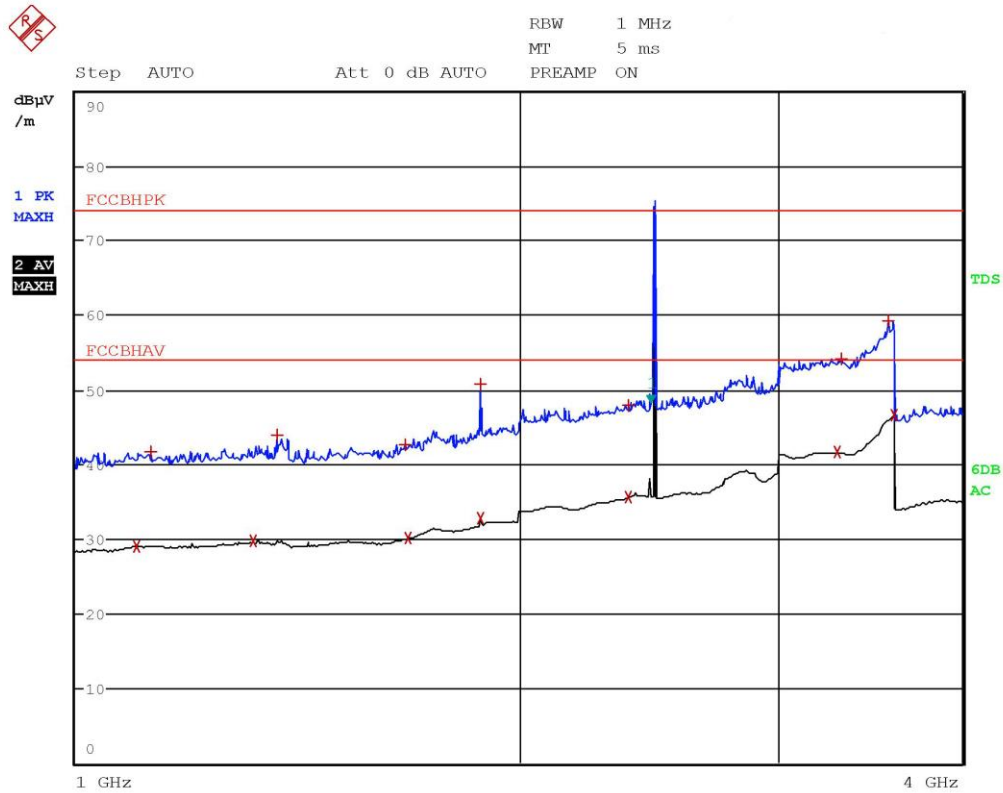
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|-------------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL d μ V/m | DELTA LIMIT dB |
| 2 Average | 1.1312 GHz | 29.16 | -24.81 |
| 1 Max Peak | 1.1616 GHz | 42.40 | -31.57 |
| 2 Average | 1.2 GHz | 31.18 | -22.79 |
| 1 Max Peak | 1.3712 GHz | 45.04 | -28.93 |
| 2 Average | 1.5 GHz | 30.78 | -23.19 |
| 1 Max Peak | 1.5328 GHz | 43.16 | -30.81 |
| 2 Average | 1.8852 GHz | 32.76 | -21.21 |
| 1 Max Peak | 1.8856 GHz | 52.40 | -21.57 |
| 1 Max Peak | 2.3604 GHz | 48.65 | -25.32 |
| 2 Average | 2.3708 GHz | 36.39 | -17.58 |
| 1 Max Peak | 3.2652 GHz | 55.35 | -18.62 |
| 2 Average | 3.266 GHz | 41.66 | -12.31 |
| 1 Max Peak | 3.5896 GHz | 59.33 | -14.64 |
| 2 Average | 3.5972 GHz | 46.65 | -7.32 |

Panozzo 18044404 Vert In Funzione tx Ch 61

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Panozzo 18044405 Vert In Funzione tx Ch 81

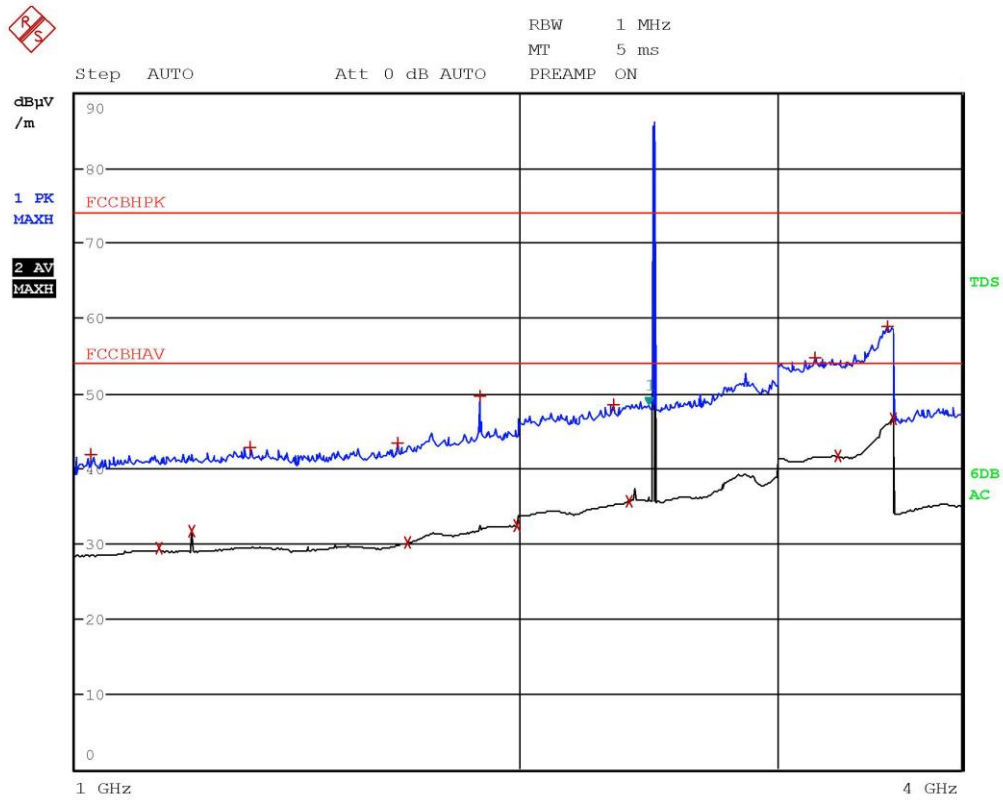
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|-------------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL d μ V/m | DELTA LIMIT dB |
| 2 Average | 1.0996 GHz | 29.09 | -24.88 |
| 1 Max Peak | 1.1252 GHz | 41.63 | -32.34 |
| 2 Average | 1.32 GHz | 29.86 | -24.11 |
| 1 Max Peak | 1.3696 GHz | 43.89 | -30.08 |
| 1 Max Peak | 1.6728 GHz | 42.58 | -31.39 |
| 2 Average | 1.6812 GHz | 30.08 | -23.89 |
| 1 Max Peak | 1.8852 GHz | 50.76 | -23.21 |
| 2 Average | 1.8852 GHz | 32.78 | -21.19 |
| 2 Average | 2.3704 GHz | 35.62 | -18.36 |
| 1 Max Peak | 2.3728 GHz | 47.96 | -26.01 |
| 2 Average | 3.2864 GHz | 41.60 | -12.38 |
| 1 Max Peak | 3.3112 GHz | 54.21 | -19.76 |
| 1 Max Peak | 3.5624 GHz | 59.27 | -14.70 |
| 2 Average | 3.5996 GHz | 46.61 | -7.36 |

Panozzo 18044405 Vert In Funzione tx Ch 81

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Panozzo 18044406 Horiz. In Funzione tx Ch 81

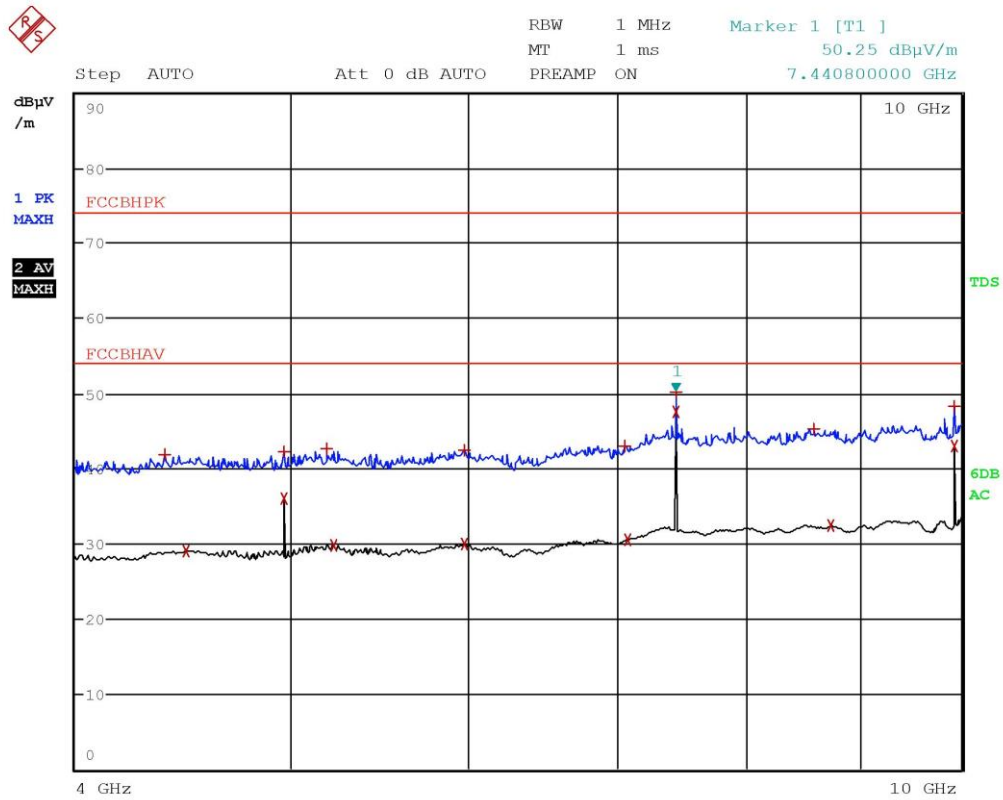
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 1 Max Peak | 1.024 GHz | 41.88 | -32.09 |
| 2 Average | 1.14 GHz | 29.32 | -24.65 |
| 2 Average | 1.2 GHz | 31.61 | -22.36 |
| 1 Max Peak | 1.314 GHz | 42.83 | -31.14 |
| 1 Max Peak | 1.6572 GHz | 43.38 | -30.59 |
| 2 Average | 1.68 GHz | 30.08 | -23.89 |
| 1 Max Peak | 1.8852 GHz | 49.64 | -24.33 |
| 2 Average | 1.9972 GHz | 32.41 | -21.56 |
| 1 Max Peak | 2.3184 GHz | 48.52 | -25.45 |
| 2 Average | 2.3776 GHz | 35.66 | -18.31 |
| 1 Max Peak | 3.1804 GHz | 54.69 | -19.28 |
| 2 Average | 3.2952 GHz | 41.64 | -12.33 |
| 1 Max Peak | 3.5604 GHz | 58.95 | -15.02 |
| 2 Average | 3.6 GHz | 46.64 | -7.33 |

Panozzo 18044406 Horiz. In Funzione tx Ch 81

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Panozzo 18044407 Horiz. In Funzione tx Ch 81

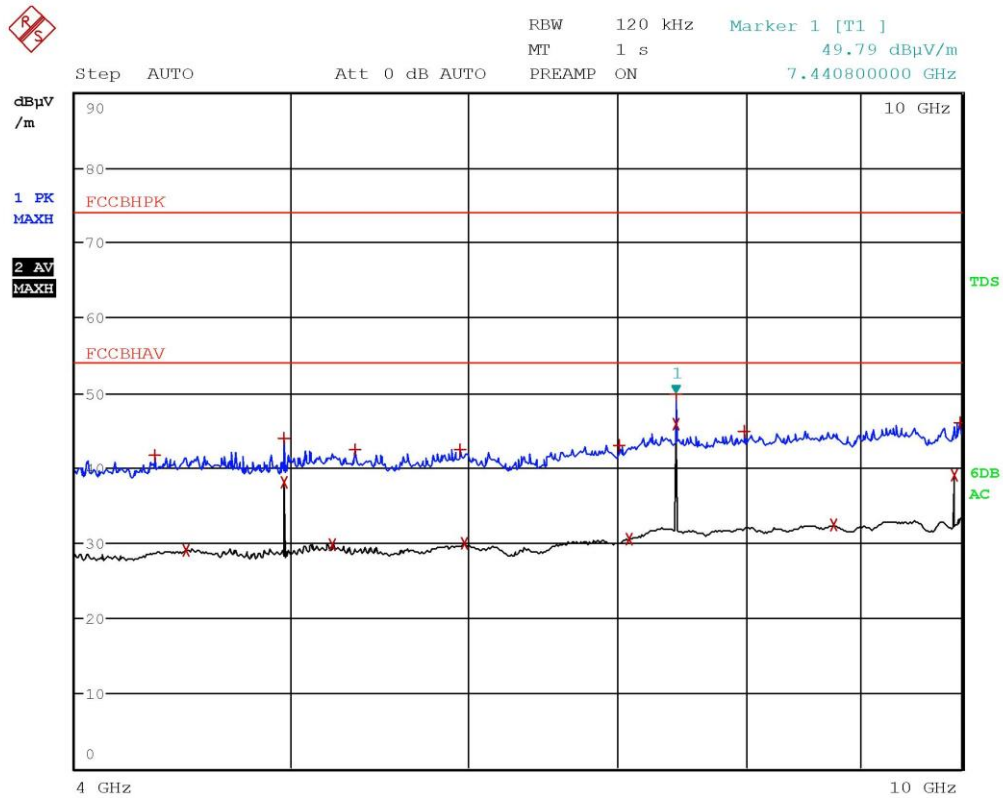
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|-------------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL d μ V/m | DELTA LIMIT dB |
| 1 Max Peak | 4.3856 GHz | 41.91 | -32.06 |
| 2 Average | 4.4852 GHz | 29.08 | -24.89 |
| 1 Max Peak | 4.9600 GHz | 42.32 | -31.66 |
| 2 Average | 4.9600 GHz | 36.00 | -17.97 |
| 1 Max Peak | 5.1896 GHz | 42.55 | -31.43 |
| 2 Average | 5.2232 GHz | 29.83 | -24.14 |
| 1 Max Peak | 5.98 GHz | 42.46 | -31.51 |
| 2 Average | 5.9836 GHz | 30.05 | -23.92 |
| 1 Max Peak | 7.0572 GHz | 42.97 | -31.00 |
| 2 Average | 7.0764 GHz | 30.54 | -23.43 |
| 1 Max Peak | 7.4400 GHz | 50.24 | -23.73 |
| 2 Average | 7.4400 GHz | 47.47 | -6.50 |
| 1 Max Peak | 8.5772 GHz | 45.30 | -28.67 |
| 2 Average | 8.7408 GHz | 32.43 | -21.54 |
| 1 Max Peak | 9.9200 GHz | 48.26 | -25.71 |
| 2 Average | 9.9200 GHz | 43.06 | -10.92 |

Panozzo 18044407 Horiz. In Funzione tx Ch 81

CMC Centro Misure Compatibilità S.r.l.



Panozzo 18044408 Vert. In Funzione tx Ch 81

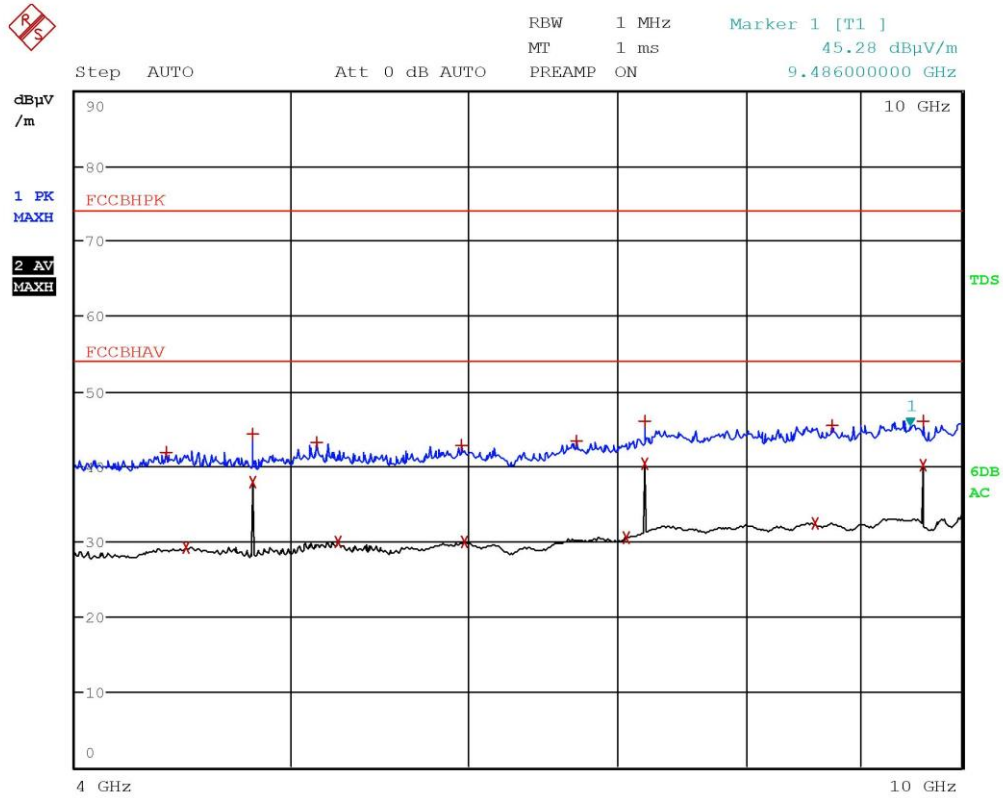
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 1 Max Peak | 4.3448 GHz | 41.63 | -32.34 |
| 2 Average | 4.4848 GHz | 29.07 | -24.90 |
| 1 Max Peak | 4.9600 GHz | 43.93 | -30.04 |
| 2 Average | 4.9600 GHz | 38.15 | -15.82 |
| 2 Average | 5.2212 GHz | 29.78 | -24.19 |
| 1 Max Peak | 5.3396 GHz | 42.46 | -31.51 |
| 1 Max Peak | 5.9564 GHz | 42.46 | -31.51 |
| 2 Average | 5.9852 GHz | 30.02 | -23.95 |
| 1 Max Peak | 7.0184 GHz | 43.07 | -30.90 |
| 2 Average | 7.09 GHz | 30.55 | -23.42 |
| 1 Max Peak | 7.4400 GHz | 49.79 | -24.18 |
| 2 Average | 7.4400 GHz | 45.91 | -8.07 |
| 1 Max Peak | 7.984 GHz | 44.96 | -29.01 |
| 2 Average | 8.7664 GHz | 32.35 | -21.62 |
| 2 Average | 9.9200 GHz | 38.96 | -15.01 |
| 1 Max Peak | 9.984 GHz | 45.99 | -27.98 |

Panozzo 18044408 Vert. In Funzione tx Ch 81

CMC Centro Misure Compatibilità S.r.l.



Panozzo 18044411 Horiz. In Funzione tx Ch 42

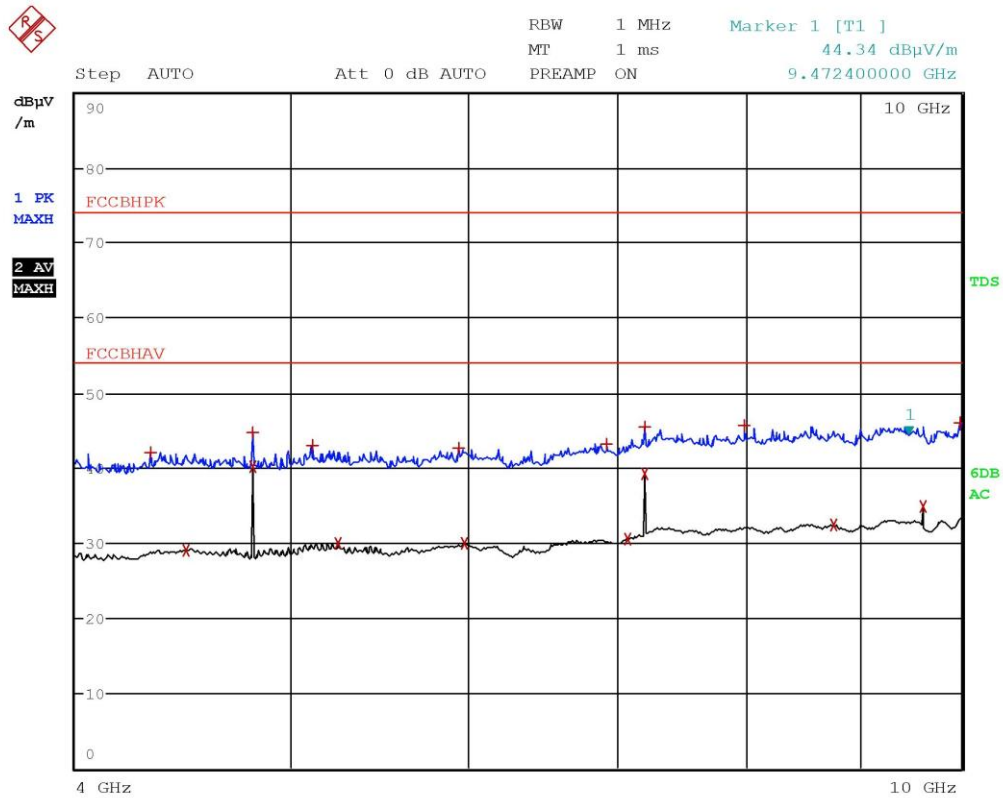
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 1 Max Peak | 4.3936 GHz | 41.84 | -32.13 |
| 2 Average | 4.4848 GHz | 29.21 | -24.76 |
| 1 Max Peak | 4.8044 GHz | 44.28 | -29.69 |
| 2 Average | 4.8044 GHz | 37.92 | -16.05 |
| 1 Max Peak | 5.136 GHz | 43.19 | -30.78 |
| 2 Average | 5.25 GHz | 29.91 | -24.06 |
| 1 Max Peak | 5.9628 GHz | 42.79 | -31.18 |
| 2 Average | 5.9836 GHz | 30.05 | -23.92 |
| 1 Max Peak | 6.7188 GHz | 43.48 | -30.50 |
| 2 Average | 7.0716 GHz | 30.54 | -23.43 |
| 1 Max Peak | 7.2066 GHz | 45.98 | -27.99 |
| 2 Average | 7.2066 GHz | 40.37 | -13.61 |
| 2 Average | 8.5924 GHz | 32.41 | -21.56 |
| 1 Max Peak | 8.7504 GHz | 45.48 | -28.49 |
| 1 Max Peak | 9.6080 GHz | 46.02 | -27.95 |
| 2 Average | 9.6080 GHz | 40.23 | -13.74 |

Panozzo 18044411 Horiz. In Funzione tx Ch 42

CMC Centro Misure Compatibilità S.r.l.



Panozzo 18044412 Vert . In Funzione tx Ch 42

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 1 Max Peak | 4.3212 GHz | 42.13 | -31.84 |
| 2 Average | 4.4836 GHz | 29.08 | -24.89 |
| 1 Max Peak | 4.8044 GHz | 44.67 | -29.30 |
| 2 Average | 4.8044 GHz | 40.23 | -13.75 |
| 1 Max Peak | 5.108 GHz | 42.96 | -31.01 |
| 2 Average | 5.2496 GHz | 29.89 | -24.08 |
| 1 Max Peak | 5.9472 GHz | 42.61 | -31.36 |
| 2 Average | 5.978 GHz | 30.02 | -23.95 |
| 1 Max Peak | 6.9276 GHz | 43.28 | -30.69 |
| 2 Average | 7.0788 GHz | 30.56 | -23.41 |
| 1 Max Peak | 7.2066 GHz | 45.50 | -28.47 |
| 2 Average | 7.2066 GHz | 39.24 | -14.73 |
| 1 Max Peak | 7.992 GHz | 45.56 | -28.41 |
| 2 Average | 8.7644 GHz | 32.51 | -21.46 |
| 2 Average | 9.6080 GHz | 34.85 | -19.12 |
| 1 Max Peak | 9.988 GHz | 45.95 | -28.03 |

Panozzo 18044412 Vert . In Funzione tx Ch 42

CMC Centro Misure Compatibilità S.r.l.



Panozzo 18044413 Vert . In Funzione tx Worst Case

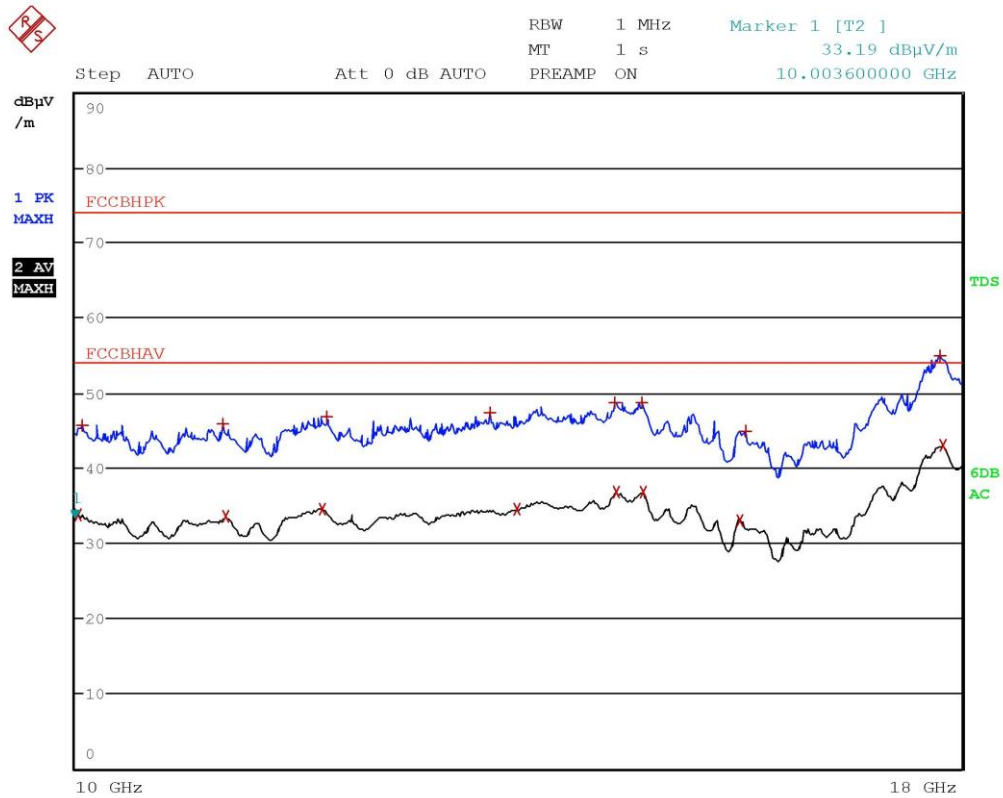
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|-------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 2 Average | 10.0248 GHz | 33.66 | -20.31 |
| 1 Max Peak | 10.0876 GHz | 45.55 | -28.42 |
| 1 Max Peak | 11.5384 GHz | 46.10 | -27.87 |
| 2 Average | 11.5588 GHz | 33.36 | -20.61 |
| 1 Max Peak | 12.272 GHz | 48.18 | -25.79 |
| 2 Average | 12.2724 GHz | 40.30 | -13.67 |
| 1 Max Peak | 13.254 GHz | 46.62 | -27.35 |
| 2 Average | 13.3568 GHz | 34.36 | -19.61 |
| 1 Max Peak | 14.2872 GHz | 48.97 | -25.00 |
| 2 Average | 14.318 GHz | 36.58 | -17.39 |
| 2 Average | 14.5648 GHz | 36.49 | -17.48 |
| 1 Max Peak | 14.568 GHz | 48.31 | -25.66 |
| 2 Average | 15.5404 GHz | 33.06 | -20.91 |
| 1 Max Peak | 15.5508 GHz | 45.45 | -28.53 |
| 1 Max Peak | 17.7804 GHz | 55.34 | -18.63 |
| 2 Average | 17.788 GHz | 43.09 | -10.89 |

Panozzo 18044413 Vert . In Funzione tx Worst Case

CMC Centro Misure Compatibilità S.r.l.



Panozzo 18044414 Horiz. In Funzione tx Worst Case

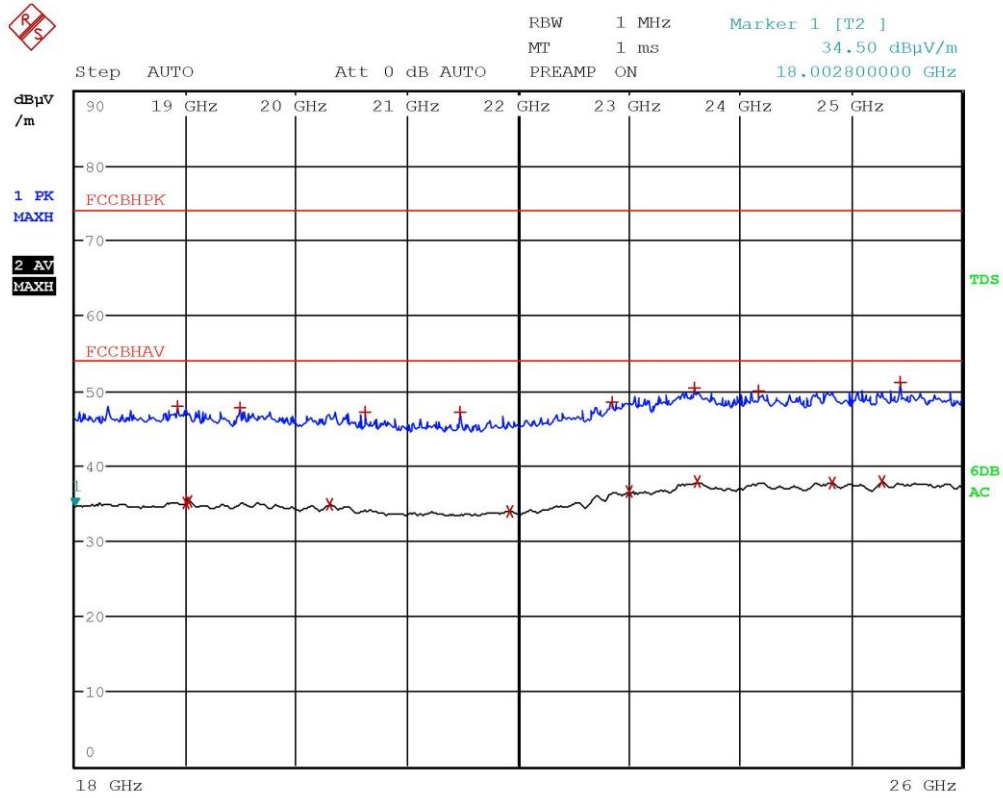
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|-------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 2 Average | 10.018 GHz | 33.70 | -20.27 |
| 1 Max Peak | 10.0468 GHz | 45.73 | -28.24 |
| 1 Max Peak | 11.0312 GHz | 45.83 | -28.14 |
| 2 Average | 11.046 GHz | 33.48 | -20.49 |
| 2 Average | 11.7796 GHz | 34.51 | -19.46 |
| 1 Max Peak | 11.8148 GHz | 46.74 | -27.23 |
| 1 Max Peak | 13.1604 GHz | 47.28 | -26.69 |
| 2 Average | 13.4044 GHz | 34.44 | -19.53 |
| 1 Max Peak | 14.3096 GHz | 48.71 | -25.27 |
| 2 Average | 14.3152 GHz | 36.76 | -17.21 |
| 1 Max Peak | 14.5616 GHz | 48.67 | -25.30 |
| 2 Average | 14.576 GHz | 36.75 | -17.22 |
| 2 Average | 15.5404 GHz | 33.04 | -20.94 |
| 1 Max Peak | 15.604 GHz | 44.84 | -29.13 |
| 1 Max Peak | 17.7516 GHz | 54.98 | -18.99 |
| 2 Average | 17.7808 GHz | 43.03 | -10.94 |

Panozzo 18044414 Horiz. In Funzione tx Worst Case

CMC Centro Misure Compatibilità S.r.l.



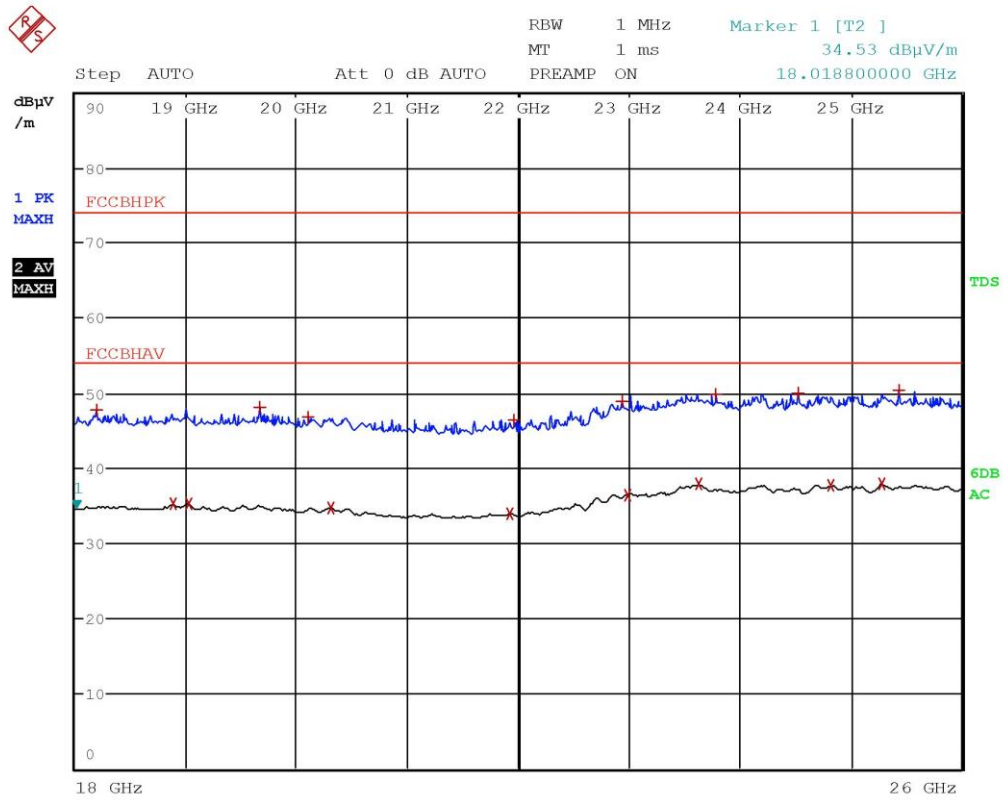
Panozzo 18044415 Horiz. In Funzione tx Worst Case

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|-------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 1 Max Peak | 18.9184 GHz | 47.88 | -26.10 |
| 2 Average | 18.9976 GHz | 35.10 | -18.87 |
| 2 Average | 19.0196 GHz | 35.20 | -18.77 |
| 1 Max Peak | 19.4928 GHz | 47.70 | -26.27 |
| 2 Average | 20.2936 GHz | 34.83 | -19.15 |
| 1 Max Peak | 20.616 GHz | 47.13 | -26.84 |
| 1 Max Peak | 21.4696 GHz | 47.12 | -26.85 |
| 2 Average | 21.9168 GHz | 34.02 | -19.95 |
| 1 Max Peak | 22.8484 GHz | 48.48 | -25.50 |
| 2 Average | 22.9948 GHz | 36.62 | -17.35 |
| 1 Max Peak | 23.5884 GHz | 50.31 | -23.67 |
| 2 Average | 23.6176 GHz | 37.82 | -16.15 |
| 1 Max Peak | 24.1612 GHz | 50.05 | -23.92 |
| 2 Average | 24.8288 GHz | 37.81 | -16.16 |
| 2 Average | 25.2868 GHz | 37.85 | -16.12 |
| 1 Max Peak | 25.4504 GHz | 51.22 | -22.75 |

Panozzo 18044415 Horiz. In Funzione tx Worst Case



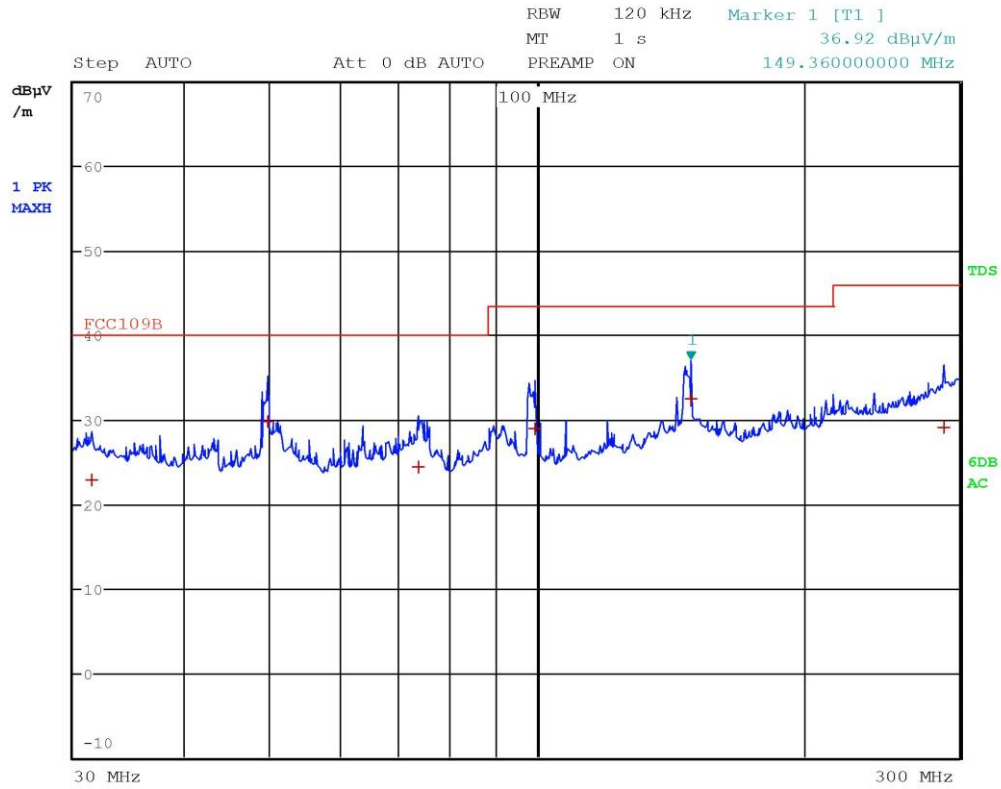
Panozzo 18044416 Vert. In Funzione tx Worst Case



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|-------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 1 Max Peak | 18.1924 GHz | 47.75 | -26.22 |
| 2 Average | 18.8784 GHz | 35.30 | -18.67 |
| 2 Average | 19.0224 GHz | 35.25 | -18.72 |
| 1 Max Peak | 19.6664 GHz | 48.12 | -25.85 |
| 1 Max Peak | 20.1024 GHz | 46.75 | -27.22 |
| 2 Average | 20.3092 GHz | 34.69 | -19.28 |
| 2 Average | 21.9232 GHz | 33.99 | -19.98 |
| 1 Max Peak | 21.9588 GHz | 46.45 | -27.52 |
| 1 Max Peak | 22.9364 GHz | 48.93 | -25.05 |
| 2 Average | 22.9968 GHz | 36.48 | -17.49 |
| 2 Average | 23.6304 GHz | 37.85 | -16.13 |
| 1 Max Peak | 23.7764 GHz | 49.88 | -24.09 |
| 1 Max Peak | 24.5316 GHz | 50.01 | -23.96 |
| 2 Average | 24.8248 GHz | 37.78 | -16.19 |
| 2 Average | 25.2868 GHz | 37.99 | -15.98 |
| 1 Max Peak | 25.4348 GHz | 50.31 | -23.66 |

Panozzo 18044416 Vert. In Funzione tx Worst Case

CMC Centro Misure Compatibilità S.r.l.



Panozzo 18044417 Vert. In Funzione tx Worst Case

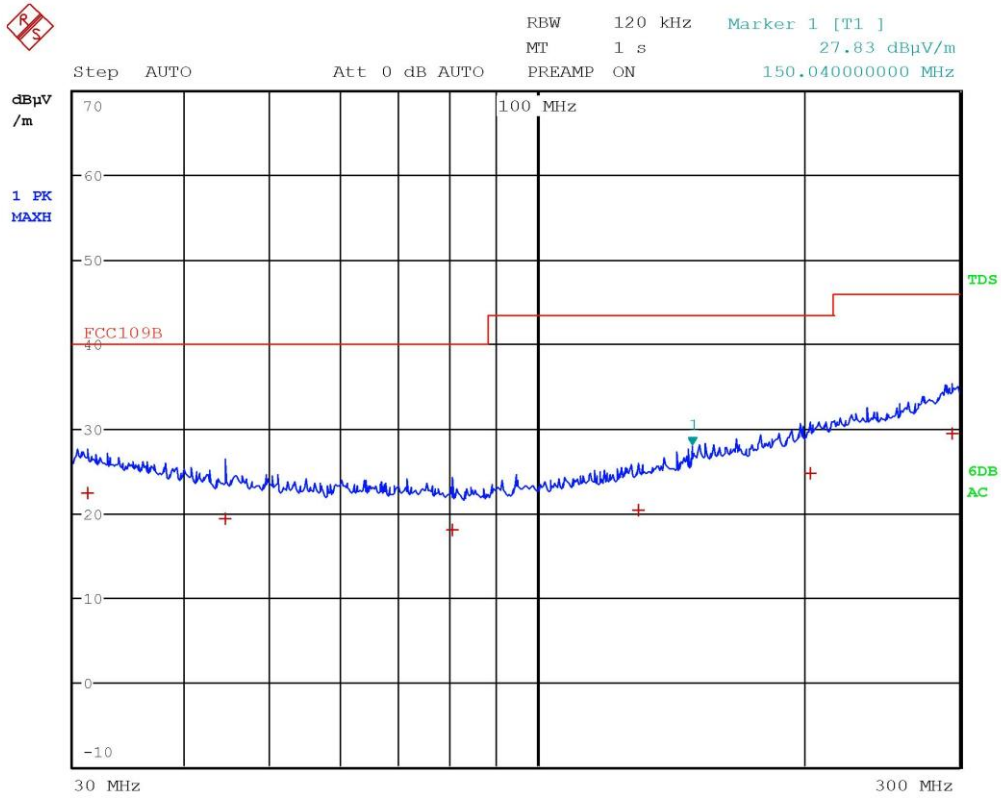
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------------|----------------|
| Trace1: | FCC109B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dB μ V/m | DELTA LIMIT dB |
| 1 Quasi Peak | 31.4 MHz | 22.92 | -17.07 |
| 1 Quasi Peak | 49.72 MHz | 29.72 | -10.27 |
| 1 Quasi Peak | 73.48 MHz | 24.41 | -15.58 |
| 1 Quasi Peak | 99.52 MHz | 28.94 | -14.57 |
| 1 Quasi Peak | 149.36 MHz | 32.51 | -11.00 |
| 1 Quasi Peak | 288.4 MHz | 29.10 | -16.91 |

Panozzo 18044417 Vert. In Funzione tx Worst Case

CMC Centro Misure Compatibilità S.r.l.



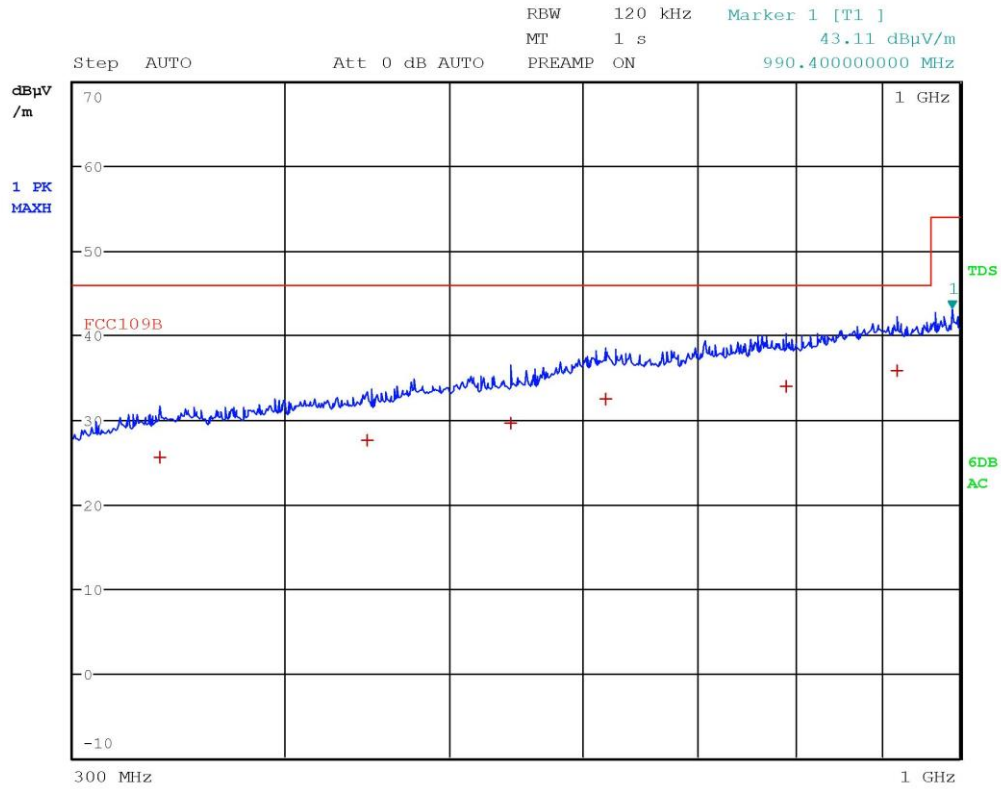
Panozzo 18044418 Horiz. In Funzione tx Worst Case

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC109B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 31.08 MHz | 22.43 | -17.56 |
| 1 Quasi Peak | 44.48 MHz | 19.35 | -20.64 |
| 1 Quasi Peak | 80.28 MHz | 17.97 | -22.02 |
| 1 Quasi Peak | 130.24 MHz | 20.27 | -23.24 |
| 1 Quasi Peak | 203.52 MHz | 24.73 | -18.78 |
| 1 Quasi Peak | 294.2 MHz | 29.33 | -16.68 |

Panozzo 18044418 Horiz. In Funzione tx Worst Case



Panozzo 18044419 Horiz. In Funzione tx Worst Case

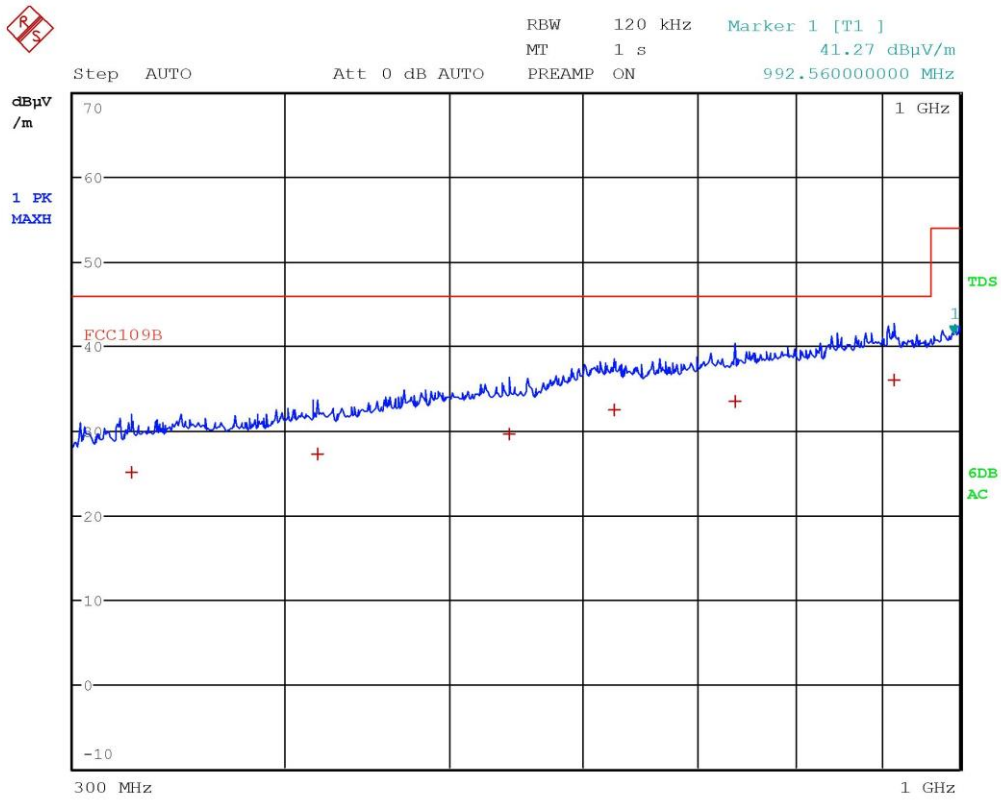
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC109B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 337.6 MHz | 25.53 | -20.49 |
| 1 Quasi Peak | 447.52 MHz | 27.61 | -18.40 |
| 1 Quasi Peak | 543.28 MHz | 29.58 | -16.43 |
| 1 Quasi Peak | 618.16 MHz | 32.39 | -13.62 |
| 1 Quasi Peak | 789.68 MHz | 33.89 | -12.12 |
| 1 Quasi Peak | 918.76 MHz | 35.87 | -10.14 |

Panozzo 18044419 Horiz. In Funzione tx Worst Case

CMC Centro Misure Compatibilità S.r.l.



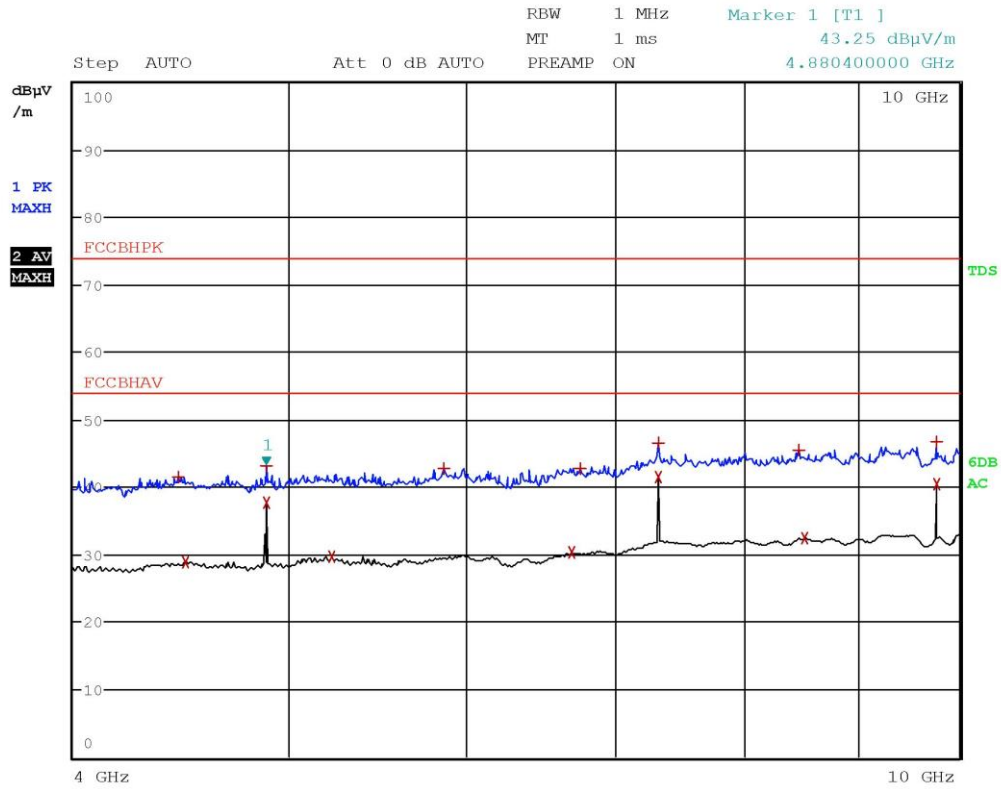
Panozzo 18044420 Vert. In Funzione tx Worst Case

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Final Measurement Results) | | | |
|--|------------|--------------|----------------|
| Trace1: | FCC109B | | |
| Trace2: | --- | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 1 Quasi Peak | 324.76 MHz | 25.01 | -21.00 |
| 1 Quasi Peak | 418.12 MHz | 27.21 | -18.80 |
| 1 Quasi Peak | 542.48 MHz | 29.65 | -16.36 |
| 1 Quasi Peak | 625.08 MHz | 32.48 | -13.53 |
| 1 Quasi Peak | 737 MHz | 33.37 | -12.65 |
| 1 Quasi Peak | 915.72 MHz | 35.89 | -10.12 |

Panozzo 18044420 Vert. In Funzione tx Worst Case



Panozzo 18044422 Vert. In funzione Tx Ch61

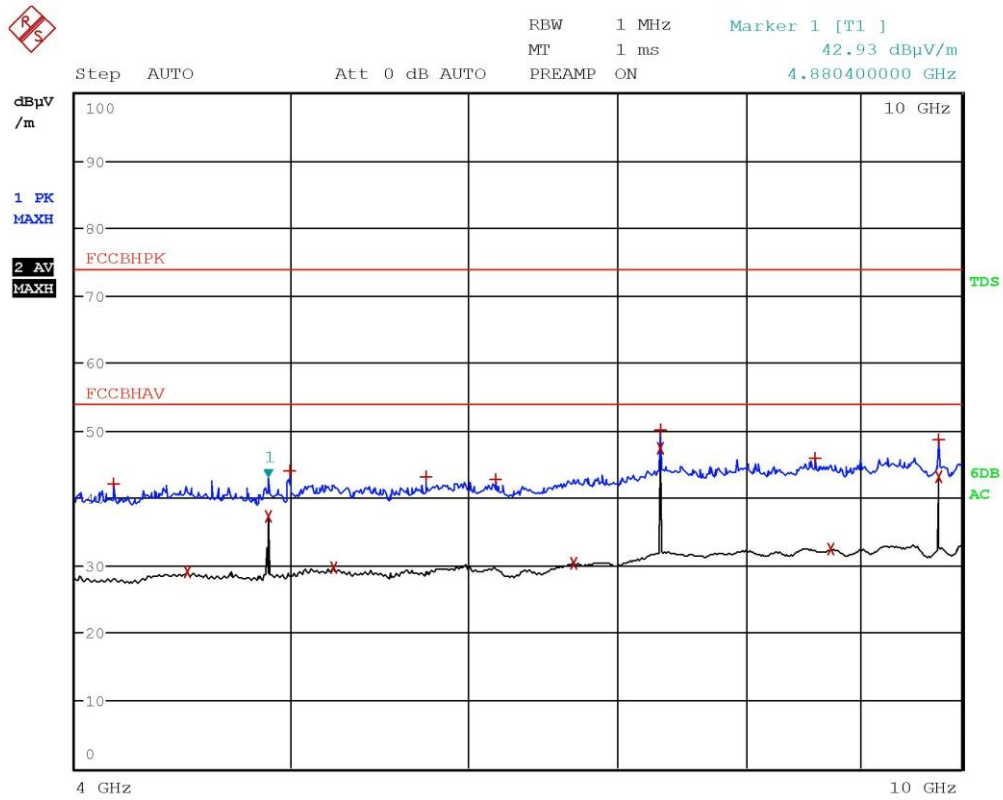
CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBμV/m | DELTA LIMIT dB |
| 1 Max Peak | 4.4592 GHz | 41.54 | -32.43 |
| 2 Average | 4.4884 GHz | 28.92 | -25.05 |
| 1 Max Peak | 4.8804 GHz | 43.24 | -30.73 |
| 2 Average | 4.8804 GHz | 37.73 | -16.24 |
| 2 Average | 5.2228 GHz | 29.70 | -24.27 |
| 1 Max Peak | 5.8644 GHz | 42.69 | -31.28 |
| 2 Average | 6.6964 GHz | 30.29 | -23.68 |
| 1 Max Peak | 6.7516 GHz | 42.81 | -31.16 |
| 1 Max Peak | 7.3208 GHz | 46.48 | -27.49 |
| 2 Average | 7.3208 GHz | 41.55 | -12.42 |
| 1 Max Peak | 8.4712 GHz | 45.52 | -28.45 |
| 2 Average | 8.5248 GHz | 32.45 | -21.52 |
| 1 Max Peak | 9.7608 GHz | 46.65 | -27.32 |
| 2 Average | 9.7608 GHz | 40.46 | -13.51 |

Panozzo 18044422 Vert. In funzione Tx Ch61

CMC Centro Misure Compatibilità S.r.l.



Panozzo 18044423 Horiz. In funzione Tx Ch61

CMC Centro Misure Compatibilità S.r.l.



| EDIT PEAK LIST (Prescan Results) | | | |
|----------------------------------|------------|--------------|----------------|
| Trace1: | FCCBHPK | | |
| Trace2: | FCCBHAV | | |
| Trace3: | --- | | |
| TRACE | FREQUENCY | LEVEL dBµV/m | DELTA LIMIT dB |
| 1 Max Peak | 4.1592 GHz | 42.07 | -31.90 |
| 2 Average | 4.4904 GHz | 28.99 | -24.98 |
| 2 Average | 4.8804 GHz | 37.24 | -16.73 |
| 1 Max Peak | 4.9928 GHz | 44.09 | -29.88 |
| 2 Average | 5.2248 GHz | 29.62 | -24.35 |
| 1 Max Peak | 5.7512 GHz | 43.13 | -30.84 |
| 1 Max Peak | 6.1764 GHz | 42.84 | -31.13 |
| 2 Average | 6.6944 GHz | 30.28 | -23.69 |
| 1 Max Peak | 7.3208 GHz | 50.11 | -23.86 |
| 2 Average | 7.3208 GHz | 47.35 | -6.62 |
| 1 Max Peak | 8.6012 GHz | 45.87 | -28.10 |
| 2 Average | 8.7356 GHz | 32.48 | -21.49 |
| 1 Max Peak | 9.7608 GHz | 48.69 | -25.28 |
| 2 Average | 9.7608 GHz | 43.08 | -10.89 |

Panozzo 18044423 Horiz. In funzione Tx Ch61

Result: The requirements are met

CMC Centro Misure Compatibilità S.r.l.



10.2 Spurious Emission

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part. 15.209
- KDB 558074 D01 DTS Meas Guidance v04 cl. 11 and 12
- ANSI C63.10 cl. 6.6
- Internal procedure PM001
- See clause 4 of this test report
- Test date: June 19th, 2018
- Technician: C. Panozzo

EUT exercising

See clause 4 of this test report

Test specification

Port: Enclosure
Antenna polarization: Horizontal (H) – Vertical (V)
EUT height about the floor: 150 cm
EUT – Antenna distance: 3 m
Detector AV + Peak

Test configuration

Test site:
Semi-anechoic chamber

Auxiliary equipment:
See clause 4 of this test report

Test equipment used

CMC S164, CMC S241, CMC S251, CMC S290,
CMC S298
Measurement uncertainty: See clause 6 of this test report

Environmental conditions

| Temperature (°C) | Atmospheric pressure (kPa) | Relative humidity (%) |
|------------------|----------------------------|-----------------------|
| 22 | 100 | 45 |

Acceptance limits

| Acceptance limits for emissions in restricted frequency bands | | |
|---|----------------------|------------------------|
| Frequency (MHz) | AV limits [dB(μV/m)] | Peak limits [dB(μV/m)] |
| > 1000 | 54 | 74 |



The restricted frequency bands are listed in the following table

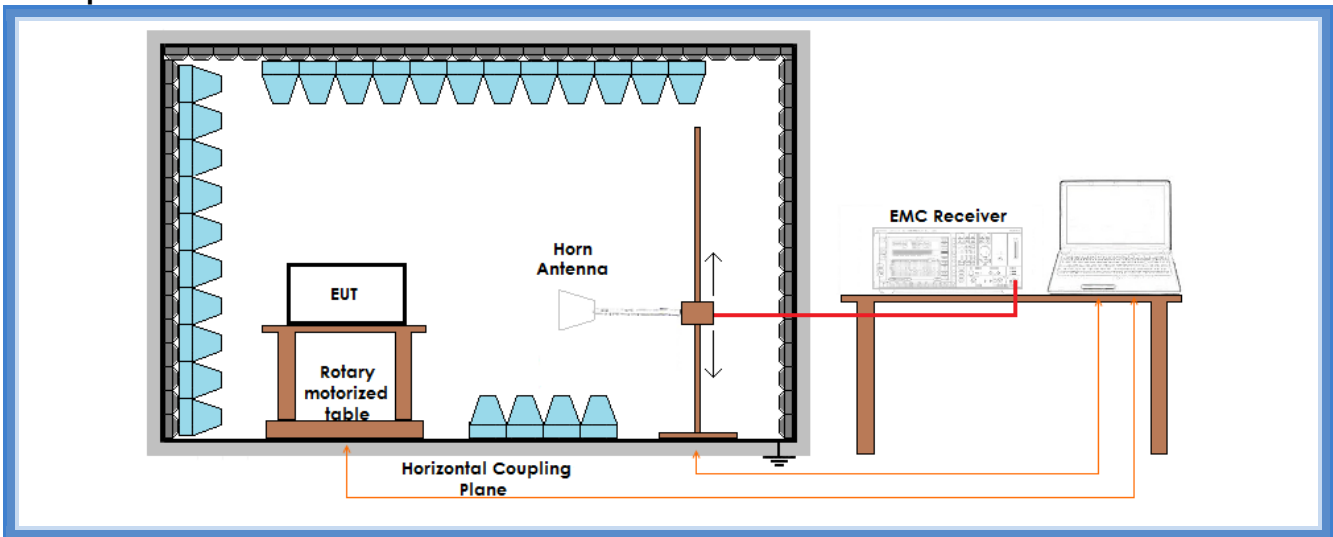
| MHz | MHz | MHz | GHz |
|---------------------|-----------------------|-----------------|--------------|
| 0,09 – 0,110 | 16,42 – 16,423 | 399,9 – 410 | 4,5 – 5,15 |
| 0,495 – 0,505 | 16,69475 – 16,69525 | 608 – 614 | 5,35 – 5,46 |
| 2,1735 – 2,1905 | 16,80425 – 16,80475 | 960 – 1240 | 7,25 – 7,75 |
| 4,125 – 4,128 | 25,5 – 25,67 | 1300 – 1427 | 8,025 – 8,5 |
| 4,17725 – 4,17775 | 37,5 – 38,25 | 1435 – 1626,5 | 9,0 – 9,2 |
| 4,20725 – 4,20775 | 73 – 74,6 | 1645,5 – 1646,5 | 9,3 – 9,5 |
| 6,215 – 6,218 | 74,8 – 75,2 | 1660 – 1710 | 10,6 – 12,7 |
| 6,26775 – 6,26825 | 108 – 121,94 | 1718,8 – 1722,2 | 13,25 – 13,4 |
| 6,31175 – 6,31225 | 123 – 138 | 2200 – 2300 | 14,47 – 14,5 |
| 8,291 – 8,294 | 149,9 – 150,05 | 2310 – 2390 | 15,35 – 16,2 |
| 8,362 – 8,366 | 156,52475 – 156,52525 | 2483,5 – 2500 | 17,7 – 21,4 |
| 8,41425 – 8,41475 | 162,0125 – 167,17 | 3260 – 3267 | 23,6 – 24 |
| 12,29 – 12,293 | 167,72 – 173,2 | 3332 – 3339 | 31,2 – 31,8 |
| 12,57675 – 12,57725 | 322 – 335,4 | 3600 – 4400 | Above 38,6 |
| 13,36 – 13,41 | | | |

Acceptance limits for emissions in non-restricted frequency bands

The DTS rules specify that in any 100 kHz bandwidth outside of the authorized frequency band, the power shall be attenuated according to the following conditions:

- a) If the maximum peak conducted output power procedure was used to demonstrate compliance as described in 9.1, then the peak output power measured in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz
- b) If maximum conducted (average) output power was used to demonstrate compliance as described in 9.2, then the peak power in any 100 kHz bandwidth outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum in-band peak PSD level in 100 kHz.
- c) In either case, attenuation to levels below the 15.209 general radiated emissions limits is not required

Setup



Result – AV detector

| Harmonic | Limits (dB μ V/m) | Level (dB μ V/m) | | | Results |
|----------|-----------------------|-----------------------------|-----------------------------|-----------------------------|----------|
| | | Lowest channel | Medium channel | Highest channel | |
| II | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| III | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| IV | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| V | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| VI | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| VII | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| VIII | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| IX | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| X | 54 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |

Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values. No spurious other than harmonics have been found. The results have been extrapolated to the specified distance using an extrapolation factor. For all harmonics it was considered the limit of 54 dB μ V/m as a worst case.



Result – Peak detector

| Harmonic | Limits (dB μ V/m) | Level (dB μ V/m) | | | Results |
|----------|--------------------------|--------------------------------|--------------------------------|--------------------------------|----------|
| | | Lowest channel | Medium channel | Highest channel | |
| II | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| III | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| IV | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| V | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| VI | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| VII | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| VIII | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| IX | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |
| X | 74 | More than 20 dB below limit | More than 20 dB below limit | More than 20 dB below limit | Complies |

Remarks: EUT was tested in 3 orthogonal planes. The results in this table show the highest values. No spurious other than harmonics have been found. The results have been extrapolated to the specified distance using an extrapolation factor. For all harmonics it was considered the limit of 74 dB μ V/m as a worst case.

Result: The requirements are met