



TEST REPORT nr. R19053401

Federal Communication Commission (FCC)

Test item

Description: TRANSCEIVER UNIT
Trademark: AUTEC
Model/Type: Model RPD Type FAA0M
FCC ID: OQA-RPDFAA0M

Test Specification

Standard: FCC Rules & Regulations, Title 47:2018
Part 15 paragraph(s): 203, 204, 207, 209, 215 and 249

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

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

Report

Tested by: G. Gandini
Approved by: R. Beghetto – Laboratory Manager
Date of issue: 05.11.2020
Contents: 96 pages

Giovanni Gandini
.....
R. Beghetto
.....

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
6. EQUIPMENT LIST	7
7. MEASUREMENT UNCERTAINTY	8
8. REFERENCE DOCUMENTS	10
9. DEVIATION FROM TEST SPECIFICATION	11
10. TEST CASE VERDICTS	11
11. RESULTS	12
11.1 ANTENNA REQUIREMENTS	13
11.2 CONDUCTED EMISSIONS	14
11.3 RADIATED EMISSIONS AND SPURIOUS EMISSIONS	24
11.4 PEAK OUTPUT POWER	78
11.5 20 DB BANDWIDTH	87
11.6 BAND EDGE	92



1. Summary

Standard:

FCC Rules & Regulations, Title 47:2018
Part 15 paragraph(s): 203, 204, 207, 209, 215 and 249

Test specifications	Environmental Phenomena	Tests sequence	Result
Part 15.203	Antenna requirements	1	Complies
Part 15.207	Conducted emissions	2	Complies
Part 15.209	Radiated emissions and spurious emission	3	Complies
Part 15.209 and 15.249	Peak Output Power	4	Complies
Part 15.215 (c)	20 dB bandwidth	5	Complies
Part 15.249 (d)	Band edge	6	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 : 45-400 V ~ 60 Hz bi-phase

Serial Number : --

Type of equipment : ☒ Transmitter Unit
 ☒ Receiver Unit

Type of station : ☒ Fixed station
 ☐ Portable station
 ☐ Mobile station

Nominal frequency : F_L: 915.05 MHz F_M: 921.00 MHz F_H: 927.75 MHz

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: 182474

3. Testing and sampling

Date of receipt of test item	: 22.01.2019
Testing start date	: 19.10.2019
Testing end date	: 05.11.2020
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 P190083

4. Operative conditions

EUT exercising : EUT in continuous transmission at maximum power. Conducted emissions tests have been performed on both 120 and 240 Vac supply voltage, the other tests have been performed on the supply voltage which provides the worst testing conditions



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 '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 '21
CMC S136	Schwarzbeck	VULB 9163	Broadband Antenna	9163-205	June '19	June '22
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '19	January '20
CMC S200	Schwarzbeck	NSLK 8128	V-LISN	8128-273	January '20	January '21
CMC S206	Rohde & Schwarz	ESCI 7	EMC Receiver	100781	January '20	January '21
CMC S290	Schwarzbeck	BBHA 9170	Horn Antenna (15-40 GHz)	733	July '19	July '22
CMC S295	Rohde & Schwarz	FSW43	Spectrum Analyzer 43GHz	104059	November '19	November '22



7. 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	3,0 dB	1
Conducted emission CISPR 16 Voltage Probe 0,15-30MHz	PE001_02	2,9 dB	1
Conducted emission CISPR 16 Current Probe 0,15-30MHz	PE001_03	2,6 dB	1
Conducted emission CISPR 16 ISN 0,15-30MHz	PE001_04	4,7 dB	1
Clic CISPR 16 LISN 50uH 0,150-30,0MHz	PE001_05	3,1 dB	1
Disturbance Power 30-300 MHz	PE002_01	3,6 dB	1
Radiated Emission LAS 0,15-30MHz	PE003_01	2,0 dB	1
Radiated Emission CISPR 16 Loop Ant. 0,15-30MHz	PE004_01	4,0 dB	1
Radiated Emission CISPR 16 Bicon. Ant. 30-300MHz	PE004_02	3,9 dB	1
Radiated Emission CISPR 16 LogP. Ant. 300-1000MHz	PE004_03	3,8 dB	1
Radiated Emission CISPR 16 Horn Ant. 1-18GHz	PE004_04	4,2 dB	1
Human Exposure to electromagnetic fields	PE005_01	23,6 %	1
Harmonic current emissions test	PE006_01	10 mA + 2,6 %	1
Voltage fluctuation and flicker test	PE007_01	4,8 %	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	6,25 % 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



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	4,7 dB	1
Misura della potenza EIRP 18-40GHz d=3m	PR001_05	5,4 dB	1
Frequency error	PR002_01+02	$< 1 \times 10^{-7}$	1
Timing zero span (1001pts.)	PR002_01+02	0,2 % SWT	1
Modulation bandwidth	PR002_01+02	$< 1 \times 10^{-7}$	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
Rev_19_02 date 27/03/2019			

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 $k = 2$



8. Reference documents

Reference no.	Description
FCC Rules and Regulation Title 47 part 15:2018	--
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
Internal Procedure PM001 rev. 3.0 (Quality Manual)	Measure Procedure
Internal procedure INC_M rev. 9.1 (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.

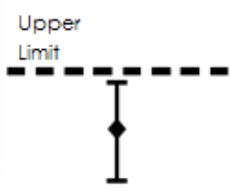
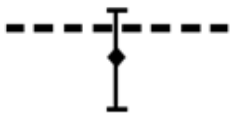
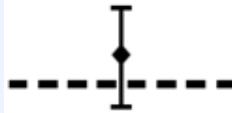


11. Results

In this clause tests results are reported.

Measurement uncertainty is in accordance with document CMC INC_M rev. 9.1.

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 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 (%)
20	101	42

Result

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

Result: The requirements are met



11.2 Conducted emissions

Test set-up and execution

- FCC Rules and Regulation;
Titles 47 Part 15.207
- 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: Main port
Frequency range: 150 kHz – 30 MHz

Environmental conditions

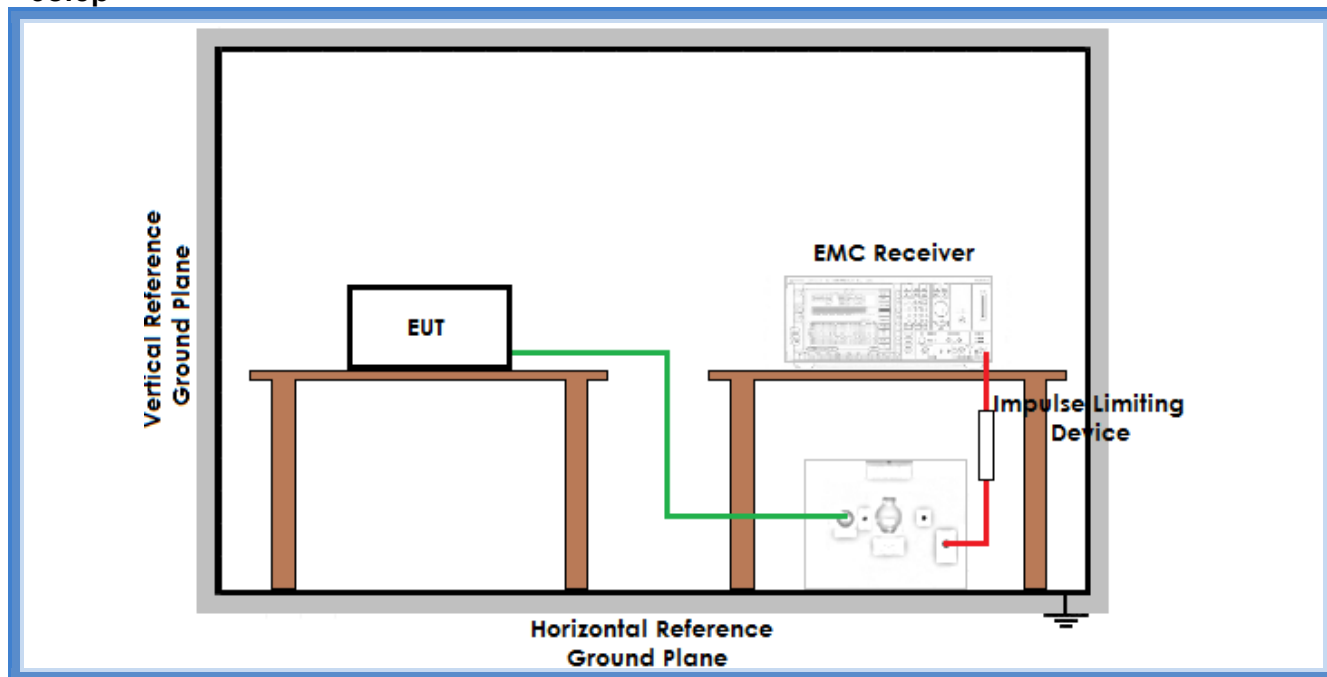
Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
22	100	45

Acceptance limits

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



Setup



Result

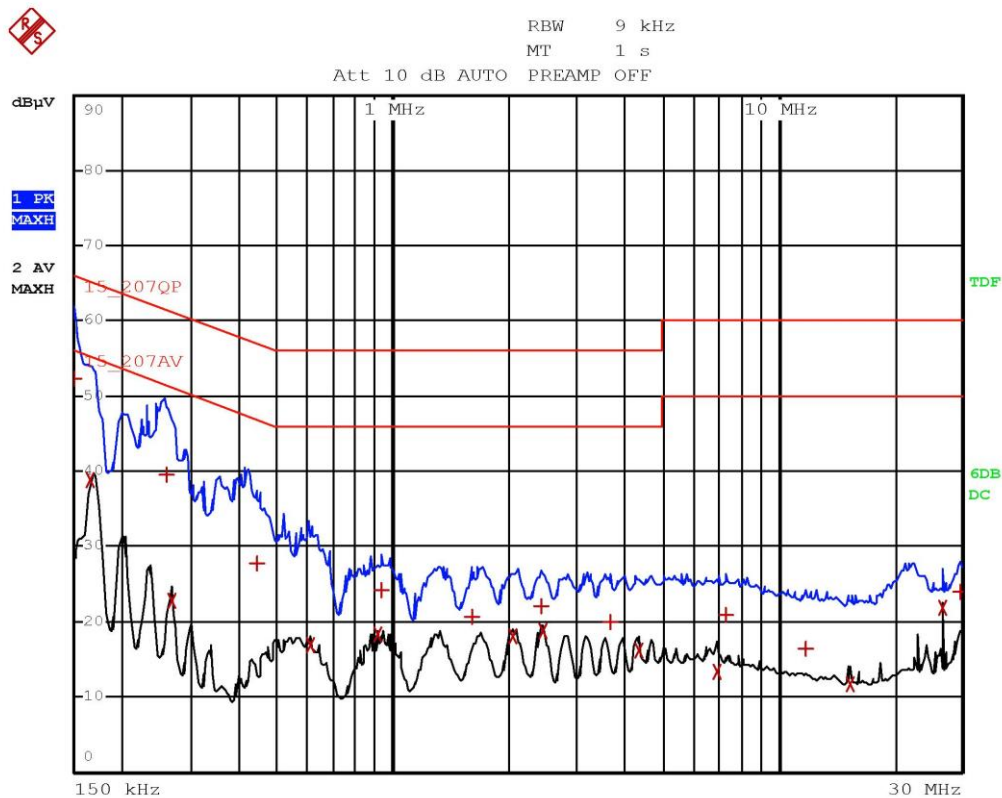
Supply voltage	Line	Graphs	Result
120 V ~ 60 Hz	L2	G19053450	Complies
120 V ~ 60 Hz	L1	G19053451	Complies
240 V ~ 60 Hz	L1	G19053452	Complies
240 V ~ 60 Hz	L2	G19053453	Complies
Remarks: --			

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

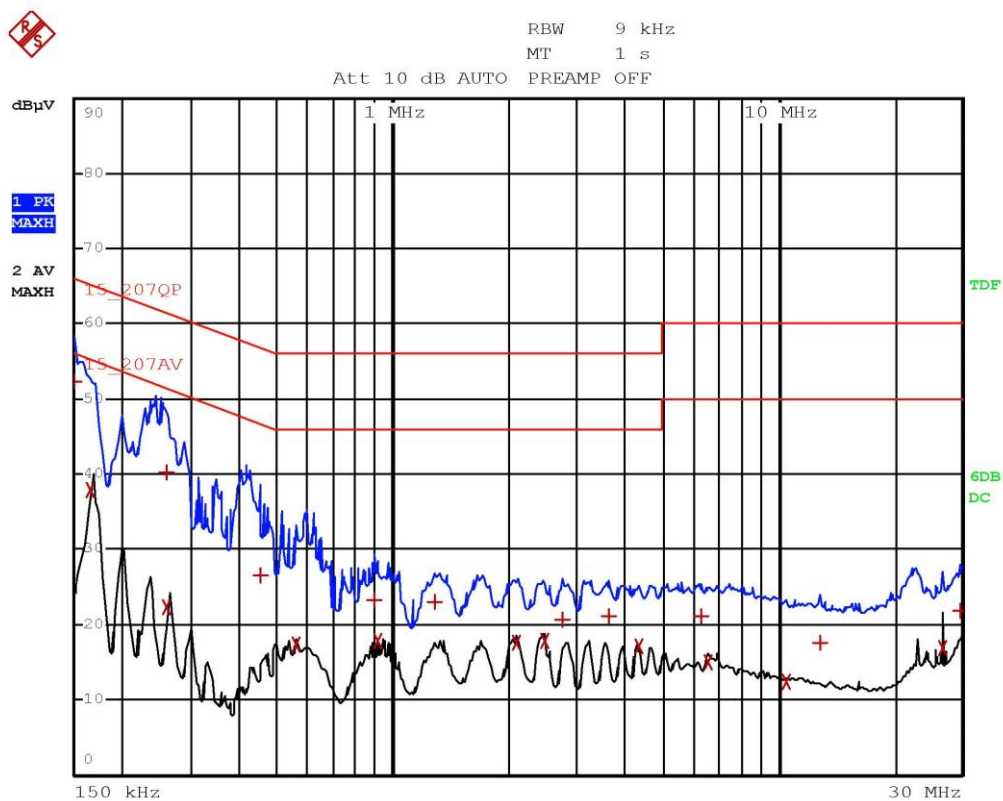


Gandini 19053450-Line N(120Vac)-Tx Rx



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	150 kHz	52.40	-13.59
2 Average	166 kHz	38.77	-16.38
1 Quasi Peak	258 kHz	39.65	-21.84
2 Average	266 kHz	22.72	-28.52
1 Quasi Peak	442 kHz	27.66	-29.35
2 Average	610 kHz	16.97	-29.02
2 Average	914 kHz	18.35	-27.64
1 Quasi Peak	930 kHz	24.20	-31.79
1 Quasi Peak	1.61 MHz	20.57	-35.42
2 Average	2.054 MHz	18.12	-27.87
1 Quasi Peak	2.418 MHz	22.14	-33.85
2 Average	2.45 MHz	18.78	-27.21
1 Quasi Peak	3.666 MHz	20.00	-35.99
2 Average	4.342 MHz	16.24	-29.75
2 Average	6.962 MHz	13.39	-36.61
1 Quasi Peak	7.358 MHz	20.87	-39.12
1 Quasi Peak	11.838 MHz	16.40	-43.59
2 Average	15.434 MHz	11.69	-38.30
2 Average	26.622 MHz	21.79	-28.20
1 Quasi Peak	29.814 MHz	23.87	-36.13

Gandini 19053450-Line N(120Vac)-Tx Rx

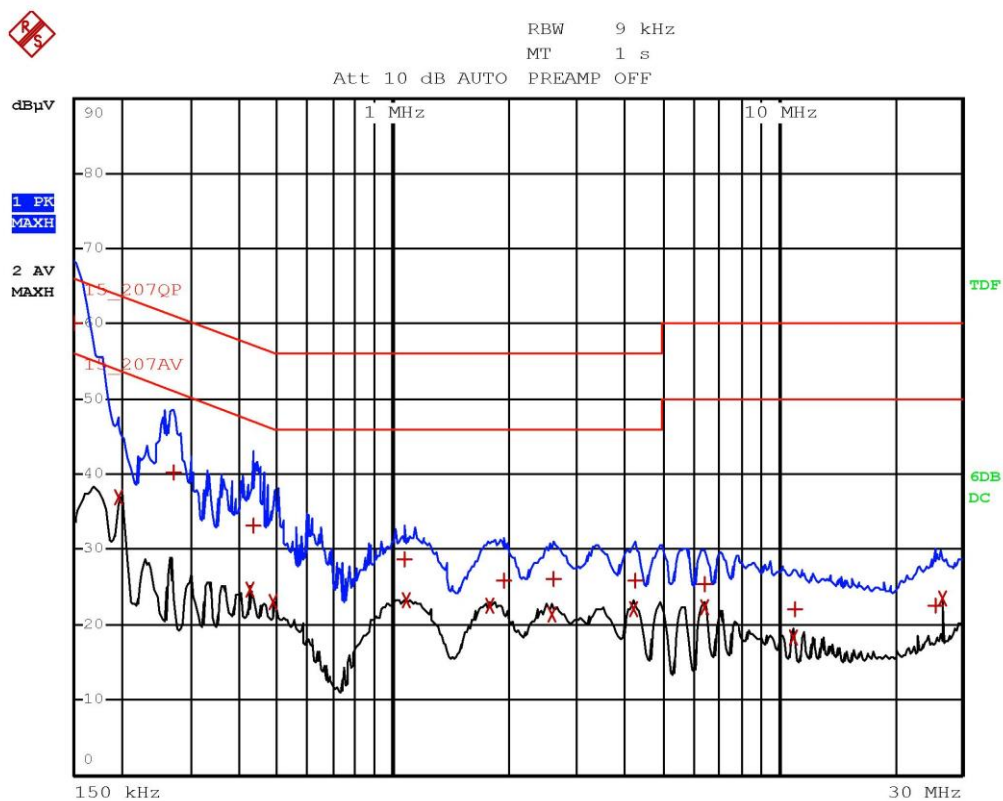
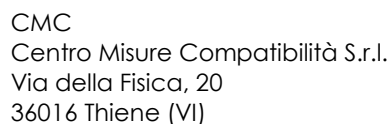


Gandini 19053451-Line L(120Vac)-Tx Rx



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	150 kHz	52.27	-13.72
2 Average	166 kHz	37.82	-17.33
1 Quasi Peak	258 kHz	40.28	-21.21
2 Average	262 kHz	22.21	-29.14
1 Quasi Peak	450 kHz	26.52	-30.35
2 Average	562 kHz	17.38	-28.61
1 Quasi Peak	894 kHz	23.30	-32.69
2 Average	914 kHz	17.76	-28.23
1 Quasi Peak	1.29 MHz	23.11	-32.88
2 Average	2.086 MHz	17.66	-28.34
2 Average	2.482 MHz	17.80	-28.19
1 Quasi Peak	2.774 MHz	20.55	-35.44
1 Quasi Peak	3.626 MHz	21.09	-34.90
2 Average	4.334 MHz	17.05	-28.94
1 Quasi Peak	6.314 MHz	21.13	-38.86
2 Average	6.622 MHz	15.02	-34.97
2 Average	10.498 MHz	12.36	-37.63
1 Quasi Peak	12.81 MHz	17.60	-42.39
2 Average	26.622 MHz	16.92	-33.07
1 Quasi Peak	29.662 MHz	21.96	-38.04

Gandini 19053451-Line L(120Vac)-Tx Rx

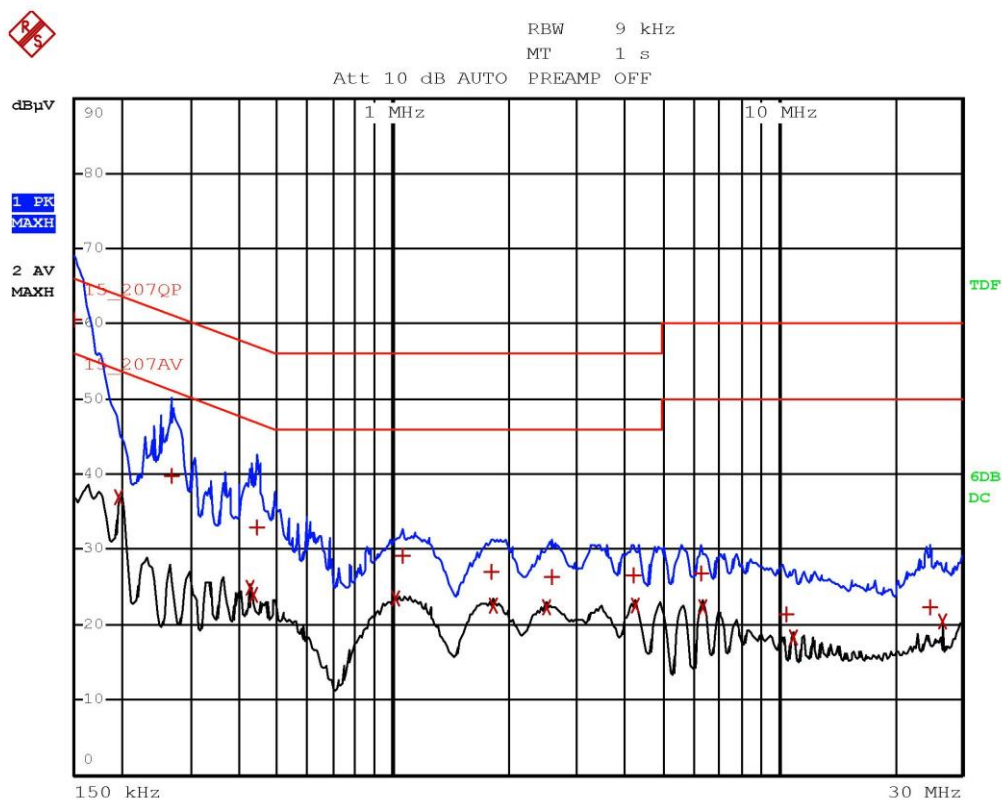


Gandini 19053452-Line L1(240Vac)-Tx Rx



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	150 kHz	60.10	-5.89
2 Average	198 kHz	36.90	-16.78
1 Quasi Peak	270 kHz	40.38	-20.73
2 Average	426 kHz	24.66	-22.66
1 Quasi Peak	434 kHz	33.15	-24.02
2 Average	490 kHz	22.93	-23.23
1 Quasi Peak	1.07 MHz	28.64	-27.35
2 Average	1.082 MHz	23.20	-22.79
2 Average	1.782 MHz	22.61	-23.39
1 Quasi Peak	1.942 MHz	25.94	-30.05
2 Average	2.578 MHz	21.42	-24.57
1 Quasi Peak	2.606 MHz	26.12	-29.87
2 Average	4.222 MHz	22.01	-23.99
1 Quasi Peak	4.286 MHz	25.92	-30.07
2 Average	6.43 MHz	22.43	-27.56
1 Quasi Peak	6.458 MHz	25.47	-34.53
2 Average	11.014 MHz	18.41	-31.58
1 Quasi Peak	11.13 MHz	22.13	-37.86
1 Quasi Peak	25.698 MHz	22.51	-37.48
2 Average	26.622 MHz	23.53	-26.47

Gandini 19053452-Line L1(240Vac)-Tx Rx



Gandini 19053453-Line L2 (240Vac)-Tx Rx



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_207QP		
Trace2:	15_207AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	150 kHz	60.50	-5.49
2 Average	198 kHz	36.90	-16.79
1 Quasi Peak	266 kHz	39.91	-21.33
2 Average	426 kHz	24.95	-22.37
2 Average	434 kHz	24.07	-23.10
1 Quasi Peak	442 kHz	32.98	-24.04
2 Average	1.014 MHz	23.55	-22.44
1 Quasi Peak	1.058 MHz	29.06	-26.93
1 Quasi Peak	1.814 MHz	27.15	-28.84
2 Average	1.822 MHz	22.60	-23.39
2 Average	2.506 MHz	22.43	-23.56
1 Quasi Peak	2.598 MHz	26.44	-29.55
1 Quasi Peak	4.242 MHz	26.51	-29.48
2 Average	4.25 MHz	22.57	-23.42
1 Quasi Peak	6.33 MHz	26.69	-33.30
2 Average	6.398 MHz	22.34	-27.65
1 Quasi Peak	10.47 MHz	21.48	-38.51
2 Average	10.946 MHz	18.39	-31.60
1 Quasi Peak	24.718 MHz	22.44	-37.55
2 Average	26.622 MHz	20.51	-29.48

Gandini 19053453-Line L2(240Vac)-Tx Rx

Result: The requirements are met



11.3 Radiated emissions and spurious 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, CMC S290
Measurement uncertainty: See clause 7 of this test report

Test specification

Port: Enclosure
Frequency range: 0,009 MHz – 10000 MHz
Antenna polarization: Horizontal (H) – Vertical (V)
10 m for frequencies ≤ 1000 MHz
3 m for frequencies > 1000 MHz

Environmental conditions

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

Acceptance limits

Frequency range (MHz)	Test distance (m)	Limits [dB(μV/m)]
0,009 to 0,490	300	48,5 to 13,8
0,490 to 1,705	30	33,8 to 22,9
1,705 to 30	30	29,5
30 to 88	3	40
88 to 216	3	43,5
216 to 960	3	46,0
Above 960	3	54,0

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. The results have been extrapolated to the specified distance using an extrapolation factor



Acceptance limits for emissions in restricted frequency bands (according FCC Part 15.209)

Frequency (MHz)	Test distance (m)	AV limits [dB(μV/m)]	Peak limits [dB(μV/m)]
> 1000	3	54	74

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. The results have been extrapolated to the specified distance using an extrapolation factor

The restricted frequency bands are listed in the following table (according to FCC Part 15.205)

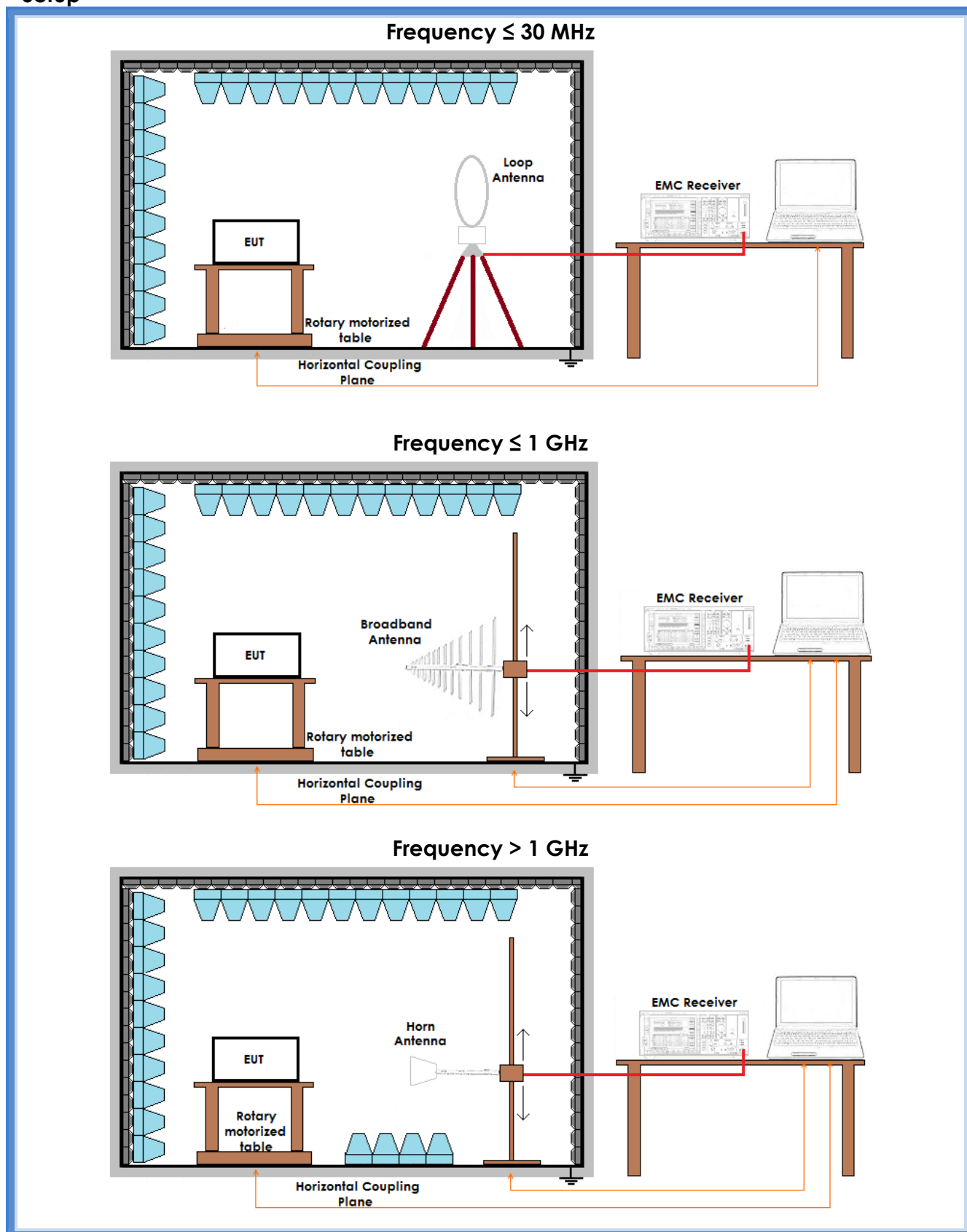
MHz	MHz	MHz	GHz
0,09 – 0,110	16,42 – 16,423	399,9 – 410	4,5 – 5,15
0,495 – 0,505	16,69475 – 16,69525	608 – 614	5,35 – 5,46
2,1735 – 2,1905	16,80425 – 16,80475	960 – 1240	7,25 – 7,75
4,125 – 4,128	25,5 – 25,67	1300 – 1427	8,025 – 8,5
4,17725 – 4,17775	37,5 – 38,25	1435 – 1626,5	9,0 – 9,2
4,20725 – 4,20775	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

Field strength of harmonics: 500 μV/m (54 dB(μV/m)).

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.

Setup





Result

Polarization	Frequency Range (MHz)	Graphs	Remarks	Result
V	30 – 300	G19053403	Highest channel	Complies
H	30 – 300	G19053404	Highest channel	Complies
H	30 – 300	G19053405	Medium channel	Complies
V	30 – 300	G19053406	Medium channel	Complies
V	30 – 300	G19053407	Lowest channel	Complies
H	30 – 300	G19053408	Lowest channel	Complies
H	300 – 1000	G19053409	Lowest channel	Complies
V	300 – 1000	G19053410	Lowest channel	Complies
V	300 – 1000	G19053411	Medium channel	Complies
H	300 – 1000	G19053412	Medium channel	Complies
H	300 – 1000	G19053413	Highest channel	Complies
V	300 – 1000	G19053414	Highest channel	Complies
Loop	0,009 – 30	G19053415	Worst case	Complies
H	1000 – 3000	G19053416	Highest channel	Complies
V	1000 – 3000	G19053417	Highest channel	Complies
V	1000 – 3000	G19053418	Medium channel	Complies
H	1000 – 3000	G19053419	Medium channel	Complies
H	1000 – 3000	G19053420	Lowest channel	Complies
V	1000 – 3000	G19053421	Lowest channel	Complies
V	3000 – 10000	G19053422	Lowest channel	Complies
H	3000 – 10000	G19053423	Lowest channel	Complies
H	3000 – 10000	G19053424	Medium channel	Complies
V	3000 – 10000	G19053425	Medium channel	Complies
V	3000 – 10000	G19053426	Highest channel	Complies
H	3000 – 10000	G19053427	Highest 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 due to the nominal transmitting frequency				

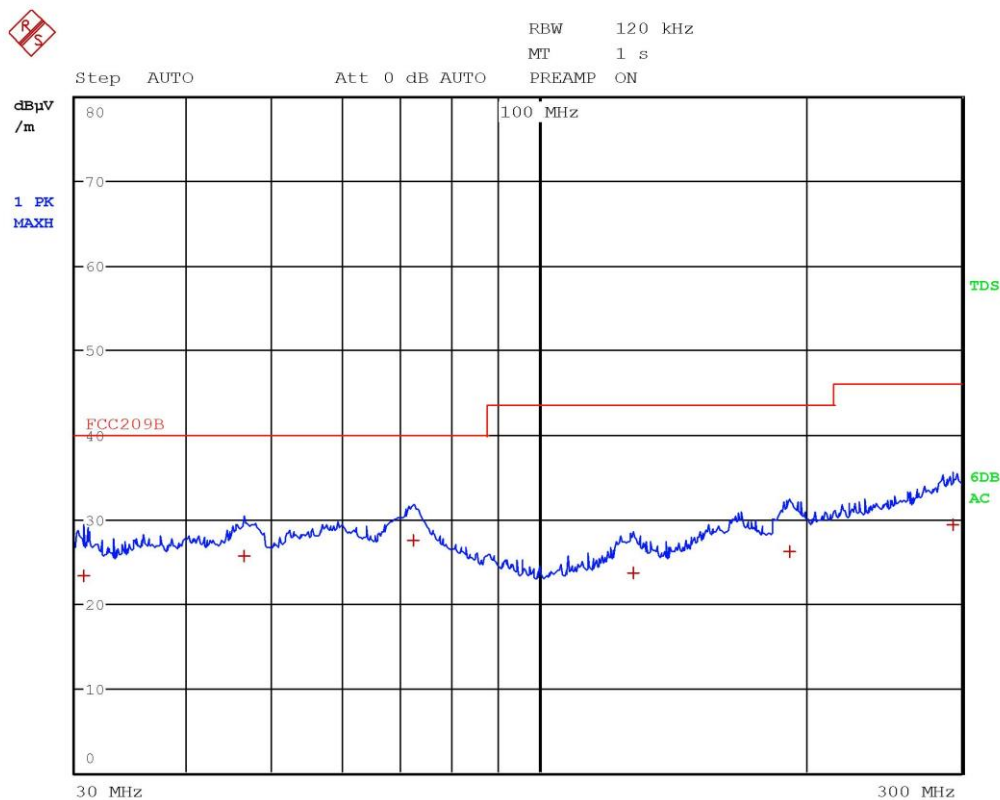
Graphs Legend

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

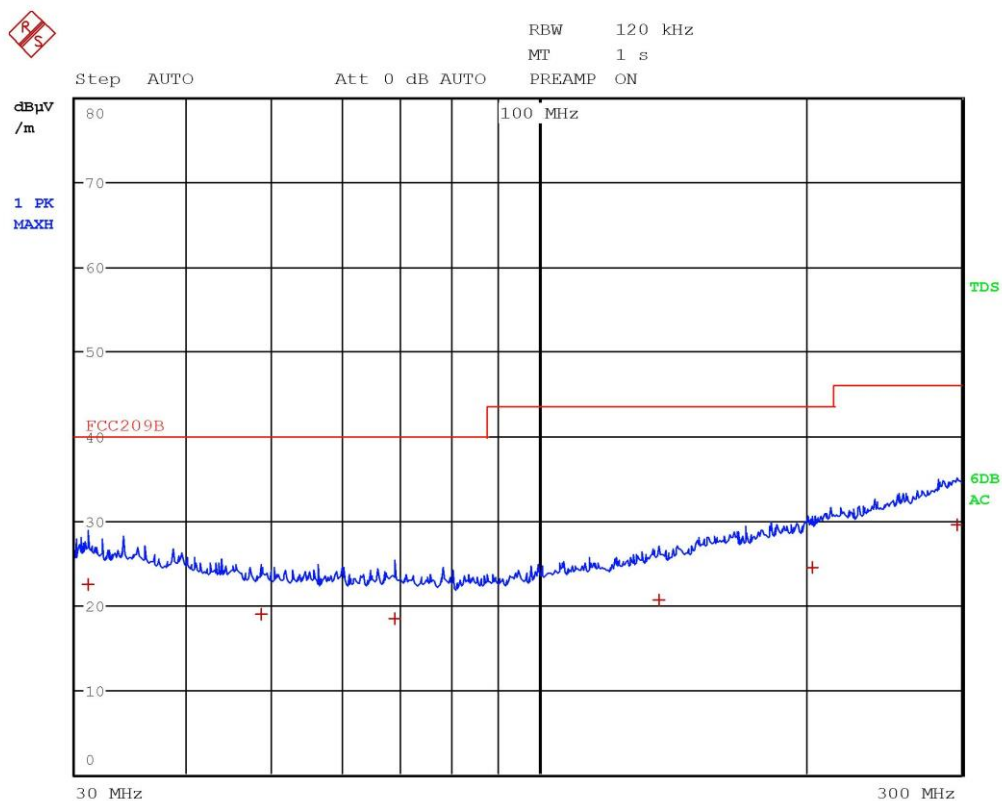


Gandini 19053403



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.68 MHz	23.34	-16.65
1 Quasi Peak	46.44 MHz	25.65	-14.34
1 Quasi Peak	72.04 MHz	27.49	-12.50
1 Quasi Peak	128.04 MHz	23.58	-19.93
1 Quasi Peak	192.04 MHz	26.06	-17.45
1 Quasi Peak	293.88 MHz	29.40	-16.61

Gandini 19053403

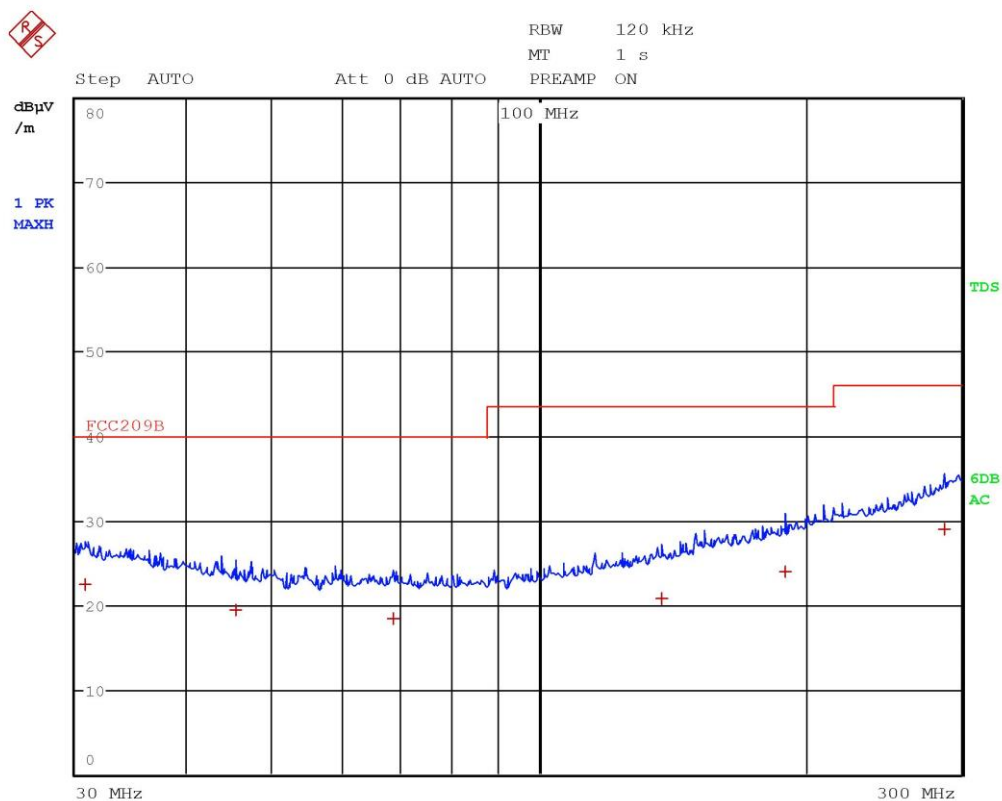


Gandini 19053404



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	31 MHz	22.35	-17.64
1 Quasi Peak	48.52 MHz	18.89	-21.11
1 Quasi Peak	68.88 MHz	18.39	-21.60
1 Quasi Peak	136.52 MHz	20.55	-22.97
1 Quasi Peak	203.44 MHz	24.51	-19.00
1 Quasi Peak	296.72 MHz	29.48	-16.53

Gandini 19053404



Gandini 19053405