



TEST REPORT nr. R16270901

Federal Communication Commission (FCC)

Test item

Description: THERMAL TRANSFER PRINTER
Trademark: CEMBRE
Model/Type: (Ezy Genius) EG1
FCC ID: 2ABSQ4190070

Test Specification

Standard: FCC Rules & Regulations, Title 47:2015
Part 15 paragraph(s): 107 and 109

Client's name: CEMBRE S.p.A.

Address: Via Serenissima, 9 – 25135 Brescia (BS) – ITALY

Manufacturer's name : Same as client

Address: --

Report

Tested by: C. Panozzo – Technician

C. Panozzo

Approved by: R. Beghetto – Laboratory Manager

R. Beghetto

Date of issue: 31.03.17

Contents: 34 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.



Index

1.	SUMMARY.....	3
2.	DESCRIPTION OF EQUIPMENT UNDER TEST (EUT).....	4
2.1	TEST SITE	4
3.	TESTING AND SAMPLING.....	4
4.	OPERATIVE CONDITIONS.....	4
5.	PHOTOGRAPH(S) OF EUT.....	5
5.1	PHOTOGRAPH(S) OF EUT	5
5.2	PHOTOGRAPH(S) OF SETUP	6
6.	EQUIPMENT LIST.....	7
7.	MEASUREMENT UNCERTAINTY.....	8
8.	REFERENCE DOCUMENTS.....	9
9.	DEVIATION FROM TEST SPECIFICATION.....	10
10.	TEST CASE VERDICTS.....	10
11.	RESULTS.....	11
11.1	CONTINUOUS DISTURBANCE VOLTAGE TEST (150 kHz – 30 MHz)	12
11.2	RADIATED DISTURBANCE TEST.....	26



1. Summary

Emission Test:

FCC Rules & Regulations, Title 47:2015
Part 15 paragraph(s): 107 and 109

Test specifications	Environmental Phenomena	Port	Tests sequence	Result
Part 15.107 Class B	Continuous disturbance voltage	Mains terminal	2	Complies
Part 15.109 Class B	Radiated disturbance	Enclosure	1	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.



2. Description of Equipment under test (EUT)

Power supply : 110 V ~ 60 Hz single-phase + earth
Power cable : Unshielded
Serial Number : --

2.1 Test Site

Company : CMC Centro Misure Compatibilità S.r.l.
Address : Via della Fisica, 20
36016 Thiene (VI) – ITALY
Test site facility's FCC registration number : 271947

3. Testing and sampling

Date of receipt of test item : 13.12.16
Testing start date : 20.02.17
Testing end date : 20.02.17
Samples tested nr. : 1
Sampling procedure. : Equipment used for testing was picked up by the manufacturer, at the end of the production process with random criterion
Internal identification : adhesive label with the product number P161526

4. Operative conditions

EUT exercising : Steady condition, continuous printing
Auxiliary equipment : None



CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



LAB N° 0168

5. Photograph(s) of EUT

5.1 Photograph(s) of EUT



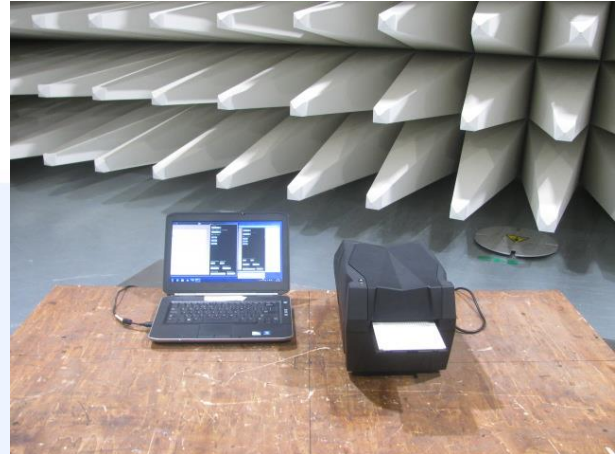


5.2 Photograph(s) of setup

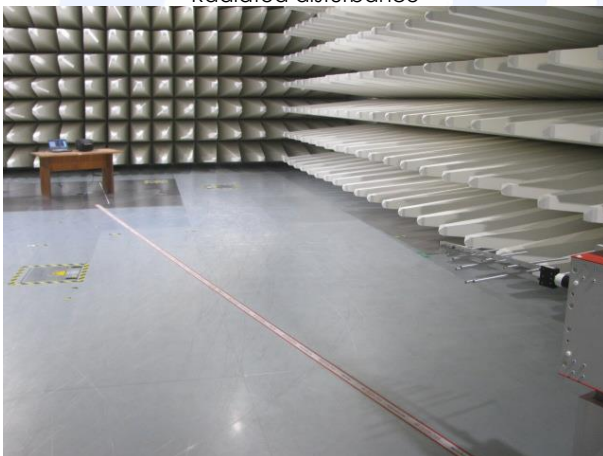
Continuous disturbance voltage



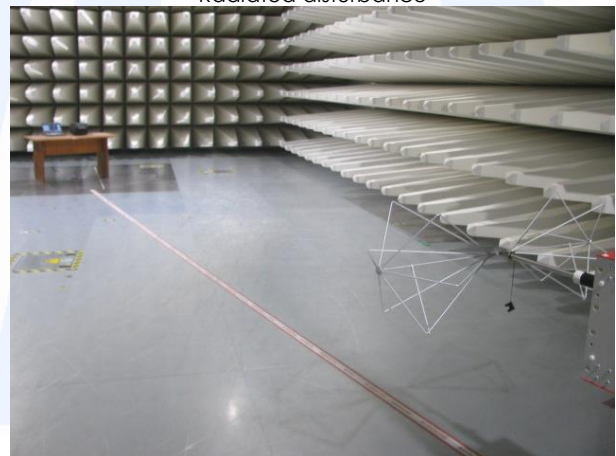
Radiated disturbance



Radiated disturbance



Radiated disturbance





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 '17	January '18
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '17	January '18
CMC S200	Schwarzbeck	NSLK 8128	V-LISN	8128-273	January '17	January '18
CMC S206	Rohde & Schwarz	ESCI 7	EMC Receiver 9KHz-7GHz	100781	January '17	January '18
CMC S260	CMC	Wfr_N	Shielded Cable	Wfr_ant10-1	November '16	November '17
CMC S261	CMC	Wfr_N	Shielded Cable	Wfr_ant20-1	November '16	November '17
CMC S262	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix32-1	November '16	November '17
CMC S263	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix31-1	November '16	November '17
CMC S264	CMC	Wfr_N	Shielded Cable	Wfr_ext03-1	November '16	November '17
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 S288	CMC	W_sma_white	Joint Shielded Cable	W_001	November '16	November '17



7. Measurement uncertainty

Test	Expanded Uncertainty	note
Conducted Emission		
(50Ω/50μH AMN) - (9 kHz – 150 kHz)	±3,6 dB	1
(50Ω/50μH AMN) - (150 kHz – 30 MHz)	±3,0 dB	1
(Voltage probe) - (150 kHz – 30 MHz)	±2,9 dB	1
(50Ω/5μH AMN) - (150 kHz – 108 MHz)	±2,6 dB	1
Discontinuous Conducted Emission		
Conducted Emission (50Ω/50μH AMN) - (150 kHz – 30 MHz)	±3,0 dB	1
Disturbance Power (30 MHz – 300 MHz)		
	±3,4 dB	1
Radiated Emission		
(0,150 MHz – 30 MHz)	±3,8 dB	1
(30 MHz – 1000 MHz)	±3,8 dB	1
(1 GHz – 6 GHz)	±4,3 dB	1
Electromagnetic field EMF		
	±10,5 %	1
Harmonic current emissions test		
	±1,2 %	1
Voltage fluctuation and flicker test		
	±3,8 %	1
Insertion loss test		
	±2,0 dB	1
Radiated electromagnetic disturbance test (loop antenna)		
	±1,5 dB	1
Radiated electromagnetic field immunity test		
	0,81 V/m at 3V/m	1
Pulse modulated radiated electromagnetic field immunity test		
	0,81 V/m at 3V/m	1
Injected currents immunity test		
	0,45 V at 3V	1
Bulk current		
	3,7 mA at 60 mA	1
Power frequency magnetic field immunity test		
	0,23 A/m at 10 A/m	1
Effective radiated power (F < 1GHz)		
	±3,8 dB	1
Effective radiated power (F > 1GHz)		
	±5,5 dB	1
Frequency error		
	< 1x10 ⁻⁷	1
Timing zero span (1001pts.)		
	0,2% SWT	1
Modulation bandwidth		
	< 1x10 ⁻⁷	1
Conducted RF power and spurious emission		
	±0,7 dB	1
Adjacent channel power		
	±1,2 dB	1
Blocking		
	±1,2 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

Rev_16_01 date 09/02/2016

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 15:2015	--
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
Internal Procedure PM001 rev. 3.0 (Quality Manual)	Measure procedure
Internal procedure INC_M rev. 9.0 (Quality Manual)	Measurement uncertainty calculation



9. Deviation from test specification

None

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.

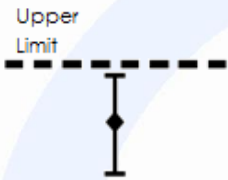
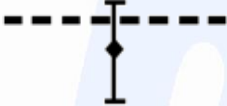
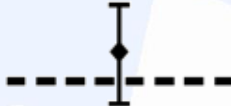
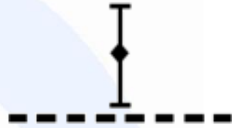


11. Results

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
			
The sample complies with the requirement.	The sample complies with the requirement.	The sample does not comply with the requirement.	The sample does not comply with the requirement.
The measurement results is within the specification limit when the measurement uncertainty is taken into account.	It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty although the measurement result is below the limit.	It is not possible to state compliance using a 95% coverage probability for the expanded uncertainty also the measurement result is upper the limit.	The measurement results is outside the specification limit when the measurement uncertainty is taken into account.

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



11.1 Continuous disturbance voltage test (150 kHz – 30 MHz)

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part. 15.107
- Internal procedure PM001
- See clause 4 of this test report

Test configuration and test method

Test site:
Shielded chamber

Auxiliary equipment:
See clause 4 of this test report

EUT exercising

See clause 4 of this test report

Test equipment used

CMC S010, CMC S200, CMC S206
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Mains terminal
Frequency range: 150 kHz – 30 MHz

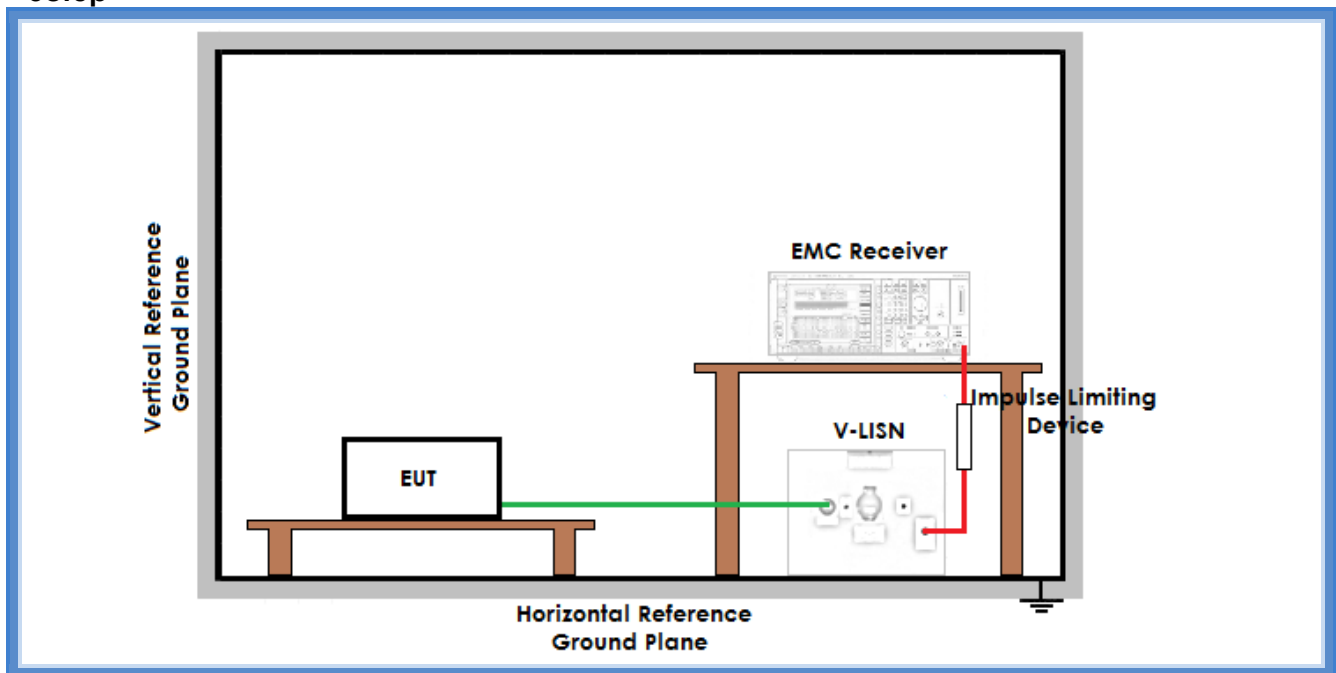
Acceptance limits

Limits for class A equipment		
Frequency range (MHz)	dB(μV) Quasi-peak	dB(μV) Average
0,15 to 0,50	79	66
0,5 to 5	73	60
5 to 30	73	60

Limits for class B equipment		
Frequency range (MHz)	dB(μV) Quasi-peak	dB(μV) Average
0,15 to 0,50	66 to 56	56 to 46
0,5 to 5	56	46
5 to 30	60	50



Setup



Result

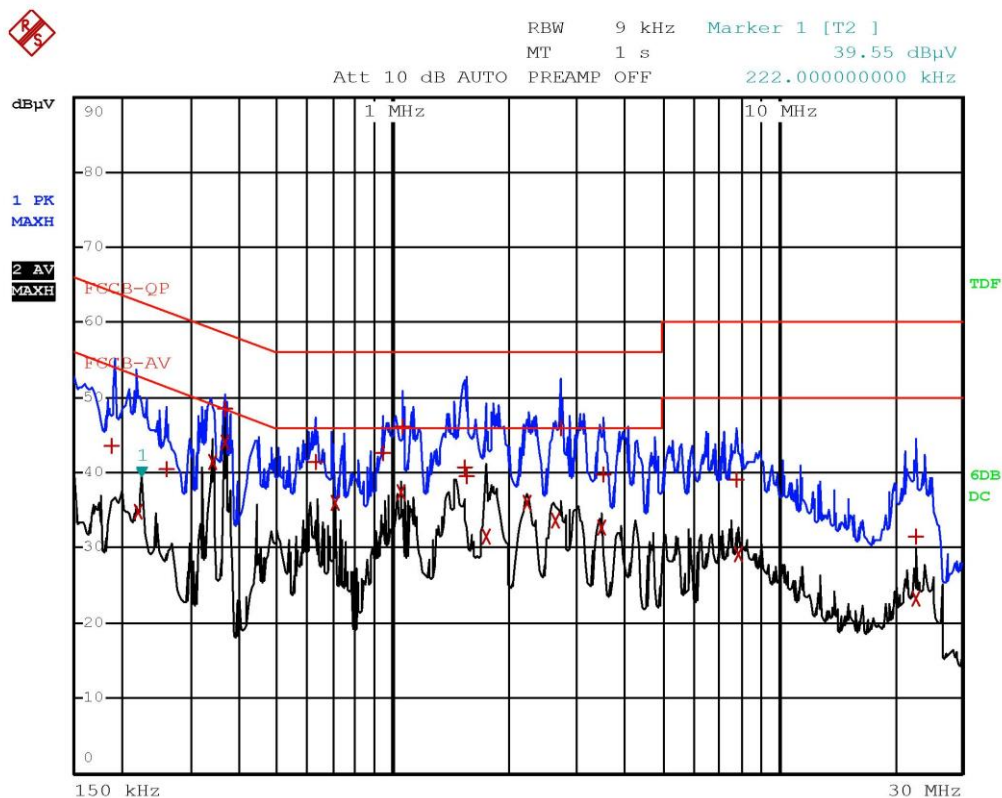
Line	Graphs	Remarks	Result
N	G16270914	EUT side	Complies
L1	G16270915	EUT side	Complies
L1	G16270916	PC side	Complies
N	G16270917	PC side	Complies
Remarks: --			

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



Panozzo 16270914 Line N In Finzione stampa continua



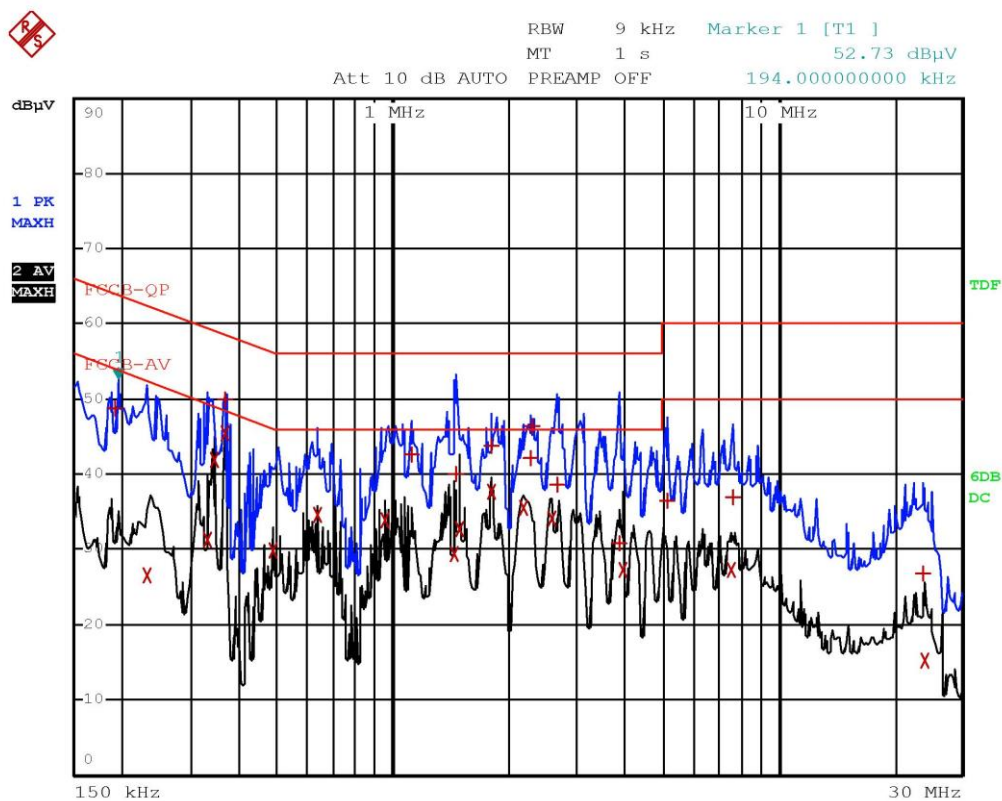
EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCCB-QP		
Trace2:	FCCB-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	190 kHz	43.57	-20.46
2 Average	222 kHz	34.93	-17.81
1 Quasi Peak	258 kHz	40.46	-21.03
2 Average	338 kHz	41.45	-7.79
2 Average	366 kHz	44.06	-4.53
1 Quasi Peak	366 kHz	48.44	-10.14
1 Quasi Peak	630 kHz	41.51	-14.48
2 Average	706 kHz	36.06	-9.93
1 Quasi Peak	942 kHz	42.64	-13.35
2 Average	1.05 MHz	37.50	-8.49
1 Quasi Peak	1.066 MHz	46.10	-9.89
1 Quasi Peak	1.534 MHz	40.70	-15.29
1 Quasi Peak	1.554 MHz	39.52	-16.47
2 Average	1.754 MHz	31.55	-14.44
2 Average	2.222 MHz	35.96	-10.03
2 Average	2.642 MHz	33.73	-12.26
1 Quasi Peak	2.73 MHz	45.94	-10.05
2 Average	3.47 MHz	32.81	-13.18
1 Quasi Peak	3.518 MHz	39.83	-16.16
1 Quasi Peak	7.786 MHz	39.10	-20.89

Panozzo 16270914 Line N In Finzione stampa continua



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCCB-QP		
Trace2:	FCCB-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
2 Average	7.866 MHz	29.19	-20.80
1 Quasi Peak	22.694 MHz	31.49	-28.50
2 Average	22.81 MHz	23.29	-26.70

Panozzo 16270914 Line N In Finzione stampa continua



Panozzo 16270915 Line L In Finzione stampa continua



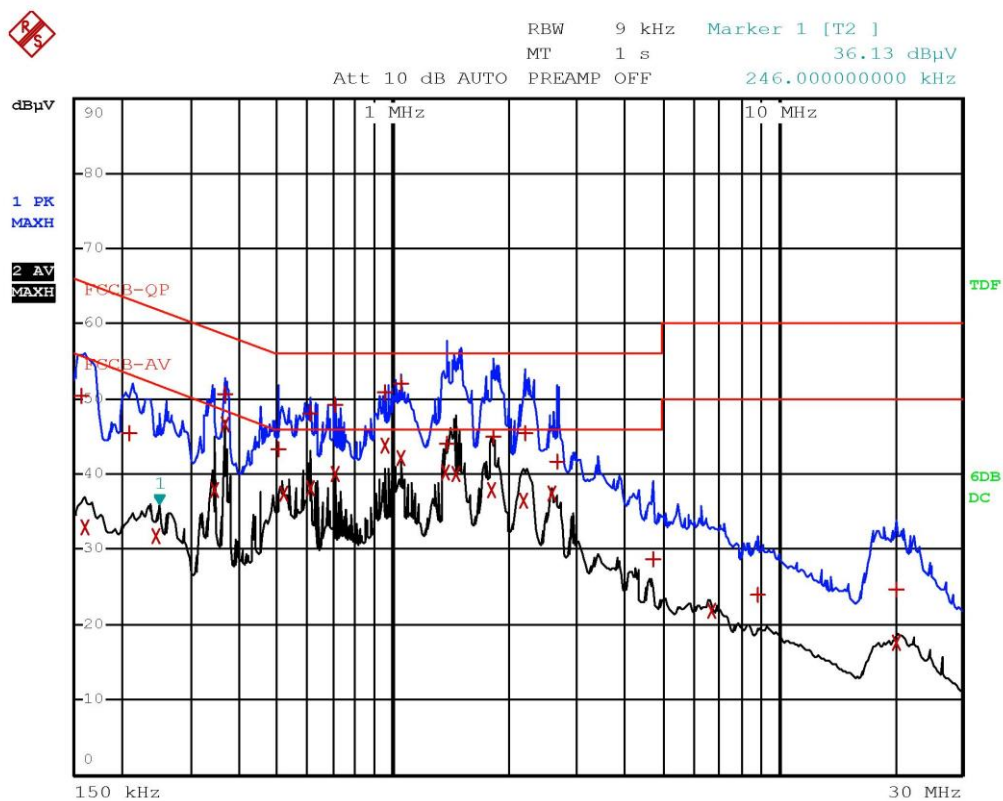
EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCCB-QP		
Trace2:	FCCB-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	194 kHz	48.79	-15.07
2 Average	234 kHz	26.66	-25.63
2 Average	330 kHz	31.21	-18.23
2 Average	342 kHz	41.83	-7.32
2 Average	366 kHz	45.52	-3.06
1 Quasi Peak	366 kHz	49.95	-8.63
2 Average	486 kHz	29.94	-16.28
2 Average	634 kHz	34.50	-11.49
2 Average	954 kHz	33.96	-12.03
1 Quasi Peak	1.118 MHz	42.52	-13.47
2 Average	1.446 MHz	29.50	-16.49
1 Quasi Peak	1.458 MHz	40.02	-15.97
2 Average	1.494 MHz	32.68	-13.31
2 Average	1.806 MHz	37.70	-8.29
1 Quasi Peak	1.814 MHz	43.92	-12.07
2 Average	2.194 MHz	35.55	-10.44
1 Quasi Peak	2.29 MHz	42.12	-13.87
1 Quasi Peak	2.294 MHz	46.44	-9.55
2 Average	2.586 MHz	34.06	-11.93
1 Quasi Peak	2.674 MHz	38.54	-17.45

Panozzo 16270915 Line L In Finzione stampa continua



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCCB-QP		
Trace2:	FCCB-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	3.886 MHz	30.81	-25.18
2 Average	3.942 MHz	27.21	-18.78
1 Quasi Peak	5.15 MHz	36.38	-23.61
2 Average	7.542 MHz	27.29	-22.71
1 Quasi Peak	7.634 MHz	36.97	-23.02
1 Quasi Peak	23.83 MHz	26.73	-33.26
2 Average	23.906 MHz	15.14	-34.85

Panozzo 16270915 Line L In Finzione stampa continua



Panozzo 16270916 Line L PC In Finzione stampa continua



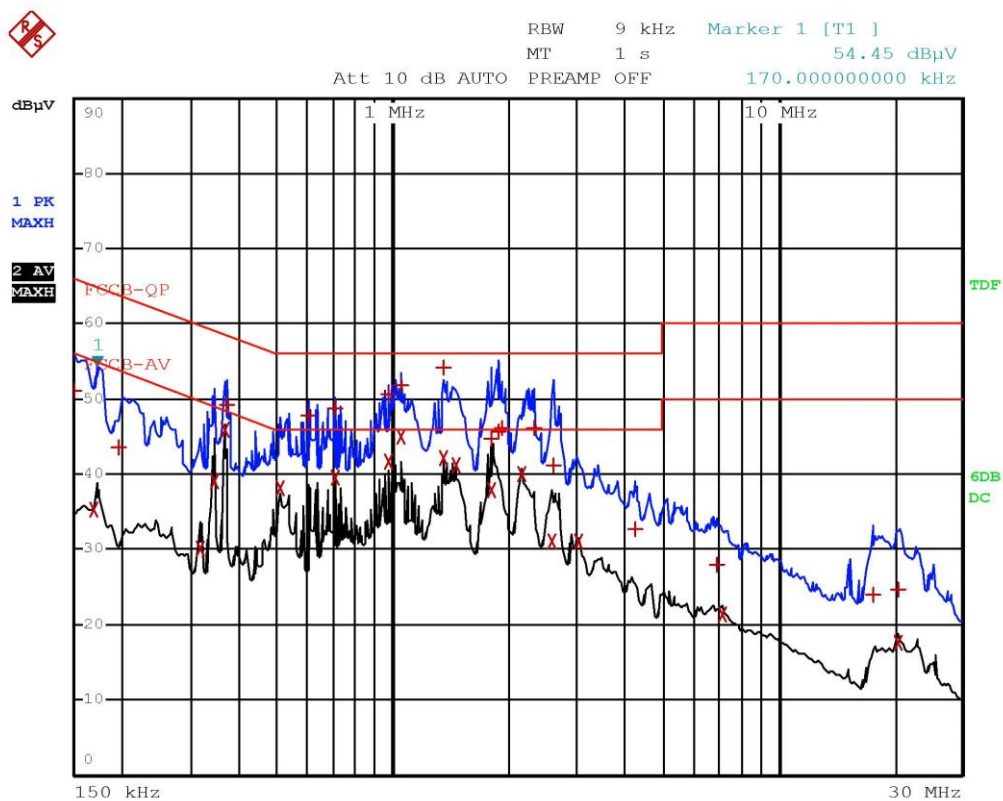
EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCCB-QP		
Trace2:	FCCB-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	158 kHz	50.46	-15.10
2 Average	162 kHz	32.92	-22.43
1 Quasi Peak	210 kHz	45.56	-17.64
2 Average	246 kHz	31.69	-20.19
2 Average	342 kHz	38.02	-11.12
1 Quasi Peak	366 kHz	50.65	-7.93
2 Average	366 kHz	46.64	-1.95
1 Quasi Peak	502 kHz	43.37	-12.62
2 Average	522 kHz	37.36	-8.63
1 Quasi Peak	610 kHz	48.03	-7.96
2 Average	610 kHz	38.18	-7.81
1 Quasi Peak	706 kHz	49.25	-6.74
2 Average	706 kHz	40.12	-5.87
1 Quasi Peak	950 kHz	50.85	-5.14
2 Average	950 kHz	43.92	-2.07
1 Quasi Peak	1.046 MHz	52.06	-3.93
2 Average	1.046 MHz	42.20	-3.79
2 Average	1.37 MHz	40.16	-5.83
1 Quasi Peak	1.378 MHz	43.97	-12.02
2 Average	1.462 MHz	40.02	-5.97

Panozzo 16270916 Line L PC In Finzione stampa continua



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCCB-QP		
Trace2:	FCCB-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
2 Average	1.802 MHz	37.89	-8.10
1 Quasi Peak	1.818 MHz	44.88	-11.11
2 Average	2.19 MHz	36.55	-9.44
1 Quasi Peak	2.214 MHz	45.40	-10.59
2 Average	2.586 MHz	37.44	-8.55
1 Quasi Peak	2.678 MHz	41.69	-14.30
1 Quasi Peak	4.75 MHz	28.74	-27.25
2 Average	6.746 MHz	21.77	-28.22
1 Quasi Peak	8.83 MHz	24.05	-35.94
1 Quasi Peak	20.302 MHz	24.68	-35.31
2 Average	20.31 MHz	17.71	-32.28

Panozzo 16270916 Line L PC In Finzione stampa continua



Panozzo 16270917 Line N PC In Finzione stampa continua



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCCB-QP		
Trace2:	FCCB-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	150 kHz	51.25	-14.74
2 Average	170 kHz	35.30	-19.65
1 Quasi Peak	198 kHz	43.49	-20.19
2 Average	314 kHz	30.19	-19.66
2 Average	342 kHz	39.00	-10.15
2 Average	366 kHz	45.90	-2.69
1 Quasi Peak	370 kHz	49.14	-9.35
2 Average	510 kHz	38.16	-7.83
1 Quasi Peak	606 kHz	47.77	-8.22
1 Quasi Peak	706 kHz	48.77	-7.22
2 Average	706 kHz	39.65	-6.34
1 Quasi Peak	974 kHz	50.71	-5.29
2 Average	974 kHz	41.74	-4.26
1 Quasi Peak	1.046 MHz	51.89	-4.10
2 Average	1.046 MHz	45.04	-0.95
1 Quasi Peak	1.362 MHz	54.23	-1.76
2 Average	1.362 MHz	42.12	-3.87
2 Average	1.458 MHz	41.19	-4.80
2 Average	1.802 MHz	38.02	-7.97
1 Quasi Peak	1.814 MHz	44.75	-11.24

Panozzo 16270917 Line N PC In Finzione stampa continua



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCCB-QP		
Trace2:	FCCB-AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	1.882 MHz	45.62	-10.37
1 Quasi Peak	1.922 MHz	46.07	-9.92
2 Average	2.17 MHz	40.00	-5.99
1 Quasi Peak	2.318 MHz	46.15	-9.84
2 Average	2.598 MHz	31.11	-14.88
1 Quasi Peak	2.63 MHz	41.25	-14.74
2 Average	3.042 MHz	30.96	-15.03
1 Quasi Peak	4.258 MHz	32.72	-23.27
1 Quasi Peak	6.954 MHz	27.97	-32.02
2 Average	7.17 MHz	21.47	-28.52
1 Quasi Peak	17.734 MHz	24.02	-35.97
2 Average	20.426 MHz	17.50	-32.49
1 Quasi Peak	20.51 MHz	24.67	-35.32

Panozzo 16270917 Line N PC In Finzione stampa continua

Result: The requirements are met



11.2 Radiated disturbance test

Test set-up and execution

- FCC Rules and Regulation; Titles 47 Part. 15.109
- 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 S164, CMC S271, CMC S287
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
Frequency range: 30 MHz – 6000 MHz
Antenna polarization: Horizontal (H) – Vertical (V)
EUT – Antenna distance:
10 m for frequencies ≤ 1000 MHz
3 m for frequencies > 1000 MHz

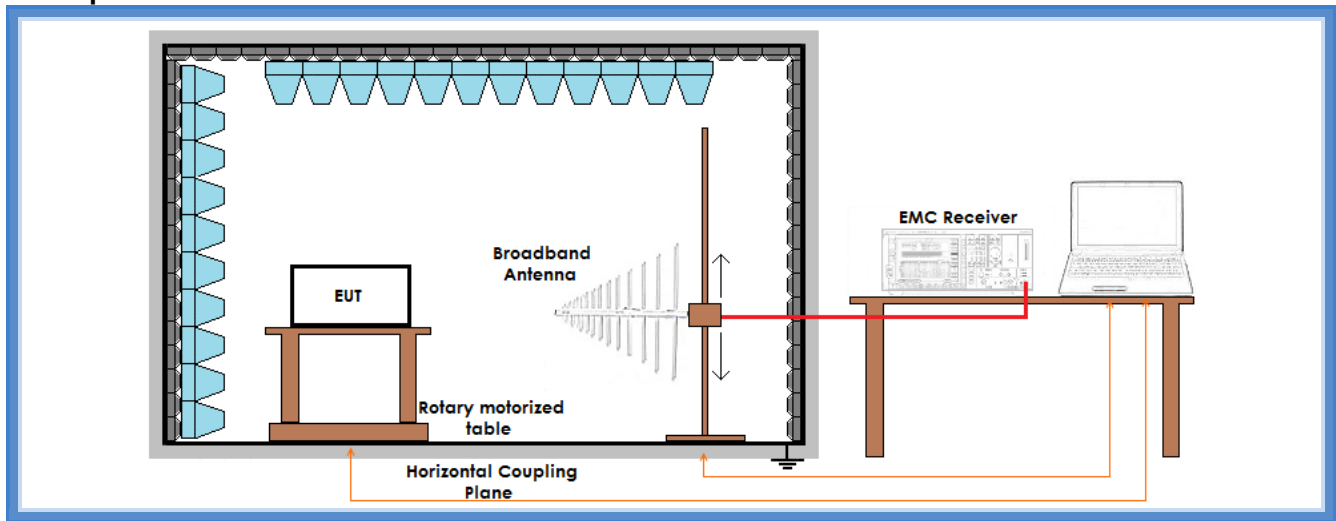
Acceptance limits

Class A radiated limits		
Frequency range (MHz)	Limits [dB(μV/m)]	
30 to 88	39,08	
88 to 216	43,52	
216 to 960	46,44	
960 to 1000	49,54	
	Linear average detector [dB(μV/m)]	Peak detector [dB(μV/m)]
Above 1000	59,54	79,54

Class B radiated limits		
Frequency range (MHz)	Limits [dB(μV/m)]	
30 to 88	30	
88 to 216	33,52	
216 to 960	36,02	
960 to 1000	43,98	
	Linear average detector [dB(μV/m)]	Peak detector [dB(μV/m)]
Above 1000	53,98	73,98



Setup



Result

Polarization	Frequency Range (MHz)	Graphs	Remarks	Result
V	30 – 300	G16270910	--	Complies
H	30 – 300	G16270911	--	Complies
H	300 – 1000	G16270912	--	Complies
V	300 – 1000	G16270913	--	Complies
Remarks: The highest frequency of the internal sources of the EUT is less than 108 MHz, measurement has been made up to 1 GHz				

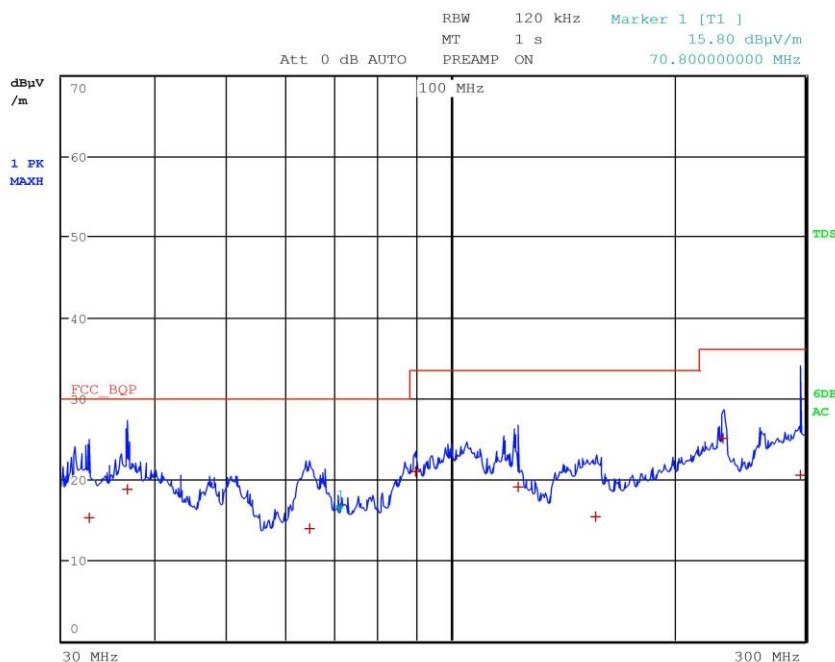
Graphs Legend

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

Meas Type Emission 30-300MHz
Equipment under Test
Manufacturer
OP Condition In funzione Cicli di stampa
Operator Panozzo 16270910
Test Spec
Vert.



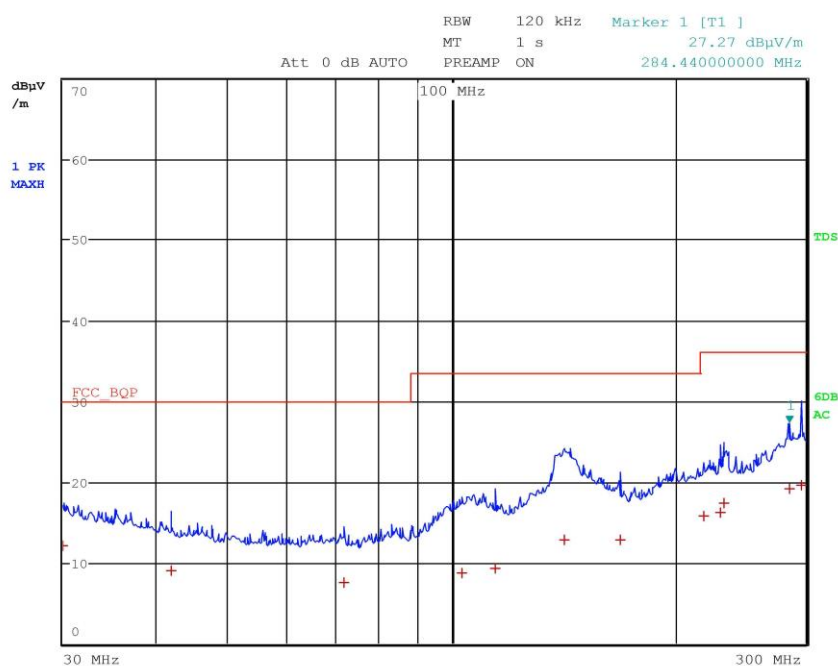
Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 8

Trace	Frequency	Level (dBμV/m)	Detector	Delta Limit/dB
1	32.640000000 MHz	15.24	Quasi Peak	-14.76
1	36.760000000 MHz	18.69	Quasi Peak	-11.31
1	64.600000000 MHz	13.84	Quasi Peak	-16.16
1	89.640000000 MHz	20.90	Quasi Peak	-12.63
1	123.200000000 MHz	19.05	Quasi Peak	-14.47
1	156.840000000 MHz	15.30	Quasi Peak	-18.22
1	232.680000000 MHz	25.06	Quasi Peak	-10.96
1	295.400000000 MHz	20.45	Quasi Peak	-15.57



Meas Type Emission 30-300MHz
Equipment under Test
Manufacturer
OP Condition In funzione Cicli di stampa
Operator Panozzo 16270911
Test Spec
Horiz.





Meas Type Emission 30-300MHz
Equipment under Test
Manufacturer
OP Condition In funzione Cicli di stampa
Operator Panozzo 16270911
Test Spec
Horiz.

Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 12

Trace	Frequency	Level (dB μ V/m)	Detector	Delta Limit/dB
1	30.040000000 MHz	12.08	Quasi Peak	-17.92
1	41.960000000 MHz	9.07	Quasi Peak	-20.93
1	71.640000000 MHz	7.62	Quasi Peak	-22.38
1	103.400000000 MHz	8.82	Quasi Peak	-24.70
1	114.440000000 MHz	9.38	Quasi Peak	-24.14
1	141.600000000 MHz	12.83	Quasi Peak	-20.69
1	168.360000000 MHz	12.82	Quasi Peak	-20.70
1	218.040000000 MHz	15.83	Quasi Peak	-20.19
1	229.640000000 MHz	16.19	Quasi Peak	-19.83
1	232.920000000 MHz	17.35	Quasi Peak	-18.67
1	284.440000000 MHz	19.21	Quasi Peak	-16.81
1	295.200000000 MHz	19.63	Quasi Peak	-16.39

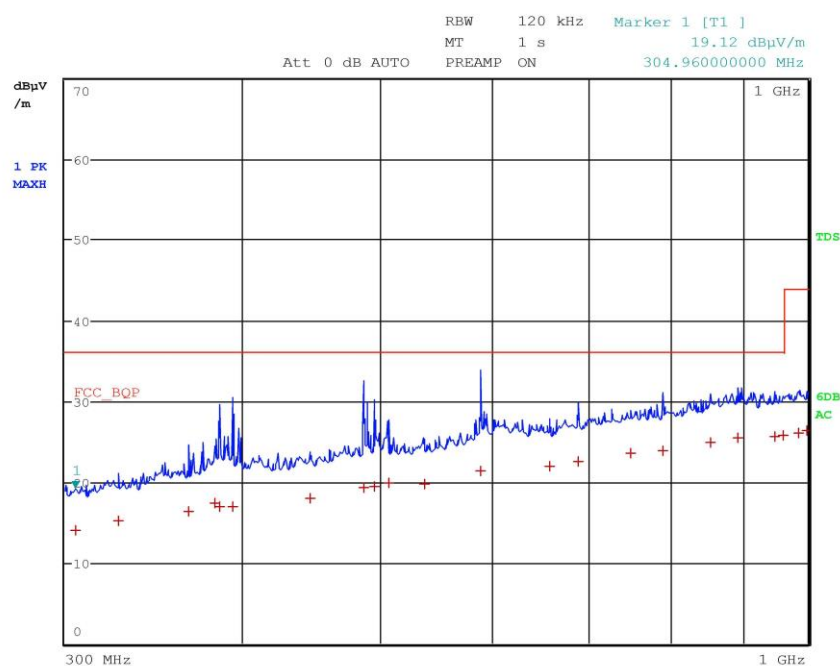


CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



LAB N° 0168

Meas Type Emission 300-1000MHz
Equipment under Test
Manufacturer
OP Condition In funzione Cicli di stampa
Operator Panozzo 16270912
Test Spec
Horiz.





Meas Type Emission 300-1000MHz
Equipment under Test
Manufacturer
OP Condition In funzione Cicli di stampa
Operator Panozzo 16270912
Test Spec
Horiz.

Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 22

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	304.960000000 MHz	14.11	Quasi Peak	-21.91
1	327.360000000 MHz	15.16	Quasi Peak	-20.86
1	366.560000000 MHz	16.38	Quasi Peak	-19.64
1	382.280000000 MHz	17.38	Quasi Peak	-18.64
1	385.160000000 MHz	16.93	Quasi Peak	-19.09
1	393.720000000 MHz	17.04	Quasi Peak	-18.98
1	446.800000000 MHz	17.95	Quasi Peak	-18.07
1	486.400000000 MHz	19.32	Quasi Peak	-16.70
1	495.080000000 MHz	19.48	Quasi Peak	-16.54
1	506.520000000 MHz	19.97	Quasi Peak	-16.05
1	536.840000000 MHz	19.81	Quasi Peak	-16.21
1	588.000000000 MHz	21.39	Quasi Peak	-14.63
1	657.800000000 MHz	21.96	Quasi Peak	-14.06
1	689.040000000 MHz	22.61	Quasi Peak	-13.41
1	750.240000000 MHz	23.56	Quasi Peak	-12.46
1	790.400000000 MHz	23.85	Quasi Peak	-12.17
1	853.440000000 MHz	24.93	Quasi Peak	-11.09
1	892.600000000 MHz	25.56	Quasi Peak	-10.46
1	946.560000000 MHz	25.62	Quasi Peak	-10.40
1	959.640000000 MHz	25.80	Quasi Peak	-10.22
1	984.800000000 MHz	26.12	Quasi Peak	-17.86
1	998.000000000 MHz	26.33	Quasi Peak	-17.65

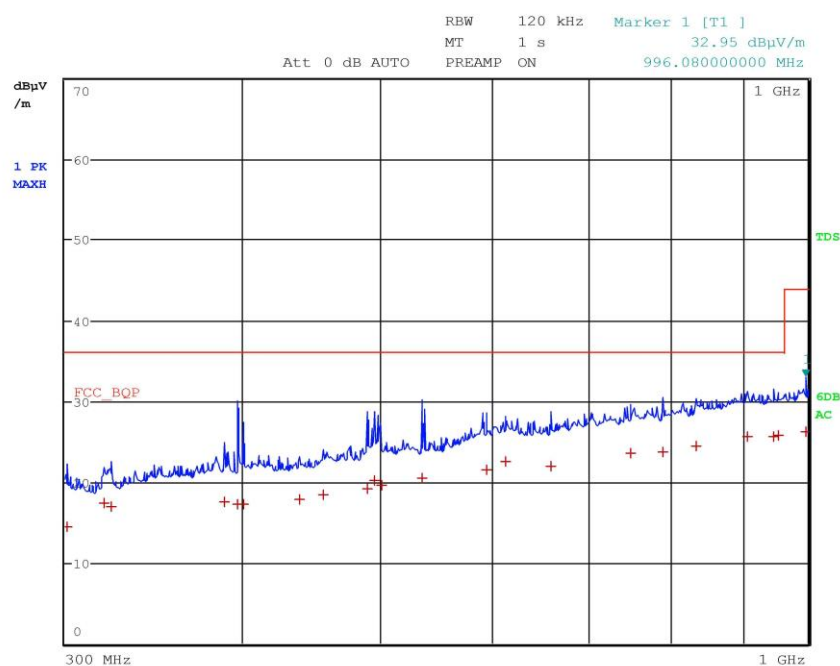


CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



LAB N° 0168

Meas Type Emission 300-1000MHz
Equipment under Test
Manufacturer
OP Condition In funzione Cicli di stampa
Operator Panozzo 16270913
Test Spec
Vert.





Meas Type Emission 300-1000MHz
Equipment under Test
Manufacturer
OP Condition In funzione Cicli di stampa
Operator Panozzo 16270913
Test Spec
Vert.

Final Measurement

Meas Time: 1 s
Margin: 6 dB
Subranges: 22

Trace	Frequency	Level (dBµV/m)	Detector	Delta Limit/dB
1	301.120000000 MHz	14.49	Quasi Peak	-21.53
1	319.640000000 MHz	17.45	Quasi Peak	-18.57
1	323.480000000 MHz	16.93	Quasi Peak	-19.09
1	388.600000000 MHz	17.54	Quasi Peak	-18.48
1	397.160000000 MHz	17.23	Quasi Peak	-18.79
1	400.920000000 MHz	17.22	Quasi Peak	-18.80
1	438.760000000 MHz	17.81	Quasi Peak	-18.21
1	456.360000000 MHz	18.40	Quasi Peak	-17.62
1	489.680000000 MHz	19.22	Quasi Peak	-16.80
1	495.400000000 MHz	20.24	Quasi Peak	-15.78
1	501.160000000 MHz	19.62	Quasi Peak	-16.40
1	535.120000000 MHz	20.55	Quasi Peak	-15.47
1	593.360000000 MHz	21.47	Quasi Peak	-14.55
1	612.880000000 MHz	22.53	Quasi Peak	-13.49
1	659.080000000 MHz	22.00	Quasi Peak	-14.02
1	750.520000000 MHz	23.58	Quasi Peak	-12.44
1	789.480000000 MHz	23.70	Quasi Peak	-12.32
1	834.720000000 MHz	24.41	Quasi Peak	-11.61
1	906.400000000 MHz	25.66	Quasi Peak	-10.36
1	945.960000000 MHz	25.64	Quasi Peak	-10.38
1	953.720000000 MHz	25.74	Quasi Peak	-10.28
1	996.080000000 MHz	26.20	Quasi Peak	-17.78

Result: The requirements are met