



TEST REPORT nr. R19037901

Federal Communication Commission (FCC)

Test item

Description: TRANSCEIVER UNIT
Trademark: AUTEC
Model/Type: Model CRP Type NL055
FCC ID: OQA-CRPNL055

Test Specification

Standard: FCC Rules & Regulations, Title 47:2018
Part 15 paragraph(s): 203, 204, 205, 207, 209 and 247

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

Giovanni Gandini

Approved by: R. Beghetto – Laboratory Manager

R. Beghetto

Date of issue: 11.11.19

Contents: 154 pages

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



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1. Summary

Standard:

FCC Rules & Regulations, Title 47:2018

Part 15 paragraph(s): 203, 204, 205, 207, 209 and 247

Test specifications	Environmental Phenomena	Tests sequence	Result
Part 15.247 (a) (1)	Pseudo randomly ordered list of hopping frequencies	1	Complies
Part 15.203	Antenna requirements	2	Complies
Part 15.207	Conducted emissions	3	Complies
Part 15.209	Radiated emissions and spurious emissions	3	Complies
Part 15.247	20 dB Bandwidth	5	Complies
Part 15.247	Channel Separation	6	Complies
Part 15.247	Number of Hopping Channel	7	Complies
Part 15.247	Time of occupancy	8	Complies
Part 15.247	Band edge	9	Complies
Part 15.209 and 15.247	Peak Output Power	10	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



LAB N° 0168

Power supply	: 12-24 Vdc
Serial Number.....	: --
Type of equipment	: ☒ Transmitter Unit ☒ Receiver Unit
Type of station.....	: ☒ Fixed station ☐ Portable station ☐ Mobile station
Frequency band.....	: 902 – 928 MHz
Nominal frequencies	: F _L : 915,075 MHz F _M : 921,425 MHz F _H : 927,825 MHz
Pseudo randomly ordered list of hopping frequencies	: See document crp_nl055_operational_description-rev1

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

Date of receipt of test item	: 18.02.19
Testing start date	: 15.04.19
Testing end date	: 20.06.19
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 P190180



4. Operative conditions

EUT exercising : EUT in continuous transmission at maximum power

Auxiliary equipment : Transceiver unit Model J6P

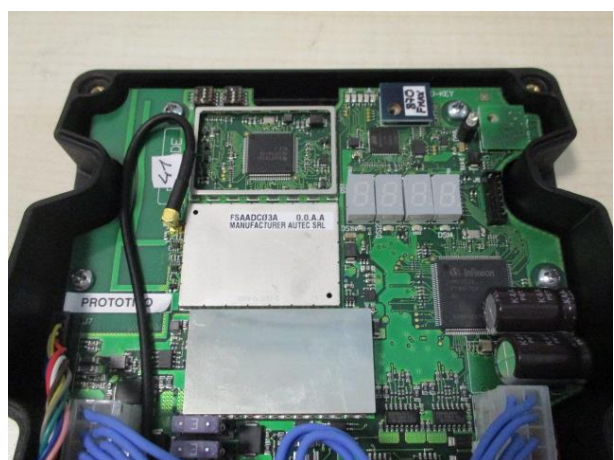


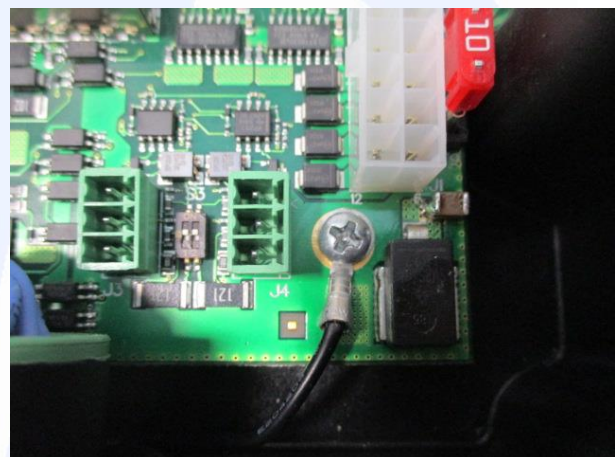


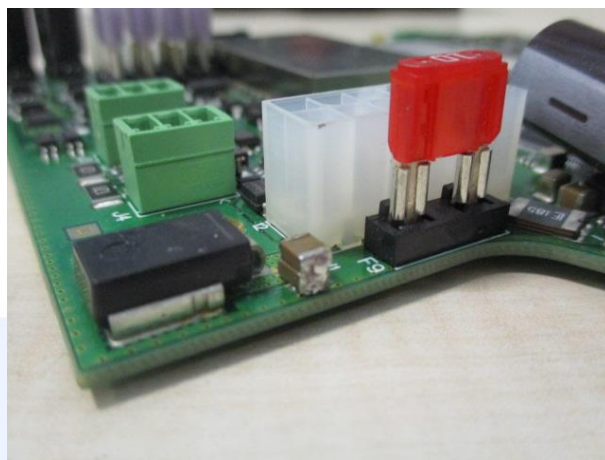
5. Photograph(s) of EUT

5.1 Photograph(s) of EUT







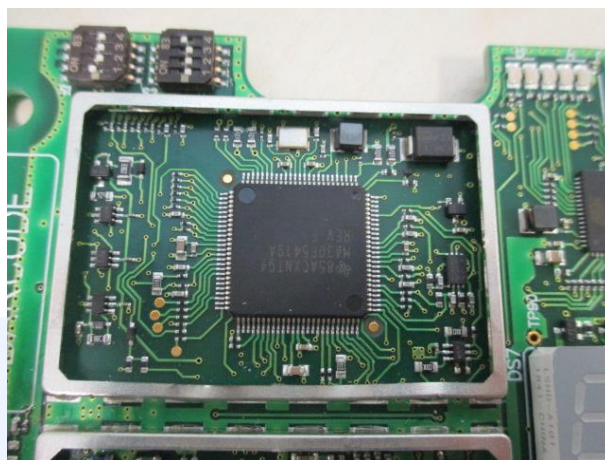




CMC
Centro Misure Compatibilità S.r.l.
Via della Fisica, 20
36016 Thiene (VI)



LAB N° 0168



CMC Centro Misure Compatibilità S.r.l.



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 '19	January '20
CMC S108	EMCO	3115	Horn Antenna	9811-5622	June '16	June '19
CMC S127	Schaffner	HLA6120	Loop Antenna	1191	November '18	November '23
CMC S164	Rohde & Schwarz	ESU26	EMC interference receiver	100052	January '19	January '20
CMC S200	Schwarzbeck	NSLK 8128	V-LISN	8128-273	January '19	January '20
CMC S206	Rohde & Schwarz	ESCI 7	EMC Receiver 9KHz-7GHz	100781	January '19	January '20
CMC S227	Rohde & Schwarz	ESR7	EMI Test Receiver 7GHz	101121	January '19	January '20
CMC S260	CMC	Wfr_N	Shielded Cable	Wfr_ant10-1	November '18	November '19
CMC S261	CMC	Wfr_N	Shielded Cable	Wfr_ant20-1	November '18	November '19
CMC S262	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix32-1	November '18	November '19
CMC S263	CMC	Wfr_N_fix	Shielded Cable	Wfr_fix31-1	November '18	November '19
CMC S264	CMC	Wfr_N	Shielded Cable	Wfr_ext03-1	November '18	November '19
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 '18	November '19



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	< 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
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 KDB 558074 D01 15.247 Meas Guidance v05	-- Guidance for compliance measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices operating under section 15.247 of the FCC rules
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.

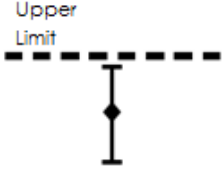
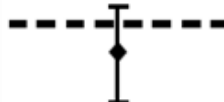
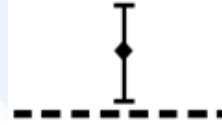


11. Results

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.

Result

Antenna Type	External R.F. power amplifier	Gain	Remarks
Integral antenna	Not Present	2 dBi	--
External antenna	Not Present	2 dBi	--



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

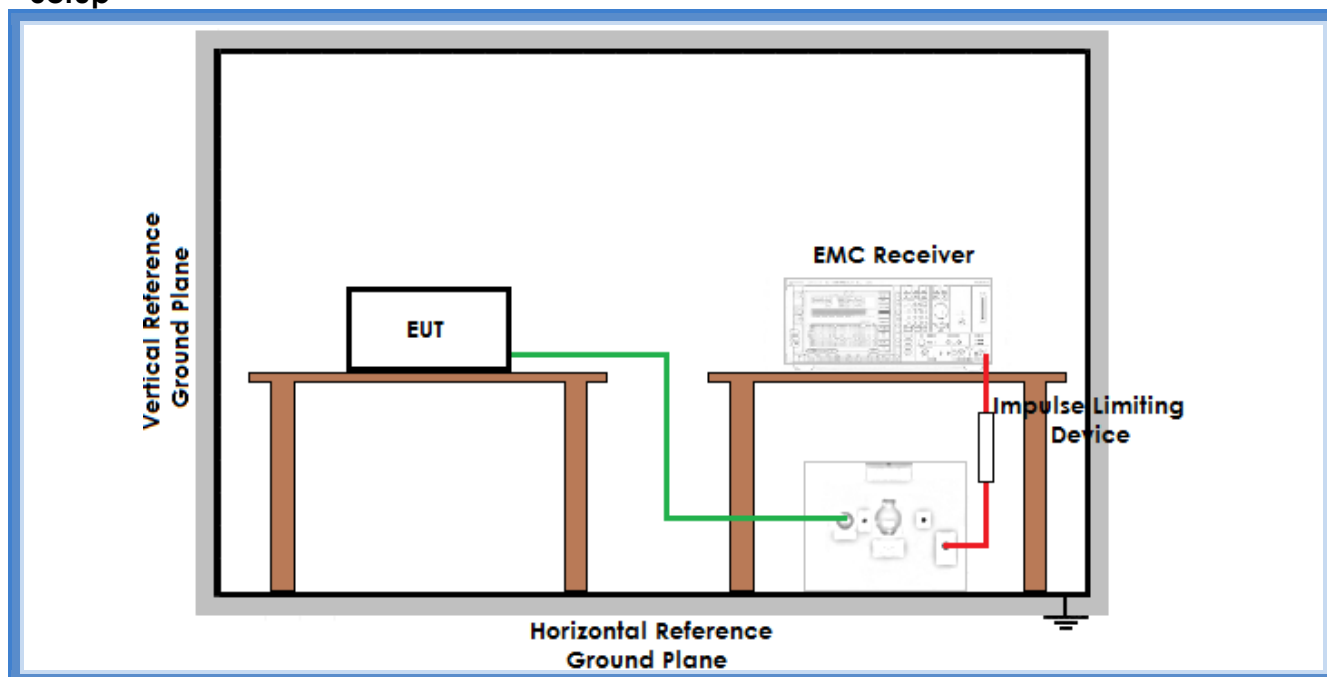
Temperature (°C)	Atmospheric pressure (kPa)	Relative humidity (%)
21	98	46

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

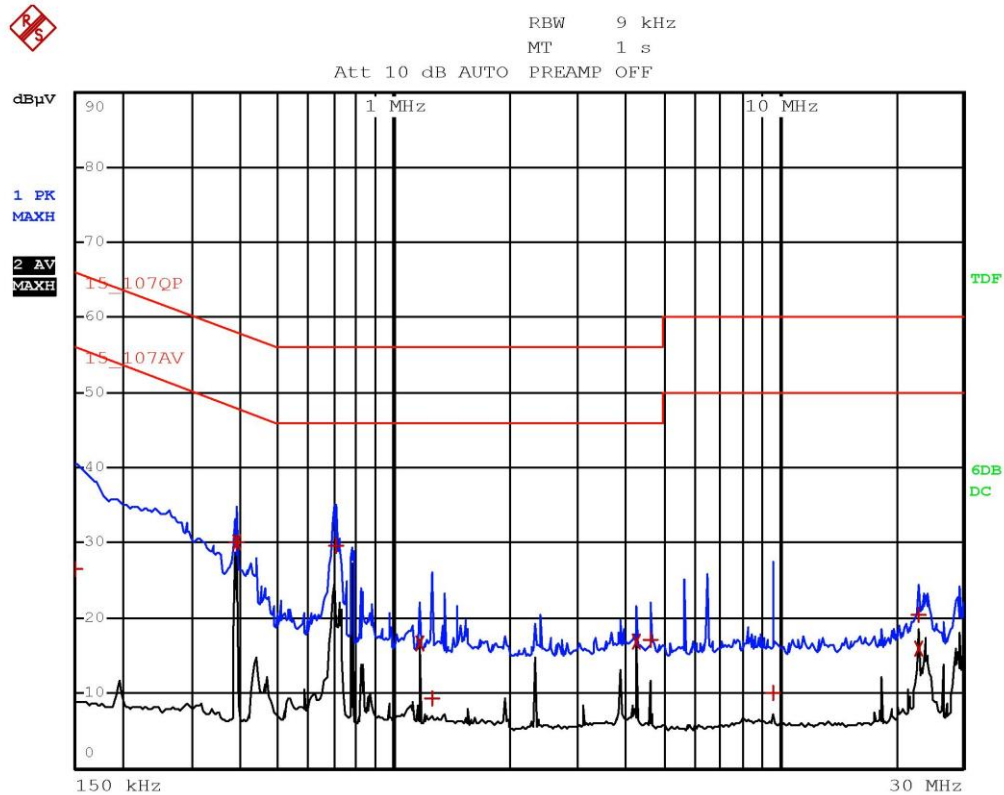
Line	Graphs	Remarks	Result
+24 Vdc	G19037970	--	Complies
-24 Vdc	G19037971	--	Complies
Remarks: --			

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

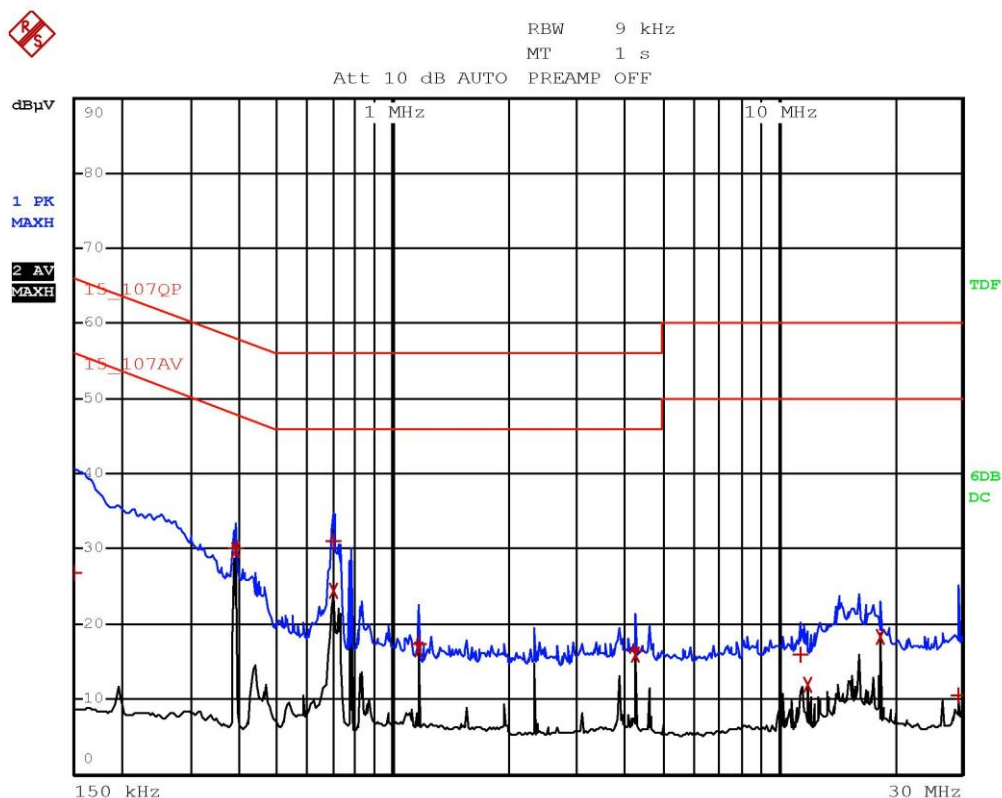


Gandini 19037970-Line (+)-Tx Rx



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_107QP		
Trace2:	15_107AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	150 kHz	26.52	-39.47
2 Average	390 kHz	30.09	-17.97
1 Quasi Peak	390 kHz	30.11	-27.94
1 Quasi Peak	706 kHz	29.60	-26.39
2 Average	1.164 MHz	16.66	-29.33
1 Quasi Peak	1.264 MHz	9.41	-46.58
2 Average	4.276 MHz	16.94	-29.05
1 Quasi Peak	4.664 MHz	17.11	-38.89
1 Quasi Peak	9.688 MHz	10.00	-49.99
1 Quasi Peak	23.128 MHz	20.40	-39.59
2 Average	23.128 MHz	15.95	-34.04

Gandini 19037970-Line (+)-Tx Rx



Gandini 19037971-Line (-)-Tx Rx



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	15_107QP		
Trace2:	15_107AV		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV	DELTA LIMIT dB
1 Quasi Peak	150 kHz	26.70	-39.30
2 Average	390 kHz	29.98	-18.08
1 Quasi Peak	390 kHz	30.17	-27.88
1 Quasi Peak	702 kHz	31.00	-24.99
2 Average	702 kHz	24.44	-21.56
2 Average	1.164 MHz	16.61	-29.38
1 Quasi Peak	1.168 MHz	17.27	-38.72
1 Quasi Peak	4.272 MHz	16.51	-39.48
2 Average	4.276 MHz	16.04	-29.95
1 Quasi Peak	11.464 MHz	15.82	-44.17
2 Average	11.892 MHz	11.83	-38.16
2 Average	18.432 MHz	18.29	-31.70
1 Quasi Peak	29.52 MHz	10.52	-49.47

Gandini 19037971-Line (-)-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 S164, CMC S271, CMC S287
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 $\leq$ 30 MHz
3 m for frequencies $>$ 30 MHz

Environmental conditions

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

Acceptance limits

Frequency range (MHz)	Test distance (m)	Limits [dB(μ V/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	53,9

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



Acceptance limits for emissions in restricted frequency bands

Frequency (MHz)	Test distance (m)	AV limits [dB(μV/m)]	Peak limits [dB(μV/m)]
Above 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

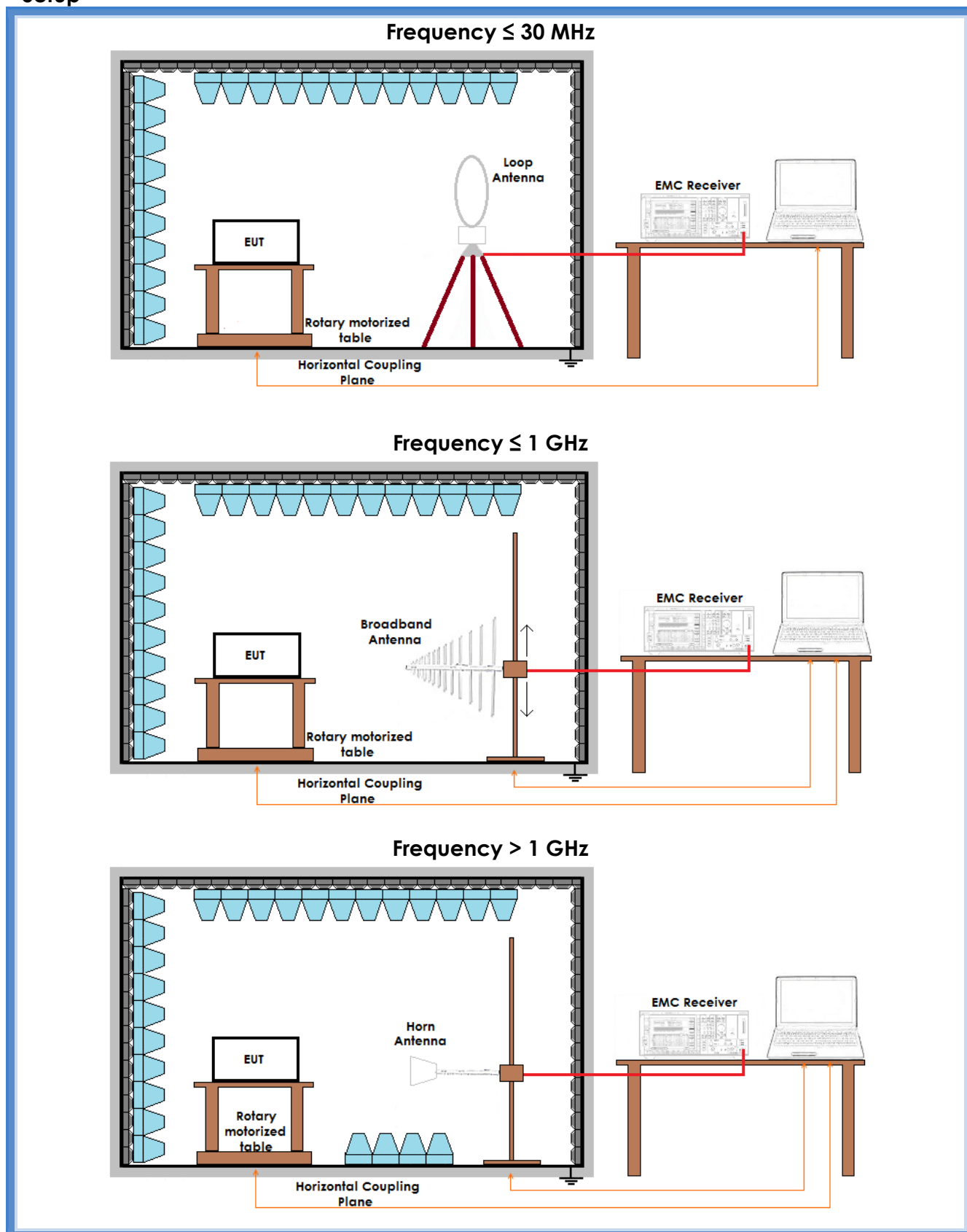
MHz	MHz	MHz	GHz
0,090 – 0,110	16,42 – 16,423	399,9 – 410	4,5 – 5,15
0,495 – 0,505	16,69475 – 16,69525	608 – 614	5,35 – 5,46
2,1735 – 2,1905	16,80425 – 16,80475	960 – 1240	7,25 – 7,75
4,125 – 4,128	25,5 – 25,67	1300 – 1427	8,025 – 8,5
4,17725 – 4,17775	37,5 – 38,25	1435 – 1626,5	9,0 – 9,2
4,20725 – 4,20775	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
8,37625 – 8,38675	156,7 – 156,9	2690 – 2900	22,01 – 23,12
8,41425 – 8,41475	162,0125 – 167,17	3260 – 3267	23,6 – 24,0
12,29 – 12,293	167,72 – 173,2	3332 – 3339	31,2 – 31,8
12,51975 – 12,52025	240 – 285	3345,8 – 3358	36,43 – 36,5
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

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.



Setup





Result

Dedicated antenna

Polarization	Frequency Range (MHz)	Graphs	Remarks	Result
V	30 – 300	G19037901	Highest channel	Complies
H	30 – 300	G19037902	Highest channel	Complies
H	30 – 300	G19037903	Medium channel	Complies
V	30 – 300	G19037904	Medium channel	Complies
V	30 – 300	G19037905	Lowest channel	Complies
H	30 – 300	G19037906	Lowest channel	Complies
V	300 – 1000	G19037913	Highest channel	Complies
H	300 – 1000	G19037914	Highest channel	Complies
H	300 – 1000	G19037915	Medium channel	Complies
V	300 – 1000	G19037916	Medium channel	Complies
V	300 – 1000	G19037917	Lowest channel	Complies
H	300 – 1000	G19037918	Lowest channel	Complies
Loop	0,009 – 30	G19037926	Worst case	Complies
H	3000 – 10000	G19037939	Highest channel	Complies
V	3000 – 10000	G19037940	Highest channel	Complies
V	3000 – 10000	G19037941	Medium channel	Complies
H	3000 – 10000	G19037942	Medium channel	Complies
H	3000 – 10000	G19037943	Lowest channel	Complies
V	3000 – 10000	G19037944	Lowest channel	Complies
V	1000 – 3000	G19037945	Lowest channel	Complies
H	1000 – 3000	G19037946	Lowest channel	Complies
H	1000 – 3000	G19037947	Medium channel	Complies
V	1000 – 3000	G19037948	Medium channel	Complies
V	1000 – 3000	G19037949	Highest channel	Complies
H	1000 – 3000	G19037950	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 caused by the nominal transmitting frequencies



Integrated antenna

Polarization	Frequency Range (MHz)	Graphs	Remarks	Result
H	30 – 300	G19037907	Lowest channel	Complies
V	30 – 300	G19037908	Lowest channel	Complies
V	30 – 300	G19037909	Medium channel	Complies
H	30 – 300	G19037910	Medium channel	Complies
H	30 – 300	G19037911	Highest channel	Complies
V	30 – 300	G19037912	Highest channel	Complies
H	300 – 1000	G19037919	Lowest channel	Complies
V	300 – 1000	G19037920	Lowest channel	Complies
V	300 – 1000	G19037921	Medium channel	Complies
H	300 – 1000	G19037922	Medium channel	Complies
H	300 – 1000	G19037923	Highest channel	Complies
V	300 – 1000	G19037924	Highest channel	Complies
Loop	0,009 – 30	G19037925	Worst case	Complies
V	1000 – 3000	G19037927	Highest channel	Complies
H	1000 – 3000	G19037928	Highest channel	Complies
H	1000 – 3000	G19037929	Medium channel	Complies
V	1000 – 3000	G19037930	Medium channel	Complies
H	1000 – 3000	G19037931	Lowest channel	Complies
V	1000 – 3000	G19037932	Lowest channel	Complies
V	3000 – 10000	G19037933	Lowest channel	Complies
H	3000 – 10000	G19037934	Lowest channel	Complies
H	3000 – 10000	G19037935	Medium channel	Complies
V	3000 – 10000	G19037936	Medium channel	Complies
V	3000 – 10000	G19037937	Highest channel	Complies
H	3000 – 10000	G19037938	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 caused by the nominal transmitting frequencies				

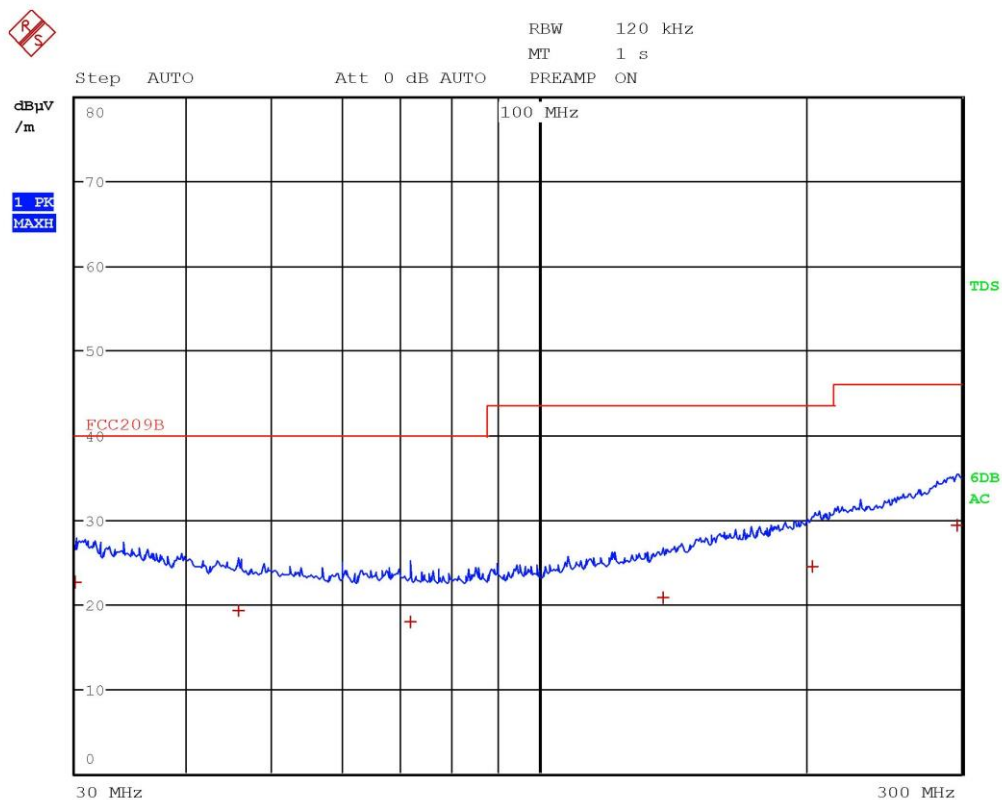
Graphs Legend

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

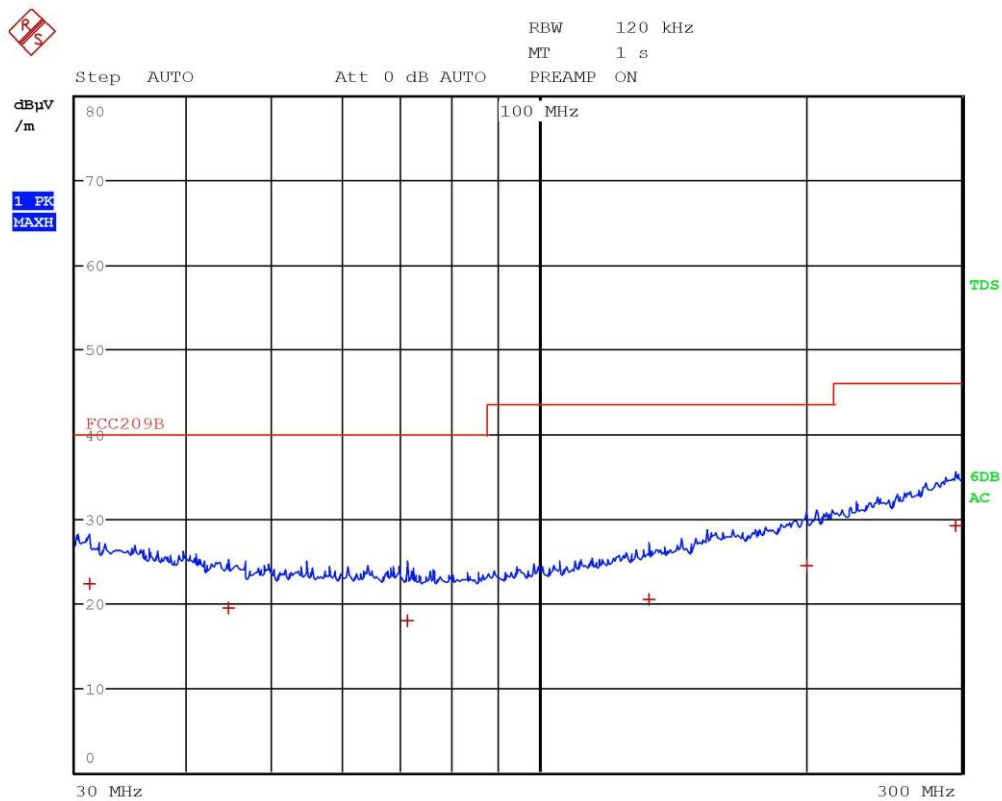


Gandini 19037901



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.04 MHz	22.57	-17.42
1 Quasi Peak	45.76 MHz	19.17	-20.82
1 Quasi Peak	71.76 MHz	17.84	-22.15
1 Quasi Peak	138.04 MHz	20.74	-22.78
1 Quasi Peak	203.76 MHz	24.53	-18.98
1 Quasi Peak	296.12 MHz	29.34	-16.67

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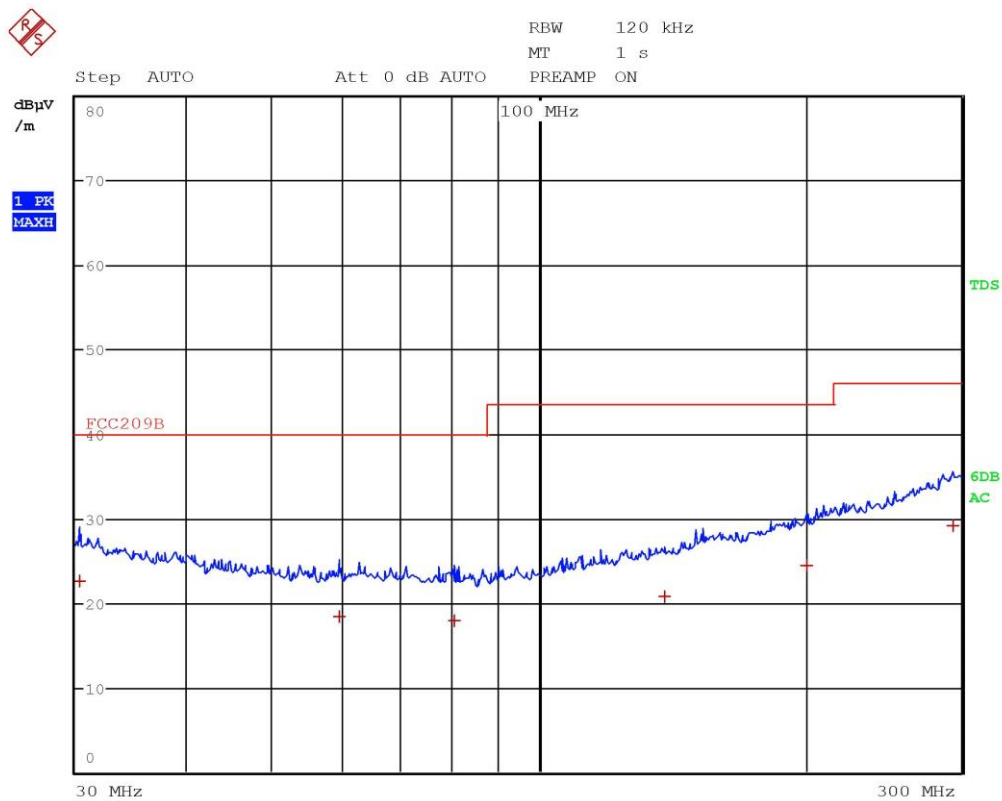


Gandini 19037902



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	31.04 MHz	22.20	-17.79
1 Quasi Peak	44.72 MHz	19.45	-20.54
1 Quasi Peak	71.16 MHz	17.88	-22.11
1 Quasi Peak	133 MHz	20.47	-23.04
1 Quasi Peak	200.28 MHz	24.39	-19.12
1 Quasi Peak	295.08 MHz	29.20	-16.81

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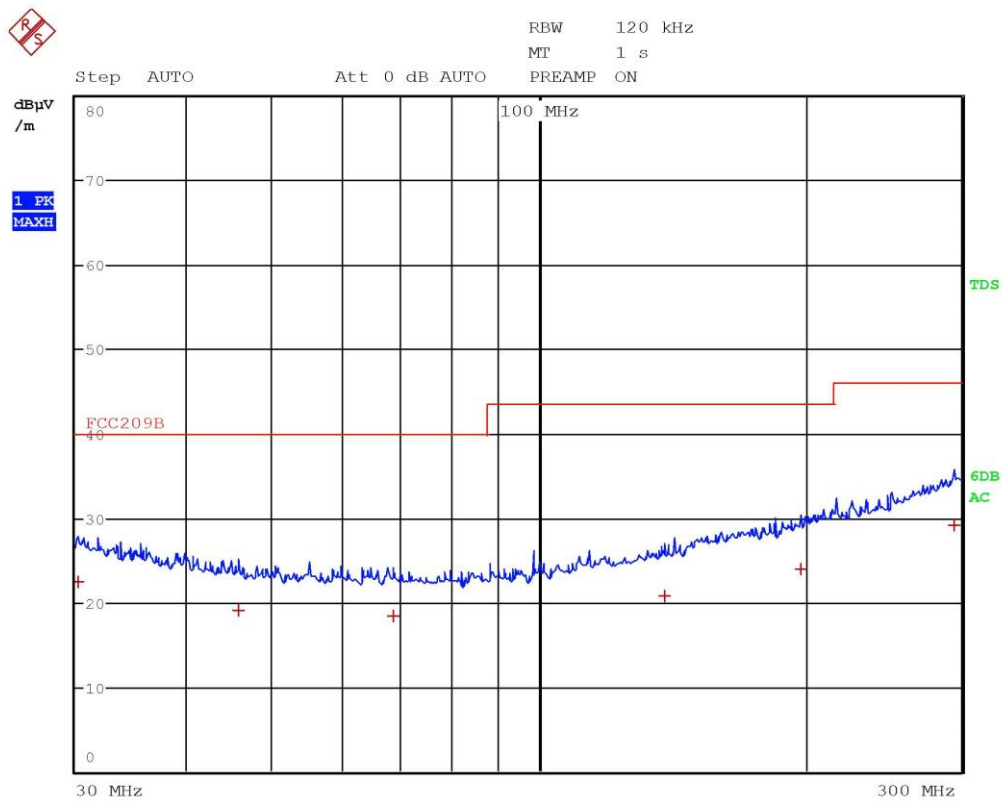


Gandini 19037903



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.24 MHz	22.57	-17.42
1 Quasi Peak	59.48 MHz	18.37	-21.62
1 Quasi Peak	80.4 MHz	17.85	-22.14
1 Quasi Peak	138.92 MHz	20.72	-22.79
1 Quasi Peak	200.32 MHz	24.38	-19.13
1 Quasi Peak	293.88 MHz	29.17	-16.84

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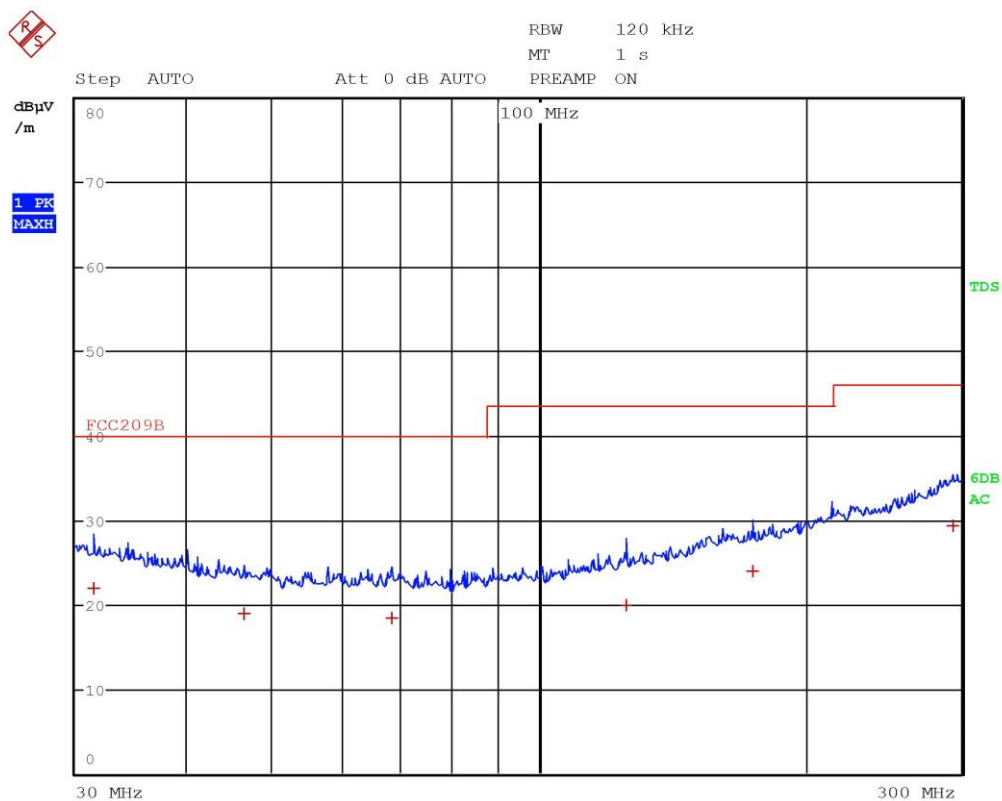


Gandini 19037904



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	30.16 MHz	22.49	-17.50
1 Quasi Peak	45.84 MHz	19.09	-20.91
1 Quasi Peak	68.44 MHz	18.38	-21.62
1 Quasi Peak	138.64 MHz	20.76	-22.75
1 Quasi Peak	197.92 MHz	24.01	-19.50
1 Quasi Peak	294.28 MHz	29.13	-16.88

Gandini 19037904

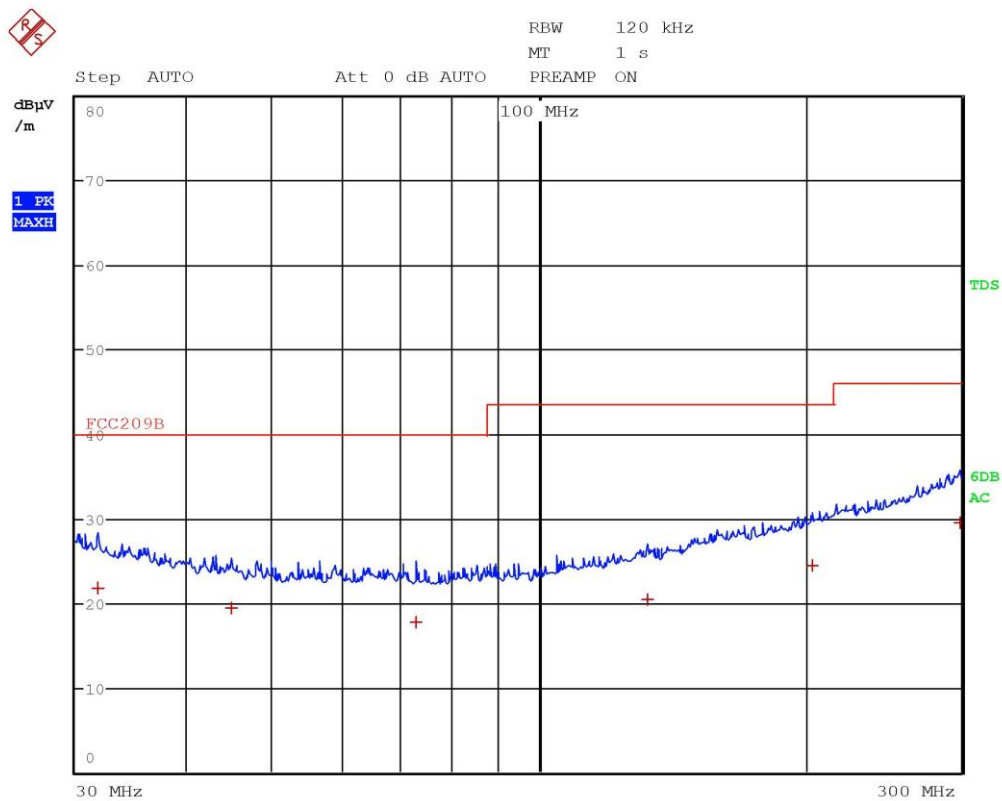


Gandini 19037905



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	31.48 MHz	22.00	-17.99
1 Quasi Peak	46.44 MHz	18.85	-21.14
1 Quasi Peak	68.32 MHz	18.37	-21.62
1 Quasi Peak	125.4 MHz	19.99	-23.52
1 Quasi Peak	174.04 MHz	23.91	-19.60
1 Quasi Peak	293.32 MHz	29.29	-16.72

Gandini 19037905



Gandini 19037906



EDIT PEAK LIST (Final Measurement Results)			
Trace1:	FCC209B		
Trace2:	---		
Trace3:	---		
TRACE	FREQUENCY	LEVEL dBμV/m	DELTA LIMIT dB
1 Quasi Peak	31.8 MHz	21.75	-18.24
1 Quasi Peak	45.04 MHz	19.41	-20.58
1 Quasi Peak	72.64 MHz	17.73	-22.26
1 Quasi Peak	132.56 MHz	20.39	-23.12
1 Quasi Peak	203.64 MHz	24.52	-18.99
1 Quasi Peak	298.72 MHz	29.56	-16.45

Gandini 19037906